Appendix F

Letters from Disposal Facility Owners

Appendix F - Letters From Disposal Facilities Summary Sheet

Profile Number	Generator Signature Date	Facility	Waste Origin
G170001WDI	8/25/2021	US Ecology/Republic	IRM#5A2
	6/17/2022		
	8/05/2022 (Rev)		
C210041MDI	8/22/2022		
	5/10/2023 (Rev)		
CH2502908	11/9/2022	Clean Harbors	Area 2 Drum Nest
N/A (Subcontracted by Elk Env. Services)	9/8/2022	Covanta Environmental Solutions	Underground Storage Tank
N/A (Subcontracted by Elk Env. Services)	12/3/2021	Environmental Recovery Corporation	Contact Water
	9/7/2023		
23938	10/20/2021	Casella	Pre-Characterization Samples
24448	4/29/2022		Decommissioning of Materials Storage Area (MSA) and in-situ Pre-Characterization
	7/20/2022 (Rev)		
24333	9/8/2022		Non-Hazardous Stockpiles
	1/6/2023 (Rev)		
24488	5/20/2022		High-Piled Reuse
	6/3/2022 (Rev 1)		Non-Hazardous Stockpiles
	7/20/2022 (Rev2)		
23953	10/20/2021		Concrete and Debris
24374	4/29/2022		Pre-Characterization Samples
	4/20/2022 (Rev)		
30409	4/14/2023		Regrading Soil from IRM5A2 and Utility Excavations for NAF
	5/15/2023 (Rev.)		
30804	8/18/2023		Addendum 8 Phase 3 and Addendum 8 Phase 3 Amendment #1
30989	10/5/2023		Addendum 8 Phase 4
31079	11/2/2023		Addendum 8 Phase 6 and Phase 7
	3/20/2024 (Rev.)		
23896 (ISMP)	10/11/2021		ISMP
	10/21/2021 (Rev)		

US ecology

Profile ID: 573478

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: UNISYS

2. Site Address: 777 SOUTH MAIN ST

City: ELMIRA **Phone:**

State: NY **Zip:** 14904 **Country:** USA

☐ **P.O. required for payment?** *If yes, include:*

8. Invoicing Company: REMEDIAL CONSTRUCTION SERVICES LP

3. Mailing Address: 3199 PILOT KNOB ROAD

City: EAGAN

State: MN **Zip:** 55121 **Country:** USA

9. Invoicing Address : 9977 W SAM HOUSTON PKWY N STE100

City: HOUSTON

State: TX **Zip:** 77064-9515 **Country:** USA

4. Technical Contact: Larry Endicott

10. Customer Contact: Larry Endicott

5. Phone: (609) 357-8470 **Email:** larry.endicott@reconservices.com

11. Phone: (609) 357-8470 **Email:** larry.endicott@reconservices.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG *(If yes, complete Certification Supplement)* ○ Not Applicable

7. EPA ID #: NYR000231571 **NAICS CODE:** 56291 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: Soil Contaminated with PCBs

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G49 **Form Code:** W301

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ◉ Yes ○ No **Proper Shipping Name:** Polychlorinated biphenyls, solid, mixture

2. Additional Description:

3. RQ: ○ Yes ◉ No **RQ Reason:** **RQ Threshold:** **UN/NA#:** UN3432

Packing Group: III **ERG#:** 171 **Hazard Class:** 9

4. DOT Special Permit? ○ Yes ○ No **Permit #:**

5. 24-Hour Emergency Phone: **6. DOT Inhalation Hazard?** ○ Yes ○ No

7. Container Type: ☑ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☐ Drums ☐ Cylinder **Container size:** DT

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 3000 **Units:** Tons

Frequency: ◉ Year ○ Quarterly ○ Monthly ○ 1 Time ○ Other, **Describe:**

D. PHYSICAL PROPERTIES (See Continuation for D.1)

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Soil		85	90
Moisture		5	10
Debris (rock, wood, plastic, PPE)		5	15

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:** None

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: BROWN **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ○ N/A

6. Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ○ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ○ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☐ 10.1 - 12.4 ☐ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☐ 140 - 199 °F ☑ 200 °F ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ○ <5000 BTU ○ >5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. US Ecology Texas Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ◉ N/A TX State Code:

Pennsylvania Residual Waste: ○ Yes ◉ No PA State Code (s):

2. State Waste Codes:	MI-PCB1	NY-B007								
3. RCRA Waste Codes:	None									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's TRI Section 313 chemicals, OSHA Hazardous Materials, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Acenaphthylene	mg/kg	○	◉		0	1.2	☐	☐
Acenaphthene	mg/kg	○	◉		0	1.2	☐	☐
Acetone	mg/kg	○	◉		0	0.15	☐	☐
Anthracene	mg/kg	○	◉		0	3.2	☐	☐
Benz(a)anthracene	mg/kg	○	◉		0	6.7	☐	☐
Benzo(a)pyrene	mg/kg	○	◉		0	5.8	☐	☐
Benzo(b)fluoranthene	mg/kg	○	◉		0	6.9	☐	☐
Benzo(K)fluoranthene	mg/kg	○	◉		0	2.6	☐	☐
Benzo(g,h,i)perylene	mg/kg	○	◉		0	4.5	☐	☐

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	2. Reactive Sulfides : ppm	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	4. Reactive Cyanides: ppm	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	6. Reactive Other: Describe:	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	8. Polychlorinated Biphenyls (PCB):	◉ Yes ○ No
9. Dioxins and/or Furans:	○ Yes ◉ No	10. Metal Fines/Powder/Paste:	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	12. Temperature Controlled:	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	14. Biodegradable Sorbents:	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	16. Used Oil:	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	18. Tires:	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	20. Beryllium:	○ Yes ◉ No

21. Asbestos: ○ Yes ○ No

22. Ammonia/Ammonia Compounds: ○ Yes ◉ No

23. Hazardous Secondary Material: ○ Yes ◉ No

24. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ◉ No ○ N/A

Profile ID: 573478

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* ◉ <500 ppmw ○ ≥500 ppmw

2. Has the material been treated after the initial point of generation? ◉ Yes ○ No If yes,Describe: Material was treated insitu

3. If RCRA Hazardous:

- ○ Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- ○ Non-wastewater TSS/TOC>WW
- ○ Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ○ Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - ☐ I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - ☐ I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ○ Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ○ Yes ◉ No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

☐ Yes ☑ No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? ○ Yes ◉ No

2. Requested Technology:

3. Thermal Processing: ○ Yes ○ No

4. Other specific restrictions requested:

5. Requested US Ecology Facility:	

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize US Ecology's personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. US Ecology may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize US Ecology's personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by US Ecology. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Print Name:	TERRY ETTER	**Signature:**	
Title:	PROJECT MANAGER		
Date:	8/25/21	**Company:**	UNISYS CORPORATION

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process:

Remediation waste generated for the former Sperry Remington site in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the Elmira site from 1937 to 1972. No Herb Pest UHCs present based on site history and previous analysis. No sources of contamination are known, thus no listed codes apply. Manufacturing Operations included:

- Coal Fired Power Plant
- Foundry
- Oil Water Separators
- Cyanide Heat Treating
- Machining of Parts
- Plating
- Degreasing

No PFAS knowledge in this area.

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Physical Description)

D. PHYSICAL PROPERTIES

1. Physical Description :

Description	Typical (%)	Min (%)	Max (%)
Concrete		0	50

Perfluorooctanoic Acid (PFOA)	mg/kg	○	◉	0	0	0.00029	☐	☐
Perfluorononanoic acid (PFNA)	mg/kg	○	◉	0	0	0.00041	☐	☐
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	○	◉	0	0	0.00046	☐	☐
Perfluorobutanoic Acid (PFBA)	mg/kg	○	◉	0	0	0.0006	☐	☐
Perfluoropentanoic acid (PFPeA)	mg/kg	○	◉	0	0	9.2e-005	☐	☐
Perfluorohexanoic Acid (PFHxA)	mg/kg	○	◉	0	0	7.5e-005	☐	☐
Perfluoroheptanoic acid (PFHpA)	mg/kg	○	◉	0	0	5.3e-005	☐	☐

US ecology

Profile ID: 573478

WASTE/MATERIAL PROFILE FORM
PCB Supplement (From Section F8)

PCB Information

1. What is the concentration of PCB's in the waste? ☐ <10ppm ☐ 10-49ppm ☑ 50-499ppm ☐ ≥500ppm

2. Does the waste contain PCB contamination from a known source with a concentration ≥ 50ppm (TSCA Regulated source)?
(e.g., a known spill or leak of oil ≥50ppm) ◉ Yes ○ No ○ Unknown

3. Is the waste regulated for disposal under 40 CFR Part 761 (TSCA) for PCBs? ◉ Yes ○ No
(If yes, continuation/control sheet per 40 CFR Part 761.207 required with shipment)

4. Has this waste been processed into a non-liquid from? ○ Yes ◉ No
(If yes, what was the concentration of PCB's prior to the processing)

*****If indicated concentration is "<10ppm" or "10-49ppm," and is not from a Regulated PCB/TSCA source, stop here.*****

Waste Containing Small Capacitors

5. Generator is/was a manufacturer of PCB capacitors of PCB equipment? *40 CFR Part 761.60(b)(2)(iv)* ○ Yes ◉ No

6. Is this waste defined as a PCB Article intended for disposal in a TSCA chemical waste landfill? 40 CFR Part 761.3 ○ Yes ○ No

(If yes, has the PCB article been drained and flushed in accordance with 40 CFR Part 761.60 (b) standards?) ○ Yes ○ No

R R L D R R L

Custo er A ou t: 013507 Ju e 17, 2022

ENVIRONMENTAL MANAGER
REMEDIAL CONSTRUCTION SERVICES LP
9977 W SAM HOUSTON PKWY N STE100
HOUSTON, TX 77064-9515

Tha you for sele ti g US E ology ("USE") as your e iro e tal a age e t part er. I the e e t that a aste strea has ha ged, the ge erator ay use this for to a e d a d/or re-appro e the aste profile.

As part of our o goi g effort to e sure safe a d o plia t operatio s, a d help support ge erator o plia e, US E ology, I . ill re uire all existi g profiles to be re ertified usi g our updated aste profile for begi i g Ja uary 1st, 2022. We are e ouragi g you to start tra sitio i g urre t appro als to the e aste profile for as soo as possible so that e a better support you. You a a ess a d sub it the e profile for a d/or easily update your existi g profiles ithi COR, our usto er o li e portal that strea li es the profile a d appro al pro ess. For the US E ology Mi higa , I . fa ility a d la dfill lo ated i Belle ille, MI all e profiles & re ertifi atio s are re uired to be sub itted usi g the e for starti g i ediately.

Please go to .use ology. o /page/ or-logi to register if you ha e ot yet set-up your COR a ou t, or .use ology. o /la di gpage/ aste-profile-for to a ess the e profile for as a fillable PDF. Tha you i ad a e Please o ta t our usto er ser i e tea at (800) 592-5489 or your sales represe tati e for help reati g your COR a ou t, or for profili g assista e.

r r UNISYS **D .** NYR000231571
Soil Co ta i ated ith PCBs
d

r . G170001WDI **r D** 8/25/2022
D r Way e Disposal, I . (MID048090633)

Please sele t o e of the follo i g optio s:

- ☐ Re-appro al ith No Profile Cha ge
- ☐ Re-appro al ith Profile Cha ge
- ☑ Profile Cha ge

Please pro ide a detailed des riptio belo of the ha ges to the aste strea :

Please a e d to i lude terra otta pipe fro a i dustrial se er o site. Pipes ra ge fro 8" to 36" i dia eter a d do ot o tai septi . No listed aste odes apply, all i for atio pro ided a d o file is a urate a d represe tati e of the aste.

Please retur this for ia fax (800) 592-5329 or e ail usto er.ser i e@use ology. o . Questio s Please all (800) 592-5489.

R R L D R R L

This Re-appro al Noti e a o ledges the a eptability of aste aterial(s) i to the oted USE fa ility(s) a d e sures ea h fa ility has the appropriate per it(s) issued by federal a d state regulatory age ies to properly tra sport, treat, a d/or dispose of the aste aterial(s). Upo sig ature a d sub ittal of this for , the aste strea ill be re ie ed by USE. The expiratio ill be exte ded for o e year, u less you are o ta ted other ise.

I ertify that all i for atio (i ludi g atta h e ts) is o plete a d fa tual a d is a a urate represe tatio of the o a d suspe ted ha ards, pertai i g to the aste des ribed herei . I authori e USE to add supple e tal i for atio to the aste appro al file, pro ided I a o ta ted a d gi e erbal per issio . I authori e USE to obtai a sa ple fro a y aste ship e t for purposes of erifi atio a d o fir atio . I agree that, if USE appro es the aste des ribed herei , all su h astes that are tra sported, deli ered, or te dered to USE by Ge erator or o Ge erator's behalf shall be sub e t to, a d Ge erator shall be bou d by, the Sta dard Ter s a d Co ditio s asso iated ith the origi al Waste Profile For . (The Sta dard Ter s a d Co ditio s are i orporated i to the Waste Profile For as Page 4.)

Ge erator Sig ature: Terry Etter Pri ted Na e: Terry Etter

Co pa y: Unisys Corporation Date: 6/17/22

Please retur this for ia fax (800) 592-5329 or e ail usto er.ser i e@use ology. o . Questio s Please all (800) 592-5489.

Profile ID: 573478

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: UNISYS

2. Site Address: 777 SOUTH MAIN ST

City: ELMIRA **Phone:**

State: NY **Zip:** 14904 **Country:** USA

☐ **P.O. required for payment?** *If yes, include:*

8. Invoicing Company: REMEDIAL CONSTRUCTION SERVICES LP

3. Mailing Address: 3199 PILOT KNOB ROAD

City: EAGAN

State: MN **Zip:** 55121 **Country:** USA

9. Invoicing Address : 9977 W SAM HOUSTON PKWY N STE100

City: HOUSTON

State: TX **Zip:** 77064-9515 **Country:** USA

4. Technical Contact: Larry Endicott

10. Customer Contact: Larry Endicott

5. Phone: (609) 357-8470 **Email:** larry.endicott@reconservices.com

11. Phone: (609) 357-8470 **Email:** larry.endicott@reconservices.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG *(If yes, complete Certification Supplement)* ○ Not Applicable

7. EPA ID #: NYR000231571 **NAICS CODE:** 56291 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: Soil Contaminated with PCBs

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G49 **Form Code:** W301

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ◉ Yes ○ No **Proper Shipping Name:** Polychlorinated biphenyls, solid, mixture

2. Additional Description:

3. RQ: ◉ Yes ○ No **RQ Reason:** PCB **RQ Threshold:** **UN/NA#:** UN3432

Packing Group: III **ERG#:** 171 **Hazard Class:** 9

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☑ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☐ Drums ☐ Cylinder **Container size:** DT

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 3000 **Units:** Tons

Frequency: ◉ Year ○ Quarterly ○ Monthly ○ 1 Time ○ Other, **Describe:**

D. PHYSICAL PROPERTIES (See Continuation for D.1)

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Soil	85	85	90
Moisture	5	5	10
Debris (rock, wood, plastic, PPE, metal)	5	5	15

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:** None

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: BROWN **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ◉ N/A

6. Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ◉ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☐ 10.1 - 12.4 ☐ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☐ 140 - 199 °F ☑ >=200 °F ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ○ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

Profile ID: 573478

E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. US Ecology Texas Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	MI-PCB1	NY-B007								
3. RCRA Waste Codes:	None									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's TRI Section 313 chemicals, OSHA Hazardous Materials, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Acenaphthylene	mg/kg	○	◉		0	1.4	☐	☐
Acenaphthene	mg/kg	○	◉		0	1.2	☐	☐
Acetone	mg/kg	○	◉		0	0.15	☐	☐
Anthracene	mg/kg	○	◉		0	3.2	☐	☐
Benz(a)anthracene	mg/kg	○	◉		0	6.7	☐	☐
Benzene	mg/l	◉	○		0	0.0026	☐	☐
Benzo(a)pyrene	mg/kg	○	◉		0	5.8	☐	☐
Benzo(b)fluoranthene	mg/kg	○	◉		0	6.9	☐	☐
Benzo(K)fluoranthene	mg/kg	○	◉		0	2.6	☐	☐

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:** **Describe:**	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	◉ Yes ○ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No

21. Asbestos: ○ Yes ◉ **No**

22. Ammonia/Ammonia Compounds: ○ Yes ◉ No

23. Hazardous Secondary Material: ○ Yes ◉ No

24. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ◉ No ○ N/A

Profile ID: 573478

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* ◉ <500 ppmw ○ ≥500 ppmw

2. Has the material been treated after the initial point of generation? ◉ Yes ○ No If yes,Describe: Material was treated insitu

3. If RCRA Hazardous:

- ○ Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- ○ Non-wastewater TSS/TOC>WW
- ○ Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ○ Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - ☐ I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - ☐ I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ○ Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ○ Yes ◉ No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

☐ Yes ☑ No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? ◉ Yes ○ No

2. Requested Technology:

3. Thermal Processing: ○ Yes ◉ No

4. Other specific restrictions requested:

5. Requested US Ecology Facility:	US Ecology Michigan – Landfill

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize US Ecology's personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. US Ecology may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize US Ecology's personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by US Ecology. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Print Name:	Terry Etter	**Signature:**	Terry Etter
Title:	Project Manager		
Date:	8/5/22	**Company:**	Unisys Corporation

Profile ID: 573478

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process:

Remediation waste generated for the former Sperry Remington site in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the Elmira site from 1937 to 1972. No Herb Pest UHCs present based on site history and previous analysis. No sources of contamination are known, thus no listed codes apply. Manufacturing Operations included:

- Coal Fired Power Plant
- Foundry
- Oil Water Separators
- Cyanide Heat Treating
- Machining of Parts
- Plating
- Degreasing

No PFAS knowledge in this area.

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Physical Description)

D. PHYSICAL PROPERTIES

1. Physical Description :

Description	Typical (%)	Min (%)	Max (%)
Concrete		0	50
Portland Cement	7	0	10
Pipes <3ft		0	100
White Viscous Material (No free liq)		0	10

WASTE MATERIAL PROFILE FORM - CONTINUATION (Chemical)

E. CHARACTERIZATION & CHEMICAL COMPOSITION

4. Chemical Composition:

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Benzo(g,h,i)perylene	mg/kg	○	◉	0	0	4.5	☐	☐
Bis(2-ethylhexyl)phthalate	mg/kg	○	◉	0	0	6.5	☐	☐
Chrysene	mg/kg	○	◉	0	0	6.4	☐	☐
o-cresol	mg/kg	○	◉	0	0	26	☐	☐
Dibenz(a,h)anthracene	mg/kg	○	◉	0	0	0.93	☐	☐
Dieldrin	mg/kg	○	◉	0	0	0.023	☐	☐
Endosulfan I	mg/kg	○	◉	0	0	0.43	☐	☐
Endrin	mg/kg	○	◉	0	0	0.0041	☐	☐
Endrine aldehyde	mg/kg	○	◉	0	0	0.089	☐	☐
Fluoranthene	mg/kg	○	◉	0	0	15	☐	☐
Fluorene	mg/kg	○	◉	0	0	1.3	☐	☐
Hexachlorobutadiene	mg/kg	○	◉	0.14	0	0.14	☐	☐
Indeno(1.2.3-c,d)pyrene	mg/kg	○	◉	0	0	3.9	☐	☐
Methoxychlor	mg/kg	○	◉	0	0	0.015	☐	☐
Methyl ethyl Ketone	mg/l	◉	○	0	0	0.032	☐	☐
Naphthalene	mg/kg	○	◉	0	0	4.6	☐	☐
Phenanthrene	mg/kg	○	◉	0	0	12	☐	☐
Phenol	mg/kg	○	◉	0	0	33	☐	☐
Pyrene	mg/kg	○	◉	0	0	11	☐	☐
1,1,2,2-Tetrachloroethane	mg/kg	○	◉	0	0	0.93	☐	☐
Tetrachloroethylene	mg/kg	○	◉	0	0	3.1	☐	☐
Toluene	mg/kg	○	◉	0	0	0.0017	☐	☐
Trichloroethylene	mg/kg	○	◉	0	0	52	☐	☐
Xylenes	mg/kg	○	◉	0	0	5.5	☐	☐
Antimony	mg/kg	○	◉	0	0	5.6	☐	☐
Arsenic	mg/kg	○	◉	0	5.8	37	☐	☐
Barium	mg/kg	○	◉	0	17	800	☐	☐
Beryllium	mg/kg	○	◉	0	0	1.2	☐	☐
Cadmium	mg/kg	○	◉	0	0	2	☐	☐
Chromium	mg/kg	○	◉	0	7.6	39	☐	☐
Cyanides (Total)	mg/kg	○	◉	0	0	52	☐	☐
Lead	mg/kg	○	◉	0	7	2200	☐	☐
Mercury (all others)	mg/kg	○	◉	0	0	0.39	☐	☐
Nickel	mg/kg	○	◉	0	12	270	☐	☐
Selenium	mg/kg	○	◉	0	0	4.9	☐	☐
Thallium	mg/kg	○	◉	0	0	0.35	☐	☐
Vanadium	mg/kg	○	◉	0	8.7	30	☐	☐
Zinc**	mg/kg	○	◉	0	41	240	☐	☐
Copper	mg/kg	○	◉	0	0	470	☐	☐
Dibenzofuran	mg/kg	○	◉	0	0	0.022	☐	☐
2-Methylnaphthalene	mg/kg	○	◉	0	0	0.88	☐	☐
Iron	mg/kg	○	◉	0	14000	26000	☐	☐

Manganese	mg/kg	○	◉	0	280	570	☐	☐
magnesium	mg/kg	○	◉	0	2800	19000	☐	☐
potassium	mg/kg	○	◉	0	630	850	☐	☐
cobalt	mg/kg	○	◉	0	6.5	7.8	☐	☐
creosol (total)	mg/kg	○	◉	0	0	32.5	☐	☐
DDT	mg/kg	○	◉	0	0	2.1	☐	☐
Lindane	mg/kg	○	◉	0	0	0.0024	☐	☐
Biphenyl	mg/kg	○	◉	0.35	0.35	0.51	☐	☐
Polychlorinated biphenyls	mg/kg	○	◉	0	0	31000	☐	☐
Chlordane (Technical Mixture and Metabol...	mg/kg	○	◉	0	0	3.3	☐	☐
2-Methylphenol	mg/l	◉	○	0	0	0.11	☐	☐
m-Methylphenol	mg/l	◉	○	0	0	6.6	☐	☐
Methyl Cyclohexane	mg/kg	○	◉	0	0	1.8	☐	☐
Aluminum	mg/kg	○	◉	0	4300	86000	☐	☐
Perfluorooctane Sulfonate (PFOS)	mg/kg	○	◉	0	0	0.00092	☐	☐
Perfluorooctanoic Acid (PFOA)	mg/kg	○	◉	0	0	0.00029	☐	☐
Perfluorononanoic acid (PFNA)	mg/kg	○	◉	0	0	0.00041	☐	☐
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	○	◉	0	0	0.00046	☐	☐
Perfluorobutanoic Acid (PFBA)	mg/kg	○	◉	0	0	0.0006	☐	☐
Perfluoropentanoic acid (PFPeA)	mg/kg	○	◉	0	0	9.2e-005	☐	☐
Perfluorohexanoic Acid (PFHxA)	mg/kg	○	◉	0	0	7.5e-005	☐	☐
Perfluoroheptanoic acid (PFHpA)	mg/kg	○	◉	0	0	5.3e-005	☐	☐

Profile ID: 573478

US ecology

Profile ID: 573478

WASTE/MATERIAL PROFILE FORM
PCB Supplement (From Section F8)

PCB Information

1. What is the concentration of PCB's in the waste? ☐ <10ppm ☐ 10-49ppm ☐ 50-499ppm ☑ ≥500ppm

2. Does the waste contain PCB contamination from a known source with a concentration ≥ 50ppm (TSCA Regulated source)?

(e.g., a known spill or leak of oil ≥50ppm) ◉ Yes ○ No ○ Unknown

3. Is the waste regulated for disposal under 40 CFR Part 761 (TSCA) for PCBs? ◉ Yes ○ No
(If yes, continuation/control sheet per 40 CFR Part 761.207 required with shipment)

4. Has this waste been processed into a non-liquid form? ○ Yes ◉ No

(If yes, what was the concentration of PCB's prior to the processing)

*****If indicated concentration is "<10ppm" or "10-49ppm," and is not from a Regulated PCB/TSCA source, stop here.*****

Waste Containing Small Capacitors

5. Generator is/was a manufacturer of PCB capacitors of PCB equipment? *40 CFR Part 761.60(b)(2)(iv)* ○ Yes ◉ No

6. Is this waste defined as a PCB Article intended for disposal in a TSCA chemical waste landfill? 40 CFR Part 761.3 ○ Yes ◉ No

(If yes, has the PCB article been drained and flushed in accordance with 40 CFR Part 761.60 (b) standards?) ○ Yes ○ No

From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Wednesday, May 18, 2022 8:22 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Mark Baron <Mark.Baron@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: Incoming Stockpile Approval

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

Good morning,

Yes, this material is acceptable to ship under approval G170001WDI. I have added the latest analysis to the file and you are all set to begin shipping.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Wednesday, May 18, 2022 8:11 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>; Mark Baron <Mark.Baron@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: Incoming Stockpile Approval

This email came from an external source, please take caution when interacting with it.

Good Morning Courtney,

Following up on a voicemail that I left late Monday afternoon. We would like to request the approval of approximately 1,500 to 2,000 tons of soil and concrete, as reflected on the attached analytical report labeled as NH-77 (NH-76 not included in request). During excavation very large fragments of concrete were uncovered with various pipe fragments (steel) surrounding by darker black soils. The soils and pipes were removed and placed within the TSCA bin where a waste characterization sample was collected and attached as NH-77. The percent soil to concrete is approximately 60% soil to 40% concrete.

As the waste characterization results do not necessarily reflect TSCA impacted material we did have one positive soil screening kit sample for TSCA when the larger concrete fragments/pipes were uncovered so

the material was segregated and placed within our TSCA accumulation bin. We would like the 1,500-2,000 ton request to be included as profile G170001WDI.

If accepted, I believe we would like to begin shipping the material this Sunday, May 22nd. Feel free to give me a call if you have any additional questions or need additional information.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Wednesday, May 11, 2022 12:29 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Mark Baron <Mark.Baron@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Brooke Bostwick <Brooke.Bostwick@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Thank you, this one is all set. This material can ship under approval number G170001WDI.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Wednesday, May 11, 2022 12:16 PM
To: Courtney Housholder <Courtney.Housholder@usecology.com>; Mark Baron <Mark.Baron@usecology.com>; Molly Urbanek <Molly.Urbanek@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Brooke Bostwick <Brooke.Bostwick@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Hi Courtney,

Apologies for my delayed response. Yes I can confirm that no listed waste codes apply and PCBs are the only COPC.

Thanks,

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Monday, May 9, 2022 6:58 PM
To: Mark Baron <Mark.Baron@usecology.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Molly Urbanek <Molly.Urbanek@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Brooke Bostwick <Brooke.Bostwick@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Hello,

I reviewed the analysis and it looks good to include for approval G170001WDI. I just need you to confirm that no listed waste codes apply to this new material and PCB's are the only constituent of concern.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Mark Baron <Mark.Baron@usecology.com>
Sent: Friday, May 6, 2022 7:49 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Courtney Housholder <Courtney.Housholder@usecology.com>; Molly Urbanek <Molly.Urbanek@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler

<AKrasnopoler@Geosyntec.com>; Brooke Bostwick <Brooke.Bostwick@usecology.com>
Subject: Re: Incoming Stockpile Approval

Hello

Courtney is back next week and will review

Please note I have a new cellular phone number; 716-425-7153

If you have any questions or comment please feel free to contact me at 716-425-7153 or by email at mark.baron@usecology.com.

Mark Baron
AE NE Reg(NY,NJ) Terr 06

mark.baron@usecology.com
c: 716.425.7153| o: 734-521-8000 | f: 734-521-8135

17440 College Parkway Suite 300 Livonia, MI 48152

Emergency Response: 800.839.3975
Customer Service: 800-592-5489

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Friday, May 6, 2022 7:08:14 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>; Molly Urbanek <Molly.Urbanek@usecology.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Brooke Bostwick <Brooke.Bostwick@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Good Morning,

I received multiple automatic responses about individuals being out of the office so I have included the personnel that were listed to contact as well as others that have been included in the past. Please see the information below regarding the attached analytical report requested to be added to profile

G170001wdi. If anyone would need additional information do not hesitate to contact my cell phone at 920-676-4194.

Additionally, I have mainly been working with Addie on the Elmira, NY Remediation project for over a year regarding approvals. Could anyone on this email chain please provide me a list of individuals I should include going forward regarding additional approvals? I'm not sure who specifically to include at the moment.

Thank you!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Miranda Stelmach
Sent: Thursday, May 5, 2022 6:05 PM
To: Courtney.Housholder@usecology.com
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: Incoming Stockpile Approval

Good Afternoon Courtney,

During breaking of large concrete pillars into smaller fragments to be able to ship for disposal, a section of concrete broke open to reveal wood and jet-black soils. We collected a waste characterization sample of the contents which are attached. PCBs were reported at 31,000 mg/kg. As this material has impacted surrounding concrete fragments we would like to ship the soil, wood pieces, and surrounding concrete under profile G for disposal to US Ecology. Amount requested is approximately 500 tons.

I would be happy to provide you with any additional information if needed.
Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Addie Burden <Addie.Burden@usecology.com>
Sent: Monday, March 7, 2022 3:11 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Incoming Stockpile Approval

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G170001wdi updated for 500 tons based on lab report J134005

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Service Drive Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Wednesday, March 2, 2022 9:48 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Incoming Stockpile Approval

This email came from an external source, please take caution when interacting with it.

Good Morning Addie,

Please see the attached lab report for additional segregated soil stockpiles that were removed around the surrounding drum area. These soils were further segregated to confirm there is not an additional mixed RCRCA/TSCA waste. TCLP results passed and confirmed only TSCA impacted soils. We would like to request an additional 500 tons to profile G.

Thanks!
Miranda

From: Addie Burden <Addie.Burden@usecology.com>
Sent: Thursday, February 24, 2022 12:15 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Approved for G170001wdi.
Thank you

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Service Drive Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Thursday, February 24, 2022 12:06 PM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Good Afternoon Addie,

Attached is the final lab report for the soils that are segregated within the RCRA bin that we would like to move into the TSCA bin as soon as possible. TCLP results passed for SVOCs, metals, VOCs, and ignitability. Results do confirm only TSCA. We would like to request the approval for these soils (200 tons) be accepted under the existing G profile before transporting into the TSCA bin.

Thanks!

Miranda

From: Addie Burden <Addie.Burden@usecology.com>
Sent: Tuesday, February 22, 2022 8:08 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Incoming Stockpile Approval

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Because of the historic metals contamination onsite, we should have those metals results before we confirm acceptance.

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Service Drive Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Tuesday, February 22, 2022 9:06 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: Incoming Stockpile Approval

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Good Morning Addie,

Following up on our discussion last week. The lab is having some major delays, as always. For the pile we discussed that is sitting in the RCRA bin pending analysis to confirm it is not mixed TSCA/RCRA waste- it

appears PCBs, VOCs, and ignitability are in the system. The holdup seems to be with TCLP SVOCs and metals. Based on the previous boatload of data we have presented in the past, primary concerns as associated with VOCs, PCBs, and ignitability. If I were to ask the lab to break up the report in two sections (to provide the final report for the COPCs for TCLP VOCs, PCBs, and Ignitability) would that be sufficient for an approval to the G profile for TSCA? Data indicates it has passed and only has high PCBs. Previous data did not indicate any concerns or failures for TCLP SVOCS and metals. Let me know!

Thanks,

Miranda Stelmach
Senior Staff Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Addie Burden <Addie.Burden@usecology.com>
Sent: Friday, February 4, 2022 2:43 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Contaminated Soil Questions

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So we have about 3000 tons of new material approved for the G approval as of today. (January and Feb additions.)

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Addie Burden
Sent: Friday, February 4, 2022 10:57 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Contaminated Soil Questions

Approved under G170001WDI.
Thank you,
Addie

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Friday, February 4, 2022 10:15 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Contaminated Soil Questions

This email came from an external source, please take caution when interacting with it.

Hi Addie,

It is the chemical spreadsheet that is tied to the final analytical report. With our past meeting, I figured it would be easier to send and highlight the rows than the 50 page analytical report. I can send the analytical report if needed to confirm. The lab is having technical errors with their online system so I have to comb through all 100s of reports in our files to find the right one.

Thanks,
Miranda

From: Addie Burden <Addie.Burden@usecology.com>
Sent: Thursday, February 3, 2022 3:15 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Contaminated Soil Questions

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

Can you clarify what the spreadsheet represents?

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Thursday, February 3, 2022 10:37 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Contaminated Soil Questions

This email came from an external source, please take caution when interacting with it.

Good Morning Addie,

I've included a few attachments for your review. The attached "Soil Screening Area" figure is where we have delineated an unexpected TSCA sample that was previously identified as reuse. We are expecting that this area will be excavated as TSCA material based on analytical, soil screening, and field observations (odor, PID, visual) from 10-16' bgs. This area would equate to an increase of approximately 2000 tons. I have attached the analytical report from the sample ID listed as A2N-BOTA and A2N-BOTB (pages 55 through 58-please disregard all other listed samples). TCLP was not ran as VOCs were non-detect and metals were well below RCRA. These results are consistent with past analytical reports stating that the interior drum contents (that failed for RCRA/TSCA) have not impacted additional areas outside of the polygon depicted on the figure. Only TSCA impacted soil remains and is widening.

Additionally, the overlying soils from the A2N-BOT TSCA point were excavated as reuse. There are two reuse piles (400 tons) where analytical results confirmed they are TSCA. I have attached the analytical excel document for the stockpile with the highest PCB concentration and highlighted the rows. The reuse (now TSCA) stockpiles are consistent with the A2N-BOT results, where VOCs are non-detect and metals are well below RCRA.

We would like the increase the existing G profile for 2,400 additional tons. I will notify you of increased tonnage if the outlined area widens as we continue to delineate and excavate deeper.

Thanks,

Miranda Stelmach
Senior Staff Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

Geosyntec consultants

engineers | scientists | innovators

From: Addie Burden <Addie.Burden@usecology.com>
Sent: Monday, February 14, 2022 8:44 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Follow Up on Drum Removal TSCA Impacts

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

Approved for 4000 tons under G170001WDI.
Thank you,
Addie

Addie Burden
Coordinator, Approvals 3

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. I-94 Service Drive Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Friday, February 11, 2022 10:28 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: RE: Follow Up on Drum Removal TSCA Impacts

This email came from an external source, please take caution when interacting with it.

Good Morning Addie,

Attached are the TCLP VOCs that were re-collected as a composite for A2D9 and A2D10 that had the highest reporting totals concentrations for TCE. Also included is percent moisture, percent solids, ignitability, and pH.

From all results I provided analytical data indicates that the surrounding soils are only impacted by TSCA and are not associated with the mixed waste soils (interior drum contents). Please let me know if

everything I have provided is acceptable to accept the surrounding soils as TSCA under profile G as indicated below for increased tonnage. We are starting to become limited on what remaining material we can excavate as this area is in the center of our excavation. An approval as soon as you can would be greatly appreciated.

Thanks!
Miranda

From: Miranda Stelmach
Sent: Thursday, February 10, 2022 9:53 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Donna Sommer <Donna.Sommer@usecology.com>
Subject: Follow Up on Drum Removal TSCA Impacts

Good Morning Addie,

Following up from our previous discussion regarding additional analysis required for the drum area. Sending this in anticipation to receive the additional TCLP VOC composite report today and allow you to review all the provided information beforehand for an expedited tonnage approval to profile G. I believe you have some of these lab reports but including just in case.

To summarize:

- Lab report J132314-1: Lab report for total analysis of PCBs, Metals, SVOCs, and VOCs. These are sidewalls from the approximate 25'x30'x8' delineated drum impacted area. It is estimated that 8-16' within this area will be considered the mixed waste (RCRA/TSCA) that will need to be shipped to Texas. Approximate remaining volume- 300 tons.
- Lab report J132314-2: TCLP metals were requested on the confirmation sidewalls that displayed the highest metal concentrations. TCLP indicates passing results for metals.
- Lab report J12314-3: TCLP VOCs were requested on the confirmation samples with the highest VOC concentrations (TCE); however, the lab indicated that the jars were only half full from the TCLP metal analysis thus potentially making the results invalid. VOCs were reported as ND.
- Per our conversation, the lab provided an excel document with dry and wet weight comparisons for the samples that would be over 12 mg/kg for TCE (A2D9 and A2D10). Geosyntec then collected a composite sample for TCLP VOCs. The remediation contractor excavated (shaved) the sidewalls covered with ice and snow to collect an accurate VOC TCLP composite for A2D9 and A2D10.
- The lab communicated that TCLP results will be provided today. Prelim indicates that TCLP VOCs were again non-detect.

I have provided an updated figure (combined drum removal excavation) which I used to estimate my increased tonnage request for TSCA. Essentially, what we had previously requested for TSCA was widened to encompass the unexpected areas. Original TSCA tonnage expected for Area 2 was 3,000 tons. Total added from the surrounding drum area soils would be 900 tons. Depending on where we are at with TSCA tonnage for profile G we would need a re-approval for 3,000 tons plus the added 900 tons (3,900 total) as I do not believe we have shipped the original approved TSCA areas. This tonnage increase would be issued once I send the TCLP results later today. I will reiterate that we will use all available tools (odor, observed soil discoloration, PID, and soil screening kits) while excavating to verify that the 25X30X8' drum polygon does not widen as we go deeper. We will collect additional

confirmation/TCLP samples if any widening appears to occur or other areas are believed to have been impacted by the mixed RCRA/TSCA waste.

Feel free to give me a call if you have any questions.

Thanks!

Miranda Stelmach
Senior Staff Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Friday, June 17, 2022 1:23 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

Thank you, this one is all set.

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Friday, June 17, 2022 11:35 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

This email came from an external source, please take caution when interacting with it.

Hi Courtney,

Attached is the signed amendment by the client. Please let me know if this is sufficient to add this material to the approval. We will then set up shipment for this Monday.

Thanks,

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Friday, June 17, 2022 10:23 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hello,

Sorry for the delay. I will need an amendment signed in order to add this pipe material to the approval (attached).

For sizing, the pipes will need to be less than 3ft. If that is not possible, we can use roll off hand off, but there is an additional handling fee and scheduling stipulations. The pipes must also be open ended and empty.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Friday, June 17, 2022 5:48 AM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Courtney Housholder <Courtney.Housholder@usecology.com>
Subject: RE: IRM5A2 Profile G Request for Approval

This email came from an external source, please take caution when interacting with it.

Good Morning Courtney,

Following up on Aron's response to your questions below to see if there are any additional questions you may have or if this material can be approved under profile G. We would like to begin scheduling shipment of truck as soon as possible once approval is granted.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Sent: Friday, June 10, 2022 2:15 PM
To: Courtney Housholder <Courtney.Housholder@usecology.com>; Miranda Stelmach

<MStelmach@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

Dear Courtney,

Thank you for your questions. Here are our responses:

- What was the material that went through the pipe? Was any septic released through the pipe? Any odor?
    - We assume that the pipes carried industrial and not septic waste. However, we do not have knowledge of the particular waste streams.
- For the main 36" pipe, why were VOC's not run? How are they being ruled out?
    - VOCs were not a concern based on previous characterization of former industrial sewer pipes downstream and pre-design investigations prior to excavation.
- Do any listed waste codes apply to this material?
    - We do not have direct knowledge of processes in this area that would have generated a listed waste.
- How long will the pipe segments be? How do you plan to ship them?
    - Pipes segments will be shipped with soils approved for disposal on the same profile. They come out of the excavation more as fragments than sections. Please let us know if there is a length limit.

Best Regards,
Aron Krasnopoler

Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer

10211 Wincopin Circle, 4th Floor
Columbia, MD 21044
Phone: 410-381-4333
Fax: 410-381-4499
Mobile: 202-550-7724
www.geosyntec.com

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From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Wednesday, June 8, 2022 9:21 AM

To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hello,

I just have a few questions regarding this project.

- What was the material that went through the pipe? Was any septic released through the pipe? Any odor?
- For the main 36" pipe, why were VOC's not run? How are they being ruled out?
- Do any listed waste codes apply to this material?
- How long will the pipe segments be? How do you plan to ship them?

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Tuesday, June 7, 2022 9:36 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: IRM5A2 Profile G Request for Approval

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Good Morning Courtney,

We are planning to excavate the former industrial sewer (FIS) that spans a large portion of the site. The main FIS is a terracotta pipe which is 36" in diameter and has observed lateral connections that are smaller in diameter ranging from 8" to 18". I have attached the following lab reports for your review:

TCLP J138579- Sample IDs for Pipe 13 and Area 3-FIS-LAT are laterals connecting to the main FIS.
Totals J131237-1: Samples collected from the interior, bottom, and surrounding sidewalls associated with the main 36" FIS.
TCLP J131237-2: Waste characterization of interior contents from the main 36" FIS.

Results do not indicate exceedances for TSCA or any COPCs, however our workplan approved by the NYDEC does require that the former industrial sewer be excavated to its full extent which includes all associated laterals. We would like to request the approval of an estimated 4,000 tons to profile G17001WDI.

Please let me know if you need any additional information or feel free to give me a call on my cell at 920-676-4194. If approved, we would then begin scheduling transport of the material as soon as possible.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

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From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Tuesday, August 30, 2022 8:31 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hello,

The analysis has been approved G170001WDI.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Monday, August 29, 2022 6:13 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

This email came from an external source, please take caution when interacting with it.

Good Morning Courtney,

Please find the attached analytical report for corresponding sample ID- RAB1. These are overlying soils within our accumulation bins. We are currently transitioning northward and utilizing a new accumulation bin. We would like to request the approval of 500 tons to profile G170001WDI.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Friday, July 8, 2022 7:37 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hello,

I have approved the additional 2,000 tons for approval G170001WDI.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Thursday, July 7, 2022 12:27 PM
To: Courtney Housholder <Courtney.Housholder@usecology.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hi Courtney,

As discussed on the phone, we received the attached waste characterization analytical report (J139373-2) which displayed detections of sulfide at 1,500 mg/kg. The attached analytical report is representative of soils collected within the pipe (pipe 14) which is an 18" terracotta pipe. This was another lateral, which upon further uncovering was identified as connecting to the Former Industrial Sewer. As the soils were inconsistent (color/characteristics/texture) with my last approval request for profile G, we collected a waste characterization to verify it was consistent or different from other identified FIS laterals. Reactive sulfide was ran due to the elevated sulfide concentrations which is attached on lab report (J130373-3), which was reported as 150 mg/kg.

As this pipe continues another 250 feet and concentrations did not indicate TSCA material; however, our current workplan requires it be managed as hazardous waste. Based on the length and depth of the pipe, we would like to request the approval of 2,000 tons to Profile G. This approval would be based on the understanding and knowledge that if interior soil contents change or are inconsistent with what was sampled and attached, further sampling will be conducted prior to excavation/shipment and submitted to US Ecology. Handling of pipe fragments and its historical association to the FIS are consistent with the information Aron provided below.

Please call me on my cell phone if you have any additional questions (920) 676-4194.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

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From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Monday, December 5, 2022 2:16 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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Hello,

This material has been approved under approval G170001WDI.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287

US ecology
A Republic Services Company

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Monday, December 5, 2022 10:27 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>
Cc: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>
Subject: RE: IRM5A2 Profile G Request for Approval

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This email came from an external source, please take caution when interacting with it.

Good Morning Courtney,

We are nearing the end of our current phase (IRM5A2) where we will need to decommission the current accumulation bins. The attached lab report contains sample ID: AB1 (Accumulation Bin 1) which is representative of remaining residual soils at the base. We would like to request the approval of an estimated 500 tons to Profile G. Although lab analytical does not represent hazardous waste, due to historical storage within the bins, we would like to ship the material under the existing profile G.

Please let me know if you have any additional questions.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

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Profile ID: 679553

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: UNISYS

2. Site Address: 777 SOUTH MAIN ST

City: ELMIRA **Phone:**

State: NY **Zip:** 14904 **Country:** USA

☐ **P.O. required for payment?** *If yes, include:*

8. Invoicing Company: REMEDIAL CONSTRUCTION SERVICES LP

3. Mailing Address: 3199 PILOT KNOB ROAD

City: EAGAN

State: MN **Zip:** 55121 **Country:** USA

9. Invoicing Address : 9977 W SAM HOUSTON PKWY N STE100

City: HOUSTON

State: TX **Zip:** 77064-9515 **Country:** USA

4. Technical Contact: Aron Krasnopoler

10. Customer Contact: LARRY ENDICOTT

5. Phone: (410) 381-4333 **Email:** akrasnopoler@geosyntec.com

11. Phone: (281) 955-2442 **Email:** larry.endicott@reconservices.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG *(If yes, complete Certification Supplement)* ○ Not Applicable

7. EPA ID #: NYR000231571 **NAICS CODE:** 56291 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: Metals soil for treatment

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G39 **Form Code:** W301

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ◉ Yes ○ No **Proper Shipping Name:** Hazardous waste, solid, n.o.s.

2. Additional Description:

3. RQ: ◉ Yes ○ No **RQ Reason:** D008 **RQ Threshold:** 1 **UN/NA#:** NA3077

Packing Group: III **ERG#:** 171 **Hazard Class:** 9

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☑ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☐ Drums ☐ Cylinder **Container size:** dt

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 2000 **Units:** Tons

Frequency: ○ Year ○ Quarterly ○ Monthly ○ 1 Time ◉ Other, **Describe:** As needed

D. PHYSICAL PROPERTIES

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Soil	95	85	100
Debris	2	0	10
Treatment reagent	5	0	10

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:**

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: BLACK/BROWN **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ◉ N/A

6. Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ◉ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☑ 10.1 - 12.4 ☑ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☐ 140 - 199 °F ☑ >=200 °F ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ○ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

Profile ID: 679553

E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. US Ecology Texas Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	D008									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's TRI Section 313 chemicals, OSHA Hazardous Materials, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Acenaphthylene	mg/kg	○	◉	0.03	0.03	0.056	☐	☐
Acenaphthene	mg/kg	○	◉	0	0	0.41	☐	☐
Acetone	mg/kg	○	◉	0.032	0.032	0.045	☐	☐
Anthracene	mg/kg	○	◉	0.037	0.037	0.34	☐	☐
Benz(a)anthracene	mg/kg	○	◉	0.15	0.15	1.2	☐	☐
Benzo(a)pyrene	mg/kg	○	◉	0.16	0.16	0.21	☐	☐
Benzo(b)fluoranthene	mg/kg	○	◉	0.18	0.18	0.22	☐	☐
Benzo(K)fluoranthene	mg/kg	○	◉	0.12	0.12	0.13	☐	☐
Benzo(g,h,i)perylene	mg/kg	○	◉	0.14	0.14	0.17	☐	☐
Carbon disulfide	mg/kg			0	0	0.0083		

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:** **Describe:**	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	◉ Yes ○ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No

21. Asbestos: ○ Yes ◉ **No**

22. Ammonia/Ammonia Compounds: ○ Yes ◉ No

23. Hazardous Secondary Material: ○ Yes ◉ No

24. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ◉ No ○ N/A

Profile ID: 679553

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* (●) <500 ppmw ( ) ≥500 ppmw

2. Has the material been treated after the initial point of generation? (●) Yes ( ) No If yes,Describe: Material was treated insitu

3. If RCRA Hazardous:

( ) Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2

(●) Non-wastewater TSS/TOC>WW

(●) Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49

( ) Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size

[ ] I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means

[ ] I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3

( ) Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ( ) Yes (●) No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

[ ] Yes [✓] No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? (●) Yes ( ) No

2. Requested Technology: Stabilization RCRA

3. Thermal Processing: ( ) Yes (●) No

4. Other specific restrictions requested:

5. Requested US Ecology Facility:

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize US Ecology's personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. US Ecology may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize US Ecology's personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by US Ecology. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Print Name:	Terry Etter	**Signature:**	Terry Etter
Title:	Project Manager		
Date:	8/22/22	**Company:**	Unisys Corporation

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process:

Remediation waste generated for the former Sperry Remington site in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the Elmira site from 1937 to 1972. No Herb Pest UHCs present based on site history and previous analysis. No sources of contamination are known, thus no listed codes apply. Manufacturing Operations included:

- Coal Fired Power Plant
- Foundry
- Oil Water Separators
- Cyanide Heat Treating
- Machining of Parts
- Plating
- Degreasing

No PFAS knowledge in this area.

WASTE MATERIAL PROFILE FORM - CONTINUATION (Chemical)

E. CHARACTERIZATION & CHEMICAL COMPOSITION

4. Chemical Composition:

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Carbon disulfide	mg/kg	○	◉	0	0	0.0083	☐	☐
Chloroform	mg/kg	○	◉	0	0	0.0027	☐	☐
Chrysene	mg/kg	○	◉	0.2	0.2	2.7	☐	☐
Fluoranthene	mg/kg	○	◉	0.24	0.038	0.44	☐	☐
Fluorene	mg/kg	○	◉	0	0	0.54	☐	☐
Indeno(1.2.3-c,d)pyrene	mg/kg	○	◉	0.11	0.11	0.14	☐	☐
Methylene Chloride	mg/kg	○	◉	0	0	0.0075	☐	☐
Methyl ethyl Ketone	mg/kg	○	◉	0	0	0.014	☐	☐
Naphthalene	mg/kg	○	◉	0	0	0.4	☐	☐
Phenanthrene	mg/kg	○	◉	0.18	0.18	2.5	☐	☐
Pyrene	mg/kg	○	◉	0.25	0.25	1.5	☐	☐
Arsenic	mg/kg	○	◉	0.01	0	17	☐	☐
Barium	mg/kg	○	◉	1.3	0	840	☐	☐
Beryllium	mg/kg	○	◉	0	0	0.38	☐	☐
Cadmium	mg/kg	○	◉	0.0013	0	3	☐	☐
Chromium	mg/kg	○	◉	0.037	0	66	☐	☐
Cyanides (Total)	mg/kg	○	◉	0	0	17	☐	☐
Lead	mg/kg	○	◉	23	0	9600	☐	☑
Mercury (all others)	mg/kg	○	◉	0	0	0.079	☐	☐
Nickel	mg/kg	○	◉	0	0	890	☐	☐
Selenium	mg/kg	○	◉	0	0	3.2	☐	☐
Silver	mg/kg	○	◉	0	0	0.48	☐	☐
Vanadium	mg/kg	○	◉	0	0	14	☐	☐
Zinc**	mg/kg	○	◉	0	0	1200	☐	☐
Copper	mg/kg	○	◉	0	0	5200	☐	☐
Dibenzofuran	mg/kg	○	◉	0	0	0.34	☐	☐
2-Methylnaphthalene	mg/kg	○	◉	0.021	0.021	0.55	☐	☐
Manganese	mg/kg	○	◉	0	0	810	☐	☐
magnesium	mg/kg	○	◉	0	0	1800	☐	☐
cobalt	mg/kg	○	◉	0	0	6.6	☐	☐
1,2,4 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0086	☐	☐
1,3,5 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0039	☐	☐
Polychlorinated biphenyls	mg/kg	○	◉	0	0	49	☑	☐
Aluminum	mg/kg	○	◉	0	0	9300	☐	☐

US ecology

Profile ID : 679553

LAND DISPOSAL RESTRICTION FORM (From Question G3)

GENERATOR INFORMATION

1. Generator:	UNISYS	**2. EPA ID Number:**	NYR000231571

5. Waste is a: ○ Wastewater (<1% TSS & TOC) ◉ Non-wastewater ○ Debris

6. Notification Frequency: ○ One Time ◉ Required with Each Shipment

7. Shipment EPA Waste Codes: D008

8. UHC's: *(Underlying Hazardous Constituents 40 CFR 268.48)?* ◉ Yes ○ No

(If yes. list constituents): Polychlorinated biphenyls

9. Does a subcategory apply per 40 CFR 268.40? ○ Yes ◉ No

(If yes, select subcategory):

10. Constituents requiring treatment in F001-5, F039, debris, and alternate soils? ◉ Yes ○ No

(*If yes, list):*

Requires Treatment

◉ **Waste Subject To Treatment (40 CFR 268.7(a) (2))**

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable Prohibitions set forth in Part 268.32 or RCRA Section 3004(d) and 268.49 (c).

If applicable, under 268.49, this contaminated soil ○ does or ◉ does not contain listed hazardous waste and ◉ does or ○ does not exhibit a characteristic of hazardous waste and is subject to the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

○ **Hazardous Debris Subject To Treatment (40 CFR 268.45)**

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

○ **Waste De-characterized But Requires Treatment For UHC (40 CFR 268.7 (b) (4) (iv))**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic.This de-characterized waste contains Underlying Hazardous Constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification,including the possibility of a fine and imprisonment.

Waste Meets Treatment Standards

○ **Waste Meets Treatment Standards (40 CFR 268.7(a) (3))**

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR268.49 and can be landfill disposed without further treatment.

If applicable, under 268.49, this contaminated soil ○ does or ○ does not contain listed hazardous waste and ○ does or ○ does not exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

○ **Waste Treated To Treatment Standards (40 CFR 268.7(b) (I) & 268.7 (b) (2))**

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or Extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45
I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

○ **Waste Soil treated to alternative standards (40 CFR 268.7 (b) (4))**

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be Managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Print Name:	Terry Etter	**Signature:**	Terry Etter	**Title:**	PM	**Date:**	8/22/22

WASTE/MATERIAL PROFILE FORM
PCB Supplement (From Section F8)

PCB Information

1. What is the concentration of PCB's in the waste? ☑ <10ppm ☑ 10-49ppm ☐ 50-499ppm ☐ ≥500ppm

2. Does the waste contain PCB contamination from a known source with a concentration ≥ 50ppm (TSCA Regulated source)?

(e.g., a known spill or leak of oil ≥50ppm) ○ Yes ○ No ◉ Unknown

3. Is the waste regulated for disposal under 40 CFR Part 761 (TSCA) for PCBs? ○ Yes ◉ No
(If yes, continuation/control sheet per 40 CFR Part 761.207 required with shipment)

4. Has this waste been processed into a non-liquid form? ○ Yes ◉ No

(If yes, what was the concentration of PCB's prior to the processing)

*****If indicated concentration is "<10ppm" or "10-49ppm," and is not from a Regulated PCB/TSCA source, stop here.*****

Waste Containing Small Capacitors

5. Generator is/was a manufacturer of PCB capacitors of PCB equipment? *40 CFR Part 761.60(b)(2)(iv)* ○ Yes ◉ No

6. Is this waste defined as a PCB Article intended for disposal in a TSCA chemical waste landfill? 40 CFR Part 761.3 ○ Yes ◉ No

(If yes, has the PCB article been drained and flushed in accordance with 40 CFR Part 761.60 (b) standards?) ○ Yes ◉ No

US ecology

Form ID : 755005

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: Unisys Corporation

2. Site Address: 777 South Main Street

City: Elmira **Phone:** (651) 635-7253

State: NY **Zip:** 14904 **Country:** USA

3. Mailing Address: 3199 Pilot Knob Road

City: Eagan

State: MN **Zip:** 55121 **Country:** USA

4. Technical Contact: Terry Etter

5. Phone: (651) 635-7253 **Email:** terry.etter@unisys.com

☐ **P.O. required for payment?** *If yes, include:*

8. Invoicing company: ELK TRANSPORTATION, INC.

9. Invoicing Address : 1440 CARBON ST.

City: READING

State: PA **Zip:** 19601 **Country:** USA

10. Customer Contact: Mike Brilla

11. Phone: (570) 865-6398 **Email:** mbrilla@elkenv.com

6. Generator Status: ○ SQG ◉ LQG ○ VSQG/CESQG ○ Not Applicable

7. EPA ID #: NYR000231571 **NAICS CODE:** 611110 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: Lead Contaminated Pipe

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G44 **Form Code:** W002

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ◉ Yes ○ No **Proper Shipping Name:** Hazardous waste, solid, n.o.s.

2. Additional Description: contains Lead

3. RQ: ◉ Yes ○ No **RQ Reason:** D008 **RQ Threshold:** 10 **UN/NA#:** NA3077

Packing Group: III **ERG#:** 171 **Hazard Class:** 9

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: (800) 885-1715 **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☑ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☐ Drums ☐ Cylinder **Container size:** 20-Yd³ Roll-off Box

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 4 **Units:** Tons

Frequency: ○ Year ○ Quarterly ○ Monthly ○ 1 Time ◉ Other, **Describe:** Intermittent

D. PHYSICAL PROPERTIES

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Multi-layer Piping (Hazardous debris §268.2(h))	100	100	100

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:**

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: GRAY/BLACK:VARIES **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ◉ N/A

6.Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ◉ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☐ 10.1 - 12.4 ☐ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☐ 140 - 199 °F ☐ >=200 °F ☑ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ◉ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

E. CHARACTERIZATION & CHEMICAL COMPOSITION

1. US Ecology Texas Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	D008									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ○ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's TRI Section 313 chemicals, OSHA Hazardous Materials, PFAS Constituents, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Lead	mg/l	◉	○	2600			☑	☑

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:** **Describe:**	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	○ Yes ◉ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No
21. Ammonia/Ammonia Compounds:	○ Yes ◉ No	**22. Per-and Polyfluoroalkyl Substances (PFAS):**	○ Yes ◉ No

23. Asbestos: ○ Yes ◉ **No**

24. Hazardous Secondary Material: ○ Yes ◉ No

25. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ○ No ◉ N/A

Form ID: 755005

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* ◉ <500 ppmw ○ ≥500 ppmw

2. Has the material been treated after the initial point of generation? ○ Yes ◉ No

3. If RCRA Hazardous:

- ○ Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- ○ Non-wastewater TSS/TOC>WW
- ○ Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ◉ Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - ☑ I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - ☑ I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ○ Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ○ Yes ◉ No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

☐ Yes ☑ No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? ◉ Yes ○ No

2. Requested Technology: Microencapsulation

3. Thermal Processing: ○ Yes ◉ No

4. Other specific restrictions requested:

5. Requested US Ecology Facility: US Ecology Michigan – Treatment

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize US Ecology's personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. US Ecology may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize US Ecology's personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by US Ecology. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Signed on behalf of

Print Name:	Terry Etter	**Signature:**	Terry Etter
Title:	Program Manager		
Date:	5/10/23	**Company:**	Unisys Corporation

Form ID: 755005

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process: Multi-layer Piping (paper, rope, rubber, metal) encountered during site excavation.

Waste is Hazardous debris (as defined at §268.2(h)) comprised of solid material >60-mm particle that is a manufactured object which exhibits the Toxicity Characteristic for Lead (§261.24).

Paper layer sampled for asbestos = Non-Detect. Representative sample of waste tested for TCLP Lead = 2600 mg/L. Individual layers tested for PCBs, all results under Quantifiable Level/Level of Detection defined in §761.3 (contamination not from TSCA Source).

US ecology

Form ID : 755005

LAND DISPOSAL RESTRICTION FORM (From Question G3)

GENERATOR INFORMATION

1. Generator:	Unisys Corporation	**2. EPA ID Number:**	NYR000231571

5. Waste is a: ○ Wastewater (<1% TSS & TOC) ○ Non-wastewater ◉ Debris

6. Notification Frequency: ◉ One Time ○ Required with Each Shipment

7. Shipment EPA Waste Codes: D008

8. UHC's: *(Underlying Hazardous Constituents 40 CFR 268.48)?* ◉ Yes ○ No

(If yes. list constituents): Lead

9. Does a subcategory apply per 40 CFR 268.40? ○ Yes ◉ No

(If yes, select subcategory):

10. Constituents requiring treatment in F001-5, F039, debris, and alternate soils? ○ Yes ◉ No

(If yes, list):

Requires Treatment

○ **Waste Subject To Treatment (40 CFR 268.7(a) (2))**

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable Prohibitions set forth in Part 268.32 or RCRA Section 3004(d) and 268.49 (c).

If applicable, under 268.49, this contaminated soil ○ does or ○ does not contain listed hazardous waste and ○ does or ○ does not exhibit a characteristic of hazardous waste and is subject to the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

◉ **Hazardous Debris Subject To Treatment (40 CFR 268.45)**

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

○ **Waste De-characterized But Requires Treatment For UHC (40 CFR 268.7 (b) (4) (iv))**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic.This de-characterized waste contains Underlying Hazardous Constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification,including the possibility of a fine and imprisonment.

Waste Meets Treatment Standards

○ **Waste Meets Treatment Standards (40 CFR 268.7(a) (3))**

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR268.49 and can be landfill disposed without further treatment.

If applicable, under 268.49, this contaminated soil ○ does or ○ does not contain listed hazardous waste and ○ does or ○ does not exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

○ **Waste Treated To Treatment Standards (40 CFR 268.7(b) (I) & 268.7 (b) (2))**

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or Extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

○ **Waste Soil treated to alternative standards (40 CFR 268.7 (b) (4))**

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be Managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information. Signed on behalf of

Print Name:	Terry Etter	**Signature:**	Terry Etter	**Title:**	Program Manager	**Date:**	5/10/23

Form ID: 755005

WASTE/MATERIAL PROFILE FORM
Debris Waste Streams for Microencapsulation
(From Question G3 and H5)

DEBRIS CERTIFICATION

Legal treatment of debris by microencapsulation requires compliance with EPA rules (40 CFR 268.2(g) and (h)):

- **EPA requires debris must be a solid. Liquids may not be treated by microencapsulation.**
- **EPA requires debris must be greater than 60 mm in any one dimension (2.5 inches).**
- **EPA requires debris must be one of the following: manufactured objects; plant or animal matter; natural geologic material. If waste does not fit one of these descriptions, it should not be profiled for microencapsulation.**
- **EPA has specifically defined the following as NOT debris so EPA will not allow to be treated by microencapsulation: lead acid batteries, cadmium batteries; radioactive lead solids; process residuals (such as smelter slag and residues from the treatment of waste, wastewater, sludge's, or air emission residues); intact containers of hazardous waste that are not ruptured and that retain at least 75% of their original volume (ruptured containers that retain < 75% of their original volume are debris and may be shipped for microencapsulation if specified in the waste profile).**
- **EPA does not allow non-debris to be added to debris and treated by microencapsulation even if the portion that is debris is greater than 50% of the volume.**
- **When debris and non-debris are co-generated inherently combined (but not intentionally mixed), the portion of waste that is debris must be greater than 50% of the volume to be treated by microencapsulation.**
- **Land Disposal Restriction (LDR) notification forms must indicate that the waste is to be treated to comply with 40 CFR 268.45 (alternative treatment standards for hazardous debris).**

Our permit requires all wastes be visually inspected onsite. This means waste may not be placed in containers or be packaging within outer containers that prevent USEM staff from observing the waste contents. This includes, but is not limited to, waste inside intact, opaque trash bags inside non-bulk or bulk containers, and waste inside intact non-bulk containers (e.g. drums, supersacks) inside bulk containers. Clear trash bags allowing for visual inspection of the waste is permitted.

Please alert us if your debris includes oxidizers (D001), flammables (D001) or anything potentially reactive (D003) in order to ensure safe and compliant processing of your waste. If you are not sure whether your waste qualifies for microencapsulation, please contact us at 800-592-5489.

☑ I certify that personnel directly responsible for placing waste into containers to be shipped to US Ecology for microencapsulation treatment have reviewed this form.

Signed on behalf of

Print Name:	Terry Etter	**Signature:**	
Title:	Program Manager		
Date:		**Company:**	Unisys Corporation

Form ID: 755005


2023-02-02 17:04:06-05:00
IRM5A2

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 180-128026-1
Client Project/Site: Former Sperry Remington-FIS Pipe

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

Attn: Mr. Aron Krasnopoler

Authorized for release by:
10/19/2021 2:38:54 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

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Case Narrative

Client: Geosyntec Consultants, Inc. Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Job ID: 180-128026-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128026-1

Receipt
The samples were received on 10/5/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

GC Semi VOA
Method 8082A: Samples SSHS-IRM5-FIS-LEAD PIPE PAPER (180-128026-2) and SSHS-IRM5-FIS-LEAD PIPE ROPE (180-128026-3) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP2. The recovery on column RTX-CLP1 and the recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: Sample SSHS-IRM5-FIS-RUBBER PIPE PAPER (180-128026-5) had the recoveries of surrogate decachlorobiphenyl above the control limits on both columns. The recoveries of tetrachloro-m-xylene were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-374490 (CCV 180-374490/4) was below criteria for aroclor 1248 for 1 peak on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated sample results for aroclor 1248 did not have these peaks included in the quantitation of the results.

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

Metals
Method 6010C: The following sample was diluted to bring the concentration of lead within the linear range of the instrument: SSHS-IRM5-FIS-LEAD PIPE (180-128026-1). Elevated reporting limits (RLs) are provided.

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

Organic Prep
Method 3541: Due to the amount of sample received for analysis, a reduced aliquot was used for the PCB extraction of the following sample: SSHS-IRM5-FIS-LEAD PIPE ROPE (180-128026-3). The reporting limits (RLs) have been adjusted proportionately.

Method 3541: Due to the low density of the sample matrix, reduced aliquots were used for the PCB extraction for the following samples: SSHS-IRM5-FIS-LEAD PIPE PAPER (180-128026-2), SSHS-IRM5-FIS-RUBBER (180-128026-4), and SSHS-IRM5-FIS-RUBBER PIPE PAPER (180-128026-5). The reporting limits (RLs) have been adjusted proportionately.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

Sample Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128026-1	SSHS-IRM5-FIS-LEAD PIPE	Solid	10/04/21 15:15	10/05/21 10:00
180-128026-2	SSHS-IRM5-FIS-LEAD PIPE PAPER	Solid	10/04/21 15:15	10/05/21 10:00
180-128026-3	SSHS-IRM5-FIS-LEAD PIPE ROPE	Solid	10/04/21 15:15	10/05/21 10:00
180-128026-4	SSHS-IRM5-FIS-RUBBER	Solid	10/04/21 15:20	10/05/21 10:00
180-128026-5	SSHS-IRM5-FIS-RUBBER PIPE PAPER	Solid	10/04/21 15:20	10/05/21 10:00

Method Summary

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

Job ID: 180-128026-1

Method	Method Description	Protocol	Laboratory
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
3050B	Preparation, Metals	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE — Lab Sample ID: 180-128026-1

Date Collected: 10/04/21 15:15 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.67 g	100 mL	375170	10/15/21 10:30	RGM	TAL PIT
Total/NA	Analysis	EPA 6010C		100			375808	10/19/21 11:00	RJG	TAL PIT
	Instrument ID: C									

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE PAPER — Lab Sample ID: 180-128026-2

Date Collected: 10/04/21 15:15 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			5.4 g	20.0 mL	374315	10/06/21 20:30	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	374503	10/08/21 06:28	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	374504	10/08/21 06:29	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			374490	10/08/21 18:47	JMO	TAL PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE ROPE — Lab Sample ID: 180-128026-3

Date Collected: 10/04/21 15:15 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			3.6 g	20.0 mL	374315	10/06/21 20:30	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	374503	10/08/21 06:28	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	374504	10/08/21 06:29	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			374490	10/08/21 19:06	JMO	TAL PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-IRM5-FIS-RUBBER — Lab Sample ID: 180-128026-4

Date Collected: 10/04/21 15:20 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			12.8 g	20.0 mL	374315	10/06/21 20:30	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	374503	10/08/21 06:28	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	374504	10/08/21 06:29	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			374490	10/08/21 19:24	JMO	TAL PIT
	Instrument ID: CHGC20									

Client Sample ID: SSHS-IRM5-FIS-RUBBER PIPE PAPER — Lab Sample ID: 180-128026-5

Date Collected: 10/04/21 15:20 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			1.6 g	20.0 mL	374315	10/06/21 20:30	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	374503	10/08/21 06:28	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	374504	10/08/21 06:29	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			374490	10/08/21 19:43	JMO	TAL PIT
	Instrument ID: CHGC20									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Laboratory References:

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

Analyst References:

Lab: TAL PIT

- Batch Type: Cleanup
  - JMO = John Oravec
- Batch Type: Prep
  - CSC = Chayce Cockroft
  - RGM = Rebecca Manns
- Batch Type: Analysis
  - JMO = John Oravec
  - RJG = Rob Good

Client: Geosyntec Consultants, Inc.
Job ID: 180-128026-1
Project/Site: Former Sperry Remington-FIS Pipe

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE
Lab Sample ID: 180-128026-1
Date Collected: 10/04/21 15:15
Matrix: Solid
Date Received: 10/05/21 10:00

Method: EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	97000		150	76	mg/Kg		10/15/21 10:30	10/19/21 11:00	100

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE PAPER
Lab Sample ID: 180-128026-2
Date Collected: 10/04/21 15:15
Matrix: Solid
Date Received: 10/05/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		46	15	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1221	ND		46	16	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1232	ND		46	11	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1242	ND		46	6.8	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1248	ND		46	11	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1254	43	J	46	14	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1260	ND		46	13	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1262	ND		46	16	ug/Kg		10/06/21 20:30	10/08/21 18:47	1
PCB-1268	ND		46	6.2	ug/Kg		10/06/21 20:30	10/08/21 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*	*p*	*31 - 150*	*10/06/21 20:30*	*10/08/21 18:47*	*1*
DCB Decachlorobiphenyl (Surr)	*580*	*S1+*	*31 - 150*	*10/06/21 20:30*	*10/08/21 18:47*	*1*
Tetrachloro-m-xylene (Surr)	*74*		*20 - 150*	*10/06/21 20:30*	*10/08/21 18:47*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*20 - 150*	*10/06/21 20:30*	*10/08/21 18:47*	*1*

Client Sample ID: SSHS-IRM5-FIS-LEAD PIPE ROPE
Lab Sample ID: 180-128026-3
Date Collected: 10/04/21 15:15
Matrix: Solid
Date Received: 10/05/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		69	23	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1221	ND		69	25	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1232	ND		69	17	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1242	ND		69	10	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1248	ND		69	17	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1254	110		69	21	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1260	ND		69	20	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1262	ND		69	24	ug/Kg		10/06/21 20:30	10/08/21 19:06	1
PCB-1268	ND		69	9.3	ug/Kg		10/06/21 20:30	10/08/21 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*	*p*	*31 - 150*	*10/06/21 20:30*	*10/08/21 19:06*	*1*
DCB Decachlorobiphenyl (Surr)	*815*	*S1+*	*31 - 150*	*10/06/21 20:30*	*10/08/21 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*69*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*65*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:06*	*1*

Client Sample ID: SSHS-IRM5-FIS-RUBBER

Lab Sample ID: 180-128026-4
Date Collected: 10/04/21 15:20
Matrix: Solid
Date Received: 10/05/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1221	ND		20	6.9	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1232	ND		20	4.8	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1242	ND		20	2.9	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1248	**630**		20	4.7	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1254	ND		20	5.9	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1260	ND		20	5.6	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1262	ND		20	6.9	ug/Kg		10/06/21 20:30	10/08/21 19:24	1
PCB-1268	ND		20	2.6	ug/Kg		10/06/21 20:30	10/08/21 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*94*		*31 - 150*	*10/06/21 20:30*	*10/08/21 19:24*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*31 - 150*	*10/06/21 20:30*	*10/08/21 19:24*	*1*
Tetrachloro-m-xylene (Surr)	*83*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:24*	*1*
Tetrachloro-m-xylene (Surr)	*76*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:24*	*1*

Client Sample ID: SSHS-IRM5-FIS-RUBBER PIPE PAPER

Lab Sample ID: 180-128026-5
Date Collected: 10/04/21 15:20
Matrix: Solid
Date Received: 10/05/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		160	51	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1221	ND		160	55	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1232	ND		160	38	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1242	ND		160	23	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1248	ND		160	38	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1254	**100**	**J**	160	47	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1260	ND		160	44	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1262	ND		160	55	ug/Kg		10/06/21 20:30	10/08/21 19:43	1
PCB-1268	ND		160	21	ug/Kg		10/06/21 20:30	10/08/21 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*630*	*S1+*	*31 - 150*	*10/06/21 20:30*	*10/08/21 19:43*	*1*
DCB Decachlorobiphenyl (Surr)	*613*	*S1+*	*31 - 150*	*10/06/21 20:30*	*10/08/21 19:43*	*1*
Tetrachloro-m-xylene (Surr)	*79*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:43*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*20 - 150*	*10/06/21 20:30*	*10/08/21 19:43*	*1*

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

Lab Sample ID: MB 180-374315/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 374490 **Prep Batch: 374315**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1221	ND		17	5.9	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1232	ND		17	4.1	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1242	ND		17	2.4	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1248	ND		17	4.0	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1254	ND		17	5.0	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1260	ND		17	4.7	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1262	ND		17	5.9	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1268	ND		17	2.2	ug/Kg		10/06/21 20:30	10/08/21 16:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*31 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*31 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*20 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*20 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*

Lab Sample ID: LCS 180-374315/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 374490 **Prep Batch: 374315**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1330	984		ug/Kg		74	61 - 125
PCB-1260	1330	1170		ug/Kg		88	57 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*82*		*31 - 150*
Tetrachloro-m-xylene (Surr)	*87*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*82*		*20 - 150*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-375170/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375722 **Prep Batch: 375170**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.0	0.51	mg/Kg		10/15/21 10:30	10/18/21 11:29	1

Lab Sample ID: LCS 180-375170/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375722 **Prep Batch: 375170**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	47.4		mg/Kg		95	80 - 120

QC Association Summary

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

Job ID: 180-128026-1

GC Semi VOA

Prep Batch: 374315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-2	SSHS-IRM5-FIS-LEAD PIPE PAPER	Total/NA	Solid	3541	
180-128026-3	SSHS-IRM5-FIS-LEAD PIPE ROPE	Total/NA	Solid	3541	
180-128026-4	SSHS-IRM5-FIS-RUBBER	Total/NA	Solid	3541	
180-128026-5	SSHS-IRM5-FIS-RUBBER PIPE PAPER	Total/NA	Solid	3541	
MB 180-374315/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-374315/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 374490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-2	SSHS-IRM5-FIS-LEAD PIPE PAPER	Total/NA	Solid	EPA 8082A	374504
180-128026-3	SSHS-IRM5-FIS-LEAD PIPE ROPE	Total/NA	Solid	EPA 8082A	374504
180-128026-4	SSHS-IRM5-FIS-RUBBER	Total/NA	Solid	EPA 8082A	374504
180-128026-5	SSHS-IRM5-FIS-RUBBER PIPE PAPER	Total/NA	Solid	EPA 8082A	374504
MB 180-374315/1-A	Method Blank	Total/NA	Solid	EPA 8082A	374315
LCS 180-374315/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	374315

Cleanup Batch: 374503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-2	SSHS-IRM5-FIS-LEAD PIPE PAPER	Total/NA	Solid	3665A	374315
180-128026-3	SSHS-IRM5-FIS-LEAD PIPE ROPE	Total/NA	Solid	3665A	374315
180-128026-4	SSHS-IRM5-FIS-RUBBER	Total/NA	Solid	3665A	374315
180-128026-5	SSHS-IRM5-FIS-RUBBER PIPE PAPER	Total/NA	Solid	3665A	374315

Cleanup Batch: 374504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-2	SSHS-IRM5-FIS-LEAD PIPE PAPER	Total/NA	Solid	3660B	374503
180-128026-3	SSHS-IRM5-FIS-LEAD PIPE ROPE	Total/NA	Solid	3660B	374503
180-128026-4	SSHS-IRM5-FIS-RUBBER	Total/NA	Solid	3660B	374503
180-128026-5	SSHS-IRM5-FIS-RUBBER PIPE PAPER	Total/NA	Solid	3660B	374503

Metals

Prep Batch: 375170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-1	SSHS-IRM5-FIS-LEAD PIPE	Total/NA	Solid	3050B	
MB 180-375170/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-375170/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 375722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-375170/1-A	Method Blank	Total/NA	Solid	EPA 6010C	375170
LCS 180-375170/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	375170

Analysis Batch: 375808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128026-1	SSHS-IRM5-FIS-LEAD PIPE	Total/NA	Solid	EPA 6010C	375170

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

Chain of Custody Record

Non Haz
Waste Characterization

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10 Day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCLP Volatiles	8270D - TCLP Semivolatiles	8081B - TCLP Pesticides	8151A - TCLP Herbicides	6010C Lead	9034/9030B - Sulfide	9045D - pH	1020B - Ignitability	8082A - PCBs	9014 - Cyanide				Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N										
SSHS-IRM5-FIS-Lead Pipe	10/4/21	15:15	C	Solid	N	N					X									1	
SSHS-IRM5-FIS-Lead Pipe Paper	10/4/21	15:15	C	Solid	N	N									X					1	
SSHS-IRM5-FIS-Lead Pipe Rope	10/4/21	15:15	C	Solid	N	N									X					1	
SSHS-IRM5-FIS-Rubber	10/4/21	15:20	C	Solid	N	N									X					1	
SSHS-IRM5-FIS-Rubber Pipe Paper	10/4/21	15:20	C	Solid	N	N									X					1	

180-128026 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/4/21 17:00	Geosyntec		10/5/21 1000	EXM P.M
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128026-1

Login Number: 128026
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins TestAmerica, Pittsburgh

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/28/2023 4:35:04 PM

JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-152100-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-152100-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-152100-1

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

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

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

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

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

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

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

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Qualifiers

GC/MS VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

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

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Laboratory: Eurofins Pittsburgh

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

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

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

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

Laboratory: Eurofins Edison

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

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

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

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

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

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

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

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

Protocol References:

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

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

Laboratory References:

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

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5-MP1
Lab Sample ID: 180-152100-1
Date Collected: 02/15/23 15:00
Matrix: Solid
Date Received: 02/16/23 09:00

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

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

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-ISMP-NH37
Lab Sample ID: 180-152100-2
Date Collected: 02/15/23 17:30
Matrix: Solid
Date Received: 02/16/23 09:00
Percent Solids: 92.6

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

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET EDI
- Batch Type: Leach
  - BJB = Benjamin Baker
  - YAH = Youhao Hu
- Batch Type: Prep
  - RBS = Razia Sheikh
  - SXS = Sameer Shukla
  - VAP = Vanita Patel
- Batch Type: Analysis
  - CDC = Churn Der Chang
  - MME = Mustafa Eisa
  - RBS = Razia Sheikh
  - VBP = Vyomesh Parekh
  - YAH = Youhao Hu

Lab: EET PIT
- Batch Type: Cleanup
  - JMO = John Oravec
  - MJC = Mathew Catanzariti
- Batch Type: Prep
  - BAB = Brooke Batyi
  - CMR = Carl Reagle
  - HCY = Harrison Yaeger
  - JSM = Joseph Moore
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - BAB = Brooke Batyi
  - CMR = Carl Reagle
  - ELS = Edwin Shireman
  - JMO = John Oravec
  - RJG = Rob Good
  - RJR = Ron Rosenbaum

Client Sample ID: SSHS-IRM5-MP1
Lab Sample ID: 180-152100-1
Date Collected: 02/15/23 15:00
Matrix: Solid
Date Received: 02/16/23 09:00

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

General Chemistry

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

Client Sample ID: SSHS-ISMP-NH37
Lab Sample ID: 180-152100-2
Date Collected: 02/15/23 17:30
Matrix: Solid
Date Received: 02/16/23 09:00
Percent Solids: 92.6

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

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

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

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-ISMP-NH37
Lab Sample ID: 180-152100-2
Date Collected: 02/15/23 17:30
Matrix: Solid
Date Received: 02/16/23 09:00
Percent Solids: 92.6

General Chemistry

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

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

Lab Sample ID: MB 460-893965/8
Matrix: Solid
Analysis Batch: 893965

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

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

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

Lab Sample ID: LCS 460-893965/4
Matrix: Solid
Analysis Batch: 893965

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

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

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

Lab Sample ID: LCSD 460-893965/5
Matrix: Solid
Analysis Batch: 893965

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

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

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

Lab Sample ID: LCSD 460-893965/5
Matrix: Solid
Analysis Batch: 893965

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

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

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

Lab Sample ID: MB 460-894085/8
Matrix: Solid
Analysis Batch: 894085

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

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

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

Lab Sample ID: LCS 460-894085/4
Matrix: Solid
Analysis Batch: 894085

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

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

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

Lab Sample ID: LCS 460-894085/4
Matrix: Solid
Analysis Batch: 894085

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

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

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

Lab Sample ID: LB 460-893733/1-A
Matrix: Solid
Analysis Batch: 893965

Client Sample ID: Method Blank
Prep Type: TCLP

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

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

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

Lab Sample ID: MB 460-894256/1-A
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 894256

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

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

Lab Sample ID: MB 460-894256/1-A
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 894256

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

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

Lab Sample ID: LCS 460-894256/2-A
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 894256

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

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

Lab Sample ID: LCSD 460-894256/3-A
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 894256

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

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

Lab Sample ID: LCSD 460-894256/3-A
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 894256

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

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

Lab Sample ID: LB 460-893917/1-F
Matrix: Solid
Analysis Batch: 894335

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 894256

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

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

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

Lab Sample ID: MB 180-426989/1-C
Matrix: Solid
Analysis Batch: 427054

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426989

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

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

Lab Sample ID: LCS 180-426989/2-C
Matrix: Solid
Analysis Batch: 427054

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426989

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

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

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 460-894078/1-A
Matrix: Solid
Analysis Batch: 894289

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 894078

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

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

Lab Sample ID: LCS 460-894078/2-A ^2
Matrix: Solid
Analysis Batch: 894289

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 894078

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

Lab Sample ID: LB 460-893917/1-D ^5
Matrix: Solid
Analysis Batch: 894289

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 894078

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

Lab Sample ID: 180-152100-2 MS
Matrix: Solid
Analysis Batch: 894289

Client Sample ID: SSHS-ISMP-NH37
Prep Type: TCLP
Prep Batch: 894078

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

Lab Sample ID: 180-152100-2 DU
Matrix: Solid
Analysis Batch: 894289

Client Sample ID: SSHS-ISMP-NH37
Prep Type: TCLP
Prep Batch: 894078

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

Method: 7470A - Mercury (CVAA)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Method: EPA 6010C - Metals (ICP)

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

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

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

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

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

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

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

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

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

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

Method: EPA 7470A - Mercury (CVAA)

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

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

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

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

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

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

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

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

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

Method: 2540G - SM 2540G

Lab Sample ID: 180-152100-2 DU
Matrix: Solid
Analysis Batch: 427021

Client Sample ID: SSHS-ISMP-NH37
Prep Type: Total/NA

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

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-426866/4-A
Matrix: Solid
Analysis Batch: 426898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426866

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

Lab Sample ID: HLCS 180-426866/2-A
Matrix: Solid
Analysis Batch: 426898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426866

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

Lab Sample ID: LCS 180-426866/3-A
Matrix: Solid
Analysis Batch: 426898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426866

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

Lab Sample ID: LLCS 180-426866/1-A
Matrix: Solid
Analysis Batch: 426898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426866

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

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

Lab Sample ID: MB 180-426746/2-A
Matrix: Solid
Analysis Batch: 426772

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 426746

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

Lab Sample ID: LCS 180-426746/1-A
Matrix: Solid
Analysis Batch: 426772

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 426746

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

QC Sample Results

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-426721/1
Matrix: Solid
Analysis Batch: 426721

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

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

Lab Sample ID: 180-152100-2 DU
Matrix: Solid
Analysis Batch: 426721

Client Sample ID: SSHS-ISMP-NH37
Prep Type: Total/NA

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

GC/MS VOA

Leach Batch: 893733

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

Analysis Batch: 893965

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

Analysis Batch: 894085

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

GC/MS Semi VOA

Leach Batch: 893917

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

Prep Batch: 894256

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

Analysis Batch: 894335

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

GC Semi VOA

Prep Batch: 426989

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

Cleanup Batch: 427049

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

GC Semi VOA

Cleanup Batch: 427051

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

Analysis Batch: 427054

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

Metals

Leach Batch: 426984

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

Prep Batch: 427209

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

Prep Batch: 427231

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

Analysis Batch: 427286

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

Analysis Batch: 427469

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

Leach Batch: 893734

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

Metals

Prep Batch: 893864

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

Analysis Batch: 893903

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

Leach Batch: 893917

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

Prep Batch: 894059

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

Prep Batch: 894078

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

Analysis Batch: 894126

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

Analysis Batch: 894289

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

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-152100-1
Project/Site: Former Sperry Remington-Characterization

General Chemistry

Analysis Batch: 426721

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

Prep Batch: 426746

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

Analysis Batch: 426772

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

Prep Batch: 426866

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

Analysis Batch: 426898

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

Analysis Batch: 427021

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

Analysis Batch: 894300

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

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

Chain of Custody Record

Characterization

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: K. Kelly	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: Kathryn.Kelly@Eurofinset.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:

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

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCLP Volatiles	8270D - TCLP Semivolatiles	6010C/7470A - TCLP RCRA Metals	9034/9030B - Sulfide	9045D - pH	1030B - Ignitability	8082A - PCBs	9014 - Cyanide	Total Number of containers	Special In
			Preservation Code:				N	N	N	N	N	N	N	N		
SSHS-IRM5-MP1	2/15/23	1500	C	S	N	N			X						1	
SSHS-ISMP-NH37	2/15/23	1730	C	S	N	N	X	X	X	X	X	X	X	X	5	

180-152100 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		2/15/2023/1730			2/16/23 9:00 D. Dunlap 2/17/23	
2	Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
3	Relinquished by	Date/Time	Company	Received by:	Date/Time.	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

Characterization

eurofins Environment Testing TestAmerica

Client Information	Sampler: C Lamas	Lab PM: K. Kelly	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: Kathryn.Kelly@Eurofinset.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #: 152100

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

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCLP Volatiles	8270D - TCLP Semivolatiles	6010C/7470A - TCLP RCRA Metals	9034/9030B - Sulfide	9045D - pH	1030B - Ignitability	8082A - PCBs	9014 - Cyanide					Total Number of containers	Special Instructions/Note: (m^3)
			Preservation Code:				N	N	N	N	N	N	N	N						
SSHS-IRM5-MP1	2/15/23	1500	C	S	N	N			X										1	
SSHS-ISMP-NH37	2/15/23	1730	C	S	N	N	X	X	X	X	X	X	X	X					5	

SHORT HOLD

180-152100 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/15/2023/1730		Fedex	2/16/23 1030	ESA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: 1.1.VFE36 | Cooler Temperature(s) °C and Other Remarks: 4.4°C | 4.4°C

Ver: 01/16/2019

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2/28/2023

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 152100

Number of Coolers: 1 9

Cooler #1:

Cooler #2:

Cooler #3:

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: JA

Date: 2/16/23

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100
List Number: 2
Creator: Casallas, Angela C

List Source: Eurofins Edison
List Creation: 02/16/23 04:49 PM

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

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-152100-1

Login Number: 152100
List Number: 3
Creator: Casallas, Angela C

List Source: Eurofins Edison
List Creation: 02/16/23 04:59 PM

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

REPUBLIC SERVICES

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM

A. GENERATOR/CUSTOMER INFORMATION

1. Generator: UNISYS

2. Site Address: 777 SOUTH MAIN ST

City: ELMIRA **Phone:** (651) 635-7253

State: NY **Zip:** 14904 **Country:** USA

3. Mailing Address: 3199 PILOT KNOB ROAD

City: EAGAN

State: MN **Zip:** 55121 **Country:** USA

4. Technical Contact: Aron Krasnopoler

5. Phone: (410) 381-4333 **Email:** akrasnopoler@geosyntec.com

☐ **P.O. required for payment?** *If yes, include:*

8. Invoicing Company: REMEDIAL CONSTRUCTION SERVICES LP

9. Invoicing Address : 16825 NORTH CHASE DRIVE, STE #450

City: HOUSTON

State: TX **Zip:** 77064-9515 **Country:** USA

10. Customer Contact: LARRY ENDICOTT

11. Phone: (281) 955-2442 **Email:** larry.endicott@reconservices.com

6. Generator Status: ○ SQG ○ LQG ○ VSQG/CESQG *(If yes, complete Certification Supplement)* ○ Not Applicable

7. EPA ID #: NYR000231571 **NAICS CODE:** 611110 **State ID #:**

B. WASTE/MATERIAL STREAM

1. Common Name: Metals soil for treatment

2. Generating Process: See profile form - continuation (Generating Process) for full description

3. Source Code: G39 **Form Code:** W301

C. SHIPPING/PACKAGING INFORMATION

1. DOT Hazardous Materials? ◉ Yes ○ No **Proper Shipping Name:** Hazardous waste, solid, n.o.s.

2. Additional Description:

3. RQ: ◉ Yes ○ No **RQ Reason:** D008 **RQ Threshold:** 1 **UN/NA#:** NA3077

Packing Group: III **ERG#:** 171 **Hazard Class:** 9

4. DOT Special Permit? ○ Yes ◉ No **Permit #:**

5. 24-Hour Emergency Phone: **6. DOT Inhalation Hazard?** ○ Yes ◉ No

7. Container Type: ☑ Bulk ☐ Totes ☐ Pallet ☐ Boxes ☐ Drums ☐ Cylinder **Container size:** dt

☐ Lab Pack *(If 40 CFR 264.316/49 CFR 173.12(b) Lab Pack Inventory lists required)*

☐ Combination Containers *(e.g., inner containers)* **Describe:**

☐ Other, **Describe:**

8. Volume/Frequency: **Volume:** 2000 **Units:** Tons

Frequency: ○ Year ○ Quarterly ○ Monthly ○ 1 Time ◉ Other, **Describe:** As needed

D. PHYSICAL PROPERTIES

1. Physical Description *(e.g. soil, water, PPE, debris, sorbent, etc. Include 100% of container content. If debris, provide dimensions & weight.)*

Description	Typical (%)	Min (%)	Max (%)
Soil	95	85	100
Debris	2	0	10
Treatment reagent	5	0	10

2. Odor: ◉ None ○ Slight ○ Strong **Odor type:** ☐ Ammonia ☐ Amines ☐ Mercaptans ☐ Sulfur ☐ Organic Acid ☐ Other **Describe:**

3. Physical State: (at 70°F) ☑ Solid ☐ Dust/Powder ☐ Debris ☐ Sludge/Slurry ☐ Liquid ☐ Gas/Aerosol ☐ Varies

4. Color: BLACK/BROWN **5. Liquid phases:** ○ Single ○ Double Layer ○ Multi-layer ◉ N/A

6. Is it solid using the paint filter test? *(40 CFR Part 264.314(b))* ◉ Yes (Solid) ○ No (Not Solid)

Is there a possibility of incidental liquids from transportation? ○ Yes ◉ No

7. pH: (If solid, provide estimated pH if mixed 50:50 with water) ☐ <=2 ☐ 2.1 - 4.9 ☑ 5 - 10 ☑ 10.1 - 12.4 ☑ >=12.5

8. Flash Point: °F and/or ☐ <90 °F ☐ 90 - 139 °F ☐ 140 - 199 °F ☑ >=200 °F ☐ Does not flash ☐ Flammable solid

BTU/lb. Value: and/or ○ <5000 BTU ○ >=5000 BTU

9. Are there any known handling/treatment issues involving this material? *(i.e. Describe whether the waste stream has ever been the direct or suspected cause of a fire or other reaction, and whether there are any specific controls you use to prevent any adverse reactions?)* ○ Yes ◉ No

E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. Robstown Facility Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	D008									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's, TRI Section 313 chemicals, OSHA Hazardous Materials, PFAS Constituents, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Acenaphthylene	mg/kg	○	◉	0.03	0.03	0.056	☐	☐
Acenaphthene	mg/kg	○	◉	0	0	0.41	☐	☐
Acetone	mg/kg	○	◉	0.032	0.032	0.045	☐	☐
Anthracene	mg/kg	○	◉	0.037	0.037	0.34	☐	☐
Benz(a)anthracene	mg/kg	○	◉	0.15	0.15	1.2	☐	☐
Benzo(a)pyrene	mg/kg	○	◉	0.16	0.16	0.21	☐	☐
Benzo(b)fluoranthene	mg/kg	○	◉	0.18	0.18	0.22	☐	☐
Benzo(K)fluoranthene	mg/kg	○	◉	0.12	0.12	0.13	☐	☐
Benzo(g,h,i)perylene	mg/kg	○	◉	0.14	0.14	0.17	☐	☐
Carbon disulfide	mg/kg			0	0	0.0083		

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:** **Describe:**	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	◉ Yes ○ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No
21. Ammonia/Ammonia Compounds:	○ Yes ◉ No	**22. Per-and Polyfluoroalkyl Substances (PFAS):**	○ Yes ○ No

23. Asbestos: ○ Yes ◉ **No**

24. Hazardous Secondary Material: ○ Yes ◉ No

25. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ◉ No ○ N/A

Profile ID: 679553

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* (●) <500 ppmw ( ) ≥500 ppmw

2. Has the material been treated after the initial point of generation? (●) Yes ( ) No If yes,Describe: Material was treated insitu

3. If RCRA Hazardous:

- ( ) Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- (●) Non-wastewater TSS/TOC>WW
- (●) Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ( ) Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - [ ] I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - [ ] I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ( ) Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ( ) Yes (●) No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

[ ] Yes [x] No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? (●) Yes ( ) No

2. Requested Technology: Stabilization RCRA

3. Thermal Processing: ( ) Yes (●) No

4. Other specific restrictions requested:

5. Requested Facility:

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize Republic Services personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. Republic Services may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize Republic Services personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by Republic Services. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Print Name:	Terry Etter	**Signature:**	Terry Etter
Title:	Project Manager		
Date:	10/31/23	**Company:**	Unisys Corporation

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process:

Remediation waste generated for the former Sperry Remington site in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the Elmira site from 1937 to 1972. No Herb Pest UHCs present based on site history and previous analysis. No sources of contamination are known, thus no listed codes apply. Manufacturing Operations included:

- Coal Fired Power Plant
- Foundry
- Oil Water Separators
- Cyanide Heat Treating
- Machining of Parts
- Plating
- Degreasing

No PFAS knowledge in this area.

WASTE MATERIAL PROFILE FORM - CONTINUATION (Chemical)

E. CHARACTERIZATION & CHEMICAL COMPOSITION

4. Chemical Composition:

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Carbon disulfide	mg/kg	○	◉	0	0	0.0083	☐	☐
Chloroform	mg/kg	○	◉	0	0	0.0027	☐	☐
Chrysene	mg/kg	○	◉	0.2	0.2	2.7	☐	☐
Fluoranthene	mg/kg	○	◉	0.24	0.038	0.44	☐	☐
Fluorene	mg/kg	○	◉	0	0	0.54	☐	☐
Indeno(1.2.3-c,d)pyrene	mg/kg	○	◉	0.11	0.11	0.14	☐	☐
Methylene Chloride	mg/kg	○	◉	0	0	0.0075	☐	☐
Methyl ethyl Ketone	mg/kg	○	◉	0	0	0.014	☐	☐
Naphthalene	mg/kg	○	◉	0	0	0.4	☐	☐
Phenanthrene	mg/kg	○	◉	0.18	0.18	2.5	☐	☐
Pyrene	mg/kg	○	◉	0.25	0.25	1.5	☐	☐
Arsenic	mg/kg	○	◉	0.01	0	17	☐	☐
Barium	mg/kg	○	◉	1.3	0	840	☐	☐
Beryllium	mg/kg	○	◉	0	0	0.38	☐	☐
Cadmium	mg/kg	○	◉	0.0013	0	3	☐	☐
Chromium	mg/kg	○	◉	0.037	0	66	☐	☐
Cyanides (Total)	mg/kg	○	◉	0	0	17	☐	☐
Lead	mg/kg	○	◉	23	0	9600	☐	☑
Mercury (all others)	mg/kg	○	◉	0	0	0.079	☐	☐
Nickel	mg/kg	○	◉	0	0	890	☐	☐
Selenium	mg/kg	○	◉	0	0	3.2	☐	☐
Silver	mg/kg	○	◉	0	0	0.48	☐	☐
Vanadium	mg/kg	○	◉	0	0	14	☐	☐
Zinc**	mg/kg	○	◉	0	0	1200	☐	☐
Copper	mg/kg	○	◉	0	0	5200	☐	☐
Dibenzofuran	mg/kg	○	◉	0	0	0.34	☐	☐
2-Methylnaphthalene	mg/kg	○	◉	0.021	0.021	0.55	☐	☐
Manganese	mg/kg	○	◉	0	0	810	☐	☐
magnesium	mg/kg	○	◉	0	0	1800	☐	☐
cobalt	mg/kg	○	◉	0	0	6.6	☐	☐
1,2,4 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0086	☐	☐
1,3,5 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0039	☐	☐
Polychlorinated biphenyls	mg/kg	○	◉	0	0	49	☐	☐
Aluminum	mg/kg	○	◉	0	0	9300	☐	☐

REPUBLIC SERVICES

Profile ID : 679553

LAND DISPOSAL RESTRICTION FORM (From Question G3)

GENERATOR INFORMATION

1. Generator:	UNISYS	**2. EPA ID Number:**	NYR000231571

5. Waste is a: ○ Wastewater (<1% TSS & TOC) ◉ Non-wastewater ○ Debris

6. Notification Frequency: ○ One Time ◉ Required with Each Shipment

7. Shipment EPA Waste Codes: D008

8. UHC's: *(Underlying Hazardous Constituents 40 CFR 268.48)?* ○ Yes ◉ No

(If yes. list constituents):

9. Does a subcategory apply per 40 CFR 268.40? ○ Yes ◉ No

(If yes, select subcategory):

10. Constituents requiring treatment in F001-5, F039, debris, and alternate soils? ◉ Yes ○ No

(*If yes, list):*

Requires Treatment

◉ **Waste Subject To Treatment (40 CFR 268.7(a) (2))**

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable Prohibitions set forth in Part 268.32 or RCRA Section 3004(d) and 268.49 (c).

If applicable, under 268.49, this contaminated soil ○ does or ◉ does not contain listed hazardous waste and ◉ does or ○ does not exhibit a characteristic of hazardous waste and is subject to the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

○ **Hazardous Debris Subject To Treatment (40 CFR 268.45)**

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

○ **Waste De-characterized But Requires Treatment For UHC (40 CFR 268.7 (b) (4) (iv))**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic.This de-characterized waste contains Underlying Hazardous Constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification,including the possibility of a fine and imprisonment.

Waste Meets Treatment Standards

○ **Waste Meets Treatment Standards (40 CFR 268.7(a) (3))**

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR268.49 and can be landfill disposed without further treatment.

If applicable, under 268.49, this contaminated soil ○ does or ○ does not contain listed hazardous waste and ○ does or ○ does not exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

○ **Waste Treated To Treatment Standards (40 CFR 268.7(b) (I) & 268.7 (b) (2))**

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or Extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

○ **Waste Soil treated to alternative standards (40 CFR 268.7 (b) (4))**

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be Managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Print Name:		Signature:		Title:		Date:	

REPUBLIC SERVICES

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM

PCB Supplement (From Section F8)

PCB Information

1. What is the concentration of PCB's in the waste? ☑ <10ppm ☑ 10-49ppm ☐ 50-499ppm ☐ ≥500ppm

2. Does the waste contain PCB contamination from a known source with a concentration ≥ 50ppm (TSCA Regulated source)?

(e.g., a known spill or leak of oil ≥50ppm) ○ Yes ○ No ◉ Unknown

3. Is the waste regulated for disposal under 40 CFR Part 761 (TSCA) for PCBs? ○ Yes ◉ No

(If yes, continuation/control sheet per 40 CFR Part 761.207 required with shipment)

4. Has this waste been processed into a non-liquid form? ○ Yes ◉ No

(If yes, what was the concentration of PCB's prior to the processing)

*****If indicated concentration is "<10ppm" or "10-49ppm," and is not from a Regulated PCB/TSCA source, stop here.*****

Waste Containing Small Capacitors

5. Generator is/was a manufacturer of PCB capacitors of PCB equipment? *40 CFR Part 761.60(b)(2)(iv)* ○ Yes ◉ No

6. Is this waste defined as a PCB Article intended for disposal in a TSCA chemical waste landfill? 40 CFR Part 761.3 ○ Yes ◉ No

(If yes, has the PCB article been drained and flushed in accordance with 40 CFR Part 761.60 (b) standards?) ○ Yes ◉ No

From: Addie Burden <Addie.Burden@usecology.com>
Sent: Tuesday, June 15, 2021 7:55 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Ian Masone <IMasone@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Larry Endicott <larry.endicott@reconservices.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Subject: RE: IRM5 Contaminated Soil - RCRA Approval

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

Approved under - C210041MDI
Thank you,
Addie

Addie Burden
Coordinator, Approvals 2

addie.burden@usecology.com
p: 734.699.6238 |

49350 N. 1-94 Belleville, Michigan 48111

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Tuesday, June 15, 2021 7:39 AM
To: Addie Burden <Addie.Burden@usecology.com>
Cc: Ian Masone <IMasone@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Larry Endicott <larry.endicott@reconservices.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Subject: IRM5 Contaminated Soil - RCRA Approval

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

This email came from an external source, please take caution when interacting with it.

Good Morning Addie,

Please see the attached lab report for IRM5-NH69, which failed for lead at 35 mg/L.

We are requesting the approval of approximately 500 tons to be shipped as RCRA (profile C).

Please note IRM5-NH70, IRM5-NH71, and IMR5-NH72 are also included in the report and are not included in this request.

Thank you!

Miranda Stelmach
Senior Staff Professional

Geosyntec Consultants
111 N. Broadway, Suite C
Green Bay, WI 54303
Phone: 920.393.8498
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Courtney Housholder <Courtney.Housholder@usecology.com>
Sent: Tuesday, August 16, 2022 2:45 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Theresa Gorman <Theresa.Gorman@usecology.com>
Subject: RE: IRM5A2 Profile B Request

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Hello,

The approval has been updated with the analysis you provided, but the approval is currently expired. I have attached an updated WCR form. Please review and have the generator sign and return.

Thanks,

Courtney Housholder
Approvals Coordinator

courtney.housholder@usecology.com
p: 734.699.6287



From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Tuesday, August 16, 2022 9:16 AM
To: Courtney Housholder <Courtney.Housholder@usecology.com>
Cc: Mark Baron <Mark.Baron@usecology.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>
Subject: IRM5A2 Profile B Request

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Good Morning Courtney,

Attached are analytical reports for a confirmation sample collected post excavation which indicated higher concentrations for lead at 9,600 mg/kg. Sample ID is listed as S400. We had the lab run TCLP on the higher lead sample which did not pass and was reported at 57 mg/L. Estimated quantity is 500 tons

however; post excavation sampling once removed will determine if additional material will need to be excavated as RCRA and added to this approval.

Please let me know if you need any additional information.

Thanks,

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com



From: Housholder, Courtney
To: Miranda Stelmach
Cc: Theresa Gabris; Mark Baron - US Ecology; Lawrence Endicott
Subject: RE: Request for Approval Under Profile C- C210041MDI
Date: Tuesday, October 31, 2023 3:26:31 PM
Attachments: image001.png

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Hello,

This approval has been updated and the new area approved.

Thanks,

Courtney Housholder
Waste Disposal Coordinator

CHousholder@republicservices.com
p: 734.699.6287

49350 N I94 Service Drive
Belleville MI 48111



Sustainability in Action

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Tuesday, October 31, 2023 10:10 AM
To: Housholder, Courtney <CHousholder@republicservices.com>; Courtney Housholder - US Ecology <Courtney.Housholder@usecology.com>
Cc: Theresa Gabris <tgabris@Geosyntec.com>; Mark Baron - US Ecology <Mark.Baron@usecology.com>; Lawrence Endicott <larry.endicott@keller-na.com>
Subject: RE: Request for Approval Under Profile C- C210041MDI

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Report Suspicious

Good Morning Courtney,

Attached is the signed profile form.

We are confirming that this new area is only a concern for lead. No other UHC's apply.

Thanks,

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

Geosyntec consultants
engineers | scientists | innovators

From: Housholder, Courtney <CHousholder@republicservices.com>
Sent: Tuesday, October 31, 2023 8:19 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Courtney Housholder - US Ecology <Courtney.Housholder@usecology.com>
Cc: Theresa Gabris <tgabris@Geosyntec.com>; Mark Baron - US Ecology <Mark.Baron@usecology.com>; Lawrence Endicott <larry.endicott@keller-na.com>
Subject: RE: Request for Approval Under Profile C- C210041MDI

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Hello,

Attached is the updated profile for this approval since it is expired. Please review, sign, and return to me.

Please confirm that in this new area the only concern is lead and no other UHC's apply.

Thanks,

Courtney Housholder
Waste Disposal Coordinator

CHousholder@republicservices.com
p: 734.699.6287

49350 N I94 Service Drive
Belleville MI 48111

REPUBLIC SERVICES
Sustainability in Action

From: Miranda Stelmach <MStelmach@Geosyntec.com>
Sent: Monday, October 30, 2023 9:12 AM
To: Courtney Housholder - US Ecology <Courtney.Housholder@usecology.com>
Cc: Theresa Gabris <tgabris@Geosyntec.com>; Mark Baron - US Ecology <Mark.Baron@usecology.com>;

Lawrence Endicott <larry.endicott@keller-na.com>
Subject: Request for Approval Under Profile C- C210041MDI

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Good Morning Courtney,

We have received analytical results for samples collected on the Elmira project, in which one sample location has been identified as being RCRA for lead on ECSD property (A8PH3-B28). All other samples on the attached report which have "S" in the sample ID are sidewall samples and are considered off property and cannot be excavated at this time. This bottom sample is located along the eastern property line and are not associated with a specific findings (i.e, structure) or identifiable/specific historical process on this site.

We would like to start the approval process for this location under profile C (C21004MDI). I have included Larry as I believe we will need to update/renew profiles to then begin scheduling this material for shipment. Our records show the last time we shipped RCRA material under profile C was 9/8/2022. We would be looking to ship between 50-100 tons under this profile.

Please let me know if you have any other questions.

Thanks!

Miranda Stelmach
Professional

Geosyntec Consultants
Cell: 920.676.4194
mstelmach@geosyntec.com
www.geosyntec.com

Geosyntec consultants

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E. CHARACTERIZATION & CHEMICAL COMPOSITION (See Continuation for E.6)

1. Robstown Facility Customers - Waste/Material Type: ○ Industrial ○ Non-Industrial ○ N/A **TX State Code:**

Pennsylvania Residual Waste: ○ Yes ◉ No **PA State Code (s):**

2. State Waste Codes:	None									
3. RCRA Waste Codes:	D008									

If None, is it exempt from the definition of "Solid Waste" or "Hazardous Waste"? ○ Yes ◉ No

4. If F006-F009, F012, or F019, are Cyanides used in the process? ○ Yes ◉ No (If yes, Total and Amenable CN (9010/9012) analysis required)

5. Knowledge is from: ☑ Lab analysis *(requires attachment)* ☐ SDS/MSDS *(requires attachment)* ☑ Process/generator knowledge

6. Chemical Composition *(include all applicable UHC's, TRI Section 313 chemicals, OSHA Hazardous Materials, PFAS Constituents, etc.)*

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Acenaphthylene	mg/kg	○	◉	0.03	0.03	0.056	☐	☐
Acenaphthene	mg/kg	○	◉	0	0	0.41	☐	☐
Acetone	mg/kg	○	◉	0.032	0.032	0.045	☐	☐
Anthracene	mg/kg	○	◉	0.037	0.037	0.34	☐	☐
Benz(a)anthracene	mg/kg	○	◉	0.15	0.15	1.2	☐	☐
Benzo(a)pyrene	mg/kg	○	◉	0.16	0.16	0.21	☐	☐
Benzo(b)fluoranthene	mg/kg	○	◉	0.18	0.18	0.22	☐	☐
Benzo(K)fluoranthene	mg/kg	○	◉	0.12	0.12	0.13	☐	☐
Benzo(g,h,i)perylene	mg/kg	○	◉	0.14	0.14	0.17	☐	☐
Carbon disulfide	mg/kg			0	0	0.0083		

F. ADDITIONAL PROPERTIES

1. Explosive:	○ Yes ◉ No	**2. Reactive Sulfides :** **ppm**	○ Yes ◉ No
3. Shock Sensitive:	○ Yes ◉ No	**4. Reactive Cyanides:** **ppm**	○ Yes ◉ No
5. Radioactive:	○ Yes ◉ No	**6. Reactive Other:** **Describe:**	○ Yes ◉ No
7. Medical/Infectious/Biohazard Waste:	○ Yes ◉ No	**8. Polychlorinated Biphenyls (PCB):**	◉ Yes ○ No
9. Dioxins and/or Furans:	○ Yes ◉ No	**10. Metal Fines/Powder/Paste:**	○ Yes ◉ No
11. Pyrophoric:	○ Yes ◉ No	**12. Temperature Controlled:**	○ Yes ◉ No
13. Thermally Unstable:	○ Yes ◉ No	**14. Biodegradable Sorbents:**	○ Yes ◉ No
15. Compressed Gas:	○ Yes ◉ No	**16. Used Oil:**	○ Yes ◉ No
17. Oxidizer:	○ Yes ◉ No	**18. Tires:**	○ Yes ◉ No
19. Organic Peroxide:	○ Yes ◉ No	**20. Beryllium:**	○ Yes ◉ No
21. Ammonia/Ammonia Compounds:	○ Yes ◉ No	**22. Per-and Polyfluoroalkyl Substances (PFAS):**	○ Yes ○ No

23. Asbestos: ○ Yes ◉ **No**

24. Hazardous Secondary Material: ○ Yes ◉ No

25. Are pharmaceutical wastes profiled under this approval subject to a prescription? ○ Yes ◉ No ○ N/A

Profile ID: 679553

G. REGULATORY INFORMATION

1. Volatile Organic Concentration: *(Per 40 CFR Part 264.1083 & 265.1084)* (●) <500 ppmw ( ) ≥500 ppmw

2. Has the material been treated after the initial point of generation? (●) Yes ( ) No If yes,Describe: Material was treated insitu

3. If RCRA Hazardous:

- ( ) Wastewater WW=<1% TSS & TOC; 40 CFR Part 268.2
- (●) Non-wastewater TSS/TOC>WW
- (●) Alternative Treatment Standards for soil? > 50% soil; 40 CFR Part 268.49
- ( ) Alternative Treatment Standards for debris? 40 CFR Part 268.2(g) & (h); >50% of waste is >2.5 inch size
  - [ ] I confirm debris cannot reasonably be separated from non-debris by simple physical or mechanical means
  - [ ] I confirm debris has not been mixed/diluted with non-debris as prohibited in 40 CFR Part 268.3
- ( ) Waste meets LDR Treatment Standards

4. Treatment subcategory: *(if applicable)*

5. Is the site or waste/material, subject to NESHAP/MACT standard(s)? ( ) Yes (●) No

6. Is the waste/material RCRA Hazardous containing Benzene and originating at a petroleum refinery (SIC 2911), chemical manufacturing plant (SIC 2800 thru 2899) or Coke by-product recovery plant (SIC 3312)?

[ ] Yes [x] No *(If yes,complete the Benzene Waste Operations Supplement and if applicable the Thermal Supplement)*

H. GENERATOR'S CERTIFICATION

1. Is a specific facility or treatment technology requested? (●) Yes ( ) No

2. Requested Technology: Stabilization RCRA

3. Thermal Processing: ( ) Yes (●) No

4. Other specific restrictions requested:

5. Requested Facility:

Certificate Statement:

I certify that all information (including attachments) is complete, factual and is an accurate representation of the known and suspected hazards pertaining to waste/material described herein. I authorize Republic Services personnel to add supplemental information to the Waste/Material Profile Form, provided I am contacted and grant permission to do so. Republic Services may require re-submittal of the Waste/Material Profile Form if substantial changes are determined necessary. I authorize Republic Services personnel to obtain a sample from any waste/material shipment for purposes of verification and confirmation and understand that waste/material that does not conform to specifications described in this Waste/Material Profile Form may be rejected by Republic Services. I certify that I am familiar with the waste/material described herein through analysis and/or process knowledge and that all information provided is true, accurate, representative and complete and that this Waste/Material Profile Form was completed in accordance with the instructions provided.

If I am an agent acting on behalf of the generator, I also certify that I have permission to sign any and all waste/material characterization paperwork on the generator's behalf and that I can produce such certification in writing upon request.

Print Name:	Terry Etter	**Signature:**	Terry Etter
Title:	Project Manager		
Date:	10/31/23	**Company:**	Unisys Corporation

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM - CONTINUATION (Generating Process)

B. WASTE/MATERIAL STREAM

2. Generating Process:

Remediation waste generated for the former Sperry Remington site in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the Elmira site from 1937 to 1972. No Herb Pest UHCs present based on site history and previous analysis. No sources of contamination are known, thus no listed codes apply. Manufacturing Operations included:

- Coal Fired Power Plant
- Foundry
- Oil Water Separators
- Cyanide Heat Treating
- Machining of Parts
- Plating
- Degreasing

No PFAS knowledge in this area.

WASTE MATERIAL PROFILE FORM - CONTINUATION (Chemical)

E. CHARACTERIZATION & CHEMICAL COMPOSITION

4. Chemical Composition:

Constituent	Units	TCLP	Totals	Typical	Min	Max	UHC	Exceeds LDR
Carbon disulfide	mg/kg	○	◉	0	0	0.0083	☐	☐
Chloroform	mg/kg	○	◉	0	0	0.0027	☐	☐
Chrysene	mg/kg	○	◉	0.2	0.2	2.7	☐	☐
Fluoranthene	mg/kg	○	◉	0.24	0.038	0.44	☐	☐
Fluorene	mg/kg	○	◉	0	0	0.54	☐	☐
Indeno(1.2.3-c,d)pyrene	mg/kg	○	◉	0.11	0.11	0.14	☐	☐
Methylene Chloride	mg/kg	○	◉	0	0	0.0075	☐	☐
Methyl ethyl Ketone	mg/kg	○	◉	0	0	0.014	☐	☐
Naphthalene	mg/kg	○	◉	0	0	0.4	☐	☐
Phenanthrene	mg/kg	○	◉	0.18	0.18	2.5	☐	☐
Pyrene	mg/kg	○	◉	0.25	0.25	1.5	☐	☐
Arsenic	mg/kg	○	◉	0.01	0	17	☐	☐
Barium	mg/kg	○	◉	1.3	0	840	☐	☐
Beryllium	mg/kg	○	◉	0	0	0.38	☐	☐
Cadmium	mg/kg	○	◉	0.0013	0	3	☐	☐
Chromium	mg/kg	○	◉	0.037	0	66	☐	☐
Cyanides (Total)	mg/kg	○	◉	0	0	17	☐	☐
Lead	mg/kg	○	◉	23	0	9600	☐	☑
Mercury (all others)	mg/kg	○	◉	0	0	0.079	☐	☐
Nickel	mg/kg	○	◉	0	0	890	☐	☐
Selenium	mg/kg	○	◉	0	0	3.2	☐	☐
Silver	mg/kg	○	◉	0	0	0.48	☐	☐
Vanadium	mg/kg	○	◉	0	0	14	☐	☐
Zinc**	mg/kg	○	◉	0	0	1200	☐	☐
Copper	mg/kg	○	◉	0	0	5200	☐	☐
Dibenzofuran	mg/kg	○	◉	0	0	0.34	☐	☐
2-Methylnaphthalene	mg/kg	○	◉	0.021	0.021	0.55	☐	☐
Manganese	mg/kg	○	◉	0	0	810	☐	☐
magnesium	mg/kg	○	◉	0	0	1800	☐	☐
cobalt	mg/kg	○	◉	0	0	6.6	☐	☐
1,2,4 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0086	☐	☐
1,3,5 - Trimethylbenzene	mg/kg	○	◉	0	0	0.0039	☐	☐
Polychlorinated biphenyls	mg/kg	○	◉	0	0	49	☐	☐
Aluminum	mg/kg	○	◉	0	0	9300	☐	☐

REPUBLIC SERVICES

Profile ID : 679553

LAND DISPOSAL RESTRICTION FORM (From Question G3)

GENERATOR INFORMATION

1. Generator:	UNISYS	**2. EPA ID Number:**	NYR000231571

5. Waste is a: ○ Wastewater (<1% TSS & TOC) ◉ Non-wastewater ○ Debris

6. Notification Frequency: ○ One Time ◉ Required with Each Shipment

7. Shipment EPA Waste Codes: D008

8. UHC's: *(Underlying Hazardous Constituents 40 CFR 268.48)?* ○ Yes ◉ No

(If yes. list constituents):

9. Does a subcategory apply per 40 CFR 268.40? ○ Yes ◉ No

(If yes, select subcategory):

10. Constituents requiring treatment in F001-5, F039, debris, and alternate soils? ◉ Yes ○ No

(*If yes, list):*

Requires Treatment

◉ **Waste Subject To Treatment (40 CFR 268.7(a) (2))**

The restricted waste identified above must be treated to the applicable treatment standards in 40 CFR 268.40, or treated to comply with applicable Prohibitions set forth in Part 268.32 or RCRA Section 3004(d) and 268.49 (c).

If applicable, under 268.49, this contaminated soil ○ does or ◉ does not contain listed hazardous waste and ◉ does or ○ does not exhibit a characteristic of hazardous waste and is subject to the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

○ **Hazardous Debris Subject To Treatment (40 CFR 268.45)**

This hazardous debris identified above must be treated to the alternative treatment standards in 40 CFR 268.45.

○ **Waste De-characterized But Requires Treatment For UHC (40 CFR 268.7 (b) (4) (iv))**

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic.This de-characterized waste contains Underlying Hazardous Constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification,including the possibility of a fine and imprisonment.

Waste Meets Treatment Standards

○ **Waste Meets Treatment Standards (40 CFR 268.7(a) (3))**

The restricted waste identified above meets the treatment standards in 40 CFR 268.40 or Alternative LDR treatment standards for contaminated soil 40 CFR268.49 and can be landfill disposed without further treatment.

If applicable, under 268.49, this contaminated soil ○ does or ○ does not contain listed hazardous waste and ○ does or ○ does not exhibit a characteristic of hazardous waste and complies with the soil treatment standards as provided by 268.49 (c) or the universal treatment standards.

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

○ **Waste Treated To Treatment Standards (40 CFR 268.7(b) (I) & 268.7 (b) (2))**

The treatment residue, or extract of such residue, or the restricted waste identified above has been tested to assure that the treatment residues or Extract meet all applicable treatment standards in 40 CFR 268.40 and/or performance standards in 40 CFR 268.45

I certify under penalty of law that I personally have examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

○ **Waste Soil treated to alternative standards (40 CFR 268.7 (b) (4))**

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.

I certify and warrant that the information that appears on this form, and appended documents, is true and correct. I have correctly indicated how my waste is to be Managed in accordance with 40 CFR 268. My certification is based on personal examination of the information submitted, or is based on my inquiries of those individuals responsible for obtaining the information.

Print Name:		Signature:		Title:		Date:	

REPUBLIC SERVICES

Profile ID: 679553

WASTE/MATERIAL PROFILE FORM

PCB Supplement (From Section F8)

PCB Information

1. What is the concentration of PCB's in the waste? ☑ <10ppm ☑ 10-49ppm ☐ 50-499ppm ☐ ≥500ppm

2. Does the waste contain PCB contamination from a known source with a concentration ≥ 50ppm (TSCA Regulated source)?

(e.g., a known spill or leak of oil ≥50ppm) ○ Yes ○ No ◉ Unknown

3. Is the waste regulated for disposal under 40 CFR Part 761 (TSCA) for PCBs? ○ Yes ◉ No

(If yes, continuation/control sheet per 40 CFR Part 761.207 required with shipment)

4. Has this waste been processed into a non-liquid form? ○ Yes ◉ No

(If yes, what was the concentration of PCB's prior to the processing)

*****If indicated concentration is "<10ppm" or "10-49ppm," and is not from a Regulated PCB/TSCA source, stop here.*****

Waste Containing Small Capacitors

5. Generator is/was a manufacturer of PCB capacitors of PCB equipment? *40 CFR Part 761.60(b)(2)(iv)* ○ Yes ◉ No

6. Is this waste defined as a PCB Article intended for disposal in a TSCA chemical waste landfill? 40 CFR Part 761.3 ○ Yes ◉ No

(If yes, has the PCB article been drained and flushed in accordance with 40 CFR Part 761.60 (b) standards?) ○ Yes ◉ No

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/19/2023 4:07:14 PM

JOB DESCRIPTION

Former Sperry Remington-Characterization

JOB NUMBER

180-161937-4

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Case Narrative

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Job ID: 180-161937-4

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161937-4

Comments
Notation was made to the COC regarding changes to the field duplicate sample IDs.

TCLP RCRA metals analysis was requested on five samples on 10/10/23. The TCLP mercury analysis was to be completed even though the TCLP leaching holding time for the mercury was past.

Receipt
The samples were received on 9/7/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 1.4º C, 2.1º C, 2.4º C, 2.7º C, 4.0º C, 4.3º C and 5.3º C.

Metals
Method 7470A: The TCLP leaching for the following samples was completed 9 days past the 28 day holding time for TCLP mercury analysis. SSHS-IRM5A2-A8PH3-S52 (180-161937-2), SSHS-IRM5A2-A8PH3-S53 (180-161937-3), SSHS-IRM5A2-DUP316 (180-161937-4), SSHS-IRM5A2-A8PH3-S54 (180-161937-5), and SSHS-IRM5A2-A8PH3-B28 (180-161937-19).

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Qualifiers

Metals

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Laboratory: Eurofins Pittsburgh

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

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

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161937-2	SSHS-IRM5A2-A8PH3-S52	Solid	09/06/23 13:05	09/07/23 10:26
180-161937-3	SSHS-IRM5A2-A8PH3-S53	Solid	09/06/23 13:10	09/07/23 10:26
180-161937-4	SSHS-IRM5A2-DUP316	Solid	09/06/23 00:00	09/07/23 10:26
180-161937-5	SSHS-IRM5A2-A8PH3-S54	Solid	09/06/23 13:15	09/07/23 10:26
180-161937-19	SSHS-IRM5A2-A8PH3-B28	Solid	09/06/23 14:20	09/07/23 10:26

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Method	Method Description	Protocol	Laboratory
EPA 6010D	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-A8PH3-S52
Lab Sample ID: 180-161937-2
Date Collected: 09/06/23 13:05
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.21 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449139	10/16/23 07:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			449498	10/17/23 13:19	AAS	EET PIT
	Instrument ID: Q									
TCLP	Leach	EPA 1311			100.21 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449164	10/13/23 12:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449363	10/16/23 10:34	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S53
Lab Sample ID: 180-161937-3
Date Collected: 09/06/23 13:10
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.51 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449139	10/16/23 07:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			449498	10/17/23 13:24	AAS	EET PIT
	Instrument ID: Q									
TCLP	Leach	EPA 1311			100.51 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449164	10/13/23 12:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449363	10/16/23 10:35	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-DUP316
Lab Sample ID: 180-161937-4
Date Collected: 09/06/23 00:00
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.42 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449139	10/16/23 07:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			449498	10/17/23 13:29	AAS	EET PIT
	Instrument ID: Q									
TCLP	Leach	EPA 1311			100.42 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449164	10/13/23 12:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449363	10/16/23 10:36	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-S54
Lab Sample ID: 180-161937-5
Date Collected: 09/06/23 13:15
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.57 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449139	10/16/23 07:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			449498	10/17/23 13:45	AAS	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-A8PH3-S54
Lab Sample ID: 180-161937-5
Date Collected: 09/06/23 13:15
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.57 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449164	10/13/23 12:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449363	10/16/23 10:37	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-A8PH3-B28
Lab Sample ID: 180-161937-19
Date Collected: 09/06/23 14:20
Matrix: Solid
Date Received: 09/07/23 10:26

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			100.65 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	449139	10/16/23 07:58	SJM	EET PIT
TCLP	Analysis	EPA 6010D		1			449498	10/17/23 13:50	AAS	EET PIT
	Instrument ID: Q									
TCLP	Leach	EPA 1311			100.65 g	2000 mL	448944	10/11/23 12:37	MTM	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	449164	10/13/23 12:00	MTW	EET PIT
TCLP	Analysis	EPA 7470A		1			449363	10/16/23 10:41	MTW	EET PIT
	Instrument ID: HGZ									

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

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Leach

MTM = Matthew McGhee

Batch Type: Prep

MTW = Michael Wesoloski

SJM = Shannon Mueller

Batch Type: Analysis

AAS = Ariana Swick

MTW = Michael Wesoloski

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-A8PH3-S52
Lab Sample ID: 180-161937-2
Date Collected: 09/06/23 13:05
Matrix: Solid
Date Received: 09/07/23 10:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:19	1
Barium	**0.98**	**J**	2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:19	1
Cadmium	**0.0054**	**J**	0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:19	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:19	1
Lead	**0.47**	**J**	0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:19	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:19	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:34	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S53
Lab Sample ID: 180-161937-3
Date Collected: 09/06/23 13:10
Matrix: Solid
Date Received: 09/07/23 10:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:24	1
Barium	**1.0**	**J**	2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:24	1
Cadmium	**0.0036**	**J**	0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:24	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:24	1
Lead	**14**		0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:24	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:24	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:35	1

Client Sample ID: SSHS-IRM5A2-DUP316
Lab Sample ID: 180-161937-4
Date Collected: 09/06/23 00:00
Matrix: Solid
Date Received: 09/07/23 10:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:29	1
Barium	**2.0**		2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:29	1
Cadmium	**0.0043**	**J**	0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:29	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:29	1
Lead	**13**		0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:29	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:29	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:36	1

Client Sample ID: SSHS-IRM5A2-A8PH3-S54

Lab Sample ID: 180-161937-5

Date Collected: 09/06/23 13:15

Matrix: Solid

Date Received: 09/07/23 10:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:45	1
Barium	**0.66**	**J**	2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:45	1
Cadmium	**0.010**	**J**	0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:45	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:45	1
Lead	**0.65**		0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:45	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:45	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:37	1

Client Sample ID: SSHS-IRM5A2-A8PH3-B28

Lab Sample ID: 180-161937-19

Date Collected: 09/06/23 14:20

Matrix: Solid

Date Received: 09/07/23 10:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:50	1
Barium	**2.3**		2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:50	1
Cadmium	**0.077**	**J**	0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:50	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:50	1
Lead	**12**		0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:50	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:50	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:41	1

Method: EPA 6010D - Metals (ICP)

Lab Sample ID: MB 180-449139/1-A
Matrix: Solid
Analysis Batch: 449498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 449139

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0083	mg/L		10/16/23 07:58	10/17/23 13:03	1
Barium	ND		0.20	0.0063	mg/L		10/16/23 07:58	10/17/23 13:03	1
Cadmium	ND		0.050	0.00030	mg/L		10/16/23 07:58	10/17/23 13:03	1
Chromium	ND		0.050	0.0016	mg/L		10/16/23 07:58	10/17/23 13:03	1
Lead	ND		0.050	0.0044	mg/L		10/16/23 07:58	10/17/23 13:03	1
Selenium	ND		0.050	0.0037	mg/L		10/16/23 07:58	10/17/23 13:03	1
Silver	ND		0.050	0.00091	mg/L		10/16/23 07:58	10/17/23 13:03	1

Lab Sample ID: LCS 180-449139/2-A
Matrix: Solid
Analysis Batch: 449498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449139

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	0.939		mg/L		94	80 - 120
Barium	1.00	0.965		mg/L		97	80 - 120
Cadmium	0.500	0.464		mg/L		93	80 - 120
Chromium	0.500	0.479		mg/L		96	80 - 120
Lead	0.500	0.467		mg/L		93	80 - 120
Selenium	1.00	0.922		mg/L		92	80 - 120
Silver	0.250	0.242		mg/L		97	80 - 120

Lab Sample ID: LB 180-448944/1-B
Matrix: Solid
Analysis Batch: 449498

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 449139

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.083	mg/L		10/16/23 07:58	10/17/23 13:13	1
Barium	ND		2.0	0.063	mg/L		10/16/23 07:58	10/17/23 13:13	1
Cadmium	ND		0.50	0.0030	mg/L		10/16/23 07:58	10/17/23 13:13	1
Chromium	ND		0.50	0.016	mg/L		10/16/23 07:58	10/17/23 13:13	1
Lead	ND		0.50	0.044	mg/L		10/16/23 07:58	10/17/23 13:13	1
Selenium	ND		0.50	0.037	mg/L		10/16/23 07:58	10/17/23 13:13	1
Silver	ND		0.50	0.0091	mg/L		10/16/23 07:58	10/17/23 13:13	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-449164/1-A
Matrix: Solid
Analysis Batch: 449363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 449164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:28	1

Lab Sample ID: LCS 180-449164/2-A
Matrix: Solid
Analysis Batch: 449363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 449164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00238		mg/L		95	80 - 120

Client: Geosyntec Consultants Inc
Job ID: 180-161937-4
Project/Site: Former Sperry Remington-Characterization

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LB 180-448944/1-C
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: TCLP
Analysis Batch: 449363
Prep Batch: 449164

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/13/23 12:00	10/16/23 10:30	1

Metals

Leach Batch: 448944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161937-2	SSHS-IRM5A2-A8PH3-S52	TCLP	Solid	EPA 1311	
180-161937-3	SSHS-IRM5A2-A8PH3-S53	TCLP	Solid	EPA 1311	
180-161937-4	SSHS-IRM5A2-DUP316	TCLP	Solid	EPA 1311	
180-161937-5	SSHS-IRM5A2-A8PH3-S54	TCLP	Solid	EPA 1311	
180-161937-19	SSHS-IRM5A2-A8PH3-B28	TCLP	Solid	EPA 1311	
LB 180-448944/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-448944/1-C	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 449139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161937-2	SSHS-IRM5A2-A8PH3-S52	TCLP	Solid	3010A	448944
180-161937-3	SSHS-IRM5A2-A8PH3-S53	TCLP	Solid	3010A	448944
180-161937-4	SSHS-IRM5A2-DUP316	TCLP	Solid	3010A	448944
180-161937-5	SSHS-IRM5A2-A8PH3-S54	TCLP	Solid	3010A	448944
180-161937-19	SSHS-IRM5A2-A8PH3-B28	TCLP	Solid	3010A	448944
LB 180-448944/1-B	Method Blank	TCLP	Solid	3010A	448944
MB 180-449139/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 180-449139/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 449164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161937-2	SSHS-IRM5A2-A8PH3-S52	TCLP	Solid	7470A	448944
180-161937-3	SSHS-IRM5A2-A8PH3-S53	TCLP	Solid	7470A	448944
180-161937-4	SSHS-IRM5A2-DUP316	TCLP	Solid	7470A	448944
180-161937-5	SSHS-IRM5A2-A8PH3-S54	TCLP	Solid	7470A	448944
180-161937-19	SSHS-IRM5A2-A8PH3-B28	TCLP	Solid	7470A	448944
LB 180-448944/1-C	Method Blank	TCLP	Solid	7470A	448944
MB 180-449164/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-449164/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 449363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161937-2	SSHS-IRM5A2-A8PH3-S52	TCLP	Solid	EPA 7470A	449164
180-161937-3	SSHS-IRM5A2-A8PH3-S53	TCLP	Solid	EPA 7470A	449164
180-161937-4	SSHS-IRM5A2-DUP316	TCLP	Solid	EPA 7470A	449164
180-161937-5	SSHS-IRM5A2-A8PH3-S54	TCLP	Solid	EPA 7470A	449164
180-161937-19	SSHS-IRM5A2-A8PH3-B28	TCLP	Solid	EPA 7470A	449164
LB 180-448944/1-C	Method Blank	TCLP	Solid	EPA 7470A	449164
MB 180-449164/1-A	Method Blank	Total/NA	Solid	EPA 7470A	449164
LCS 180-449164/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	449164

Analysis Batch: 449498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161937-2	SSHS-IRM5A2-A8PH3-S52	TCLP	Solid	EPA 6010D	449139
180-161937-3	SSHS-IRM5A2-A8PH3-S53	TCLP	Solid	EPA 6010D	449139
180-161937-4	SSHS-IRM5A2-DUP316	TCLP	Solid	EPA 6010D	449139
180-161937-5	SSHS-IRM5A2-A8PH3-S54	TCLP	Solid	EPA 6010D	449139
180-161937-19	SSHS-IRM5A2-A8PH3-B28	TCLP	Solid	EPA 6010D	449139
LB 180-448944/1-B	Method Blank	TCLP	Solid	EPA 6010D	449139
MB 180-449139/1-A	Method Blank	Total/NA	Solid	EPA 6010D	449139
LCS 180-449139/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010D	449139

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

Chain of Custody Record

Documentation COC1

eurofins

Client Information	Sampler: M STELMACH	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S51	9/6/23	1300	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S52	9/6/23	1305	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S53	9/6/23	1310	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP307 ID should be -DUP316 as per Miranda Stelmach D. Dunlap 9/7/23	9/6/23	--	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S54	9/6/23	1315	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S55	9/6/23	1320	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S56	9/6/23	1325	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S57	9/6/23	1330	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S58	9/6/23	1335	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S59	9/6/23	1340	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S60	9/6/23	1345	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S61	9/6/23	1350	G	S	N	N	X	X	X	X									6	

180-161937 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Miranda Stelmach	9/6/23 1700	Geosyntec		9-7-23 1036	EPAME
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

Documentation (COC-1)

eurofins

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	C Lamas	Dunlap, David A		180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-A8PH3-S62	9/6/23	1355	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-DUP308 ID should be -DUP317 as per Miranda Stelmach D. Dunlap 9/7/23	9/6/23	--	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S63	9/6/23	1400	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S64	9/6/23	1405	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-A8PH3-S65	9/6/23	1410	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-S66	9/6/23	1415	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B28	9/6/23	1420	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-A8PH3-B29	9/6/23	1425	G	S	N	Y	X	X	X	X									16	

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

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	Miranda Stelmach	9/6/23 1700	Geosyntec		9-7-23 1026	F.E.S.
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver 01/16/2019

Page 7 of 18

10/19/2023

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161937-4

Login Number: 161937

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Dunlap, David A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IRM52A on several terracore kit labels instead of IRM5A2
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

NEW YORK, SUSQUEHANNA AND WESTERN RAILWAY CORPORATION
5800 WESTSIDE AVENUE RAIL TRANSLOAD FACILITY

MATERIAL CHECKLIST AND CERTIFICATION

1. Generation Site Information	
Date	11/9/2022
Lot ID (*MHF Quote #*)	
Material Source / Generation Site (*Owner Name and Location*)	UNISYS - ELMIRA, NY
Applicable Generation Site State or EPA IDs	NYR000231571
Past Use of Generation Site (*i.e. Industrial, Historic Fill, etc.*)	Industrial
Classified Hazardous Waste	☒ RCRA ☒ TSCA ☐ Other Hazardous: _____
Estimated Quantity	100 Tons Cubic Yards
Representative Analytical Sample †	☒ New Representative Sample (*New Jersey Hazsite EDD Format*) Sample ID: __See Section 4__ (*If multiple samples provided, complete Section 4 below*) ☐ Material Consistent with Prior Lot ID: _____ Dated: _____

2. Analyses

** Required analyses for the Air Constituents of Concern to be determined by the Generator or Generator's Agent as applicable based on the past use of the Generation Site and the regulated air pollutants (N.J.A.C. 7:27-17 and 7:27-8), performed in accordance with EPA SW-846 approved test methodology by a NJDEP or EPA certified lab. Suggested analytical methods listed below to be confirmed with the certified lab. While TCLP analytics are not utilized for air emissions calculations, if available, TCLP results are expected to be considered during review of the Generation Site history and determination of the associated required Air Constituents of Concern.*

† All laboratory analytics to be provided in standard New Jersey Hazsite Electronic Data Deliverables (EDD) format. Generator or Generator's Agent to select a representative analytical sample or samples to be representative of each Lot (Certification D., below). If multiple samples are provided, the approximate percentage (%) of material represented by each sample will be indicated in Section 4.

Air Constituents of Concern * (*Answer Required for each Parameter Category*)	**Parameter Category:**	**Suggested Analytical Method * (*current as of August 2020*):**
☒ Yes ☐ No	Metals *(EPA Target Analyte List (TAL), Mercury, Hexavalent Chromium)*	SW-846 6010D, SW-846 7471B, SW-846 3200, SW-846 3060A
☒ Yes ☐ No (*select "Yes" and provide associated analytics if at least one VOC is present above detection limits*)	Volatile Organic Compounds (VOCs) *(Target Compound List (TCL), Acetaldehyde, Acrylonitrile, Formaldehyde, Propionaldehyde)*	SW-846 8260C, SW-846 8315A
☒ Yes ☐ No	Semivolatile Organic Compounds (SVOCs)	SW-846 8270E, SW-846 8275A, SW-846 8100
☐ Yes ☒ No	Pesticides and Herbicides	SW-846 8081, SW-846 8085, SW-846 8141, SW-846 8151
☒ Yes ☐ No	PCBs	SW-846 8082A
☐ Yes ☐ No	Dioxins and Furans	SW-846 8290A

3. Certifications from Generator or Generator's Agent

Generator's Agent shall be authorized by the Generator and have detailed knowledge of the generation site history and material characteristics.

A. All required analyses for the incoming soil/waste materials have been performed based on the past use of the Generation Site.

Generator or Generator's Agent Signature: Terry Etter

B. The proper sampling requirements, procedures, and analytical methods were utilized during the preparation of the soil/waste characterization, in accordance with the New Jersey Technical Requirements for Soil Remediation.

Generator or Generator's Agent Signature: Terry Etter

C. All documentation related to the sampling and analysis for the incoming soil/waste materials have been provided to NYS&W or NYS&W's agent.

Generator or Generator's Agent Signature: Terry Etter

D. The analytical sample(s) identified for this Lot is representative of the material to be transloaded under this Lot ID and associated single Waste Profile. If analytics for more than one sample are provided to represent a Lot ID, the approximate ratio has been indicated below in Section 4.

Generator or Generator's Agent Signature: Terry Etter

NEW YORK, SUSQUEHANNA AND WESTERN RAILWAY CORPORATION
5800 WESTSIDE AVENUE RAIL TRANSLOAD FACILITY

MATERIAL CHECKLIST AND CERTIFICATION

4. Representative Analytical Samples (*if applicable*)

If analytics for more than one sample are provided to represent a Lot ID, indicate the approximate percentage of material to be accepted that is associated with each sample ID. If more rows are needed, duplicate this sheet.

Sample ID:	Corresponding Material to be Received (*% of Total*):	
180-144828-1 SSHS-IRM5A2-RO2-ABCD-COMP	50 %	SVOCs, PCBS, Total Metals and TCLP List (minus VOCs)
180-144828-2 SSHS-IRM5A2-RO2-A-TOP	6.25 %	VOCs and TCLP VOCs
180-144828-3 SSHS-IRM5A2-RO2-B-TOP	6.25 %	VOCs and TCLP VOCs
180-144828-4 SSHS-IRM5A2-RO2-C-TOP	6.25 %	VOCs and TCLP VOCs
180-144828-5 SSHS-IRM5A2-RO2-D-TOP	6.25 %	VOCs and TCLP VOCs
180-144828-6 SSHS-IRM5A2-RO2-A-BOT	6.25 %	VOCs and TCLP VOCs
180-144828-7 SSHS-IRM5A2-RO2-B-BOT	6.25 %	VOCs and TCLP VOCs
180-144828-8 SSHS-IRM5A2-RO2-C-BOT	6.25 %	VOCs and TCLP VOCs
180-144828-9 SSHS-IRM5A2-RO2-D-BOT	6.25 %	VOCs and TCLP VOCs
180-144886-1 SSHS-IRM5A2-RO1-ABCD-COMP	50 %	SVOCs, PCBS, Total Metals and TCLP List (minus VOCs)
180-144886-2 SSHS-IRM5A2-RO1-A-TOP	6.25 %	VOCs and TCLP VOCs
180-144886-3 SSHS-IRM5A2-RO1-A-BOT	6.25 %	VOCs and TCLP VOCs
180-144886-4 SSHS-IRM5A2-RO1-B-TOP	6.25 %	VOCs and TCLP VOCs
180-144886-5 SSHS-IRM5A2-RO1-B-BOT	6.25 %	VOCs and TCLP VOCs
180-144886-6 SSHS-IRM5A2-RO1-C-TOP	6.25 %	VOCs and TCLP VOCs
180-144886-7 SSHS-IRM5A2-RO1-C-BOT	6.25 %	VOCs and TCLP VOCs

5. Notes (*as needed*)

180-144828-1 SSHS-IRM5A2-RO2-ABCD-COMP and 180-144886-1 SSHS-IRM5A2-RO1-ABCD-COMP are two composite samples from two separate containers (RO1 and RO2). Volatile Organic Compounds and TCLP Volatile Organic Compounds were analyzed separately using grab samples from each respective container.

RO1 Composite Sample 180-144828-1 was analyzed for SVOCs, PCBs, Total Metals, and Full TCLP minus TCLP VOCs. RO1 Grab Samples 180-144828-2, 180-144828-3,180-144828-4,180-144828-5, 180-144828-6, 180-144828-7, 180-144828-8, 180-144828-9 were analyzed for VOCs and TCLP VOCs.

RO2 Composite Sample 180-144886-1 was analyzed for SVOCs, PCBs, Total Metals, and Full TCLP minus TCLP VOCs. RO1 Grab Samples 180-144886-2, 180-144886-3,180-144886--4,180-144886--5, 180-144886--6, 180-144886--7, 180-1144886--8, 180-144886-9 were analyzed for VOCs and TCLP VOCs.

NEW YORK, SUSQUEHANNA AND WESTERN RAILWAY CORPORATION
5800 WESTSIDE AVENUE RAIL TRANSLOAD FACILITY

MATERIAL CHECKLIST AND CERTIFICATION

4. Representative Analytical Samples (*if applicable*)

If analytics for more than one sample are provided to represent a Lot ID, indicate the approximate percentage of material to be accepted that is associated with each sample ID. If more rows are needed, duplicate this sheet.

Sample ID:	Corresponding Material to be Received (*% of Total*):	
180-144886-8 SSHS-IRM5A2-RO1-D-TOP	6.25 %	VOCs and TCLP VOCs
180-144886-9 SSHS-IRM5A2-RO1-D-BOT	6.25 %	VOCs and TCLP VOCs
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	
	%	

5. Notes (*as needed*)

From: Don Trego <DTrego@Geosyntec.com>
Sent: Thursday, November 10, 2022 11:02 AM
To: 'Mark Baron' <Mark.Baron@usecology.com>
Cc: Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Paul Brookner <PBrookner@Geosyntec.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

Mark,

Good day. As requested, please find attached a completed, and signed, NYSWRC Rail Transload Facility Checklist for the roll-off waste.

In addition, I have attached two compressed archive (Zip) files. Each file contains the following electronic data deliverables (EDDs) as requested on the Checklist.:

180-144828.zip
180-144828-1_EquNysdec.xls - NYSDEC format EDD deliverable
DTST.txt – NJDEP HazSite dataset file
HZ Sample.txt – NJDEP HazSIte sample file
HZResult.txt - NJDEP HazSIte result file
Messages_EDSA$7-1-5.HTML – HTML file describing the results of the EDSA Checker
The only error was for missing coordinates. There were a few warnings.

180-144886.zip
180-144886-1_EquNysdec.xls - NYSDEC format EDD deliverable
DTST.txt – NJDEP HazSite dataset file
HZ Sample.txt – NJDEP HazSIte sample file
HZResult.txt - NJDEP HazSIte result file
Messages_EDSA$7-1-5.HTML – HTML file describing the results of the EDSA Checker
The only error was for missing coordinates. There were a few warnings.

As we discussed, please confirm that we are now scheduled for pickup of the rolloff wastes on November 17th, 2022. Also, please confirm that you or Clean Harbors do not need anything further to transport and dispose of this profiled and accepted waste.

Also as discussed, please provide pricing and availability to transport the waste directly via truck (vs Rail) to the aragonite facility ASAP.

If you, Clean Harbors, or the rail transload facility have any questions in regards to the checklist please call me directly.

Please confirm receipt of this email and the attachments.

Donald A. Trego, QEP, CHMM
Senior Scientist

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
Phone: 410.910.7620
Fax: 410.381.4499
Mobile: 631.830.2851
www.Geosyntec.com





Please consider the environment before printing this e-mail.

From: Mark Baron <Mark.Baron@usecology.com>
Sent: Wednesday, November 9, 2022 4:10 PM
To: Don Trego <DTrego@Geosyntec.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Hello Don

Now I understand what the hold up is.

The rail projects through North Bergen all require an air permit review. I assumed that Clean Harbors filled it out and sent it to NYS&W/MHF. They did not.

Please review, fill in the attached document based on the analysis.

I am available to assist.

If you have any questions or comments please feel free to contact me at 716-425-7153 or by email at mark.baron@usecology.com.

Mark M. Baron
Senior Account Executive
17440 College Parkway Suite 300
Livonia, MI 48152
e Mark.Baron@usecology.com
o 734.521.8000
c 716.425.7153
Emergency Response: 800.839.3975



From: Mark Baron
Sent: Wednesday, November 9, 2022 3:44 PM
To: Don Trego <DTrego@Geosyntec.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

Hello

Due to a load out limitation at the North Bergen Rail Yard, we need to move the pick yup to next Thursday.

If you have any questions or comments please feel free to contact me at 716-425-7153 or by email at mark.baron@usecology.com.

Mark M. Baron
Senior Account Executive
17440 College Parkway Suite 300
Livonia, MI 48152
e Mark.Baron@usecology.com
o 734.521.8000
c 716.425.7153
Emergency Response: 800.839.3975



From: Don Trego <DTrego@Geosyntec.com>
Sent: Wednesday, November 9, 2022 8:46 AM
To: Mark Baron <Mark.Baron@usecology.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

This email came from an external source, please take caution when interacting with it.

How many trucks?

Donald A. Trego, QEP, CHMM
Senior Scientist

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
Phone: 410.910.7620
Fax: 410.381.4499
Mobile: 631.830.2851
www.Geosyntec.com



Please consider the environment before printing this e-mail.

From: Mark Baron <Mark.Baron@usecology.com>
Sent: Wednesday, November 9, 2022 8:45 AM
To: Don Trego <DTrego@Geosyntec.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

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Hello

7 to 7:30 AM arrival

If you have any questions or comments please feel free to contact me at 716-425-7153 or by email at mark.baron@usecology.com.

Mark M. Baron
Senior Account Executive
17440 College Parkway Suite 300
Livonia, MI 48152
e Mark.Baron@usecology.com
o 734.521.8000
c 716.425.7153
Emergency Response: 800.839.3975

A Republic Services Company

From: Don Trego <DTrego@Geosyntec.com>
Sent: Wednesday, November 9, 2022 8:38 AM

To: Mark Baron <Mark.Baron@usecology.com>
Subject: RE: Clean Harbors - CH2502908 RCRA/TSCA soil

This email came from an external source, please take caution when interacting with it.

Thanks Mark. When you get confirmation of truck arrival times for tomorrow, please let me know. Also, can you confirm the QTY of trucks coming?

Donald A. Trego, QEP, CHMM
Senior Scientist

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
Phone: 410.910.7620
Fax: 410.381.4499
Mobile: 631.830.2851
www.Geosyntec.com

Geosyntec consultants
engineers | scientists | innovators

Please consider the environment before printing this e-mail.

From: Mark Baron <Mark.Baron@usecology.com>
Sent: Wednesday, November 9, 2022 8:34 AM
To: Don Trego <DTrego@Geosyntec.com>
Subject: Clean Harbors - CH2502908 RCRA/TSCA soil

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Hello Don

Here is a screen shot of the approval.

If you have any questions or comments please feel free to contact me at 716-425-7153 or by email at mark.baron@usecology.com.

Mark M. Baron
Senior Account Executive
17440 College Parkway Suite 300
Livonia, MI 48152
e Mark.Baron@usecology.com
o 734.521.8000
c 716.425.7153
Emergency Response: 800.839.3975

Description

Waste Description: RCRA/TSCA soil

What is the process generating the waste?: Soil Remediation

HIN#:

Is this waste contained in small packaging contained within a larger shipping container? (i.e. Lab pack per 49 CFR 173.12 or other form of Combination packaging): ○ Yes ◉ No

Special Requests: Profile CH2502908 is a copy over of profile CH2496259. Cust/Gen corrected. For incin at AG

Clean Harbors Online Services

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Search Options

New Profile

Search by

Customer Name EQ Northeast **Customer Code** EQ000002

Generator Name UNISYS **Generator Code** UN51339

Profile

Show profiles with status

☑ Approved ☑ Tentative ☑ Deadfiled ☑ Incomplete

☑ Expired ☑ Submitted ☑ Pending ☑ Review

Show 25 **Profiles Per Page.**

View	Edit	Copy	Recertify	Profile #	Description	Waste Classification Code	Expiration Date	Approval Status
View	Edit	Copy	Recertify	CH2502908	RCRA/TSCA soil	CHSI	10/6/2023 12:00:00 AM	Approved

1

COVANTA Environmental Solutions

Material Characterization Form (MCF)

Section 1 - General Customer Information REQUIRED SECTION *(If multiple generating or shipping locations, include a list as an attachment)*

Generator Company Information

Company Name Unisys Corportation
Address 3199 Pilot Knob Road
City Eagan State MN Zip Code 55121
Phone # (651) 635-7253 Fax #
State ID # NYR0001073

Service Company Information

Company Name T&R Environmental
Address 691 Addison Road
City Painted Post State NY Zip Code 14870
Phone # (607) 936-1222 Fax # (607) 937-4006

Primary Contact Information - *Enter the contact information for the person who can answer questions about the waste and process.*

Contact Name Lauren Case
Title VP internal operations
Company Name T&R Environmental
Phone # (607) 368-1970 E-mail caselh@trenviro.com

Billing Information - *Identify where Covanta should forward invoices:*

☐ *Generator's Address;* ☒ *Service Company's Address; or* ☐ *other*

Address 691 Addison Road
City Painted Post State NY Zip Code 14870
Contact Name Lauren Case
Phone # (607) 368-1970 E-mail caselh@trenviro.com

Will a PO Number be required? ☒ *No* ☐ *Yes*

☒ *Service Company Authorization*

On Behalf of the Generator of the waste profiled herein, I hereby authorize the aforementioned Service Company; and/or ☒ Covanta Environmental Solutions to complete Covanta's Material Characterization Form (MCF) and all other necessary forms for the disposal of the non-hazardous waste described on them. Furthermore, I understand that the completion of this authorization provides consent to characterize and profile this waste.

Generator's Representative

Name Miranda Stelmach
Title Project Professional
Miranda Stelmach Digitally signed by Miranda Stelmach Date: 2022.09.02 08:06:50 -04'00'
Signature
08/30/2022
Date

Section 2 - Waste Stream Information

2.1 - Name of Waste - An answer on this items is REQUIRED Water/gas mix

Desired Management Technology ☐ Waste Treatment ☐ Solidification ☐ Used Oil Management ☒ Waste to energy ☒ Recycle

2.2 - Physical Form - An answer on this items is REQUIRED

☐ Consumer Packaged ☒ Bulk ☐ Solid (Non-Dusting) ☐ Powder ☐ Waxy Solid ☒ Liquid ☐ Semisolid ☐ Other:

☒ Pourable ☒ Waste Pumpable Num of Layers: Liquids% 97 Solids% 3 Sludge% Specific Gravity

2.3 - Other Physical Characteristics

Odor: Petroleum Flash Point (°F): -40F pH: n/a
Heating Value (in BTUs/lb): n/a ☐ Estimated; or ☐ Measured
BOD: n/a PPM COD: n/a PPM

2.4 - Container Type - An answer on this items is REQUIRED

☐ Steel Drums ☐ Plastic (Poly) Drums ☐ Fiber Drums ☐ Supersacs ☐ Cubic Yard Boxes ☐ Totes ☐ Pails ☒ Other: bulk vac truck

2.5 - Quantity per Delivery 10,000

2.6 - Frequency 4 times

2.7 - Delivery Vehicle Vaccum Truck

2.8 - Sample Information - Is the sample provided? ☒ *No* ☐ *Yes*

2.9 - Waste Process Description

Provide a detailed description of the waste generating process. Describe the materials used to generate the waste, as well as, any other chemical or physical constituents that may be present as a result of commingling or contamination. Provide a process flow diagram if possible. Attach additional pages if necessary. This information will be used to evaluate the acceptance of the waste stream.

Decommission of 10,000 gallon UST.

Name of Waste: _____

Section 3 - Regulatory Waste Classification

3.1 Is the profiled waste an EPA **RCRA Listed Hazardous Waste** per 40 CFR 261? ☒ NO ☐ YES - STOP, Waste is unacceptable

3.2 Is the profiled waste an EPA **RCRA Characteristic Hazardous Waste** per 40 CFR 261? ☒ NO ☐ YES - STOP, Waste is unacceptable

3.3 Is the profiled waste a "Hazardous Waste" as defined by the State of Origin? ☒ NO ☐ YES - specify State ID: _____

3.4 Does the waste meet the definition of any of the following in the State of Origin? *(Check all that apply)*:

☒ None ☐ Special Waste ☐ Residual Waste ☐ Regulated Waste - State Waste Code: _____ ☐ Other: _____

3.5 Does the waste meet the exemption criteria from any of the following? *(Check all that apply. A separate addendum may be required)*

☐ Aqueous Solution (<24% Alcohol and >50% Water) ☐ Non-Terne Plated Used Oil Filters ☐ RCRA Empty ☐ Other: _____

3.6 Please describe how the previous questions were answered *(Check all that apply)*

☒ Analytical Data ☒ Generator Knowledge ☐ Other: _____

3.7 Please select any of the following terms that are associated with the profiled waste *(Check all that apply)*

☐ Household Hazardous Waste (HHW) ☐ FIFRA ☒ DOT Reg. ☐ OSHA ☐ CERCLA Site ☐ Radioactive ☐ Treated Medical Waste

3.8 US DOT Proper shipping name Non-RCRA, Non- DOT Petroleum impacted water

3.9 Is this waste "Used Oil" or contains "Used Oil" as defined in 40 CFR 297 or generator state regulations?

☒ NO ☐ YES (if "Yes" complete Used oil warranty)

A) Used Oil Warranty(complete if waste is a "Used Oil" or contains "Used Oil" Not Applicable ☐

1) Has this Used Oil* been mixed with Hazardous Waste ☐ Yes** ☐ No **If yes, this waste cannot be accepted at a Covanta facility.

* Used oil is oil that has been refined from crude or synthetic oil and used as a lubricant.

2) Does this Used Oil contain Total Halogens greater than 1,000 ppm? ☐ Yes If yes, must complete A(3) below ☐ No* [Confirmed by Chlor D Test or equivalent – US EPA Method 9075]

* If no, the Used Oil is non-hazardous and the Used Oil Warranty is complete. Please initial section A & continue to Section B.

3) If yes to A(2) above, can you rebut the presumption that the Used Oil is a Hazardous Waste? ☐ Yes ☐ No*

* If no to A(3),this waste cannot be accepted at a Covanta Environmental Solutions treatment facility. (Pursuant to EPA 40 CFR 279, WI DNR NA 679, 35 IL Adm. Code Part 739, 25 PA Chapter 298, IN 329 IAC 13 and IA code 455B)

If yes to A(2) above ,Generator must Rebut the Presumption by :

i) Demonstrating the total halogen content is due to the presence of a Halogenated Constituent of the oil formulation; for example, Chlorinated Paraffins. This Used Oil has not been mixed with a chlorinated solvent or other hazardous waste. **Material Safety Data Sheet MUST be attached.**

ii) Providing a certified laboratory analysis affirming the used oil does not contain a concentration in excess of 100 ppm for any F001/F002 constituent.

Generator's Initials _____

Section 4 - Waste Composition

4.1 - Constituents - An answer on this item is REQUIRED.

Identify the *TOTAL* concentration of the following constituents, if present in the profiled waste. Report ***TOTAL*** concentration results as weight percent (wt.%) or ppm. ***Do not report TCLP results in this section.*** If a constituent is not applicable, please identify it by noting "N/A"; if not present, please mark it as zero (0). If the profiled waste stream is made up of several components, products or materials, please estimate these constituents' concentrations using generator knowledge or supporting information.

☒ N/A for all constituents below ☐ Zero (0) for all constituents below

Bromine	ppm	Antimony	ppm
Chlorine	wt.%	Beryllium	ppm
Fluorine	ppm	Cobalt	ppm
Iodine	ppm	Copper	ppm
Nitrogen	wt.%	Manganese	ppm
Sulfur	wt.%	Nickel	ppm
Arsenic	ppm	Vanadium	ppm
Barium	ppm	Zinc	ppm
Cadmium	ppm	Aluminum Oxide	ppm
Chromium	ppm	Silicates	ppm
Lead	ppm	Silicone	wt.%
Mercury	ppm	Titanium Dioxide	wt.%
Selenium	ppm	Water	wt.%
Silver	ppm	Alcohol	wt.%
		Ammonia ☒ No ☐ Yes	ppm
		Phenol ☒ No ☐ Yes	ppm
		Cyanide ☒ No ☐ Yes	ppm
		PCB's ☒ No ☐ Yes	ppm

Organic Characteristics

Benzene		ppm
Carbon Tetrachloride		ppm
Chlordane		ppm
Chlorobenzene		ppm
Chloroform		ppm
o-Cresol		ppm
m-Cresol		ppm
p-Cresol		ppm
Cresol		ppm
1,4-Dichlorobenzene		ppm
1,2-Dichloroethane		ppm
1,1-Dichloroethylene		ppm
2,4-Dinitrotoluene		ppm
Heptachlor (and its epoxide)		ppm
Hexachlorobenzene		ppm
Hexachlorobutadiene		ppm
Hexachloroethane		ppm
Methyl ethyl ketone		ppm
Nitrobenzene		ppm
Pentrachlorophenol		ppm
Pyridine		ppm
Tetrachloroethylene		ppm
Trichloroethylene		ppm
2,4,5-Trichlorophenol		ppm
2,4,6-Trichlorophenol		ppm
Vinyl chloride		ppm

4.2 - Composition - An answer on this item is REQUIRED.
Identify the components that make up the profiled waste. If packaging is considered as a component of the waste, please estimate the waste's packaging range. Attach additional pages if needed.

Component	Range (wt.%)
Gasoline	30
Water	70
	≥100

Section 5 - Non-Hazardous Waste Certification/Warranty Statement

I certify, as an Authorized Representative of the Generator, that this document, including all completed forms and all pertinent addenda, accurately represent and describe the waste stream outlined. The information submitted is true, accurate and complete, and no available information has been omitted or falsified. I further certify that the profiled waste is non-hazardous based upon Federal, State and Local Regulations.

B) Warranty Statement

I hereby certify the following: The waste identified in Section 4 of this waste profile form, when measured in each container or vessel, does not contain any material at a concentration which would render it hazardous as defined in 40 CFR 261, nor does it contain PCB's at a concentration of >1 ppm, or contaminated with PCB's from a source >= 50 ppm nor, if the waste is to be water treated, does it contain any Mercury. I further hereby agree to indemnify and hold Covanta Environmental Solutions harmless from all costs, damages, liability or other expenses (including but not limited to attorneys and expert witness fees) resulting from any inaccurate or incomplete information provided herein by Generator or Client.

Generator's Initials TRE

GENERATOR CERTIFICATION

I, Terry Etter certify that the information submitted above and all attached documents contain true and accurate descriptions of the waste material. I also certify that the waste is not a Hazardous waste, a PCB TSCA waste, or NRC Regulated Radioactive waste. The waste sample, if provided, is representative of the waste material described above. I hereby agree to indemnify and hold Covanta Environmental Solutions Harmless from all costs, damages, liability or other expenses (including but not limited to attorneys and expert witness fees) resulting from any inaccurate or incomplete information provided herein by Generator or Client.

Signature Terry Etter* **Title** Project Manager **Date** 9/8/22

* Cannot be singed by Covanta Employee

Generator's Authorized Representative

Name Anthony Cilino

Title Compliance and Disposal Administrator

Company Finger Lakes Envirotech, LLC

Anthony Cilino — Signature

Digitally signed by Anthony Cilino
Date: 2022.08.30 14:18:19 -04'00'

08/30/2022 — Date

GENERATOR AUTHORIZATION LETTER

Generator Name: Unisys Corporation (the "Generator")

Site Address: 3199 Pilot Knob Rd (777 S Main St)

City, State and Zip Code: Eagan MN 55121 (Elmira, NY 14904)

Phone#: 651 635 7253 Email: terry.etter@unisys.com EPA ID#: NYRD000107383

This Generator Authorization Letter affirms that Elk Environmental Services ("ELK"), by and through its representatives, is hereinafter authorized to sign as agent for the Generator, as the term "generator" is defined in any applicable environmental law, regulation or guidance, all waste management documents required for services performed ELK under contract with the Generator. This authorization includes, but is not limited to, waste manifests, bills of lading, material and waste profiles, and land disposal notifications for "hazardous waste", "solid waste", "regulated waste", "special waste", "residual waste" and/or "municipal solid waste" as such terms are used or defined in any applicable environmental law, regulation or guidance (collectively "Regulated Wastes"). To clarify the parties' intent in this regard, the words "for the generator" will be included in the signature block of all documents signed by an ELK representative pursuant to this authorization.

It is acknowledged that, when signing any document under this authorization as agent for the Generator, Elk Environmental Services assumes none of the Generator's responsibility and liability associated with such signature, and that the Generator retains all responsibility and liability as the "generator" of the Regulated Wastes. It is further acknowledged that ELK is not the "owner", "generator" or "disposer" of such Regulated Wastes as such terms are used or defined in any applicable environmental laws, regulations or guidance and the Generator shall indemnify, defend and hold ELK harmless from and against any and all claims and/or losses incurred by ELK in connection with any administrative or third-party action or claim where it is alleged that ELK is liable in any way for the storage, treatment, transportation or disposal of such Regulated Wastes. Generator represents and warrants that the undersigned has fully and adequately disclosed to ELK the characteristics of the Regulated Wastes and the process by which such waste was generated, and that the Generator shall indemnify, defend and hold ELK harmless from and against any and all claims and/or losses incurred by ELK in connection with the failure of this representation and warranty.

I hereby certify that I am fully authorized by the Generator to execute this Generator Authorization Letter and to bind Generator in accordance herewith.

Terry R. Etter
(Authorized Signature)

Terry R. Etter
(Printed Name)

Unisys Project Manager
(Title)

12/3/2021
(Date)

TRE
Initials

WASTE CHARACTERIZATION FORM

59 Willow Creek • Reading, PA 19605
610-926-7626 (p) • 610-916-3883 (f)

CLIENT INFORMATION

Company	Elk Environmental Services	Contact	Dave Skrocki
Billing Address	1440 Carbon Street	Title	Technical Coordinator
	Reading, PA 19601	Phone	610-372-4760
		Fax	610-372-4820

GENERATOR INFORMATION

EPA ID# VSQG

Generator Name	Unisys Corporation
Mailing Address	3199 Pilot Knob Road
	Eagen,MN 55121
Generator Contact	
Title	
Phone	
Fax	
Site Address	777 South Main Street
	Elmira, NY 14904

WASTE INFORMATION

Common Waste Name: Investigation Derived Waste-Liquid

Generating Process:

The waste is generated from soil sampling. The water waste is from either developing newly installed monitoring wells, groundwater sampling, or decon of the drill/sampling equipment. All of the waste in the drums is from some type of environmental investigation

Container Type: Bulk Tanker

REGULATORY INFORMATION

USEPA haz waste? [ ] Yes [X] No

DOT Hazardous Material? [ ] Yes [X] No

Waste No.:

Proper Shipping Name: Non DOT Regulated Non RCRA Regulated Material (Non-Oil and Gas Well Drilling Waste)

STATE waste? [X] Yes [ ] No

Hazard Class: n/a UN/NA #: n/a

Waste No.: RWC 801

Rate of Generation: 10-15K Per Event

PHYSICAL CHARACTERISTICS OF WASTE

Color	Clear to brown
Odor	none
Physical State	Liquid
Density	1

Ignitability (Flash Point):
- [ ] <70 F
- [ ] 70 - 100 F
- [ ] 101 - 140 F
- [X] 141 - 200 F
- [X] >200 F

Corrosivity (pH):
- [ ] < or = 2.0
- [ ] 2.01 - 5.0
- [X] 5.01 - 9.0
- [ ] 9.01 - 12.49
- [ ] > or = 12.5
- [ ] Exact pH

CHEMICAL COMPOSITION

Indicate if the waste contains any of the following:

	None	Less Than	Actual	Range (Min-Max)
PCBs	xxx			
Cyanides	xxx			
Sulfides	xxx			
Phenols	xxx			
Ammonia	xxx			
Asbestos	xxx			
Herbicides	xxx			
Pesticides	xxx			
Metals	xxx			
Organics				

LIQUID WASTE CHARACTERISTICS - Fuel and Waste Water Candidates Only

Organic Phase	n/a	%	Aqueous Phase	n/a	%
Heat Value	n/a	btu/lb	TOC	n/a	ppm
Total Halogens	n/a	% or ppm	COD	n/a	ppm
Ash	n/a	%	Oil & Grease	n/a	ppm
Water Content	n/a	%	TOX	n/a	ppm
Viscosity	n/a	%	Total Solids	n/a	ppm

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I further certify that all samples and analyses submitted are representative of the subject waste in accordance with the procedures established in 40 CFR 261 Appendix I or by using an equivalent method allowed by the PA Department of Environmental Protection.

Authorized Signature: Terry Etter Title: Unisys PM Date: 9/7/23

Printed Name: Terry Etter Phone: 651-635-7253

BERKS TRANSFER CERTIFICATION

I hereby certify that the statements of fact contained therein are true and correct to the best of my knowledge, information and belief. I hereby certify that all information submitted in this and all other attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator have been disclosed.

Authorized Signature: Title: Date:

Printed Name: Phone:

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/29/2023 4:12:01 PM

JOB DESCRIPTION

Former Sperry Remington-Characterization-Frac Tank

JOB NUMBER

180-161087-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



Generated
8/29/2023 4:12:01 PM

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

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Job ID: 180-161087-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-161087-1

Receipt
The samples were received on 8/18/2023 at the Eurofins Pittsburgh, PA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-444083 was below criteria for the following analyte: Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

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

GC Semi VOA
Method 8081B: The continuing calibration verification (CCV) analyzed in batch 180-444331 (CCV 180-444331/2) was above criteria on column MR-1 for the following analyte: Toxaphene. As the CCV was high and Toxaphene was not detected in the associated sample, the results were reported.

Method 8081B: The continuing calibration verification (CCV) analyzed in batch 180-444331 (CCVIS 180-444331/6) was below criteria on column MR-2 for the following analyte: gamma-BHC (Lindane). Results were reported from column MR-1 which met criteria.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-444055 (CCV 180-444055/4) was below criteria for aroclor 1248 on column RTX-CLP1. Aroclor 1248 was not detected in the associated sample on either column.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-444055 (CCVIS 180-444055/26) was below criteria for aroclors 1016 and 1260 on column RTX-CLP1 and above criteria for surrogate decachlorobiphenyl on column RTX-CLP2. Aroclors 1016 and 1260 were not detected in the associated sample on either column. The associated sample surrogate recoveries were within the control limits.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-444055 (CCVIS 180-444055/47) was below criteria for aroclor 1260 on both columns. A reporting limit (RL) standard was analyzed, and aroclor 1260 was detected. Since the associated sample did not have aroclor 1260 detected, the results were reported.

Method 8151A: The continuing calibration verification (CCV) analyzed in batch 180-444767 (CCVRT 180-444767-1 and CCV 180-444767-9) were above criteria on column RTX-50 for the following analytes: 2,4-D and/or surrogate 2,4-dichlorophenyl acetic acid. As the CCV was high and 2,4-D was not detected in the associated sample, the results were reported. The associated sample surrogate recoveries were within the control limits.

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

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

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

General Chemistry

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

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Laboratory: Eurofins Pittsburgh

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
EPA 1010A		Water	Flashpoint
EPA 9040C		Water	pH

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Water	08/16/23 14:00	08/18/23 09:12

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	EET PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET PIT
EPA 8081B	Organochlorine Pesticides (GC)	SW846	EET PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET PIT
EPA 8151A	Herbicides (GC)	SW846	EET PIT
EPA 6010C	Metals (ICP)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
EPA 1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET PIT
EPA 9014	Cyanide	SW846	EET PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET PIT
EPA 9040C	pH	SW846	EET PIT
3010A	Preparation, Total Metals	SW846	EET PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET PIT
5030C	Purge and Trap	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT
8151A	Extraction (Herbicides)	SW846	EET PIT
9010C	Cyanide, Distillation	SW846	EET PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET PIT
EPA 1311	TCLP Extraction	SW846	EET PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Client Sample ID: SSHS-IRM5A2-FRACK TANK2
Lab Sample ID: 180-161087-1
Date Collected: 08/16/23 14:00
Matrix: Water
Date Received: 08/18/23 09:12

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444039	08/21/23 05:59	CRL	EET PIT
TCLP	Analysis	EPA 8260C		1	0.25 mL	5 mL	444083	08/21/23 13:32	SGR	EET PIT
	Instrument ID: CHHP10									
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444062	08/21/23 06:14	CRL	EET PIT
TCLP	Prep	3510C			200 mL	10.0 mL	444201	08/22/23 01:00	CBY	EET PIT
TCLP	Analysis	EPA 8270D		1	1 mL	1 mL	444280	08/22/23 18:11	VVP	EET PIT
	Instrument ID: CH722									
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444062	08/21/23 06:14	CRL	EET PIT
TCLP	Prep	3510C			100 mL	40.0 mL	444200	08/22/23 00:05	CBY	EET PIT
TCLP	Analysis	EPA 8081B		1	1 mL	1 mL	444331	08/23/23 13:07	SMW	EET PIT
	Instrument ID: CHGC15									
Total/NA	Prep	3510C			260 mL	10.0 mL	444049	08/21/23 00:00	CBY	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 uL	1 uL	444055	08/21/23 19:38	JMO	EET PIT
	Instrument ID: CHGC16									
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444062	08/21/23 06:14	CRL	EET PIT
TCLP	Prep	8151A			100 mL	10.0 mL	444202	08/22/23 02:00	CBY	EET PIT
TCLP	Analysis	EPA 8151A		20	1 mL	1 mL	444767	08/28/23 07:47	JMO	EET PIT
	Instrument ID: CGC1									
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444062	08/21/23 06:14	CRL	EET PIT
TCLP	Prep	3010A			5 mL	50 mL	444124	08/21/23 12:43	SJM	EET PIT
TCLP	Analysis	EPA 6010C		1			444528	08/23/23 23:57	AAS	EET PIT
	Instrument ID: Q									
TCLP	Leach	EPA 1311			1.0 g	1.0 mL	444062	08/21/23 06:14	CRL	EET PIT
TCLP	Prep	7470A			25 mL	25 mL	444099	08/21/23 08:08	RJR	EET PIT
TCLP	Analysis	EPA 7470A		1			444283	08/22/23 11:11	RJR	EET PIT
	Instrument ID: HGY									
Total/NA	Analysis	EPA 1010A		1	70 mL	70 mL	444869	08/26/23 12:14	SNR	EET PIT
	Instrument ID: SPARKY									
Total/NA	Prep	9010C			6 mL	6 mL	444663	08/25/23 11:00	CMR	EET PIT
Total/NA	Analysis	EPA 9014		1			444698	08/25/23 14:46	CMR	EET PIT
	Instrument ID: SEAL1									
Total/NA	Prep	9030B			50 mL	50 mL	444275	08/22/23 12:04	BAB	EET PIT
Total/NA	Analysis	EPA 9034		1			444303	08/22/23 17:23	BAB	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 9040C		1			444809	08/26/23 15:14	SNR	EET PIT
	Instrument ID: OZ									

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Analyst References:

Lab: EET PIT

- Batch Type: Leach
  - CRL = Craig Tronzo
- Batch Type: Prep
  - BAB = Brooke Batyi
  - CBY = Charles Yushinski
  - CMR = Carl Reagle
  - RJR = Ron Rosenbaum
  - SJM = Shannon Mueller
- Batch Type: Analysis
  - AAS = Ariana Swick
  - BAB = Brooke Batyi
  - CMR = Carl Reagle
  - JMO = John Oravec
  - RJR = Ron Rosenbaum
  - SGR = Steven Russell
  - SMW = Shelby Walters
  - SNR = Sabra Richart
  - VVP = Vincent Piccolino

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Client Sample ID: SSHS-IRM5A2-FRACK TANK2
Lab Sample ID: 180-161087-1
Date Collected: 08/16/23 14:00
Matrix: Water
Date Received: 08/18/23 09:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			08/21/23 13:32	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			08/21/23 13:32	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			08/21/23 13:32	1
Chlorobenzene	ND		0.20	0.010	mg/L			08/21/23 13:32	1
Chloroform	ND		0.20	0.012	mg/L			08/21/23 13:32	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			08/21/23 13:32	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			08/21/23 13:32	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			08/21/23 13:32	1
Trichloroethene	ND		0.20	0.014	mg/L			08/21/23 13:32	1
Vinyl chloride	ND		0.20	0.0081	mg/L			08/21/23 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*49 - 118*		*08/21/23 13:32*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 132*		*08/21/23 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*52 - 151*		*08/21/23 13:32*	*1*
Toluene-d8 (Surr)	*106*		*53 - 124*		*08/21/23 13:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/22/23 01:00	08/22/23 18:11	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 18:11	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/22/23 01:00	08/22/23 18:11	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/22/23 01:00	08/22/23 18:11	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 18:11	1
2-Methylphenol	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 18:11	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 18:11	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/22/23 01:00	08/22/23 18:11	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/22/23 01:00	08/22/23 18:11	1
Pyridine	ND		0.10	0.0082	mg/L		08/22/23 01:00	08/22/23 18:11	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 18:11	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/22/23 01:00	08/22/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*55 - 105*	*08/22/23 01:00*	*08/22/23 18:11*	*1*
2-Fluorophenol (Surr)	*74*		*55 - 105*	*08/22/23 01:00*	*08/22/23 18:11*	*1*
Nitrobenzene-d5 (Surr)	*80*		*55 - 109*	*08/22/23 01:00*	*08/22/23 18:11*	*1*
Phenol-d5 (Surr)	*72*		*48 - 105*	*08/22/23 01:00*	*08/22/23 18:11*	*1*
Terphenyl-d14 (Surr)	*71*		*37 - 107*	*08/22/23 01:00*	*08/22/23 18:11*	*1*
2,4,6-Tribromophenol (Surr)	*60*		*32 - 115*	*08/22/23 01:00*	*08/22/23 18:11*	*1*

Method: SW846 EPA 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		08/22/23 00:05	08/23/23 13:07	1
Endrin	ND		0.00050	0.000091	mg/L		08/22/23 00:05	08/23/23 13:07	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/22/23 00:05	08/23/23 13:07	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/22/23 00:05	08/23/23 13:07	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/22/23 00:05	08/23/23 13:07	1
Methoxychlor	ND		0.00050	0.00031	mg/L		08/22/23 00:05	08/23/23 13:07	1
Toxaphene	ND		0.040	0.020	mg/L		08/22/23 00:05	08/23/23 13:07	1

Client Sample ID: SSHS-IRM5A2-FRACK TANK2
Lab Sample ID: 180-161087-1

Date Collected: 08/16/23 14:00
Matrix: Water
Date Received: 08/18/23 09:12

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*113*		*48 - 137*	*08/22/23 00:05*	*08/23/23 13:07*	*1*
DCB Decachlorobiphenyl (Surr)	*119*		*48 - 137*	*08/22/23 00:05*	*08/23/23 13:07*	*1*
Tetrachloro-m-xylene	*93*		*56 - 137*	*08/22/23 00:05*	*08/23/23 13:07*	*1*
Tetrachloro-m-xylene	*93*		*56 - 137*	*08/22/23 00:05*	*08/23/23 13:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.38	0.18	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1221	ND		0.38	0.22	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1232	ND		0.38	0.20	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1242	ND		0.38	0.14	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1248	ND		0.38	0.31	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1254	ND		0.38	0.18	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1260	ND		0.38	0.15	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1262	ND		0.38	0.27	ug/L		08/21/23 00:00	08/21/23 19:38	1
PCB-1268	ND		0.38	0.18	ug/L		08/21/23 00:00	08/21/23 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*114*		*68 - 142*	*08/21/23 00:00*	*08/21/23 19:38*	*1*
DCB Decachlorobiphenyl (Surr)	*113*		*68 - 142*	*08/21/23 00:00*	*08/21/23 19:38*	*1*
Tetrachloro-m-xylene (Surr)	*100*		*57 - 121*	*08/21/23 00:00*	*08/21/23 19:38*	*1*
Tetrachloro-m-xylene (Surr)	*97*		*57 - 121*	*08/21/23 00:00*	*08/21/23 19:38*	*1*

Method: SW846 EPA 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/22/23 02:00	08/28/23 07:47	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/22/23 02:00	08/28/23 07:47	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*101*		*48 - 127*	*08/22/23 02:00*	*08/28/23 07:47*	*20*
2,4-Dichlorophenylacetic acid	*94*		*48 - 127*	*08/22/23 02:00*	*08/28/23 07:47*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		08/21/23 12:43	08/23/23 23:57	1
Barium	ND		2.0	0.063	mg/L		08/21/23 12:43	08/23/23 23:57	1
Cadmium	ND		0.050	0.0030	mg/L		08/21/23 12:43	08/23/23 23:57	1
Chromium	ND		0.050	0.016	mg/L		08/21/23 12:43	08/23/23 23:57	1
Lead	ND		0.10	0.044	mg/L		08/21/23 12:43	08/23/23 23:57	1
Selenium	ND		0.10	0.037	mg/L		08/21/23 12:43	08/23/23 23:57	1
Silver	ND		0.050	0.0091	mg/L		08/21/23 12:43	08/23/23 23:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/21/23 08:08	08/22/23 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 EPA 1010A)	**>200**		1.00	1.00	Degrees F			08/26/23 12:14	1
Cyanide (SW846 EPA 9014)	**0.016**		0.010	0.0080	mg/L		08/25/23 11:00	08/25/23 14:46	1
Sulfide (SW846 EPA 9034)	ND		3.0	2.1	mg/L		08/22/23 12:04	08/22/23 17:23	1

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Client Sample ID: SSHS-IRM5A2-FRACK TANK2
Lab Sample ID: 180-161087-1
Date Collected: 08/16/23 14:00
Matrix: Water
Date Received: 08/18/23 09:12

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 EPA 9040C)	7.9	HF	0.1	0.1	SU			08/26/23 15:14	1

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

Lab Sample ID: LCS 180-444083/3
Matrix: Water
Analysis Batch: 444083

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0100	0.00954	J	mg/L		95	68 - 122		
2-Butanone (MEK)			0.0100	0.00828	J	mg/L		83	35 - 158		
Carbon tetrachloride			0.0100	0.00999	J	mg/L		100	60 - 135		
Chlorobenzene			0.0100	0.0102		mg/L		102	72 - 123		
Chloroform			0.0100	0.00896	J	mg/L		90	62 - 121		
1,2-Dichloroethane			0.0100	0.00942	J	mg/L		94	57 - 149		
1,1-Dichloroethene			0.0100	0.00989	J	mg/L		99	49 - 132		
Tetrachloroethene			0.0100	0.00998	J	mg/L		100	60 - 129		
Trichloroethene			0.0100	0.00973	J	mg/L		97	67 - 121		
Vinyl chloride			0.0100	0.00653	J	mg/L		65	47 - 147		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*49 - 118*
Dibromofluoromethane (Surr)	*90*		*60 - 132*
1,2-Dichloroethane-d4 (Surr)	*89*		*52 - 151*
Toluene-d8 (Surr)	*100*		*53 - 124*

Lab Sample ID: LB 180-444039/1-A
Matrix: Water
Analysis Batch: 444083

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.20	0.012	mg/L			08/21/23 12:33	1
2-Butanone (MEK)	ND		1.0	0.051	mg/L			08/21/23 12:33	1
Carbon tetrachloride	ND		0.20	0.018	mg/L			08/21/23 12:33	1
Chlorobenzene	ND		0.20	0.010	mg/L			08/21/23 12:33	1
Chloroform	ND		0.20	0.012	mg/L			08/21/23 12:33	1
1,2-Dichloroethane	ND		0.20	0.011	mg/L			08/21/23 12:33	1
1,1-Dichloroethene	ND		0.20	0.011	mg/L			08/21/23 12:33	1
Tetrachloroethene	ND		0.20	0.0093	mg/L			08/21/23 12:33	1
Trichloroethene	ND		0.20	0.014	mg/L			08/21/23 12:33	1
Vinyl chloride	ND		0.20	0.0081	mg/L			08/21/23 12:33	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*49 - 118*		*08/21/23 12:33*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 132*		*08/21/23 12:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*52 - 151*		*08/21/23 12:33*	*1*
Toluene-d8 (Surr)	*99*		*53 - 124*		*08/21/23 12:33*	*1*

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

Lab Sample ID: MB 180-444201/1-A
Matrix: Water
Analysis Batch: 444280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/22/23 01:00	08/22/23 13:15	1

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

Lab Sample ID: MB 180-444201/1-A
Matrix: Water
Analysis Batch: 444280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 13:15	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/22/23 01:00	08/22/23 13:15	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/22/23 01:00	08/22/23 13:15	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 13:15	1
2-Methylphenol	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 13:15	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 13:15	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/22/23 01:00	08/22/23 13:15	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/22/23 01:00	08/22/23 13:15	1
Pyridine	ND		0.10	0.0082	mg/L		08/22/23 01:00	08/22/23 13:15	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 13:15	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/22/23 01:00	08/22/23 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*64*		*55 - 105*	*08/22/23 01:00*	*08/22/23 13:15*	*1*
2-Fluorophenol (Surr)	*77*		*55 - 105*	*08/22/23 01:00*	*08/22/23 13:15*	*1*
Nitrobenzene-d5 (Surr)	*78*		*55 - 109*	*08/22/23 01:00*	*08/22/23 13:15*	*1*
Phenol-d5 (Surr)	*76*		*48 - 105*	*08/22/23 01:00*	*08/22/23 13:15*	*1*
Terphenyl-d14 (Surr)	*68*		*37 - 107*	*08/22/23 01:00*	*08/22/23 13:15*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*32 - 115*	*08/22/23 01:00*	*08/22/23 13:15*	*1*

Lab Sample ID: LCS 180-444201/2-A
Matrix: Water
Analysis Batch: 444280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.250	0.191		mg/L		77	61 - 100
2,4-Dinitrotoluene	0.250	0.178		mg/L		71	43 - 100
Hexachlorobenzene	0.250	0.160		mg/L		64	34 - 100
Hexachlorobutadiene	0.250	0.199		mg/L		80	52 - 110
Hexachloroethane	0.250	0.194		mg/L		77	56 - 100
2-Methylphenol	0.250	0.205		mg/L		82	56 - 100
Methylphenol, 3 & 4	0.500	0.423		mg/L		85	59 - 100
Nitrobenzene	0.250	0.205		mg/L		82	60 - 100
Pentachlorophenol	0.250	0.137	J	mg/L		55	14 - 112
Pyridine	0.250	0.243		mg/L		97	54 - 107
2,4,5-Trichlorophenol	0.250	0.185		mg/L		74	53 - 104
2,4,6-Trichlorophenol	0.250	0.187		mg/L		75	53 - 103

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*69*		*55 - 105*
2-Fluorophenol (Surr)	*83*		*55 - 105*
Nitrobenzene-d5 (Surr)	*82*		*55 - 109*
Phenol-d5 (Surr)	*84*		*48 - 105*
Terphenyl-d14 (Surr)	*75*		*37 - 107*
2,4,6-Tribromophenol (Surr)	*73*		*32 - 115*

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

Lab Sample ID: LCSD 180-444201/3-A
Matrix: Water
Analysis Batch: 444280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444201

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.250	0.184		mg/L		73	61 - 100	4	15
2,4-Dinitrotoluene			0.250	0.184		mg/L		73	43 - 100	3	15
Hexachlorobenzene			0.250	0.153		mg/L		61	34 - 100	4	15
Hexachlorobutadiene			0.250	0.205		mg/L		82	52 - 110	3	15
Hexachloroethane			0.250	0.192		mg/L		77	56 - 100	1	15
2-Methylphenol			0.250	0.194		mg/L		78	56 - 100	5	15
Methylphenol, 3 & 4			0.500	0.397		mg/L		79	59 - 100	6	15
Nitrobenzene			0.250	0.199		mg/L		80	60 - 100	3	15
Pentachlorophenol			0.250	0.132	J	mg/L		53	14 - 112	3	18
Pyridine			0.250	0.230		mg/L		92	54 - 107	5	15
2,4,5-Trichlorophenol			0.250	0.186		mg/L		74	53 - 104	1	15
2,4,6-Trichlorophenol			0.250	0.180		mg/L		72	53 - 103	4	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*71*		*55 - 105*
2-Fluorophenol (Surr)	*81*		*55 - 105*
Nitrobenzene-d5 (Surr)	*84*		*55 - 109*
Phenol-d5 (Surr)	*79*		*48 - 105*
Terphenyl-d14 (Surr)	*73*		*37 - 107*
2,4,6-Tribromophenol (Surr)	*71*		*32 - 115*

Lab Sample ID: LB 180-444062/1-E
Matrix: Water
Analysis Batch: 444280

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 444201

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		08/22/23 01:00	08/22/23 15:17	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 15:17	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		08/22/23 01:00	08/22/23 15:17	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		08/22/23 01:00	08/22/23 15:17	1
Hexachloroethane	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 15:17	1
2-Methylphenol	ND		0.050	0.0040	mg/L		08/22/23 01:00	08/22/23 15:17	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 15:17	1
Nitrobenzene	ND		0.050	0.012	mg/L		08/22/23 01:00	08/22/23 15:17	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		08/22/23 01:00	08/22/23 15:17	1
Pyridine	ND		0.10	0.0082	mg/L		08/22/23 01:00	08/22/23 15:17	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		08/22/23 01:00	08/22/23 15:17	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		08/22/23 01:00	08/22/23 15:17	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*55 - 105*	*08/22/23 01:00*	*08/22/23 15:17*	*1*
2-Fluorophenol (Surr)	*77*		*55 - 105*	*08/22/23 01:00*	*08/22/23 15:17*	*1*
Nitrobenzene-d5 (Surr)	*80*		*55 - 109*	*08/22/23 01:00*	*08/22/23 15:17*	*1*
Phenol-d5 (Surr)	*77*		*48 - 105*	*08/22/23 01:00*	*08/22/23 15:17*	*1*
Terphenyl-d14 (Surr)	*71*		*37 - 107*	*08/22/23 01:00*	*08/22/23 15:17*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*32 - 115*	*08/22/23 01:00*	*08/22/23 15:17*	*1*

Method: EPA 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-444200/1-A
Matrix: Water
Analysis Batch: 444331

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		08/22/23 00:05	08/23/23 12:04	1
Endrin	ND		0.00050	0.000091	mg/L		08/22/23 00:05	08/23/23 12:04	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/22/23 00:05	08/23/23 12:04	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/22/23 00:05	08/23/23 12:04	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/22/23 00:05	08/23/23 12:04	1
Methoxychlor	ND		0.00050	0.00031	mg/L		08/22/23 00:05	08/23/23 12:04	1
Toxaphene	ND		0.040	0.020	mg/L		08/22/23 00:05	08/23/23 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*118*		*48 - 137*	*08/22/23 00:05*	*08/23/23 12:04*	*1*
DCB Decachlorobiphenyl (Surr)	*126*		*48 - 137*	*08/22/23 00:05*	*08/23/23 12:04*	*1*
Tetrachloro-m-xylene	*97*		*56 - 137*	*08/22/23 00:05*	*08/23/23 12:04*	*1*
Tetrachloro-m-xylene	*98*		*56 - 137*	*08/22/23 00:05*	*08/23/23 12:04*	*1*

Lab Sample ID: LCS 180-444200/2-A
Matrix: Water
Analysis Batch: 444331

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444200

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endrin			0.0100	0.00992		mg/L		99	72 - 115		
gamma-BHC (Lindane)			0.0100	0.00764		mg/L		76	67 - 120		
Heptachlor			0.0100	0.00829		mg/L		83	71 - 125		
Heptachlor epoxide			0.0100	0.00900		mg/L		90	67 - 123		
Methoxychlor			0.0100	0.00845		mg/L		84	59 - 109		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*114*		*48 - 137*
DCB Decachlorobiphenyl (Surr)	*121*		*48 - 137*
Tetrachloro-m-xylene	*94*		*56 - 137*
Tetrachloro-m-xylene	*96*		*56 - 137*

Lab Sample ID: LCSD 180-444200/3-A
Matrix: Water
Analysis Batch: 444331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444200

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin			0.0100	0.00973		mg/L		97	72 - 115	2	15
gamma-BHC (Lindane)			0.0100	0.00780		mg/L		78	67 - 120	2	18
Heptachlor			0.0100	0.00800		mg/L		80	71 - 125	4	16
Heptachlor epoxide			0.0100	0.00877		mg/L		88	67 - 123	3	15
Methoxychlor			0.0100	0.00824		mg/L		82	59 - 109	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*111*		*48 - 137*
DCB Decachlorobiphenyl (Surr)	*118*		*48 - 137*
Tetrachloro-m-xylene	*92*		*56 - 137*

Method: EPA 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 180-444200/3-A
Matrix: Water
Analysis Batch: 444331

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444200

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	93		56 - 137

Lab Sample ID: LB 180-444062/1-D
Matrix: Water
Analysis Batch: 444331

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 444200

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		08/22/23 00:05	08/23/23 12:51	1
Endrin	ND		0.00050	0.000091	mg/L		08/22/23 00:05	08/23/23 12:51	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		08/22/23 00:05	08/23/23 12:51	1
Heptachlor	ND		0.00050	0.00018	mg/L		08/22/23 00:05	08/23/23 12:51	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		08/22/23 00:05	08/23/23 12:51	1
Methoxychlor	ND		0.00050	0.00031	mg/L		08/22/23 00:05	08/23/23 12:51	1
Toxaphene	ND		0.040	0.020	mg/L		08/22/23 00:05	08/23/23 12:51	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	115		48 - 137	08/22/23 00:05	08/23/23 12:51	1
DCB Decachlorobiphenyl (Surr)	119		48 - 137	08/22/23 00:05	08/23/23 12:51	1
Tetrachloro-m-xylene	91		56 - 137	08/22/23 00:05	08/23/23 12:51	1
Tetrachloro-m-xylene	93		56 - 137	08/22/23 00:05	08/23/23 12:51	1

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

Lab Sample ID: MB 180-444049/1-A
Matrix: Water
Analysis Batch: 444055

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444049

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.40	0.19	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1221	ND		0.40	0.23	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1232	ND		0.40	0.21	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1242	ND		0.40	0.14	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1248	ND		0.40	0.32	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1254	ND		0.40	0.18	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1260	ND		0.40	0.16	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1262	ND		0.40	0.28	ug/L		08/21/23 00:00	08/21/23 19:01	1
PCB-1268	ND		0.40	0.18	ug/L		08/21/23 00:00	08/21/23 19:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	120		68 - 142	08/21/23 00:00	08/21/23 19:01	1
DCB Decachlorobiphenyl (Surr)	115		68 - 142	08/21/23 00:00	08/21/23 19:01	1
Tetrachloro-m-xylene (Surr)	96		57 - 121	08/21/23 00:00	08/21/23 19:01	1
Tetrachloro-m-xylene (Surr)	97		57 - 121	08/21/23 00:00	08/21/23 19:01	1

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

Lab Sample ID: LCS 180-444049/4-A
Matrix: Water
Analysis Batch: 444055

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444049

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			40.0	31.3		ug/L		78	46 - 118		
PCB-1260			40.0	28.7		ug/L		72	56 - 115		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*114*		*68 - 142*
DCB Decachlorobiphenyl (Surr)	*110*		*68 - 142*
Tetrachloro-m-xylene (Surr)	*92*		*57 - 121*
Tetrachloro-m-xylene (Surr)	*91*		*57 - 121*

Lab Sample ID: LCSD 180-444049/5-A
Matrix: Water
Analysis Batch: 444055

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444049

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			40.0	31.6		ug/L		79	46 - 118	1	15
PCB-1260			40.0	29.3		ug/L		73	56 - 115	2	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*114*		*68 - 142*
DCB Decachlorobiphenyl (Surr)	*108*		*68 - 142*
Tetrachloro-m-xylene (Surr)	*93*		*57 - 121*
Tetrachloro-m-xylene (Surr)	*92*		*57 - 121*

Method: EPA 8151A - Herbicides (GC)

Lab Sample ID: MB 180-444202/1-A
Matrix: Water
Analysis Batch: 444767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444202

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/22/23 02:00	08/28/23 07:08	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/22/23 02:00	08/28/23 07:08	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*104*		*48 - 127*	*08/22/23 02:00*	*08/28/23 07:08*	*20*
2,4-Dichlorophenylacetic acid	*100*		*48 - 127*	*08/22/23 02:00*	*08/28/23 07:08*	*20*

Lab Sample ID: LCS 180-444202/2-A
Matrix: Water
Analysis Batch: 444767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-D			0.200	0.201		mg/L		100	23 - 139		
Silvex (2,4,5-TP)			0.0500	0.0541		mg/L		108	33 - 140		

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Method: EPA 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 180-444202/2-A
Matrix: Water
Analysis Batch: 444767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444202

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*103*		*48 - 127*
2,4-Dichlorophenylacetic acid	*93*		*48 - 127*

Lab Sample ID: LCSD 180-444202/3-A
Matrix: Water
Analysis Batch: 444767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444202

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-D			0.200	0.205		mg/L		102	23 - 139	2	35
Silvex (2,4,5-TP)			0.0500	0.0548		mg/L		110	33 - 140	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*101*		*48 - 127*
2,4-Dichlorophenylacetic acid	*96*		*48 - 127*

Lab Sample ID: LB 180-444062/1-F
Matrix: Water
Analysis Batch: 444767

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 444202

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		08/22/23 02:00	08/28/23 09:04	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		08/22/23 02:00	08/28/23 09:04	20

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*106*		*48 - 127*	*08/22/23 02:00*	*08/28/23 09:04*	*20*
2,4-Dichlorophenylacetic acid	*103*		*48 - 127*	*08/22/23 02:00*	*08/28/23 09:04*	*20*

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-444124/1-A
Matrix: Water
Analysis Batch: 444528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444124

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0083	mg/L		08/21/23 12:43	08/23/23 22:17	1
Barium	ND		0.20	0.0063	mg/L		08/21/23 12:43	08/23/23 22:17	1
Cadmium	ND		0.0050	0.00030	mg/L		08/21/23 12:43	08/23/23 22:17	1
Chromium	ND		0.0050	0.0016	mg/L		08/21/23 12:43	08/23/23 22:17	1
Lead	ND		0.010	0.0044	mg/L		08/21/23 12:43	08/23/23 22:17	1
Selenium	ND		0.010	0.0037	mg/L		08/21/23 12:43	08/23/23 22:17	1
Silver	ND		0.0050	0.00091	mg/L		08/21/23 12:43	08/23/23 22:17	1

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

Lab Sample ID: LCS 180-444124/2-A
Matrix: Water
Analysis Batch: 444528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444124

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Cadmium	0.500	0.512		mg/L		102	80 - 120
Chromium	0.500	0.527		mg/L		105	80 - 120
Lead	0.500	0.519		mg/L		104	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	0.250	0.260		mg/L		104	80 - 120

Lab Sample ID: LCSD 180-444124/3-A
Matrix: Water
Analysis Batch: 444528

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 444124

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	1.05		mg/L		105	80 - 120	1	20
Barium	1.00	1.04		mg/L		104	80 - 120	1	20
Cadmium	0.500	0.506		mg/L		101	80 - 120	1	20
Chromium	0.500	0.520		mg/L		104	80 - 120	1	20
Lead	0.500	0.515		mg/L		103	80 - 120	1	20
Selenium	1.00	1.05		mg/L		105	80 - 120	0	20
Silver	0.250	0.255		mg/L		102	80 - 120	2	20

Lab Sample ID: LB 180-444062/1-C
Matrix: Water
Analysis Batch: 444528

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 444124

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10	0.083	mg/L		08/21/23 12:43	08/23/23 23:41	1
Barium	ND		2.0	0.063	mg/L		08/21/23 12:43	08/23/23 23:41	1
Cadmium	ND		0.050	0.0030	mg/L		08/21/23 12:43	08/23/23 23:41	1
Chromium	ND		0.050	0.016	mg/L		08/21/23 12:43	08/23/23 23:41	1
Lead	ND		0.10	0.044	mg/L		08/21/23 12:43	08/23/23 23:41	1
Selenium	ND		0.10	0.037	mg/L		08/21/23 12:43	08/23/23 23:41	1
Silver	ND		0.050	0.0091	mg/L		08/21/23 12:43	08/23/23 23:41	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-444099/1-A
Matrix: Water
Analysis Batch: 444283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/21/23 08:08	08/22/23 10:55	1

Lab Sample ID: LCS 180-444099/2-A
Matrix: Water
Analysis Batch: 444283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00207		mg/L		83	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: LB 180-444062/1-B
Matrix: Water
Analysis Batch: 444283

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 444099

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		08/21/23 08:08	08/22/23 11:10	1

Method: EPA 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 180-444869/1
Matrix: Water
Analysis Batch: 444869

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	81.0	82.30		Degrees F		102	96 - 103

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-444663/4-A
Matrix: Water
Analysis Batch: 444698

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		0.010	0.0080	mg/L		08/25/23 11:00	08/25/23 14:12	1

Lab Sample ID: HLCS 180-444663/2-A
Matrix: Water
Analysis Batch: 444698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444663

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	0.250	0.240		mg/L		96	90 - 110

Lab Sample ID: LCS 180-444663/3-A
Matrix: Water
Analysis Batch: 444698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	0.200	0.198		mg/L		99	85 - 115

Lab Sample ID: LLCS 180-444663/1-A
Matrix: Water
Analysis Batch: 444698

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 444663

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide	0.0500	0.0499		mg/L		100	90 - 110

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

Lab Sample ID: MB 180-444275/2-A
Matrix: Water
Analysis Batch: 444303

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 444275

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		3.0	2.1	mg/L		08/22/23 12:04	08/22/23 17:18	1

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

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

Lab Sample ID: LCS 180-444275/1-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 444303
Prep Batch: 444275

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	17.2	14.9		mg/L		87	85 - 115

Method: EPA 9040C - pH

Lab Sample ID: LCS 180-444809/1
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 444809

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

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

GC/MS VOA

Leach Batch: 444039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 1311	
LB 180-444039/1-A	Method Blank	TCLP	Water	EPA 1311	

Analysis Batch: 444083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 8260C	444039
LB 180-444039/1-A	Method Blank	TCLP	Water	EPA 8260C	444039
LCS 180-444083/3	Lab Control Sample	Total/NA	Water	EPA 8260C	

GC/MS Semi VOA

Leach Batch: 444062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 1311	
LB 180-444062/1-E	Method Blank	TCLP	Water	EPA 1311	

Prep Batch: 444201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	3510C	444062
LB 180-444062/1-E	Method Blank	TCLP	Water	3510C	444062
MB 180-444201/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-444201/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-444201/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 444280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 8270D	444201
LB 180-444062/1-E	Method Blank	TCLP	Water	EPA 8270D	444201
MB 180-444201/1-A	Method Blank	Total/NA	Water	EPA 8270D	444201
LCS 180-444201/2-A	Lab Control Sample	Total/NA	Water	EPA 8270D	444201
LCSD 180-444201/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8270D	444201

GC Semi VOA

Prep Batch: 444049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	3510C	
MB 180-444049/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-444049/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-444049/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 444055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	EPA 8082A	444049
MB 180-444049/1-A	Method Blank	Total/NA	Water	EPA 8082A	444049
LCS 180-444049/4-A	Lab Control Sample	Total/NA	Water	EPA 8082A	444049
LCSD 180-444049/5-A	Lab Control Sample Dup	Total/NA	Water	EPA 8082A	444049

Leach Batch: 444062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 1311	

GC Semi VOA (Continued)

Leach Batch: 444062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 180-444062/1-D	Method Blank	TCLP	Water	EPA 1311	
LB 180-444062/1-F	Method Blank	TCLP	Water	EPA 1311	

Prep Batch: 444200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	3510C	444062
LB 180-444062/1-D	Method Blank	TCLP	Water	3510C	444062
MB 180-444200/1-A	Method Blank	Total/NA	Water	3510C	
LCS 180-444200/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 180-444200/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 444202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	8151A	444062
LB 180-444062/1-F	Method Blank	TCLP	Water	8151A	444062
MB 180-444202/1-A	Method Blank	Total/NA	Water	8151A	
LCS 180-444202/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 180-444202/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 444331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 8081B	444200
LB 180-444062/1-D	Method Blank	TCLP	Water	EPA 8081B	444200
MB 180-444200/1-A	Method Blank	Total/NA	Water	EPA 8081B	444200
LCS 180-444200/2-A	Lab Control Sample	Total/NA	Water	EPA 8081B	444200
LCSD 180-444200/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8081B	444200

Analysis Batch: 444767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 8151A	444202
LB 180-444062/1-F	Method Blank	TCLP	Water	EPA 8151A	444202
MB 180-444202/1-A	Method Blank	Total/NA	Water	EPA 8151A	444202
LCS 180-444202/2-A	Lab Control Sample	Total/NA	Water	EPA 8151A	444202
LCSD 180-444202/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 8151A	444202

Metals

Leach Batch: 444062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 1311	
LB 180-444062/1-B	Method Blank	TCLP	Water	EPA 1311	
LB 180-444062/1-C	Method Blank	TCLP	Water	EPA 1311	

Prep Batch: 444099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	7470A	444062
LB 180-444062/1-B	Method Blank	TCLP	Water	7470A	444062
MB 180-444099/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-444099/2-A	Lab Control Sample	Total/NA	Water	7470A	

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

Metals

Prep Batch: 444124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	3010A	444062
LB 180-444062/1-C	Method Blank	TCLP	Water	3010A	444062
MB 180-444124/1-A	Method Blank	Total/NA	Water	3010A	
LCS 180-444124/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 180-444124/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	

Analysis Batch: 444283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 7470A	444099
LB 180-444062/1-B	Method Blank	TCLP	Water	EPA 7470A	444099
MB 180-444099/1-A	Method Blank	Total/NA	Water	EPA 7470A	444099
LCS 180-444099/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	444099

Analysis Batch: 444528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	TCLP	Water	EPA 6010C	444124
LB 180-444062/1-C	Method Blank	TCLP	Water	EPA 6010C	444124
MB 180-444124/1-A	Method Blank	Total/NA	Water	EPA 6010C	444124
LCS 180-444124/2-A	Lab Control Sample	Total/NA	Water	EPA 6010C	444124
LCSD 180-444124/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 6010C	444124

General Chemistry

Prep Batch: 444275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	9030B	
MB 180-444275/2-A	Method Blank	Total/NA	Water	9030B	
LCS 180-444275/1-A	Lab Control Sample	Total/NA	Water	9030B	

Analysis Batch: 444303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	EPA 9034	444275
MB 180-444275/2-A	Method Blank	Total/NA	Water	EPA 9034	444275
LCS 180-444275/1-A	Lab Control Sample	Total/NA	Water	EPA 9034	444275

Prep Batch: 444663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	9010C	
MB 180-444663/4-A	Method Blank	Total/NA	Water	9010C	
HLCS 180-444663/2-A	Lab Control Sample	Total/NA	Water	9010C	
LCS 180-444663/3-A	Lab Control Sample	Total/NA	Water	9010C	
LLCS 180-444663/1-A	Lab Control Sample	Total/NA	Water	9010C	

Analysis Batch: 444698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	EPA 9014	444663
MB 180-444663/4-A	Method Blank	Total/NA	Water	EPA 9014	444663
HLCS 180-444663/2-A	Lab Control Sample	Total/NA	Water	EPA 9014	444663
LCS 180-444663/3-A	Lab Control Sample	Total/NA	Water	EPA 9014	444663
LLCS 180-444663/1-A	Lab Control Sample	Total/NA	Water	EPA 9014	444663

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-161087-1
Project/Site: Former Sperry Remington-Characterization-Frac Tank

General Chemistry

Analysis Batch: 444809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	EPA 9040C	
LCS 180-444809/1	Lab Control Sample	Total/NA	Water	EPA 9040C	

Analysis Batch: 444869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-161087-1	SSHS-IRM5A2-FRACK TANK2	Total/NA	Water	EPA 1010A	
LCS 180-444869/1	Lab Control Sample	Total/NA	Water	EPA 1010A	

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

Chain of Custody Record

Confirmation

eurofins

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656 1
Client Contact: Mr. Aron Krasnopoler	Phone: 708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 7 day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCLP Volatiles	8270D - TCLP Semivolatiles	8081B - TCLP Pesticides	8151A - TCLP Herbicides	6010C/7470A - TCLP RCRA Metals	9014 - Cyanide	9034/9030B - Sulfide	9046D - pH	1020B - Ignitability	8082A - PCBs			Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-FrackTank2	8/16/23	1400	G	S	N	N	X	X	X	X	X	X	X	X	X	X			17	

180-161087 Chain of Custody

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

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Zach Miller	8/17/23 14:30	Company: Geosyntec		8-18-23 0912	
Relinquished by:	Date/Time.	Company	Received by	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

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

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-161087-1

Login Number: 161087
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☒ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☐ **New York:** Hyland (Angelica, NY)
- ☒ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation

Mailing Address: 3199 Pilot Knob Road

City: Eagan State: MN ZIP Code: 55121

Contact Name: Terry Etter Title: Project Manager

Phone: 651-635-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services

Billing Address: 9977 Sam Houston Pkwy N Ste 100

City: Houston State: TX ZIP Code: 77064

Contact Name: Larry Endicott Title: Senior Project Manager

Phone: 609-357-8470 Fax: _____ Email: larry.endicott@reconservices.com

IV. Consultant/Representative

Company Name: B & B Engineers & Geologists of New York, P.C.

Contact Name: Aron Krasnopoler Title: Senior Engineer

Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity ☒ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): 51,000 ☒ Tons ☐ Cubic Yards ☐ Other: _____

Density of Waste (Approximate): 3,800 Pounds/Cubic Yard

Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☒ Tractor Trailer ☐ Vac Truck ☐ Other: _____

Hauler Name: L&V Smith, Inc.

Mailing Address: 811 Beartown Road Phone: 607-973-2253

Transporter Permit #: 8A-1149 (for State of Disposal)

Previous Disposal Facility (Name): _____

Application Was Submitted to/Approved by Another Disposal Facility (Name): _____

VI. Waste Stream Information

Common Waste Name: Remediation Waste

Location or Address of Waste Generation Site: 777 S Main Street

City: Elmira State: NY ZIP Code: 14904 County: Chemung

Site Type: ☒ Industrial/Manufacturing ☐ Commercial ☐ Residential

☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Site is Former Sperry Remington Site- Northern Portion (NYSDEC #c808022) in Elmira, NY. Sperry Remington operated a typewriter plant at the Site from 1937 to 1972. Manufacturing operations included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining of parts, plating, and degreasing. Waste is from remediation of soils contaminated from historic facility use in the northern athletic fields.

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Waste is uniform in nature with no detectable discoloration or odor. Soil (40,000 tons) is contaminated due to historic industrial use. Concrete and asphalt debris (5,000 tons) includes historic concrete structures anticipated to be encountered during excavation and concrete and asphalt demolition. Additional waste includes land clearing debris generated during perimeter preparation (1,000 tons).

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☐ No

% Solids: 85-90

Odor: None

pH Range: 7.5-9.0

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter

Name (Print): TERRY ETTER Company: UNISYS CORPORATION

Title: PROJECT MANAGER Date: 10/20/21

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab 2 Composite

Sample Source: ____ Boring(s) ____ Test Pit(s) X Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins TestAmerica, Pittsburgh Laboratory Accreditation #: NELAP 1182

Applicable Laboratory Report ID #'s: 180-128025-1

Minimum Requirements

- ☒ TCLP RCRA 8 Metals
- ☒ TCLP Volatile Organic Compounds (VOCs)
- ☒ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☐ TCLP Herbicides
- ☐ TCLP Pesticides
- ☒ Reactive Sulfide
- ☒ Reactive Cyanide
- ☒ Total PCBs
- ☒ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☒ Corrosivity by pH
- ☒ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

A waiver for analyses for TCLP Herbicides and TCLP Pesticides is requested. Herbicides and pesticides are not constituents for concern at the Site based on previous investigations. Waste characterization analyses for herbicides and pesticides as part of previous remedial activities did not have detections that indicated characteristic wastes. Therefore, waste characterization analyses for herbicides and pesticides are not needed.

1 VT only
2 PA only
3 ME only

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 180-128025-1
Client Project/Site: Former Sperry Remington-Characterization

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

Attn: Mr. Aron Krasnopoler

Authorized for release by:
10/16/2021 9:45:59 AM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

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

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

PA Lab ID: 02-00416

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Job ID: 180-128025-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-128025-1

Receipt
The sample was received on 10/5/2021 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

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

GC/MS Semi VOA
Method 8270D: The RPD between the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 180-375081 was above the control limits for the following analyte: Pentachlorophenol. The recoveries were within the control limits.

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

GC Semi VOA
Method 8081B: The continuing calibration verification (CCV) analyzed in batch180-375230 was above criteria on both columns for the following analyte: Toxaphene. As the CCV was high and Toxaphene was not detected in the associated sample, the results were reported.

Method 8082A: The continuing calibration verification (CCV) analyzed in batch 180-374490 (CCV 180-374490/4) was above criteria for aroclor 1248 for 1 peak on column RTX-CLP1 and 1 peak on column RTX-CLP2. Associated sample results for aroclor 1248 did not have these peaks included in the quantitation of the results.

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

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

General Chemistry
Method 9034: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-NH1 (180-128025-1) had the recoveries of sulfide below the control limits. The RPD between the spikes and the recovery of the laboratory control sample were within the control limits.

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

Definitions/Glossary

Client: Geosyntec Consultants, Inc. Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	04-01-22

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

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

Sample Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-128025-1	SSHS-IRM5A2-NH1	Solid	10/04/21 15:30	10/05/21 10:00

Method Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Method	Method Description	Protocol	Laboratory
EPA 8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
EPA 8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
EPA 8081B	Organochlorine Pesticides (GC)	SW846	TAL PIT
EPA 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
EPA 8151A	Herbicides (GC)	SW846	TAL PIT
EPA 6010C	Metals (ICP)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
EPA 1020B	Ignitability, Small Scale Closed-Cup Method	SW846	TAL PIT
EPA 9014	Cyanide	SW846	TAL PIT
EPA 9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
EPA 9045D	pH	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL PIT
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL PIT
3541	Automated Soxhlet Extraction	SW846	TAL PIT
3660B	Sulfur Cleanup	SW846	TAL PIT
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	TAL PIT
5030C	Purge and Trap	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT
8151A	Extraction (Herbicides)	SW846	TAL PIT
9010C	Cyanide, Distillation	SW846	TAL PIT
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL PIT
EPA 1311	TCLP Extraction	SW846	TAL PIT

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-NH1 — Lab Sample ID: 180-128025-1

Date Collected: 10/04/21 15:30 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	EPA 1311			25.22 g	500 mL	374419	10/07/21 15:30	BBB	TAL PIT
TCLP	Analysis	EPA 8260C		1	0.25 mL	5 mL	374495	10/08/21 16:29	KLG	TAL PIT
	Instrument ID: CHHP9									
TCLP	Leach	EPA 1311			100.22 g	2000 mL	374414	10/07/21 15:30	BBB	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	375081	10/13/21 08:00	SNP	TAL PIT
TCLP	Analysis	EPA 8270D		1	1 mL	1 mL	375205	10/14/21 12:00	VVP	TAL PIT
	Instrument ID: CH732									
TCLP	Leach	EPA 1311			100.22 g	2000 mL	374414	10/07/21 15:30	BBB	TAL PIT
TCLP	Prep	3510C			100 mL	40.0 mL	375073	10/13/21 07:00	SNP	TAL PIT
TCLP	Analysis	EPA 8081B		1			375230	10/14/21 11:50	DFE	TAL PIT
	Instrument ID: CHGC17									
TCLP	Leach	EPA 1311			100.22 g	2000 mL	374414	10/07/21 15:30	BBB	TAL PIT
TCLP	Prep	8151A			100 mL	10.0 mL	375083	10/13/21 09:00	SNP	TAL PIT
TCLP	Analysis	EPA 8151A		20			375343	10/15/21 08:55	JMO	TAL PIT
	Instrument ID: CGC1									
TCLP	Leach	EPA 1311			100.22 g	2000 mL	374414	10/07/21 15:30	BBB	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	374565	10/08/21 11:15	KEM	TAL PIT
TCLP	Analysis	EPA 6010C		1			374689	10/10/21 22:55	RJG	TAL PIT
	Instrument ID: C									
TCLP	Leach	EPA 1311			100.22 g	2000 mL	374414	10/07/21 15:30	BBB	TAL PIT
TCLP	Prep	7470A			25 mL	25 mL	374722	10/11/21 09:00	MM1	TAL PIT
TCLP	Analysis	EPA 7470A		1			374809	10/11/21 12:56	KEM	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	2540G		1			374126	10/05/21 19:13	ELS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	EPA 1020B		1			374995	10/12/21 22:49	NAF	TAL PIT
	Instrument ID: K									
Total/NA	Analysis	EPA 9045D		1	20.02 g	20.02 g	374294	10/06/21 15:49	KMM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-NH1 — Lab Sample ID: 180-128025-1

Date Collected: 10/04/21 15:30 — **Matrix: Solid**
Date Received: 10/05/21 10:00 — **Percent Solids: 85.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.1 g	20.0 mL	374315	10/06/21 20:30	CSC	TAL PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	374503	10/08/21 06:28	JMO	TAL PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	374504	10/08/21 06:29	JMO	TAL PIT
Total/NA	Analysis	EPA 8082A		1			374490	10/08/21 18:28	JMO	TAL PIT
	Instrument ID: CHGC20									
Total/NA	Prep	9010C			0.47 g	10 mL	375075	10/13/21 15:45	CMR	TAL PIT
Total/NA	Analysis	EPA 9014		1			375323	10/13/21 19:40	CMR	TAL PIT
	Instrument ID: SEAL2									
Total/NA	Prep	9030B			5.04 mL	50 mL	374235	10/06/21 12:30	CMT	TAL PIT
Total/NA	Analysis	EPA 9034		1			374260	10/06/21 14:46	CMT	TAL PIT
	Instrument ID: Q									

Eurofins TestAmerica, Pittsburgh

Lab Chronicle

Client: Geosyntec Consultants, Inc. Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Leach

BBB = Bailey Bauer
JMO = John Oravec

Batch Type: Prep

CMR = Carl Reagle
CMT = Cassandra Tlumac
CSC = Chayce Cockroft
KEM = Kimberly Mahoney
MM1 = Mary Beth Miller
SNP = Sydney Prugh

Batch Type: Analysis

CMR = Carl Reagle
CMT = Cassandra Tlumac
DFE = David Eppinger
ELS = Edwin Shireman
JMO = John Oravec
KEM = Kimberly Mahoney
KLG = Kathy Gordon
KMM = Kendric Moore
NAF = Nicholas Frankos
RJG = Rob Good
VVP = Vincent Piccolino

Client: Geosyntec Consultants, Inc.
Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-NH1
Lab Sample ID: 180-128025-1
Date Collected: 10/04/21 15:30
Matrix: Solid
Date Received: 10/05/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.10	0.039	mg/L			10/08/21 16:29	1
2-Butanone (MEK)	ND		0.10	0.058	mg/L			10/08/21 16:29	1
Carbon tetrachloride	ND		0.10	0.066	mg/L			10/08/21 16:29	1
Chlorobenzene	ND		0.10	0.032	mg/L			10/08/21 16:29	1
Chloroform	ND		0.10	0.042	mg/L			10/08/21 16:29	1
1,2-Dichloroethane	ND		0.10	0.029	mg/L			10/08/21 16:29	1
1,1-Dichloroethene	ND		0.10	0.057	mg/L			10/08/21 16:29	1
Tetrachloroethene	ND		0.10	0.040	mg/L			10/08/21 16:29	1
Trichloroethene	ND		0.10	0.030	mg/L			10/08/21 16:29	1
Vinyl chloride	ND		0.10	0.073	mg/L			10/08/21 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*49 - 130*		*10/08/21 16:29*	*1*
Dibromofluoromethane (Surr)	*105*		*55 - 134*		*10/08/21 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*44 - 150*		*10/08/21 16:29*	*1*
Toluene-d8 (Surr)	*107*		*61 - 123*		*10/08/21 16:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/13/21 08:00	10/14/21 12:00	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 12:00	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/13/21 08:00	10/14/21 12:00	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/13/21 08:00	10/14/21 12:00	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 12:00	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 12:00	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 12:00	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/13/21 08:00	10/14/21 12:00	1
Pentachlorophenol	ND	*1	0.25	0.0075	mg/L		10/13/21 08:00	10/14/21 12:00	1
Pyridine	ND		0.10	0.0082	mg/L		10/13/21 08:00	10/14/21 12:00	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 12:00	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/13/21 08:00	10/14/21 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*76*		*55 - 105*	*10/13/21 08:00*	*10/14/21 12:00*	*1*
2-Fluorophenol (Surr)	*72*		*55 - 105*	*10/13/21 08:00*	*10/14/21 12:00*	*1*
Nitrobenzene-d5 (Surr)	*77*		*55 - 109*	*10/13/21 08:00*	*10/14/21 12:00*	*1*
Phenol-d5 (Surr)	*69*		*48 - 105*	*10/13/21 08:00*	*10/14/21 12:00*	*1*
Terphenyl-d14 (Surr)	*71*		*37 - 107*	*10/13/21 08:00*	*10/14/21 12:00*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*32 - 115*	*10/13/21 08:00*	*10/14/21 12:00*	*1*

Method: EPA 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		10/13/21 07:00	10/14/21 11:50	1
Endrin	ND		0.00050	0.000091	mg/L		10/13/21 07:00	10/14/21 11:50	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		10/13/21 07:00	10/14/21 11:50	1
Heptachlor	ND		0.00050	0.00018	mg/L		10/13/21 07:00	10/14/21 11:50	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		10/13/21 07:00	10/14/21 11:50	1
Methoxychlor	ND		0.00050	0.00031	mg/L		10/13/21 07:00	10/14/21 11:50	1
Toxaphene	ND		0.040	0.020	mg/L		10/13/21 07:00	10/14/21 11:50	1

Client Sample ID: SSHS-IRM5A2-NH1 — Lab Sample ID: 180-128025-1

Date Collected: 10/04/21 15:30 — **Matrix: Solid**
Date Received: 10/05/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	*78*		*58 - 115*	*10/13/21 07:00*	*10/14/21 11:50*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*58 - 115*	*10/13/21 07:00*	*10/14/21 11:50*	*1*
Tetrachloro-m-xylene	*92*		*43 - 118*	*10/13/21 07:00*	*10/14/21 11:50*	*1*
Tetrachloro-m-xylene	*105*		*43 - 118*	*10/13/21 07:00*	*10/14/21 11:50*	*1*

Method: EPA 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		10/13/21 09:00	10/15/21 08:55	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		10/13/21 09:00	10/15/21 08:55	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*84*		*48 - 127*	*10/13/21 09:00*	*10/15/21 08:55*	*20*
2,4-Dichlorophenylacetic acid	*85*		*48 - 127*	*10/13/21 09:00*	*10/15/21 08:55*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		10/08/21 11:15	10/10/21 22:55	1
Barium	**0.54**	**J**	2.0	0.059	mg/L		10/08/21 11:15	10/10/21 22:55	1
Cadmium	ND		0.50	0.0028	mg/L		10/08/21 11:15	10/10/21 22:55	1
Chromium	ND		0.50	0.019	mg/L		10/08/21 11:15	10/10/21 22:55	1
Lead	ND		0.50	0.029	mg/L		10/08/21 11:15	10/10/21 22:55	1
Selenium	ND		0.50	0.036	mg/L		10/08/21 11:15	10/10/21 22:55	1
Silver	ND		0.50	0.0085	mg/L		10/08/21 11:15	10/10/21 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/11/21 09:00	10/11/21 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**14.2**		0.1	0.1	%			10/05/21 19:13	1
Percent Solids	**85.8**		0.1	0.1	%			10/05/21 19:13	1
Ignitability	**>140**				Degrees F			10/12/21 22:49	1
pH	**7.5**	**HF**	0.1	0.1	SU			10/06/21 15:49	1

Client Sample ID: SSHS-IRM5A2-NH1 — Lab Sample ID: 180-128025-1

Date Collected: 10/04/21 15:30 — **Matrix: Solid**
Date Received: 10/05/21 10:00 — **Percent Solids: 85.8**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.3	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1221	ND		19	6.8	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1232	ND		19	4.7	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1242	ND		19	2.8	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1248	**24**		19	4.6	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1254	**14**	**J**	19	5.8	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1260	ND		19	5.5	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1262	ND		19	6.8	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1
PCB-1268	ND		19	2.6	ug/Kg	☼	10/06/21 20:30	10/08/21 18:28	1

Client: Geosyntec Consultants, Inc.
Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

Client Sample ID: SSHS-IRM5A2-NH1
Lab Sample ID: 180-128025-1
Date Collected: 10/04/21 15:30
Matrix: Solid
Date Received: 10/05/21 10:00
Percent Solids: 85.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*66*		*31 - 150*	*10/06/21 20:30*	*10/08/21 18:28*	*1*
DCB Decachlorobiphenyl (Surr)	*64*		*31 - 150*	*10/06/21 20:30*	*10/08/21 18:28*	*1*
Tetrachloro-m-xylene (Surr)	*67*		*20 - 150*	*10/06/21 20:30*	*10/08/21 18:28*	*1*
Tetrachloro-m-xylene (Surr)	*60*		*20 - 150*	*10/06/21 20:30*	*10/08/21 18:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.21**	**J**	0.25	0.13	mg/Kg	☼	10/13/21 15:45	10/13/21 19:40	1
Sulfide	ND	F1	35	12	mg/Kg	☼	10/06/21 12:30	10/06/21 14:46	1

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

Lab Sample ID: LCS 180-374495/3 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 374495

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0100	0.00936		mg/L		94	70 - 123		
2-Butanone (MEK)			0.0100	0.00965		mg/L		97	24 - 150		
Carbon tetrachloride			0.0100	0.0103		mg/L		103	60 - 130		
Chlorobenzene			0.0100	0.0104		mg/L		104	76 - 130		
Chloroform			0.0100	0.00984		mg/L		98	68 - 120		
1,2-Dichloroethane			0.0100	0.00965		mg/L		97	65 - 133		
1,1-Dichloroethene			0.0100	0.0106		mg/L		106	55 - 128		
Tetrachloroethene			0.0100	0.0113		mg/L		113	56 - 147		
Trichloroethene			0.0100	0.00880		mg/L		88	69 - 123		
Vinyl chloride			0.0100	0.00685		mg/L		69	42 - 149		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*49 - 130*
Dibromofluoromethane (Surr)	*96*		*55 - 134*
1,2-Dichloroethane-d4 (Surr)	*94*		*44 - 150*
Toluene-d8 (Surr)	*107*		*61 - 123*

Lab Sample ID: LB 180-374419/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: TCLP**
Analysis Batch: 374495

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.050	0.020	mg/L			10/08/21 10:02	1
2-Butanone (MEK)	ND		0.050	0.029	mg/L			10/08/21 10:02	1
Carbon tetrachloride	ND		0.050	0.033	mg/L			10/08/21 10:02	1
Chlorobenzene	ND		0.050	0.016	mg/L			10/08/21 10:02	1
Chloroform	ND		0.050	0.021	mg/L			10/08/21 10:02	1
1,2-Dichloroethane	ND		0.050	0.015	mg/L			10/08/21 10:02	1
1,1-Dichloroethene	ND		0.050	0.029	mg/L			10/08/21 10:02	1
Tetrachloroethene	ND		0.050	0.020	mg/L			10/08/21 10:02	1
Trichloroethene	ND		0.050	0.015	mg/L			10/08/21 10:02	1
Vinyl chloride	ND		0.050	0.037	mg/L			10/08/21 10:02	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*49 - 130*		*10/08/21 10:02*	*1*
Dibromofluoromethane (Surr)	*92*		*55 - 134*		*10/08/21 10:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*44 - 150*		*10/08/21 10:02*	*1*
Toluene-d8 (Surr)	*102*		*61 - 123*		*10/08/21 10:02*	*1*

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

Lab Sample ID: MB 180-375081/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375205 **Prep Batch: 375081**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/13/21 08:00	10/14/21 09:07	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 09:07	1

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

Lab Sample ID: MB 180-375081/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375205 **Prep Batch: 375081**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/13/21 08:00	10/14/21 09:07	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/13/21 08:00	10/14/21 09:07	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 09:07	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 09:07	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 09:07	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/13/21 08:00	10/14/21 09:07	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/13/21 08:00	10/14/21 09:07	1
Pyridine	ND		0.10	0.0082	mg/L		10/13/21 08:00	10/14/21 09:07	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 09:07	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/13/21 08:00	10/14/21 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*55 - 105*	*10/13/21 08:00*	*10/14/21 09:07*	*1*
2-Fluorophenol (Surr)	*84*		*55 - 105*	*10/13/21 08:00*	*10/14/21 09:07*	*1*
Nitrobenzene-d5 (Surr)	*90*		*55 - 109*	*10/13/21 08:00*	*10/14/21 09:07*	*1*
Phenol-d5 (Surr)	*84*		*48 - 105*	*10/13/21 08:00*	*10/14/21 09:07*	*1*
Terphenyl-d14 (Surr)	*83*		*37 - 107*	*10/13/21 08:00*	*10/14/21 09:07*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*32 - 115*	*10/13/21 08:00*	*10/14/21 09:07*	*1*

Lab Sample ID: LCS 180-375081/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375205 **Prep Batch: 375081**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.250	0.214		mg/L		86	55 - 100
2,4-Dinitrotoluene	0.250	0.155		mg/L		62	39 - 100
Hexachlorobenzene	0.250	0.145		mg/L		58	28 - 100
Hexachlorobutadiene	0.250	0.218		mg/L		87	47 - 122
Hexachloroethane	0.250	0.227		mg/L		91	53 - 100
2-Methylphenol	0.250	0.211		mg/L		84	52 - 100
Methylphenol, 3 & 4	0.500	0.417		mg/L		83	52 - 104
Nitrobenzene	0.250	0.210		mg/L		84	54 - 101
Pentachlorophenol	0.250	0.147	J	mg/L		59	19 - 100
Pyridine	0.250	0.249		mg/L		100	55 - 118
2,4,5-Trichlorophenol	0.250	0.185		mg/L		74	55 - 104
2,4,6-Trichlorophenol	0.250	0.198		mg/L		79	52 - 106

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*74*		*55 - 105*
2-Fluorophenol (Surr)	*89*		*55 - 105*
Nitrobenzene-d5 (Surr)	*82*		*55 - 109*
Phenol-d5 (Surr)	*85*		*48 - 105*
Terphenyl-d14 (Surr)	*80*		*37 - 107*
2,4,6-Tribromophenol (Surr)	*84*		*32 - 115*

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

Lab Sample ID: LCSD 180-375081/3-A
Matrix: Solid
Analysis Batch: 375205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 375081

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.250	0.209		mg/L		84	55 - 100	2	15
2,4-Dinitrotoluene			0.250	0.152		mg/L		61	39 - 100	2	15
Hexachlorobenzene			0.250	0.129		mg/L		52	28 - 100	11	15
Hexachlorobutadiene			0.250	0.229		mg/L		91	47 - 122	5	15
Hexachloroethane			0.250	0.213		mg/L		85	53 - 100	7	15
2-Methylphenol			0.250	0.191		mg/L		77	52 - 100	10	15
Methylphenol, 3 & 4			0.500	0.384		mg/L		77	52 - 104	8	15
Nitrobenzene			0.250	0.212		mg/L		85	54 - 101	1	15
Pentachlorophenol			0.250	0.0884	J *1	mg/L		35	19 - 100	50	18
Pyridine			0.250	0.219		mg/L		87	55 - 118	13	15
2,4,5-Trichlorophenol			0.250	0.207		mg/L		83	55 - 104	11	15
2,4,6-Trichlorophenol			0.250	0.203		mg/L		81	52 - 106	3	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*55 - 105*
2-Fluorophenol (Surr)	*85*		*55 - 105*
Nitrobenzene-d5 (Surr)	*86*		*55 - 109*
Phenol-d5 (Surr)	*81*		*48 - 105*
Terphenyl-d14 (Surr)	*86*		*37 - 107*
2,4,6-Tribromophenol (Surr)	*90*		*32 - 115*

Lab Sample ID: LB 180-374414/28-E
Matrix: Solid
Analysis Batch: 375205

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 375081

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.050	0.0045	mg/L		10/13/21 08:00	10/14/21 10:11	1
2,4-Dinitrotoluene	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 10:11	1
Hexachlorobenzene	ND		0.050	0.0055	mg/L		10/13/21 08:00	10/14/21 10:11	1
Hexachlorobutadiene	ND		0.050	0.0084	mg/L		10/13/21 08:00	10/14/21 10:11	1
Hexachloroethane	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 10:11	1
2-Methylphenol	ND		0.050	0.0040	mg/L		10/13/21 08:00	10/14/21 10:11	1
Methylphenol, 3 & 4	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 10:11	1
Nitrobenzene	ND		0.050	0.012	mg/L		10/13/21 08:00	10/14/21 10:11	1
Pentachlorophenol	ND		0.25	0.0075	mg/L		10/13/21 08:00	10/14/21 10:11	1
Pyridine	ND		0.10	0.0082	mg/L		10/13/21 08:00	10/14/21 10:11	1
2,4,5-Trichlorophenol	ND		0.050	0.0079	mg/L		10/13/21 08:00	10/14/21 10:11	1
2,4,6-Trichlorophenol	ND		0.050	0.0095	mg/L		10/13/21 08:00	10/14/21 10:11	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*55 - 105*	*10/13/21 08:00*	*10/14/21 10:11*	*1*
2-Fluorophenol (Surr)	*92*		*55 - 105*	*10/13/21 08:00*	*10/14/21 10:11*	*1*
Nitrobenzene-d5 (Surr)	*88*		*55 - 109*	*10/13/21 08:00*	*10/14/21 10:11*	*1*
Phenol-d5 (Surr)	*86*		*48 - 105*	*10/13/21 08:00*	*10/14/21 10:11*	*1*
Terphenyl-d14 (Surr)	*86*		*37 - 107*	*10/13/21 08:00*	*10/14/21 10:11*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*32 - 115*	*10/13/21 08:00*	*10/14/21 10:11*	*1*

Method: EPA 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 180-375073/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 375230 — **Prep Batch: 375073**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		10/13/21 07:00	10/14/21 10:47	1
Endrin	ND		0.00050	0.000091	mg/L		10/13/21 07:00	10/14/21 10:47	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		10/13/21 07:00	10/14/21 10:47	1
Heptachlor	ND		0.00050	0.00018	mg/L		10/13/21 07:00	10/14/21 10:47	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		10/13/21 07:00	10/14/21 10:47	1
Methoxychlor	ND		0.00050	0.00031	mg/L		10/13/21 07:00	10/14/21 10:47	1
Toxaphene	ND		0.040	0.020	mg/L		10/13/21 07:00	10/14/21 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*58 - 115*	*10/13/21 07:00*	*10/14/21 10:47*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*58 - 115*	*10/13/21 07:00*	*10/14/21 10:47*	*1*
Tetrachloro-m-xylene	*102*		*43 - 118*	*10/13/21 07:00*	*10/14/21 10:47*	*1*
Tetrachloro-m-xylene	*115*		*43 - 118*	*10/13/21 07:00*	*10/14/21 10:47*	*1*

Lab Sample ID: LCS 180-375073/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 375230 — **Prep Batch: 375073**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endrin			0.0100	0.00957		mg/L		96	37 - 150		
gamma-BHC (Lindane)			0.0100	0.0113		mg/L		113	50 - 137		
Heptachlor			0.0100	0.0120		mg/L		120	49 - 135		
Heptachlor epoxide			0.0100	0.0118		mg/L		118	49 - 133		
Methoxychlor			0.0100	0.00814		mg/L		81	45 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*84*		*58 - 115*
DCB Decachlorobiphenyl (Surr)	*90*		*58 - 115*
Tetrachloro-m-xylene	*102*		*43 - 118*
Tetrachloro-m-xylene	*114*		*43 - 118*

Lab Sample ID: LCSD 180-375073/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 375230 — **Prep Batch: 375073**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin			0.0100	0.00937		mg/L		94	37 - 150	2	15
gamma-BHC (Lindane)			0.0100	0.0108		mg/L		108	50 - 137	4	18
Heptachlor			0.0100	0.0115		mg/L		115	49 - 135	4	22
Heptachlor epoxide			0.0100	0.0113		mg/L		113	49 - 133	5	15
Methoxychlor			0.0100	0.00763		mg/L		76	45 - 150	6	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*82*		*58 - 115*
DCB Decachlorobiphenyl (Surr)	*87*		*58 - 115*
Tetrachloro-m-xylene	*98*		*43 - 118*
Tetrachloro-m-xylene	*109*		*43 - 118*

Method: EPA 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LB 180-374414/1-F
Matrix: Solid
Analysis Batch: 375230

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 375073

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0050	0.0029	mg/L		10/13/21 07:00	10/14/21 11:34	1
Endrin	ND		0.00050	0.000091	mg/L		10/13/21 07:00	10/14/21 11:34	1
gamma-BHC (Lindane)	ND		0.00050	0.00012	mg/L		10/13/21 07:00	10/14/21 11:34	1
Heptachlor	ND		0.00050	0.00018	mg/L		10/13/21 07:00	10/14/21 11:34	1
Heptachlor epoxide	ND		0.00050	0.00014	mg/L		10/13/21 07:00	10/14/21 11:34	1
Methoxychlor	ND		0.00050	0.00031	mg/L		10/13/21 07:00	10/14/21 11:34	1
Toxaphene	ND		0.040	0.020	mg/L		10/13/21 07:00	10/14/21 11:34	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*58 - 115*	*10/13/21 07:00*	*10/14/21 11:34*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*58 - 115*	*10/13/21 07:00*	*10/14/21 11:34*	*1*
Tetrachloro-m-xylene	*96*		*43 - 118*	*10/13/21 07:00*	*10/14/21 11:34*	*1*
Tetrachloro-m-xylene	*110*		*43 - 118*	*10/13/21 07:00*	*10/14/21 11:34*	*1*

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

Lab Sample ID: MB 180-374315/1-A
Matrix: Solid
Analysis Batch: 374490

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 374315

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1221	ND		17	5.9	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1232	ND		17	4.1	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1242	ND		17	2.4	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1248	ND		17	4.0	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1254	ND		17	5.0	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1260	ND		17	4.7	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1262	ND		17	5.9	ug/Kg		10/06/21 20:30	10/08/21 16:36	1
PCB-1268	ND		17	2.2	ug/Kg		10/06/21 20:30	10/08/21 16:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*79*		*31 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*31 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*71*		*20 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*
Tetrachloro-m-xylene (Surr)	*66*		*20 - 150*	*10/06/21 20:30*	*10/08/21 16:36*	*1*

Lab Sample ID: LCS 180-374315/2-A
Matrix: Solid
Analysis Batch: 374490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 374315

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1330	984		ug/Kg		74	61 - 125		
PCB-1260			1330	1170		ug/Kg		88	57 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*86*		*31 - 150*
DCB Decachlorobiphenyl (Surr)	*82*		*31 - 150*

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

Lab Sample ID: LCS 180-374315/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 374490 **Prep Batch: 374315**

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*87*		*20 - 150*
Tetrachloro-m-xylene (Surr)	*82*		*20 - 150*

Method: EPA 8151A - Herbicides (GC)

Lab Sample ID: MB 180-375083/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375343 **Prep Batch: 375083**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		10/13/21 09:00	10/15/21 05:21	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		10/13/21 09:00	10/15/21 05:21	20

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*48 - 127*	*10/13/21 09:00*	*10/15/21 05:21*	*20*
2,4-Dichlorophenylacetic acid	*80*		*48 - 127*	*10/13/21 09:00*	*10/15/21 05:21*	*20*

Lab Sample ID: LCS 180-375083/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375343 **Prep Batch: 375083**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4-D			0.200	0.163		mg/L		82	23 - 139		
Silvex (2,4,5-TP)			0.0500	0.0415		mg/L		83	33 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*85*		*48 - 127*
2,4-Dichlorophenylacetic acid	*90*		*48 - 127*

Lab Sample ID: LCSD 180-375083/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 375343 **Prep Batch: 375083**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.200	0.158		mg/L		79	23 - 139	3	35
Silvex (2,4,5-TP)			0.0500	0.0428		mg/L		86	33 - 140	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*91*		*48 - 127*
2,4-Dichlorophenylacetic acid	*90*		*48 - 127*

Lab Sample ID: LB 180-374414/1-G **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: TCLP**
Analysis Batch: 375343 **Prep Batch: 375083**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.040	0.020	mg/L		10/13/21 09:00	10/15/21 09:15	20
Silvex (2,4,5-TP)	ND		0.010	0.0064	mg/L		10/13/21 09:00	10/15/21 09:15	20

Method: EPA 8151A - Herbicides (GC) (Continued)

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	87		48 - 127	10/13/21 09:00	10/15/21 09:15	20
2,4-Dichlorophenylacetic acid	84		48 - 127	10/13/21 09:00	10/15/21 09:15	20

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-374565/1-A
Matrix: Solid
Analysis Batch: 374689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 374565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.050	0.0041	mg/L		10/08/21 11:15	10/10/21 21:45	1
Barium	ND		0.20	0.0059	mg/L		10/08/21 11:15	10/10/21 21:45	1
Cadmium	ND		0.050	0.00028	mg/L		10/08/21 11:15	10/10/21 21:45	1
Chromium	ND		0.050	0.0019	mg/L		10/08/21 11:15	10/10/21 21:45	1
Lead	ND		0.050	0.0029	mg/L		10/08/21 11:15	10/10/21 21:45	1
Selenium	ND		0.050	0.0036	mg/L		10/08/21 11:15	10/10/21 21:45	1
Silver	ND		0.050	0.00085	mg/L		10/08/21 11:15	10/10/21 21:45	1

Lab Sample ID: LCS 180-374565/2-A
Matrix: Solid
Analysis Batch: 374689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 374565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.05		mg/L		105	80 - 120
Barium	1.00	0.942		mg/L		94	80 - 120
Cadmium	0.500	0.494		mg/L		99	80 - 120
Chromium	0.500	0.482		mg/L		96	80 - 120
Lead	0.500	0.497		mg/L		99	80 - 120
Selenium	1.00	0.975		mg/L		98	80 - 120
Silver	0.250	0.245		mg/L		98	80 - 120

Lab Sample ID: LB 180-374414/1-B
Matrix: Solid
Analysis Batch: 374689

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 374565

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.041	mg/L		10/08/21 11:15	10/10/21 21:54	1
Barium	ND		2.0	0.059	mg/L		10/08/21 11:15	10/10/21 21:54	1
Cadmium	ND		0.50	0.0028	mg/L		10/08/21 11:15	10/10/21 21:54	1
Chromium	ND		0.50	0.019	mg/L		10/08/21 11:15	10/10/21 21:54	1
Lead	ND		0.50	0.029	mg/L		10/08/21 11:15	10/10/21 21:54	1
Selenium	ND		0.50	0.036	mg/L		10/08/21 11:15	10/10/21 21:54	1
Silver	ND		0.50	0.0085	mg/L		10/08/21 11:15	10/10/21 21:54	1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-374722/1-A
Matrix: Solid
Analysis Batch: 374809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 374722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/11/21 08:59	10/11/21 13:21	1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-374722/2-A
Matrix: Solid
Analysis Batch: 374809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 374722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00204		mg/L		81	80 - 120

Lab Sample ID: LB 180-374414/1-D
Matrix: Solid
Analysis Batch: 374809

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 374722

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00013	mg/L		10/11/21 08:59	10/11/21 12:38	1

Method: EPA 9014 - Cyanide

Lab Sample ID: MB 180-375075/4-A
Matrix: Solid
Analysis Batch: 375323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 375075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.27	mg/Kg		10/13/21 15:45	10/13/21 19:33	1

Lab Sample ID: HLCS 180-375075/2-A
Matrix: Solid
Analysis Batch: 375323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 375075

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.255		mg/Kg		102	90 - 110

Lab Sample ID: LCS 180-375075/3-A
Matrix: Solid
Analysis Batch: 375323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 375075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	23.1	21.5		mg/Kg		93	17 - 163

Lab Sample ID: LLCS 180-375075/1-A
Matrix: Solid
Analysis Batch: 375323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 375075

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0497		mg/Kg		99	90 - 110

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

Lab Sample ID: MB 180-374235/1-A
Matrix: Solid
Analysis Batch: 374260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 374235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		30	10	mg/Kg		10/06/21 12:30	10/06/21 14:38	1

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

Lab Sample ID: LCS 180-374235/2-A
Matrix: Solid
Analysis Batch: 374260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 374235

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			129	115		mg/Kg		90	85 - 115		

Lab Sample ID: 180-128025-1 MS
Matrix: Solid
Analysis Batch: 374260

Client Sample ID: SSHS-IRM5A2-NH1
Prep Type: Total/NA
Prep Batch: 374235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide	ND	F1	151	115		mg/Kg	☼	76	75 - 125		

Lab Sample ID: 180-128025-1 MSD
Matrix: Solid
Analysis Batch: 374260

Client Sample ID: SSHS-IRM5A2-NH1
Prep Type: Total/NA
Prep Batch: 374235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND	F1	150	108	F1	mg/Kg	☼	72	75 - 125	7	20

Method: EPA 9045D - pH

Lab Sample ID: LCS 180-374294/1
Matrix: Solid
Analysis Batch: 374294

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

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

GC/MS VOA

Leach Batch: 374419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 1311	
LB 180-374419/1-A	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 374495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 8260C	374419
LB 180-374419/1-A	Method Blank	TCLP	Solid	EPA 8260C	374419
LCS 180-374495/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	

GC/MS Semi VOA

Leach Batch: 374414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 1311	
LB 180-374414/28-E	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 375081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	3510C	374414
LB 180-374414/28-E	Method Blank	TCLP	Solid	3510C	374414
MB 180-375081/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-375081/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-375081/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 375205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 8270D	375081
LB 180-374414/28-E	Method Blank	TCLP	Solid	EPA 8270D	375081
MB 180-375081/1-A	Method Blank	Total/NA	Solid	EPA 8270D	375081
LCS 180-375081/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	375081
LCSD 180-375081/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8270D	375081

GC Semi VOA

Prep Batch: 374315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	3541	
MB 180-374315/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-374315/2-A	Lab Control Sample	Total/NA	Solid	3541	

Leach Batch: 374414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 1311	
LB 180-374414/1-F	Method Blank	TCLP	Solid	EPA 1311	
LB 180-374414/1-G	Method Blank	TCLP	Solid	EPA 1311	

Analysis Batch: 374490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 8082A	374504
MB 180-374315/1-A	Method Blank	Total/NA	Solid	EPA 8082A	374315
LCS 180-374315/2-A	Lab Control Sample	Total/NA	Solid	EPA 8082A	374315

QC Association Summary

Client: Geosyntec Consultants, Inc.
Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

GC Semi VOA

Cleanup Batch: 374503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	3665A	374315

Cleanup Batch: 374504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	3660B	374503

Prep Batch: 375073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	3510C	374414
LB 180-374414/1-F	Method Blank	TCLP	Solid	3510C	374414
MB 180-375073/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 180-375073/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 180-375073/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 375083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	8151A	374414
LB 180-374414/1-G	Method Blank	TCLP	Solid	8151A	374414
MB 180-375083/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 180-375083/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 180-375083/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 375230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 8081B	375073
LB 180-374414/1-F	Method Blank	TCLP	Solid	EPA 8081B	375073
MB 180-375073/1-A	Method Blank	Total/NA	Solid	EPA 8081B	375073
LCS 180-375073/2-A	Lab Control Sample	Total/NA	Solid	EPA 8081B	375073
LCSD 180-375073/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8081B	375073

Analysis Batch: 375343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 8151A	375083
LB 180-374414/1-G	Method Blank	TCLP	Solid	EPA 8151A	375083
MB 180-375083/1-A	Method Blank	Total/NA	Solid	EPA 8151A	375083
LCS 180-375083/2-A	Lab Control Sample	Total/NA	Solid	EPA 8151A	375083
LCSD 180-375083/3-A	Lab Control Sample Dup	Total/NA	Solid	EPA 8151A	375083

Metals

Leach Batch: 374414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 1311	
LB 180-374414/1-B	Method Blank	TCLP	Solid	EPA 1311	
LB 180-374414/1-D	Method Blank	TCLP	Solid	EPA 1311	

Prep Batch: 374565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	3010A	374414
LB 180-374414/1-B	Method Blank	TCLP	Solid	3010A	374414
MB 180-374565/1-A	Method Blank	Total/NA	Solid	3010A	

Metals (Continued)

Prep Batch: 374565 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-374565/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 374689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 6010C	374565
LB 180-374414/1-B	Method Blank	TCLP	Solid	EPA 6010C	374565
MB 180-374565/1-A	Method Blank	Total/NA	Solid	EPA 6010C	374565
LCS 180-374565/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	374565

Prep Batch: 374722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	7470A	374414
LB 180-374414/1-D	Method Blank	TCLP	Solid	7470A	374414
MB 180-374722/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 180-374722/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 374809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	TCLP	Solid	EPA 7470A	374722
LB 180-374414/1-D	Method Blank	TCLP	Solid	EPA 7470A	374722
MB 180-374722/1-A	Method Blank	Total/NA	Solid	EPA 7470A	374722
LCS 180-374722/2-A	Lab Control Sample	Total/NA	Solid	EPA 7470A	374722

General Chemistry

Analysis Batch: 374126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	2540G	

Prep Batch: 374235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	9030B	
MB 180-374235/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 180-374235/2-A	Lab Control Sample	Total/NA	Solid	9030B	
180-128025-1 MS	SSHS-IRM5A2-NH1	Total/NA	Solid	9030B	
180-128025-1 MSD	SSHS-IRM5A2-NH1	Total/NA	Solid	9030B	

Analysis Batch: 374260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 9034	374235
MB 180-374235/1-A	Method Blank	Total/NA	Solid	EPA 9034	374235
LCS 180-374235/2-A	Lab Control Sample	Total/NA	Solid	EPA 9034	374235
180-128025-1 MS	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 9034	374235
180-128025-1 MSD	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 9034	374235

Analysis Batch: 374294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 9045D	
LCS 180-374294/1	Lab Control Sample	Total/NA	Solid	EPA 9045D	

QC Association Summary

Client: Geosyntec Consultants, Inc. Job ID: 180-128025-1
Project/Site: Former Sperry Remington-Characterization

General Chemistry

Analysis Batch: 374995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 1020B	

Prep Batch: 375075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	9010C	
MB 180-375075/4-A	Method Blank	Total/NA	Solid	9010C	
HLCS 180-375075/2-A	Lab Control Sample	Total/NA	Solid	9010C	
LCS 180-375075/3-A	Lab Control Sample	Total/NA	Solid	9010C	
LLCS 180-375075/1-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 375323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-128025-1	SSHS-IRM5A2-NH1	Total/NA	Solid	EPA 9014	375075
MB 180-375075/4-A	Method Blank	Total/NA	Solid	EPA 9014	375075
HLCS 180-375075/2-A	Lab Control Sample	Total/NA	Solid	EPA 9014	375075
LCS 180-375075/3-A	Lab Control Sample	Total/NA	Solid	EPA 9014	375075
LLCS 180-375075/1-A	Lab Control Sample	Total/NA	Solid	EPA 9014	375075

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

Chain of Custody Record

Non Haz
Waste Characterization

eurofins | Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	Phone: 412-522-9146	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4'th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 5 Day			
State, Zip: MD, 21044				
Phone: 410-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site-	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	8260C - TCLP Volatiles	8270D - TCLP Semivolatiles	8081B - TCLP Pesticides	8151A - TCLP Herbicides	6010C/7470A - TCLP RCRA Metals	9034/9030B - Sulfide	9045D - pH	1020B - Ignitability	8082A - PCBs	9014 - Cyanide			Total Number of containers	Special Instructions/Note:
			Preservation Code:				FJ	N	N	N	N									
SSHS-IRM5A2-NH1	10/4/21	15:30	C	Solid	N	N	X	X	X	X	X	X	X	X	X	X			1	

180-128025 Chain of Custody

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Miranda Stelmach	10/4/21 17:00	Geosyntec		10/5/21 1000	EMAP,IT
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

10/16/2021

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-128025-1

Login Number: 128025
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins TestAmerica, Pittsburgh

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

From: Karen Flanders
Sent: Sunday, June 19, 2022 10:58 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approved total project increase of 2,500 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-92, NH-93, NH94, NH95 and NH-96 (500 tons/pile) as represented by attached analytical. Total Tons Approved To-Date = 59,150 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585)466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-92), intended use (ADC) and Profile # (23938) on the manifest.

Material represented by Sample ID CB3-TCLP is NOT Applicable to this request and must be segregated at the project site.

All Other Conditions Apply.

From: Special Waste
Sent: Thursday, June 16, 2022 2:30 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>;

joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approved total project increase of 1,000 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-90 and NH-91 (500 tons/pile) as represented by attached analytical. Total Tons Approved To-Date = 56,650 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585)466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-90), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, May 27, 2022 4:40 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approved total project increase of 2,500 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-80, NH-81, NH-82, NH-83 and NH-84 (500 tons/pile) as represented by attached analytical. Total Tons Approved To-Date = 55,650 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note: **Expiration Extended to 7/1/2022.**

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-80), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Special Waste
Sent: Thursday, May 19, 2022 12:20 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: **Approved total project increase of 1,500 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-76, NH-78, and NH-79 (500 tons/pile) as represented by attached analytical. Total Tons Approved To-Date = 53,150 tons.** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Please note, Stockpile NH-77 is EXCLUDED and should be segregated at the job-site.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-76), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, April 27, 2022 7:41 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: **Approved total project increase of 1,000 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-74 and NH-75 (500 tons/pile) as represented by attached analytical.** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

UPDATE: **Expiration Date Extended to 5/31/2022**.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-74), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Friday, April 22, 2022 4:54 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman

<michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 1,000 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-72 and NH-73 (500 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-72), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, April 14, 2022 12:25 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 1,000 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-70 and NH-71 (500 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description,

Source Area/Stockpile (i.e. IRM5A2 NH-70), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Monday, April 11, 2022 1:53 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional material from IRM5A2 Area 2 Reuse Soil Stockpiles A2A70 and A2A89-A2A100 (200 tons/pile) as represented by attached analytical. Current approved volume = 48,650; received to-date = 32,015 tons. No additional tonnage increase needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 - Area 2 A2A70), intended use (ADC) and Profile #23938 on the manifest.

All Other Conditions Apply.

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	Approval Date
Area 2 - A2A70	200	180-133611	4/11/2022	Not Req'd	1.7	4/11/2022
(Reuse Soil Stockpile Area 2 - A2A70 was pending Contained-In Determination; rec'd 4/11/2022)						
Area 2 - A2A89	200	180-134729	4/11/2022	Not Req'd	0.16	4/11/2022
Area 2 - A2A90	200	180-134729	4/11/2022	Not Req'd	0.94	4/11/2022
Area 2 - A2A91	200	180-134729	4/11/2022	Not Req'd	1.12	4/11/2022
Area 2 - A2A92	200	180-134729	4/11/2022	Not Req'd	0.79	4/11/2022
Area 2 - A2A93	200	180-134729	4/11/2022	Not Req'd	2.49	4/11/2022
Area 2 - A2A94	200	180-134729	4/11/2022	Not Req'd	0.06	4/11/2022
Area 2 - A2A95	200	180-134729	4/11/2022	Not Req'd	0.61	4/11/2022
Area 2 - A2A96	200	180-134729	Not Req'd	Not Req'd	0.24	4/11/2022
Area 2 - A2A97	200	180-134842	Not Req'd	Not Req'd	0.30	4/11/2022
Area 2 - A2A98	200	180-134842	Not Req'd	Not Req'd	0.91	4/11/2022
Area 2 - A2A99	200	180-134842	Not Req'd	Not Req'd	0.24	4/11/2022
Area 2 - A2A100	200	180-134842	Not Req'd	Not Req'd	0.27	4/11/2022

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, April 8, 2022 11:19 AM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; scott.sutton@keller-na.com; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional material from IRM5A2 Area 2 Reuse Soil Stockpiles A2A71-A2A88 (200 tons/pile) as represented by attached analytical. Current approved volume = 48,650; received to-date = 31,260 tons. No additional tonnage increase needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

~~**Soil Stockpiles Represented by IRM5A2 Area 2 - A2A70 is pending NYSDEC Contained-In Determination; NOT ACCEPTABLE / EXCLUDED and must be segregated at the job site.**~~

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 - Area 2 A2A71), intended use (ADC) and Profile #23938 on the manifest.

All Other Conditions Apply.

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	Approval Date
Area 2 - A2A70	----	----	PENDING	----	----	Pending
Area 2 - A2A71	200	180-134147	Not Req'd	Not Req'd	1.26	4/8/2022
Area 2 - A2A72	200	180-134147	Not Req'd	Not Req'd	0.07	4/8/2022
Area 2 - A2A73	200	180-134147	Not Req'd	Not Req'd	0.06	4/8/2022
Area 2 - A2A74	200	180-134147	Not Req'd	Not Req'd	0.63	4/8/2022
Area 2 - A2A75	200	180-134147	Not Req'd	Not Req'd	0.75	4/8/2022
Area 2 - A2A76	200	180-134147	Not Req'd	Not Req'd	0.67	4/8/2022
Area 2 - A2A77	200	180-134147	Not Req'd	Not Req'd	1.20	4/8/2022
Area 2 - A2A78	200	180-134244	Not Req'd	Not Req'd	1.81	4/8/2022
Area 2 - A2A79	200	180-134308	Not Req'd	Not Req'd	0.72	4/8/2022
Area 2 - A2A80	200	180-134308	Not Req'd	Not Req'd	0.77	4/8/2022
Area 2 - A2A81	200	180-134308	Not Req'd	Not Req'd	0.92	4/8/2022
Area 2 - A2A82	200	180-134308	Not Req'd	Not Req'd	7.00	4/8/2022
Area 2 - A2A83	200	180-134308	Not Req'd	Not Req'd	0.06	4/8/2022
Area 2 - A2A84	200	180-134308	Not Req'd	Not Req'd	0.15	4/8/2022
Area 2 - A2A85	200	180-134308	Not Req'd	Not Req'd	4.27	4/8/2022
Area 2 - A2A86	200	180-134308	Not Req'd	Not Req'd	0.38	4/8/2022
Area 2 - A2A87	200	180-134308	Not Req'd	Not Req'd	0.26	4/8/2022
Area 2 - A2A88	200	180-134308	Not Req'd	Not Req'd	0.51	4/8/2022

From: Karen Flanders
Sent: Wednesday, April 6, 2022 11:58 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special

Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional material from IRM5A2 Area 2 Reuse Soil Stockpiles A2A56-A2A58 and A2A60-A2A64 and A2A66-A2A69 (200 tons/pile) as represented by attached analytical. Current approved volume = 48,650; received to-date = 26,600 tons. No additional tonnage increase needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Soil Stockpiles Represented by IRM5A2 Area 2 - A2A59 and Area 2 - A265 are NOT ACCEPTABLE / EXCLUDED and must be segregated at the job site.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 - Area 2 A2A56), intended use (ADC) and Profile #23938 on the manifest.

All Other Conditions Apply.

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	Approval Date
Area 2 - A2A56	200	180-132316	Not Req'd	Not Req'd	0.137	4/6/2022
Area 2 - A2A57	200	180-132316	Not Req'd	Not Req'd	0.065	4/6/2022
Area 2 - A2A58	200	180-132316	Not Req'd	Not Req'd	0.85	4/6/2022
Area 2 - A2A59	Excluded	HAZARDOUS for PCBs > 50 ppm			> 50 ppm	Excluded
Area 2 - A2A60	200	180-132484	Not Req'd	Not Req'd	10.10	2/24/2022
Area 2 - A2A61	200	180-132484	Not Req'd	Not Req'd	5.06	4/6/2022
Area 2 - A2A62	200	180-132484	Not Req'd	Not Req'd	1.54	4/6/2022
Area 2 - A2A63	200	180-132484	Not Req'd	Not Req'd	2.205	4/6/2022
Area 2 - A2A64	200	180-132484	Not Req'd	Not Req'd	0.76	4/6/2022
Area 2 - A2A65	Excluded	HAZARDOUS for PCBs > 50 ppm			> 50 ppm	Excluded
Area 2 - A2A66	200	180-133346	Not Req'd	Not Req'd	0.319	4/6/2022
Area 2 - A2A67	200	180-133346	Not Req'd	Not Req'd	0.423	4/6/2022
Area 2 - A2A68	200	180-133533	Not Req'd	Not Req'd	ND	4/6/2022
Area 2 - A2A69	200	180-133533	Not Req'd	Not Req'd	0.061	4/6/2022

From: Karen Flanders
Sent: Tuesday, April 5, 2022 6:34 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach

<MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: **Approved additional material from IRM5A2 Area 2 Reuse Soil Stockpiles A2A25-A2A55 (200 tons/pile) as represented by attached analytical. Current approved volume = 48,650; received to-date = 26,600 tons. No additional tonnage increase needed.** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 - Area 2 A2A25), intended use (ADC) and Profile #23938 on the manifest.

All Other Conditions Apply.

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	Approval Date
Area 2 - A2A25	200	180-130216	12/21/2021	Not Req'd	ND	4/5/2022
Area 2 - A2A26	200	180-130216	12/21/2021	Not Req'd	0.07	4/5/2022
Area 2 - A2A27	200	180-130217	12/21/2021	Not Req'd	0.17	4/5/2022
Area 2 - A2A28	200	180-131934	Not Req'd	Not Req'd	0.07	4/5/2022
Area 2 - A2A29	200	180-131934	Not Req'd	Not Req'd	0.32	4/5/2022
Area 2 - A2A30	200	180-131934	Not Req'd	Not Req'd	2.12	4/5/2022
Area 2 - A2A31	200	180-131934	Not Req'd	Not Req'd	0.80	4/5/2022
Area 2 - A2A32	200	180-132006	2/11/2022	Not Req'd	7.20	4/5/2022
Area 2 - A2A33	200	180-132006	2/11/2022	Not Req'd	10.50	3/2/2022
Area 2 - A2A34	200	180-132006	2/11/2022	Not Req'd	0.011	4/5/2022
Area 2 - A2A35	200	180-132006	2/11/2022	Not Req'd	0.013	4/5/2022
Area 2 - A2A36	200	180-132142	2/16/2022	Not Req'd	ND	4/5/2022
Area 2 - A2A37	200	180-132142	2/18/2022	Not Req'd	1.84	3/14/2022
Area 2 - A2A38	200	180-132142	2/16/2022	Not Req'd	0.44	4/5/2022
Area 2 - A2A39	200	180-132142	2/16/2022	Not Req'd	0.023	4/5/2022
Area 2 - A2A40	200	180-132142	2/16/2022	Not Req'd	0.041	4/5/2022
Area 2 - A2A41	200	180-132142	2/16/2022	Not Req'd	0.05	4/5/2022
Area 2 - A2A42	200	180-132142	2/16/2022	Not Req'd	ND	4/5/2022
Area 2 - A2A43	200	180-132142	2/16/2022	Not Req'd	ND	4/5/2022
Area 2 - A2A44	200	180-132196	2/22/2022	Not Req'd	0.087	4/5/2022
Area 2 - A2A45	200	180-132196	2/22/2022	Not Req'd	0.089	4/5/2022
Area 2 - A2A46	200	180-132196	2/22/2022	Not Req'd	0.0213	4/5/2022
Area 2 - A2A47	200	180-132196	2/22/2022	Not Req'd	0.039	4/5/2022
Area 2 - A2A48	200	180-132196	2/22/2022	Not Req'd	0.035	4/5/2022
Area 2 - A2A49	200	180-132196	2/22/2022	Not Req'd	0.08	4/5/2022
Area 2 - A2A50	200	180-132196	2/22/2022	TCLP (Cr = ND)	10.7	2/24/2022
Area 2 - A2A51	200	180-132196	2/22/2022	Not Req'd	15.3	4/5/2022
Area 2 - A2A52	200	180-132196	2/22/2022	Not Req'd	14.4	4/5/2022
Area 2 - A2A53	200	180-132252	Not Req'd	Not Req'd	0.138	4/5/2022
Area 2 - A2A54	200	180-132252	Not Req'd	Not Req'd	0.058	4/5/2022
Area 2 - A2A55	200	180-132252	Not Req'd	Not Req'd	0.035	4/5/2022

From: Karen Flanders
Sent: Sunday, April 3, 2022 10:12 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>;

edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional material from IRM5A2 Area 2 Reuse Soil Stockpiles A2A1-A2A15 and A2A17-A2A18 and A2A20-A2A22 and A2A24 (200 tons/pile) as represented by attached analytical. Current approved volume = 48,650; received to-date = 26,600 tons. No additional tonnage increase needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Soil Stockpiles Represented by IRM5A2 Area 2 - A2A16, Area 2 - A2A19 and Area 2 - A2A23 are NOT ACCEPTABLE / EXCLUDED and must be segregated at the job site.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 - Area 2 A2A1), intended use (ADC) and Profile #23938 on the manifest.

All Other Conditions Apply.

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	Approval Date
Area 2 - A2A1	200	180-129952	12/17/2021	Not Req'd	0.21	4/3/2022
Area 2 - A2A2	200	180-129952	12/17/2021	Not Req'd	0.12	4/3/2022
Area 2 - A2A3	200	180-129952	12/17/2021	Not Req'd	0.27	4/3/2022
Area 2 - A2A4	200	180-130004	12/13/2021	Not Req'd	0.08	4/3/2022
Area 2 -A2A5	200	180-130004	12/13/2021	Not Req'd	0.06	4/3/2022
Area 2 - A2A6	200	180-130004	12/13/2021	Not Req'd	15.7	12/22/2021
Area 2 - A2A7	200	180-130004	12/13/2021	Not Req'd	11.0	12/22/2021
Area 2 - A2A8	200	180-130004	12/13/2021	Not Req'd	0.07	4/3/2022
Area 2 - A2A9	200	180-130004	12/13/2021	Not Req'd	0.172	4/3/2022
Area 2 - A2A10	200	180-130004	12/13/2021	Not Req'd	7.60	4/3/2022
Area 2 - A2A11	200	180-130004	12/13/2021	Not Req'd	1.92	4/3/2022
Area 2 - A2A12	200	180-130004	12/13/2021	Not Req'd	0.32	4/3/2022
Area 2 - A2A13	200	180-130004	12/13/2021	TCLP (Lead = ND)	0.23	4/3/2022
Area 2 - A2A14	200	180-130057	12/21/2021	Not Req'd	0.79	4/3/2022
Area 2 - A2A15	200	180-130057	12/21/2021	Not Req'd	11.90	1/15/2022
Area 2 - A2A16	Excluded	180-130057	HAZARDOUS for PCBs > 50 ppm		> 50 ppm	Excluded
Area 2 - A2A17	200	180-130057	1/5/2022	TCLP (Lead = 0.04)	0.59	4/3/2022
Area 2 - A2A18	200	180-130057	12/21/2021	Not Req'd	0.29	4/3/2022
Area 2 - A2A19	Excluded	180-130126	HAZARDOUS for PCBs > 50 ppm		> 50 ppm	Excluded
Area 2 - A2A20	200	180-130126	12/21/2021	Not Req'd	0.54	4/3/2022
Area 2 - A2A21	200	180-130126	12/21/2021	Not Req'd	1.34	1/25/2022
Area 2 - A2A22	200	180-130126	12/21/2021	Not Req'd	4.00	4/3/2022
Area 2 - A2A23	Excluded	180-130126	HAZARDOUS for PCBs > 50 ppm		> 50 ppm	Excluded
Area 2 - A2A24	200	180-130126	12/21/2021	Not Req'd	0.46	4/3/2022

From: Karen Flanders
Sent: Monday, March 28, 2022 9:16 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>

Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 500 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-55 (500 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-55), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Special Waste
Sent: Sunday, March 27, 2022 10:13 PM
To: Special Waste <Special.Waste@casella.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 4,000 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-62, NH-63, NH-64, NH-65, NH-66, NH-67, NH-68, NH-69 (500 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-62), intended use (ADC) and Profile # (23938) on the manifest.

All Other Conditions Apply.

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, March 18, 2022 2:06 PM
To: Special Waste <Special.Waste@casella.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for an **additional 3,000 tons of soil** from **IRM5A2 Non-Hazardous Stockpiles NH-56, NH-57, NH-58, NH-59, NH-60, NH-61 (500 tons each)** represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. IRM5A2 NH-56), intended use (ADC) and Profile # (23938) on the manifest.

From: Special Waste
Sent: Monday, March 14, 2022 11:21 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 2,200 tons; includes IRM5A2 Non-Hazardous Stockpiles (500 tons/pile) NH-51, NH-52, NH-53, NH-54 and Reuse Stockpile A37 (200 tons/pile). Material as represented by attached analytical and NYSDEC Contained-In Determination. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Please ensure all loads are delivered with a manifest; including Profile #, Sample/Stockpile IDs and Generator Information.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, March 2, 2022 4:38 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; LARRY.ENDICOTT@KELLER-NA.COM; scott.sutton@keller-na.com; kyle.cunningham@keller-na.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved total project increase of 2,700 tons; includes IRM5A2 Non-Hazardous Stockpiles NH-46, NH-47, NH-48, NH-49 and NH-50 as represented by attached analytical (500 tons/pile) and IRM5A2 Reuse Stockpile A2-A-33 as represented by attached analytical and Contained-In Determination (200 tons/pile). The remaining soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Please ensure all loads are delivered with a manifest; including Profile #, Sample/Stockpile IDs and Generator Information.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, February 24, 2022 9:22 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda

McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional 3,000 tons of soil as represented by attached analytical includes: IRM5A2 Non-Hazardous Stockpiles NH-40, NH-41, NH-42, NH-43, NH-44, and NH-45 (500 tons/pile). Total approved-to-date = 36,250 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

UPDATE: **K&L Trucking** added as an additional hauler (Part 364 Permit attached).

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, February 16, 2022 10:30 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approved additional 3,000 tons of soil as represented by attached analytical includes: IRM5A2 Non-Hazardous Stockpiles NH-34, NH-35, NH-36, NH-37, NH-38, and NH-39 (500 tons/pile). Total approved-to-date = 33,250 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Sunday, February 13, 2022 9:34 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 400 tons (total approved-to-date = 30,250 tons). Approved soil as represented by attached analytical includes: 400 tons from IRM5A2 Reuse Stockpiles A50 and A60, (200 tons/pile). The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Friday, January 28, 2022 8:14 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Additional Transporters

UPDATE: **KA Transport, Edger Enterprises, and Edger Civil** added as an additional haulers.

From: Special Waste <Special.Waste@casella.com>
Sent: Tuesday, January 25, 2022 10:00 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 200 tons (total approved-to-date = 29,850 tons). Approved soil as represented by attached analytical includes: 200 tons from IRM5A2 Reuse Stockpile A21. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Saturday, January 15, 2022 8:45 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 1,700 tons (total approved-to-date = 29,650 tons). Approved soil as represented by attached analytical includes: 200 tons from IRM5A2 Reuse Stockpile A15 and 1,500 tons from IRM5A2 Non-Hazardous Stockpiles NH-31, NH-32, NH-33 (500 tons/pile). The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, January 5, 2022 9:18 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 1,500 tons (total approved-to-date = 27,950 tons). Approved soil as represented by attached analytical includes: 1,500 tons from IRM5A2 Non-Hazardous Stockpiles NH-28, NH-29, and NH-30. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, December 22, 2021 8:44 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling

<Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 3,900 tons (total approved-to-date = 26,450 tons). Approved soil as represented by attached analytical includes: 400 tons from IRM5A2 Reuse Stockpiles A6 and A7 (200 tons/pile) and 3,500 tons from IRM5A2 Non-Hazardous Stockpiles NH-21, NH-22, NH-23, NH-24, NH-25, NH-26 and NH-27 (500 tons/pile). The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Thursday, December 2, 2021 11:03 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 4,550 tons as represented by attached analytical. Approved soil includes: 3,000 tons from IRM5A2 Non-Hazardous Stockpiles NH-15, NH-16, NH-17, NH-18, NH-19, NH-20, (500 tons/pile), 800 tons from IRM5A2 Reuse Soil Stockpiles A43, A45, A58 and A59 (200 tons/pile) and 750 tons from C1, C2 and C3 (250 tons/sample) in Excavation Zone A2. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Karen Flanders
Sent: Thursday, November 18, 2021 4:36 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 2,600 tons from IRM5A2 Reuse Stockpiles A41, A42, A44, A46, A47, A48, A49, A50, A51, A52, A55, A56, A57 (200 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

~~PLEASE NOTE: Reuse Stockpile A43 and A45 awaiting further review and NOT APPROVED AT THIS TIME. This soil must be segregated at the project site.~~

All Other Conditions Apply.

From: Karen Flanders
Sent: Thursday, November 18, 2021 1:07 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>

Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 3,000 tons from IRM5A2 Non-Hazardous Stockpiles NH-8, NH-9, NH-11, NH-12, NH-13 and NH-14 (500 tons/pile) as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Karen Flanders
Sent: Monday, November 15, 2021 9:09 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>; 'kyle.cunningham@reconservices.com' <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 1,400 tons. Approval for 1,000 tons from IRM5A2 Non-Hazardous Stockpiles NH-7 and NH-10 as represented by attached analytical. Approval for 400 tons from IRM5A2 Reuse Stockpiles A-53 and A-54 as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Karen Flanders
Sent: Thursday, November 11, 2021 1:17 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>; 'kyle.cunningham@reconservices.com' <kyle.cunningham@reconservices.com>

Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Project total increase of 4,400 tons. Approval for 2,400 tons from (12) IRM5A2 Reuse Stockpiles A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40 as represented by attached analytical. Approval for 2,000 tons from (4) IRM5A2 Non-Hazardous Stockpiles NH-3, NH-4, NH-5, NH-6 as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Special Waste
Sent: Wednesday, November 10, 2021 7:35 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; 'kyle.cunningham@reconservices.com' <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; 'Donna Holmes' <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; 'Joshua Stern' <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for 3,800 tons from (19) IRM5A2 Reuse Stockpiles A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27 and A28 as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736

Learn more at casella.com

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Sunday, November 7, 2021 10:18 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>; kyle.cunningham@reconservices.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23938 - Hyland; Unisys Corporation (Remedial Construction Services), 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC

Note To Customer/Landfill: Approval for 500 tons of soil from IRM 5A2-NH2 represented by attached analysis. Approval for 1,800 tons from IRM5A2 Reuse Stockpiles A1, A2, A3, A4, A5, A6, A7, A8 and A9, as represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

All Other Conditions Apply.

From: Karen Flanders
Sent: Monday, October 25, 2021 10:06 AM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Ian Masone <IMasone@Geosyntec.com>; terry.etter@unisys.com; Larry Endicott <larry.endicott@reconservices.com>; Michael Furlong <michael.furlong@reconservices.com>; kyle.cunningham@reconservices.com
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>;

Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; russell.anderson@casella.com; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #23938 - Hyland; Unisys Corporation (Remedial Construction Services), 777 S. Main Street, Elmira, NY - IRM 5A2 Contaminated Soil for ADC

Note To Customer/Landfill: Approval for 500 tons of soil from IRM 5A2 represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Landfill: SWCP indicates project total of 45,000 tons of soil from IRM 5A2. Additional Analysis will be provided for representative samples collected from each individual stockpile.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the manifest includes: waste description [PCB Contaminated Soil], **Source Area/Stockpile** [IRM 5A2 NH-1], intended use [ADC] and Profile # [#23938].

Remediation Area or Stockpile	Approval Date	Volume (Tons)	Approved Use
IRM 5A2 Non-Haz Stockpile NH92, NH93, NH94, NH95, and NH96	**6/19/2022**	**2,500**	**ADC**
IRM 5A2 Non-Haz Stockpile NH90, NH91	6/16/2022	1,000	ADC
IRM 5A2 Non-Haz Stockpile NH80, NH81, NH82, NH83 and NH84	5/27/2022	2,500	ADC
IRM 5A2 Non-Haz Stockpile NH76, NH78, NH79	5/17/2022	1,500	ADC
IRM 5A2 Non-Haz Stockpiles NH74, NH75	4/27/2022	1,000	ADC
IRM 5A2 Non-Haz Stockpiles NH72, NH73	4/15/2022	1,000	ADC
IRM 5A2 Non-Haz Stockpiles NH70, NH71	4/14/2022	1,000	ADC
IRM 5A2 Non-Haz Stockpile NH55	3/28/2022	500	ADC
IRM 5A2 Non-Haz Stockpile NH62, NH63, NH64, NH65, NH66, NH67, NH68, NH69	3/27/2022	4,000	ADC
IRM 5A2 Non-Haz Stockpile NH56, NH57, NH58, NH59, NH60, NH61	3/18/2022	3,000	ADC
IRM 5A2 Non-Haz Stockpile NH51, NH52, NH53, NH54	3/14/2022	2,000	ADC

IRM 5A2 Area 2 Reuse Stockpile A2A37	3/14/2022	200	ADC
IRM 5A2 Area 2 Reuse Stockpile A2A33	3/2/2022	200	ADC
IRM 5A2 Non-Haz Stockpile NH46, NH47, NH48, NH49, NH50	3/2/2022	2,500	ADC
IRM 5A2 Non-Haz Stockpile NH40, NH41, NH42, NH43, NH44, NH45	2/24/2022	3,000	ADC
IRM 5A2 Non-Haz Stockpile NH34, NH35, NH36, NH37, NH38 and NH39	2/16/2022	3,000	ADC
IRM 5A2 Area 2 Reuse Stockpile A2A50 & A2A60	2/13/2022	400	ADC
IRM 5A2 Area 2 Reuse Stockpile A2A21	1/25/2022	200	ADC
IRM 5A2 Non-Haz Stockpile NH31, NH32, and NH33	1/15/2022	1,500	ADC
IRM 5A2 Area A2Reuse Stockpile A2A15	1/15/2022	200	ADC
IRM 5A2 Non-Haz Stockpiles NH28, NH29, NH30	1/4/2022	1,500	ADC
IRM 5A2 Non-Haz Stockpiles NH21, NH22, NH23, NH24, NH25, NH26 and NH27	12/22/2021	3,500	ADC
IRM 5A2 Area 2 Reuse Stockpiles A2A6 & A2A7	12/22/2021	400	ADC
IRM 5A2 Non-Haz Stockpiles NH15, NH16, NH17, NH18, NH19, NH20	12/2/2021	3,000	ADC
IRM 5A2 Reuse Stockpiles A43, A45, A58 and A59	12/2/2021	800	ADC
Excavation Zone A2 Soil Boring Samples C1, C2 and C3	12/2/2021	750	ADC
IRM 5A2 Reuse Stockpiles A41, A42, A44, A46, A47, A48, A49, A50, A51, A52, A55, A56 and A57	11/16/2021	2,600	ADC
IRM 5A2 Non-Haz Stockpiles NH8, NH9, NH11, NH12, NH13 and NH14	11/16/2021	3,000	ADC
IRM 5A2 Non-Haz Stockpiles NH7 and NH10	11/12/2021	1,000	ADC
IRM 5A2 Reuse Stockpiles A53 and A54	11/12/2021	400	ADC
IRM 5A2 Non-Haz Stockpiles NH3, NH4, NH5, NH6	11/11/2021	2,000	ADC
IRM 5A2 Reuse Stockpiles A29, A30, A31 A32, A33, A34, A35, A36, A37, A38, A39, A40	11/11/2021	2,400	ADC

IRM 5A2 Reuse Stockpiles A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28	11/9/2021	3,800	ADC
IRM 5A2 Reuse Stockpiles A1, A2, A3, A4, A5, A6, A7, A8, A9	11/7/2021	1,800	ADC
IRM 5A2 NH-2	11/7/2021	500	ADC
IRM 5A2 NH-1	10/25/2021	500	ADC
Total Project Tons		59,150 Tons	

Profile #23938 – Approval for ADC (One-Time Event)

Hyland Landfill

Generator: Unisys Corporation
777 S. Main Street
Elmira, NY 14904

Hauler/Carrier: Riccelli Enterprises, Inc
Page E.T.C.
Leon Lacy, Inc., and Butler
Maybee Enterprises, Inc.
Excavating and Concrete, LLC
L and V Smith, Inc. Trucking
KA Transport
Edger Enterprises
Edger Civil
K&L Trucking
Silverole Trucking

Customer: Remedial Construction Services (ReCon)

Material/Description: <50ppm Non-TSCA PCB contaminated soil from IRM 5A2

Classification: See Table Above

Quantity: See Table Above

County: Chemung (NY)

Approval: Karen Flanders

Expires: ~~**7/1/2022**~~ **8/1/2022**

Term: Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Approval is Not Required

- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | toll free: 855.379.2783 | f. 802.419.3736

Learn more at casella.com

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-190

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

SILVAROLE TRUCKING, INC.
105 SILVAROLE DRIVE
ROCHESTER, NY 14623

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	NEIL SILVAROLE / SHELLI SILVAROLE	EFFECTIVE DATE:	02/01/2022
COUNTY:	MONROE	EXPIRATION DATE:	**01/31/2023**
TELEPHONE NO:	(585)272-0741	US EPA ID NUMBER:	NYR000163691

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Allied Waste Niagara Falls Landfill	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Auburn Landfill No 2	Auburn , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Ava Landfill	Boonville , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Bath Sanitary Landfill	Bath , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant	
BIRD ISLAND WWTP	BUFFALO , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Bristol Hill SLF	Fulton , NY	Petroleum Contaminated Soil	
Broome County Landfill	Binghamton , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2022.01.06 09:54:22 -05'00' Date:____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage .. treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-190

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

SILVAROLE TRUCKING, INC.
105 SILVAROLE DRIVE
ROCHESTER, NY 14623

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	NEIL SILVAROLE / SHELLI SILVAROLE	EFFECTIVE DATE:	02/01/2022
COUNTY:	MONROE	EXPIRATION DATE:	**01/31/2023**
TELEPHONE NO:	(585)272-0741	US EPA ID NUMBER:	NYR000163691

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Broome County Landfill	Binghamton , NY	Asbestos Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant	
Chaffee Landfill	Chaffee , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Covanta Niagara I, LLC	Niagara Falls , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
Development Authority of the North Country Landfill	Rodman , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
ESMI of New York	Fort Edward , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Green Ridge RDF	Gansevoort , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-190

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

SILVAROLE TRUCKING, INC.
105 SILVAROLE DRIVE
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PERMIT TYPE:

☐ NEW
■ RENEWAL
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CONTACT NAME:	NEIL SILVAROLE / SHELLI SILVAROLE	EFFECTIVE DATE:	02/01/2022
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TELEPHONE NO:	(585)272-0741	US EPA ID NUMBER:	NYR000163691

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
High Acres Western Expansion Landfill	Fairport , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
J.P. ROUTHIER TIRE RECYCLING	AYER , MA	Waste Tires	
Mill Seat SLF	Riga , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant Medical	
Modern Landfill, Inc.	Model City , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
Ontario County Sanitary Landfill	Stanley , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
S&M Prompt Rubbish Removal Service Inc	Oceanside , NY	Waste Tires	
Seneca Meadows LF	Waterloo , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Sludge from Sewage or Water Supply Treatment Plant	
Tonawanda Bioremediation Facility	Tonawanda , NY	Petroleum Contaminated Soil	
WATERTOWN (C) WPCP	WATERTOWN , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-190

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

SILVAROLE TRUCKING, INC.
105 SILVAROLE DRIVE
ROCHESTER, NY 14623

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	NEIL SILVAROLE / SHELLI SILVAROLE	EFFECTIVE DATE:	02/01/2022
COUNTY:	MONROE	EXPIRATION DATE:	**01/31/2023**
TELEPHONE NO:	(585)272-0741	US EPA ID NUMBER:	NYR000163691

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
WEBSTER-T STP/WW BRADLEY POLLUTION CONTROL	WEBSTER , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
Wheelabrator Hudson Falls	Hudson Falls , NY	Non-Hazardous Industrial/Commercial	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-190

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

SILVAROLE TRUCKING, INC.
105 SILVAROLE DRIVE
ROCHESTER, NY 14623

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	NEIL SILVAROLE / SHELLI SILVAROLE	EFFECTIVE DATE:	02/01/2022
COUNTY:	MONROE	EXPIRATION DATE:	**01/31/2023**
TELEPHONE NO:	(585)272-0741	US EPA ID NUMBER:	NYR000163691

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

60 (Sixty) Permitted Vehicle(s)

ME 2246375
ME 2246376
NY 15528PF
NY 1586C3
NY 1592C3
NY 1593C3
NY 1597C3
NY 1715D7
NY 1716D7
NY 1717D7
NY 1718D7
NY 1725D7
NY 20141TC
NY 21240TC
NY 2627D5
NY 39994PC
NY 39995PC
NY 4008C4
NY 4054C4
NY 53938MD
NY 60611MM
NY 62228PC
NY 69440PC
NY 77399ML
NY 78037PC
NY 79429PC
NY 93719MH
NY AE17235
NY AE89525
NY AE89530
NY AE89676
NY AE92574
NY AE92589
NY AE92591
NY AF54639
NY AF54653
NY AM99240
NY AR15018
NY AR15019
NY AR83499
NY AR84182
NY AS48305
NY BC11371
NY BD21685
NY BH10869
NY BU65621
NY CB16888
NY CB39472
NY CB39473
NY CB39819
NY CB39820
NY CB59810
NY CB59811
NY CB59812
NY CB59813
NY CB59814
NY CB59815
NY CB59816
NY CB59817
NY CB59818
End of List

Rec'd 11/22/2021

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

November 22, 2021

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 soil piles (A41 to A46)
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated November 12, 2021 requesting a "contained-in" determination for six (6) 100 cubic yards IRM 5A2 soil piles (A41 to A46), at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

Evaluation

Concentrations (Lab Sample ID: 180-129327-1, 180-129327-2, 180-129327-3, 180-129327-4, 180-129327-5, 180-129327-6, 180-129327-7, 180-129327-8, 180-129327-9, 180-129327-10, 180-129327-11, 180-129327-12, 180-129327-13, 180-129327-14, 180-129327-15, 180-129327-16, 180-129327-17, 180-129327-18, 180-129327-19, 180-129327-20 and 180-129327-21) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-129327-1, 180-129327-2, 180-129327-4, 180-129327-5, 180-129327-7, 180-129327-8, 180-129327-10, 180-129327-11, 180-129327-13, 180-129327-14, 180-129327-16, 180-129327-17, 180-129327-19 and 180-129327-20) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal

Restriction concentrations. Therefore, six (6) 100 cubic yards IRM 5A2 soil piles (A41 to A46), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

#23938
12/20/2021

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

December 13, 2021

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 piles A2-A6 and -A7
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mails dated December 10, 2021 requesting a "contained-in" determination for two (2) 100 cubic yard soil piles (IRM 5A2 piles A2-A6 and -A7), at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

Evaluation

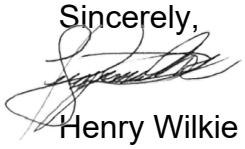
Concentrations (Lab Sample ID: 180-130004-7, 180-130004-8, 180-130004-9, 180-130004-10, 180-130004-11 and 180-130004-12) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-130004-7, 180-130004-8, 180-130004-10 and 180-130004-11) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore two (2) 100 cubic yard soil piles (IRM 5A2 piles A2-A6 and -A7), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted

360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

December 21, 2021

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 soil pile (A2-A15)
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated December 20, 2021 requesting a "contained-in" determination for one (1) 100 cubic yards IRM 5A2 soil pile A2-A15 at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

Evaluation

Concentrations (Lab Sample ID: 180-130057-4, 180-130057-5 and 180-130057-6) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-130057-4 and 180-130057-5) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore, one (1) 100 cubic yards IRM 5A2 soil pile A2-15), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

As for IRM 5A2 pile A2-A16, PCB's concentration is greater than 50 mg/kg, the Department concurs that pile A2-A16 must be handled and disposed as hazardous waste (B007).

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

Rec'd 4/4/2021

Unisys - Profile #23938
IRM 5A2 - Area 2 A2A25, A2A26, A2A27

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

December 21, 2021

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for soil reuse onsite
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated December 20, 2021 requesting a "contained-in" determination for reuse of IRM 5A2 soil piles A2-A25 to -A27, at the Former Sperry Remington Site – North Portion (NYSDEC # C808022) in Elmira, New York.

Evaluation

Concentrations (Lab Sample ID: 180-130216-1, 180-130216-2, 180-130216-3, 180-130216-4, 180-130216-5, 180-130216-6, 180-130216-7, 180-130216-8 and 180-130216-9) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-130216-1, 180-130216-2, 180-130216-4, 180-130216-5, 180-130216-7 and 180-130216-8) were all less than their current NYSDEC "contained in" soil action levels, Land Disposal Restriction concentrations and the "Restricted Residential Use Soil Cleanup Objective", Table 375-6.8(a). Therefore, the following stockpiles IRM 5A2 soil piles A2-A25 to -A27, excavated from the Elmira High School football field as part of grading for Interim Remedial Measure (IRM) #5 being conducted

by Unisys Corporation under a Brownfields Cleanup Agreement, did not exhibit a listed hazardous waste, therefore the soils can be reused onsite as per the approved DER remedial work plan.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

#23938
1/25/2022

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

January 12, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 soil pile (A2-A21)
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated January 11, 2022 requesting a "contained-in" determination for one (1) 100 cubic yards IRM 5A2 soil pile A2-A21 at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

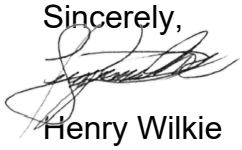
Evaluation

Concentrations (Lab Sample ID: 180-130126-7, 180-130126-8 and 180-130126-9) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-130126-7 and 180-130126-8) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore, one (1) 100 cubic yards IRM 5A2 soil pile A2-A21), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

Rec'd 4/4/2022

Unisys - Profile #23938
Reuse Soil IRM 5A2 Area 2
Stockpiles A2A32, A2A34 and A3A35

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

February 11, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for soil reuse onsite
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated February 11, 2022, requesting a "contained-in" determination for reuse of IRM 5A2 soil piles A2-A32, -A34 and -A35, at the Former Sperry Remington Site – North Portion (NYSDEC # C808022) in Elmira, New York.

Evaluation

Concentrations (Lab Sample ID: 180-132006-1, 180-132006-2, 180-132006-3, 180-132006-7, 180-132006-8, 180-132006-9, 180-132006-10, 180-132006-11 and 180-132006-12) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-132006-1, 180-132006-2, 180-132006-7, 180-132006-8, 180-132006-10 and 180-132006-11) were all less than their current NYSDEC "contained in" soil action levels, Land Disposal Restriction concentrations and the "Restricted Residential Use Soil Cleanup Objective", Table 375-6.8(a). Therefore, the following stockpiles: IRM 5A2-A32, -A34 and -A35, excavated from the Elmira High School football field as part of grading for Interim Remedial Measure (IRM) #5 being

conducted by Unisys Corporation under a Brownfields Cleanup Agreement, did not exhibit a listed hazardous waste, therefore the soils can be reused onsite as per the approved DER remedial work plan.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

Rec'd 4/4/2022

Unisys - Profile #23938
Reuse Soil IRM 5A2 Area 2 A2A33

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

February 11, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 pile A2-A33
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated February 10, 2022, requesting a "contained-in" determination for 100 cubic yard soil pile (IRM 5A2 pile A2-A33), at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

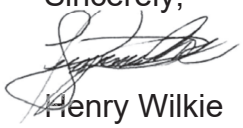
Evaluation

Concentrations (Lab Sample ID: 180-132006-4, 180-132006-5 and 180-132006-6) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-132006-4 and 180-132006-5) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore the 100 cubic yard soil piles (IRM 5A2 pile A2-A33), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

Rec'd 4/4/2022

Unisys - Profile #23938
IRM 5A2 Area 2 A2A44 - A2A49

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

February 22, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for soil reuse onsite
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated February 21, 2022, requesting a "contained-in" determination for reuse of IRM 5A2 soil piles A2- A44 to A49, at the Former Sperry Remington Site – North Portion (NYSDEC # C808022) in Elmira, New York.

Evaluation

Concentrations (Lab Sample ID: 180-132196-1, 180-132196-2, 180-132196-3, 180-132196-4, 180-132196-5, 180-132196-6, 180-132196-7, 180-132196-8, 180-132196-9, 180-132196-10, 180-132196-11, 180-132196-12, 180-132196-13, 180-132196-14, 180-132196-15, 180-132196-16 and 180-132196-17) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-132196-1, 180-132196-2, 180-132196-4, 180-132196-5, 180-132196-7, 180-132196-8, 180-132196-10, 180-132196-11, 180-132196-13, 180-132196-14, 180-132196-16 and 180-132196-17) were all less than their current NYSDEC "contained in" soil action levels, Land Disposal Restriction concentrations and the "Restricted Residential Use Soil Cleanup Objective", Table 375-6.8(a). Therefore,

the following stockpiles: IRM 5A2- A44 to A49, excavated from the Elmira High School football field as part of grading for Interim Remedial Measure (IRM) #5 being conducted by Unisys Corporation under a Brownfields Cleanup Agreement, did not exhibit a listed hazardous waste, therefore the soils can be reused onsite as per the approved DER remedial work plan.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

Rec'd 4/4/2021

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

February 22, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 piles A2-A50 to A52
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated February 21, 2022, requesting a "contained-in" determination for two (2) 100 cubic yard soil piles (IRM 5A2 piles A2-A50 to A52), at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

Evaluation

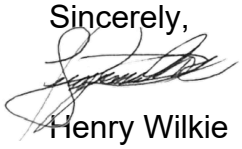
Concentrations (Lab Sample ID: 180-132196-19, 180-132196-20, 180-132196-21, 180-132196-22, 180-132196-23, 180-132196-24, 180-132196-25, 180-132196-26 and 180-132196-27) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-132196-19, 180-132196-20, 180-132196-22, 180-132196-25 and 180-132196-26) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore, the two (2) 100 cubic yard soil piles (IRM 5A2 piles A2-A50 to A52), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be

transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

February 11, 2022

Sent via e-mail, no hard copy to follow

Mr. Aron Krasnopoler, Ph. D., P.E. (MD, NY)
Senior Engineer
B&B Engineers & Geologists
10211 Wincopin Circle 4th Floor
Columbia, MD 21044

Re: "Contained-In" Determination Request for IRM 5A2 pile A2-A33
Former Sperry Remington Site – North Portion
Elmira, New York
NYSDEC # C808022

Dear Mr. Krasnopoler:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your e-mail dated February 10, 2022, requesting a "contained-in" determination for 100 cubic yard soil pile (IRM 5A2 pile A2-A33), at the Former Sperry Remington Site – North Portion (NYSDEC # C80822) in Elmira, New York.

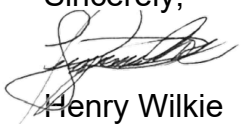
Evaluation

Concentrations (Lab Sample ID: 180-132006-4, 180-132006-5 and 180-132006-6) detected for individual volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals and PCBs were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs, metals and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene and trichloroethene detected in the soil samples (Lab Sample ID: 180-132006-4 and 180-132006-5) were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Therefore the 100 cubic yard soil piles (IRM 5A2 pile A2-A33), excavated from the Elmira High School football field as part of Interim Remedial Measure (IRM) #5 at the referenced project, do not have to be managed as a hazardous waste and can be transported off-site to permitted 360 solid waste facility able to accept this material, for disposal as non-hazardous waste.

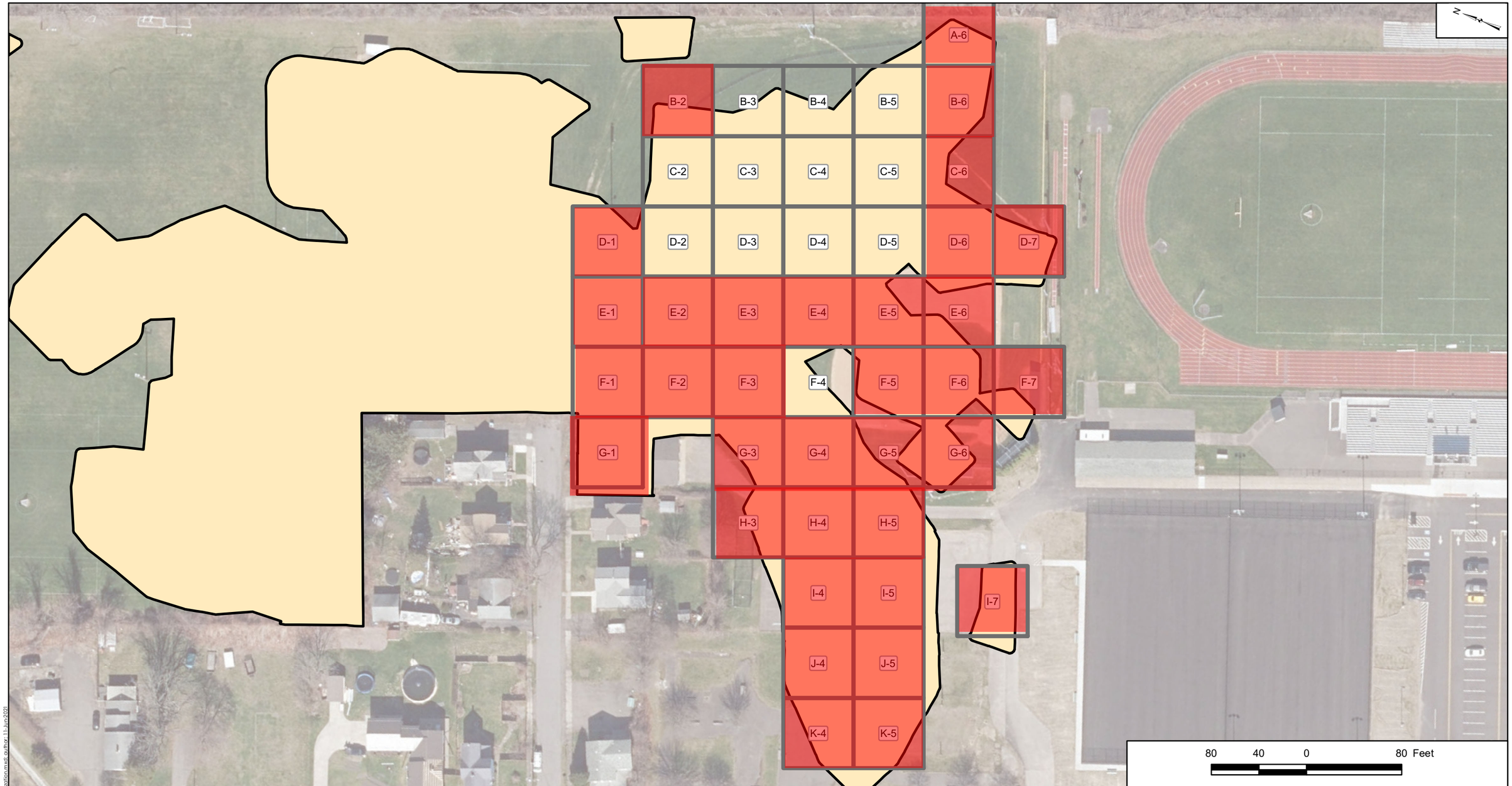
Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,



Henry Wilkie
Assistant Environmental Engineer
RCRA Permitting Section

ec: T. Scheider, DEC Region 8



Legend

Grid Representing 500 Tons of Soil (0-2 ft bgs)

Proposed IRM 5A Excavation

Notes
ft bgs - Feet below ground surface
CY = Cubic yard
Assumed soil density: 1.9 tons per CY
Grid Spacing: 59 feet by 59 feet.
Estimated soil weight within grid: (59 x 59 x 2) cubic feet x (1 CY/27 cubic feet) x 1.9 tons per CY = 490 tons

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 11 June 2021. Image is dated 2 June 2010.

NAF - Subsurface Soil (0-2 ft bgs) Pre-Characterization Grid

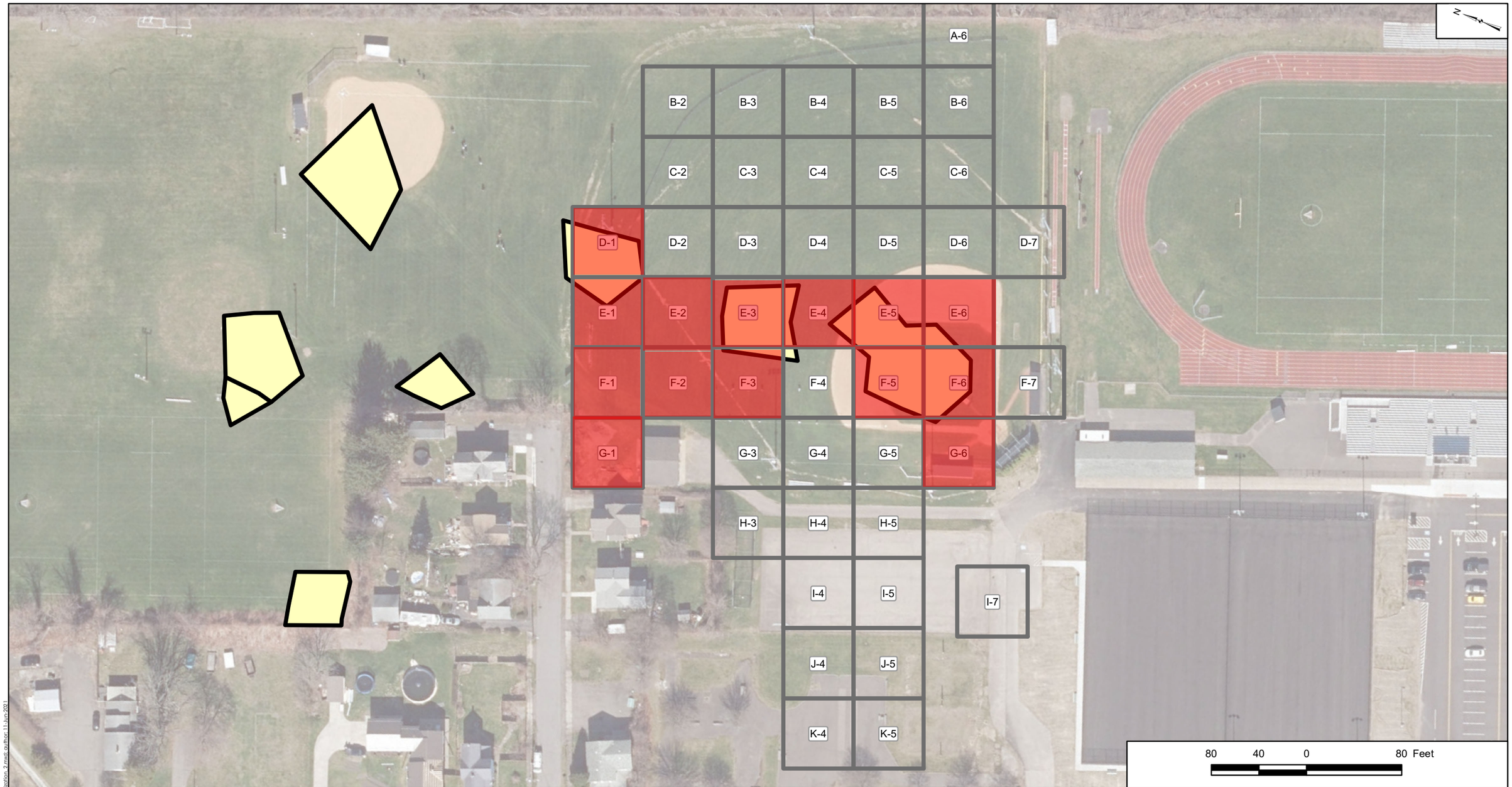
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 2021

Figure 1

P:\GIS\Elmira - NN0832\Maps\NYDEC AOCs\NAF Pre Characterization.mxd; author: 11-Jun-2021



Legend

Grid Representing 500 Tons of Soil

Proposed IRM 5A Excavation

Notes
ft bgs - Feet below ground surface
CY = Cubic yard
Assumed soil density: 1.9 tons per CY
Grid Spacing: 59 feet by 59 feet.
Estimated soil weight within grid: (59 x 59 x 2) cubic feet x (1 CY/27 cubic feet) x 1.9 tons per CY = 490 tons

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 11 June 2021. Image is dated 2 June 2010.

NAF - Subsurface Soil (2-4 ft bgs) Pre-Characterization Grid

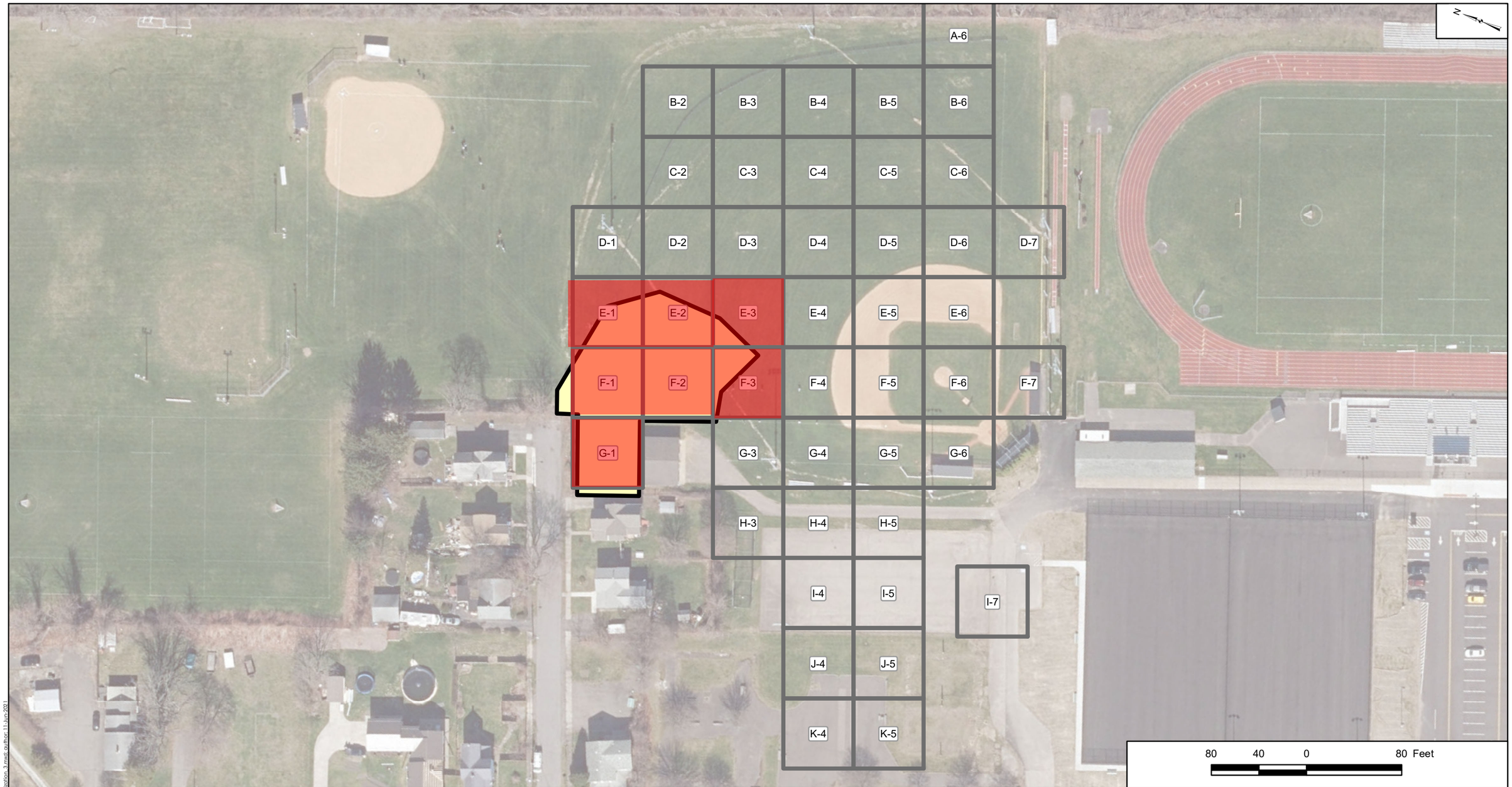
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 2021

Figure 2

P:\GIS\Elmira - MN0882\Mxds\NYDEC AOCs\NAF Pre Characterization 2.mxd; author: 11-Jun-2021



Legend

Grid Representing 500 Tons of Soil

Proposed IRM 5A Excavation

Notes
ft bgs - Feet below ground surface
CY = Cubic yard
Assumed soil density: 1.9 tons per CY
Grid Spacing: 59 feet by 59 feet.
Estimated soil weight within grid: (59 x 59 x 2) cubic feet x (1 CY/27 cubic feet) x 1.9 tons per CY = 490 tons

Aerial imagery accessed via ArcGIS Online and provided by Microsoft on 11 June 2021. Image is dated 2 June 2010.

NAF - Subsurface Soil (4-6 ft bgs) Pre-Characterization Grid

Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
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Figure 3

P:\GIS\Elmira - MN0882\Mxds\MXD\EC.AOC's\NAF Pre Characterization_3.mxd; author: 11-Jun-2021

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☑ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 3199 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title: Project Manager
Phone: 651-635-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services
Billing Address: 9911 Sam Houston Pkwy Suite 100
City: Houston State: Texas ZIP Code: 77064
Contact Name: Larry Endicott Title: Senior Project Manager
Phone: 609-357-8470 Fax: _____ Email: larry.endicott@reconservices.com

IV. Consultant/Representative

Company Name: B & B Engineers & Geologists of New York, P.C.
Contact Name: Aron Krasnopoler, PE Title: Senior Engineer
Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity

48,000 TRE 7/20/22

☑ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~38,000~~ ☑ Tons ☐ Cubic Yards ☐ Other: _____
Density of Waste (Approximate): 3,000 Pounds/Cubic Yard
Delivery Vehicle: ☑ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____
Hauler Name: Various Part 364 Licensed Transporters
Mailing Address: _____ Phone: _____
Transporter Permit #: _____ (for State of Disposal)
Previous Disposal Facility (Name): Hyland Landfill
Application Was Submitted to/Approved by Another Disposal Facility (Name): Hyland Landfill

VI. Waste Stream Information

Common Waste Name: PCB Remediation Soil from Non-Hazardous Material Storage Area (MSA)
Location or Address of Waste Generation Site: 777 South Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Site is former Sperry Remington site - northern portion (NYSDEC Site #c808022). Sperry Remington operated a typewriter plant at the site from 1937 - 1972. Manufacturing operations included: coal fired power plant, foundry, oil water separators, cyanide heat treating, parts machining, plating and degreasing.

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Soil managed under this Profile # is the result of decommissioning the non-hazardous soil Material Storage Area (MSA) from the Northern Athletic Field (NFA)

Describe all hazardous or nuisance properties associated with the waste:

none

Describe any special handling or disposal procedures:

none

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☒ No

% Solids: 90 - 100%

Odor: None

pH Range: 6 - 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Some samples collected in this area were not analyzed for herbicides and pesticides. Based on generator knowledge, herbicides and pesticides are not contaminates of concern.

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter Terry Etter

Name (Print): Terry Etter

Title: Project Manager

Company: Unisys Corporation

Date: 4/29/22 7/20/22

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab 59+ Composite

Sample Source: ____ Boring(s) X Test Pit(s) X Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182 Pittsburgh / 10975 Canton

Applicable Laboratory Report ID #'s: See Attached Data Tabulation Summary

Minimum Requirements

- ☒ TCLP RCRA 8 Metals
- ☒ TCLP Volatile Organic Compounds (VOCs)
- ☒ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☒ TCLP Herbicides Some Samples
- ☒ TCLP Pesticides Some Samples
- ☒ Reactive Sulfide
- ☒ Reactive Cyanide
- ☒ Total PCBs
- ☒ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☒ Corrosivity by pH
- ☒ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Some samples collected in this area were not analyzed for herbicides and pesticides. Based on generator knowledge, herbicides and pesticides are not contaminates of concern.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Wednesday, August 10, 2022 9:01 AM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) [In-situ Samples] Contaminated Soil for ADC

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

UPDATE: Approved total project increase of **600 tons** of non-haz soil from the following in-situ test-pit sample locations as shown on the attached plan; **H6C and I6C (300 tons each).** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Approved Project Total = 39,300 tons

August 9, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on August 10, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-H6C**], intended use [**ADC**] and Profile **[#24448]**

All Other Conditions Apply.

From: Special Waste
Sent: Tuesday, August 9, 2022 8:44 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally

<AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) [In-situ Samples] Contaminated Soil for ADC

UPDATE: Expiration Date Extended to 9/1/2022

UPDATE: Approved total project increase of **1,200 tons** of non-haz soil from the following in-situ test-pit sample locations as shown on the attached plan; **H5C, G5C, G6C, and G7C (300 tons each).** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Approved Project Total = 38,700 tons

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-H5C**], intended use [**ADC**] and Profile **[#24448]**

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, July 28, 2022 12:47 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>

Subject: UPDATE: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) [In-situ Samples] Contaminated Soil for ADC

UPDATE: Approval for approximately 2,700 tons of non-haz soil from the following in-situ test-pit sample locations as shown on the attached plan; **H7C, I5C, I7C, J5C, J6C, J7C, K5C, K6C, and K7C (300 tons each).** Volume to-date has been underestimated, a tonnage increase is not needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage Remains Unchanged @ 37,500 tons.

Per discussion with Jason Boliver on 7/21/2022, Casella can self-approve the soil. The analytical data was sent to DEC on July 28, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. . Please ensure the manifest includes: waste description **[PCB Contaminated Soil]**, **Source Area** [**IRM 5A2-H7C**], intended use [**ADC**] and Profile **[#24448]**

All Other Conditions Apply.

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, July 22, 2022 6:12 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) [In-situ Samples] Contaminated Soil for ADC

UPDATE: Approval for approximately 6,000 tons of non-haz soil from the following in-situ test-pit sample locations as shown on the attached plan; **J2, J3, K2, K3, K6, and K7 (500 tons each) and H6, H7, J6, J7, J8, K8, and L1 (500 tons each).** Volume to-date has been underestimated; a tonnage increase is not needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage Remains Unchanged @ 37,500 tons.

Per discussion with Jason Boliver on 7/21/2022; Casella can self-approve the soil. The data was sent to DEC on 7/22/2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. . Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-J2**], intended use [**ADC**] and Profile **[#24448]**

All Other Conditions Apply.

From: Karen Flanders
Sent: Monday, May 23, 2022 5:50 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; 'kyle.cunningham@keller-na.com' <kyle.cunningham@keller-na.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Erin Campbell <erin.campbell@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

UPDATE: Approved total project increase of 6,500 tons; includes IRM5A2 - Northern Athletic Field (NAF)/Material Storage Area (MSA) represented by attached site plan and representative analytical. Project total = 37,500 tons. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. . Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-NAF**], intended use [**ADC**] and Profile **[#24374]**

All Other Conditions Apply.

Summary of Unisys Soil Results from Test Pit Samples Collected In-Situ IRM 5A2 - Northern Athletic Field (NAF) Refer to GeoSyntec Figure 1 -3 (June 2021) for Grid Delineation				
IRM 5A2 Grid Sample ID	Depth	Volume (Tons)	Lab Rpt #	PCBs (mg/kg)
IRM5A2 - MSA1	0 - 2 ft	1000	180-137206-1	0.97
IRM5A2 - MSA2	0 - 2 ft	1000	180-137206-1	0.12
IRM5A2 - MSA3	0 - 2 ft	1000	180-137206-1	0.88
IRM5A2 - MSA4	0 - 2 ft	1000	180-137206-1	0.33
IRM5A2 - MSA5	0 - 2 ft	1000	180-137206-1	0.56
IRM5A2 - B5 - A	0 - 2 ft	500	180-136952-1	0.31
IRM5A2 - C5 - A	0 - 2 ft	500	180-136952-1	0.35
IRM5A2 - D5 - A	0 - 2 ft	500	180-136798-1	0.24
Total Volume:		6,500 Tons		

From: Special Waste
Sent: Thursday, May 5, 2022 12:03 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; 'kyle.cunningham@keller-na.com' <kyle.cunningham@keller-na.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Erin Campbell <erin.campbell@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: APPROVAL: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

Note To Customer/Landfill: Approval for initial 31,000 tons of soil from IRM 5A2 - Northern Athletic Field (NAF)/Material Storage Area (MSA) represented by attached site plan and representative analytical. A total of 38,000 tons of soil is anticipated; additional soil will be approval upon receipt of representative analysis. Soil samples were collected in-situ from depths from 0 – 2ft, 2-4 ft and 4 – 6 ft. If any discoloration, staining, odors or elevated VOCs by PID meter are observed during excavation, additional sampling may be needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-NAF**], intended use [**ADC**] and Profile **[#24448**]

Summary of Unisys Soil Results from Test Pit Samples Collected In-Situ IRM 5A2 - Northern Athletic Field (NAF) Refer to GeoSyntec Figure 1 -3 (June 2021) for Grid Delineation					
IRM 5A2 Grid Sample ID	Depth	Volume (Tons)	Lab Rpt #	PCBs (mg/kg)	Approval Date
IRM5A2 - A1 - A	0 - 2 ft	1000	180-136169-1	0.30	5/5/2022
IRM5A2 - A2 - A	0 - 2 ft	1000	180-136169-1	1.32	5/5/2022
IRM5A2 - A3 - A	0 - 2 ft	1000	180-136128-1	0.06	5/5/2022
IRM5A2 - A6 - A	0 - 2 ft	500	180-125207-1	2.90	5/5/2022
IRM5A2 - B2 - A	0 - 2 ft	500	180-125254-1	0.15	5/5/2022
IRM5A2 - B6 - A	0 - 2 ft	500	180-125207-1	15.30	5/5/2022
IRM5A2 - C6 - A	0 - 2 ft	500	180-125207-1	1.12	5/5/2022
IRM5A2 - D1 - A	0 - 2 ft	500	180-125254-1	0.20	5/5/2022
IRM5A2 - D1 - B	2 - 4 ft	500	180-125254-1	0.47	5/5/2022
IRM5A2 - D6 - A	0 - 2 ft	500	180-125207-1	3.80	5/5/2022
IRM5A2 - D7 - A	0 - 2 ft	500	180-125207-1	1.97	5/5/2022
IRM5A2 - E1 - A	0 - 2 ft	500	180-125207-1	1.36	5/5/2022
IRM5A2 - E1 - B	2 - 4 ft	500	180-125207-1	0.35	5/5/2022
IRM5A2 - E1 - C	4 - 6 ft	500	180-125207-1	0.33	5/5/2022
IRM5A2 - E2 - A	0 - 2 ft	500	180-125207-1	1.35	5/5/2022
IRM5A2 - E2 - B	2 - 4 ft	500	180-125207-1	0.21	5/5/2022
IRM5A2 - E2 - C	4 - 6 ft	500	180-125207-1	0.48	5/5/2022
IRM5A2 - E3 - A	0 - 2 ft	500	180-125207-1	0.11	5/5/2022
IRM5A2 - E3 - B	2 - 4 ft	500	180-125207-1	0.21	5/5/2022
IRM5A2 - E3 - C	4 - 6 ft	500	180-125207-1	0.72	5/5/2022
IRM5A2 - E4 - A	0 - 2 ft	500	180-125207-1	0.17	5/5/2022
IRM5A2 - E4 - B	2 - 4 ft	500	180-125207-1	0.10	5/5/2022
IRM5A2 - E5 - A	0 - 2ft	500	180-125254-1	0.14	5/5/2022
IRM5A2 - E5 - B	2 - 4 ft	500	180-125254-1	0.18	5/5/2022
IRM5A2 - E6 - A	0 - 2 ft	500	180-125254-1	1.49	5/5/2022
IRM5A2 - E6 - B	2 - 4 ft	500	180-125254-1	0.46	5/5/2022
IRM5A2 - F1 - A	0 - 2 ft	500	180-125206-1	0.15	5/5/2022
IRM5A2 - F1 - B	2 - 4 ft	500	180-125206-1	0.10	5/5/2022
IRM5A2 - F1 - C	4 - 6 ft	500	180-125206-1	0.00	5/5/2022
IRM5A2 - F2 - A	0 - 2 ft	500	180-125206-1	0.16	5/5/2022
IRM5A2 - F2 - B	2 - 4 ft	500	180-125206-1	0.15	5/5/2022
IRM5A2 - F2 - C	4 - 6 ft	500	180-125206-1	0.18	5/5/2022
IRM5A2 - F3 - A	0 - 2 ft	500	180-125207-1	1.97	5/5/2022
IRM5A2 - F3 - B	2 - 4 ft	500	180-125207-1	4.27	5/5/2022
IRM5A2 - F3 - C	4 - 6 ft	500	180-125207-1	0.50	5/5/2022
IRM5A2 - F4 - A	0 - 2 ft	500	180-136128-1	0.19	5/5/2022
IRM5A2 - F5 - A	0 - 2 ft	500	180-125207-1	1.40	5/5/2022
IRM5A2 - F5 - B	2 - 4 ft	500	180-125207-1	0.24	5/5/2022
IRM5A2 - F6 - A	0 - 2 ft	500	180-125207-1	0.72	5/5/2022
IRM5A2 - F6 - B	2 - 4 ft	500	180-125207-1	0.28	5/5/2022
IRM5A2 - F7 - A	0 - 2 ft	500	180-125207-1	0.00	5/5/2022
IRM5A2 - G1 - A	0 - 2 ft	500	180-125254-1	0.67	5/5/2022
IRM5A2 - G1 - B	2 - 4 ft	500	180-125254-1	0.20	5/5/2022
IRM5A2 - G1 - C	4 - 6 ft	500	180-125254-1	0.21	5/5/2022
IRM5A2 - G3 - A	0 - 2 ft	500	180-125254-1	5.07	5/5/2022
IRM5A2 - G4 - A	0 - 2 ft	500	180-125254-1	0.26	5/5/2022
IRM5A2 - G5 - A	0 - 2 ft	500	180-125165-1	0.02	5/5/2022
IRM5A2 - G6 - A	0 - 2 ft	500	180-125165-1	0.22	5/5/2022
IRM5A2 - G6 - B	2 - 4 ft	500	180-125165-1	1.29	5/5/2022
IRM5A2 - H3 - A	0 - 2 ft	500	180-124533-1	0.77	5/5/2022
IRM5A2 - H4 - A	0 - 2 ft	500	180-124533-1	0.18	5/5/2022
IRM5A2 - H5 - A	0 - 2 ft	500	180-124533-1	0.17	5/5/2022
IRM5A2 - I4 - A	0 - 2 ft	500	180-125406-1	0.40	5/5/2022
IRM5A2 - I5 - A	0 - 2 ft	500	180-124533-1	0.04	5/5/2022
IRM5A2 - I7 - A	0 - 2 ft	500	180-124533-1	0.06	5/5/2022
IRM5A2 - J4 - A	0 - 2 ft	500	180-125406-1	0.17	5/5/2022
IRM5A2 - J5 - A	0 - 2 ft	500	180-124533-1	0.00	5/5/2022
IRM5A2 - K4 - A	0 - 2 ft	500	180-125406-1	0.41	5/5/2022
IRM5A2 - K5 - A	0 - 2 ft	500	180-124533-1	0.00	5/5/2022
Total Volume:		31,000 Tons			

Profile #24448 – Approval for ADC (One-Time Event)

Ontario County Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C.
Customer:	Remedial Construction Services (ReCon)
Material/Description:	<50ppm Non-TSCA PCB contaminated soil from IRM 5A2 (In-Situ Samples) From the Northern Athletic Field (NAF) & Material Storage Area (MSA) Only soil from the samples locations listed above are approved.
Classification:	Contaminated Soil / ADC
Quantity:	~~31,000 tons~~ ~~37,500 tons~~ ~~38,700 tons~~ **39,300 tons**
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	~~8/5/2022~~ **9/1/2022**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Region 8 Approval Letter Attached; Authorization to Self-Approve 8/10/2022 (email).
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department

25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

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Abigail Bruzas

From: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Sent: Tuesday, August 9, 2022 9:28 AM
To: Karen Flanders
Cc: Brian Sanders; Joshua Hamelin; Special Waste; MacLean, Greg B (DEC); Osypian, Mackenzie L (DEC)
Subject: [External] Re: APPROVAL REQUEST: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

Karen,

Both the tonnage increase and continuance of self approval on this project are acceptable to the Department. All other conditions from the initial approval letter are still applicable.

Regards,

Jason Boliver
NYSDEC Region 8 Environmental Monitor

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Monday, August 8, 2022 1:11 PM
To: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: APPROVAL REQUEST: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Jason,
Attached please find a revised Profile Form for the Unisys Corporation project in Elmira, NY. Per our discussion earlier today, the generator expects an additional 10,000 tons of soil from this area of excavation. The engineering consultant managing the project has created a grid at 2 ft depth intervals and collects representative composite samples of the in-situ material. Analytical data is provided as it becomes available.

We would like to request continued ability to self-approve the soil provided the results are < 80% of the RCRA TCLP maximum concentration. We will send the analytical data to DEC upon receipt.

Please contact me at 802-345-1955 with any questions.

Thank you,
Karen

Special Waste Department

25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

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From: "Boliver, Jason K (DEC)" <jason.boliver@dec.ny.gov>
Date: May 11, 2022 at 11:21:14 AM EDT
To: Special Waste <Special.Waste@casella.com>
Cc: Brian Sanders <brian.sanders@casella.com>, Joshua Hamelin <joshua.hamelin@casella.com>, "Osypian, Mackenzie L (DEC)" <Mackenzie.Osypian@dec.ny.gov>, "MacLean, Greg B (DEC)" <greg.maclean@dec.ny.gov>
Subject: Re: APPROVAL REQUEST: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

Karen,

My approval letter for the referenced request is attached.

A hard copy will be sent in the mail. All those on the CC list will only receive this email.

Regards,

Jason Boliver
NYSDEC Region 8 Environmental Monitor

From: Special Waste <Special.Waste@casella.com>
Sent: Tuesday, May 10, 2022 9:02 AM
To: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: APPROVAL REQUEST: #24448 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Jason,
Following our original submittal on 5/4/2022, we have attached analytical data for an additional 6,500 tons of non-hazardous <50ppm non-TSCA PCB contaminated soil as alternate operating cover (AOC) at Ontario County Landfill.

The following documents are provided to support this request:

- Eurofins Analytical Report #180-136952-1 includes results for test pit/sample IDs B5 and C5 (500 tons each),
- Eurofins Analytical Report #180-136798-1 includes results for test pit/sample ID D5 (500 tons),
- Eurofins Analytical Report #180-137206-1 includes results for 5 composite samples representing soil from residual stockpiles removed from the MSA surface (1,000 tons/sample).

Please let me know if a hard-copy of this request is required. Don't hesitate to contact me with any questions.

Thank you,
Karen

Special Waste Department

25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

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From: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Sent: Wednesday, May 4, 2022 3:26 PM
To: Karen Flanders <Karen.Flanders@casella.com>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Special Waste <Special.Waste@casella.com>; Osypian, Mackenzie L (DEC) <Mackenzie.Osypian@dec.ny.gov>; MacLean, Greg B (DEC) <greg.maclean@dec.ny.gov>
Subject: [External] Re: APPROVAL REQUEST: #24374 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC (EMAIL 2 of 2)

Karen,

My approval letter for 31,000 tons of BUD-AOC represented by submitted data is attached. As discussed, there is an additional 7,000 tons of soil at the referenced site that is not approved at this time.

A hard copy of the approval will be mailed out. All those on the CC list will only receive this email. If you need any further assistance call or email any time.

Regards,

Jason Boliver
NYSDEC Region 8 Environmental Monitor

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Wednesday, May 4, 2022 8:52 AM
To: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: APPROVAL REQUEST: #24374 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC (EMAIL 2 of 2)

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See email 1 of 2 for project details. Attached Laboratory Reports are provided to support this request.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

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#24374
5/4/2022

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5411 I F: (585) 226-2909
www.dec.ny.gov

May 4, 2022

Ms. Karen Flanders
Special Waste Department
Casella Waste Systems, Inc.
25 Green Hills Lane
Rutland, VT 05701

Dear Ms. Flanders:

Re: Ontario County Landfill, 1879 Routes 5&20, Stanley, NY
Request for Contaminated Soils as BUD-AOC (#24374)
Unisys Corporation-Former Sperry Remington
Project Site-Elmira High School, 777 Sounth Main Street, Elmira, NY 14904

I have reviewed the above referenced submittal (approval request letter, special waste characterization profile form, site maps, lab reports, analytical summary table, and aerial photo). The request states that the proposed amount for which BUD designation is requested is approximately 38,000 tons, with 31,000 tons represented by the data provided.

Based on our review soils represented by the data provided are approved for use as BUD alternative daily cover provided the material is only used on inside slopes. Any stockpiles must be located within the lined footprint of the landfill. Please note that BUD ADC management (stockpile limits, stormwater management, etc.) must be in conformance with the facility O+M plan.

As discussed, the soils not represented by data provided are not approved for ADC at this time.

If you have any questions concerning this letter I can be reached at 585-478-3843 or jason.boliver@dec.ny.gov.

Sincerely,

Jason Boliver
Environmental Program Specialist
Division of Materials Management

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Cc: G. Maclean-NYSDEC
M. Osypian-NYSDEC
B. Sanders-Casella
Special.Waste@casella.com
J. Hamelin-Casella

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☐ **New York:** Hyland (Angelica, NY)
- ☒ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 1399 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title:
Phone: 651-212-7253 Fax: Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services, L.P. Keller
Billing Address: 9977 Sam Houston
City: Houston State: TX ZIP Code: 77064
Contact Name: Larry Endicott Title:
Phone: (609) 357-8470 Fax: Email: larry.endicott@keller-na.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologist of New York, PC
Contact Name: Aron Krasnopoler Title: Senior Engineer
Phone: 410-381-4333 Fax: Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity 65,000 TRE 10/23 ☒ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~40,000~~ ☒ Tons ☐ Cubic Yards ☐ Other:
Density of Waste (Approximate): 3,800 Pounds/Cubic Yard
Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☒ Tractor Trailer ☐ Vac Truck ☐ Other:
Hauler Name: Multiple Haulers
Mailing Address: Various Addresses Phone:
Transporter Permit #: NYS Part 364 Permitted - copies of permits provided (for State of Disposal)
Previous Disposal Facility (Name): Not Applicable
Application Was Submitted to/Approved by Another Disposal Facility (Name): Not Applicable

VI. Waste Stream Information

Common Waste Name: PCB Contaminated Soil (removed under DEC Remediation Approval)
Location or Address of Waste Generation Site: 777 S. Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☒ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other:

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Former Sperry Remington Site- North Portion (NYSDEC #c808022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 1947-1972. Manufacturing operations/features included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining and assembly of parts, plating, degreasing. Waste is from remediation of soils contaminated from historical facility use.

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Waste is uniform in nature with no detectable discoloration or odor. Soil (~~40,000~~ 65,000 tons) is contaminated due to historic industrial use. Material is representative of IRM5A2-Area 6 (A6) native excavations as well as decommissioning activities associated with the MSA and haul roads. Representative Soil Sample IDs are listed on the attached summary. 1/6/23 TRE

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☒ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Unisys has made a good faith effort to determine if the source of the contaminates through historical records review of relevant available documents. Unisys was unsuccessful in determining the specific source of the contaminants as listed wastes and therefore conclude the contaminated media is from an unknown source. Analytical data will be provided.

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): ~~Terry Etter~~ Terry Etter

Name (Print): Terry Etter Company: Unisys Corporation

Title: Project Manager Date: ~~9/8/22~~ 1/6/23

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab X Composite

Sample Source: ____ Boring(s) ____ Test Pit(s) X Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☑ TCLP RCRA 8 Metals
- ☑ TCLP Volatile Organic Compounds (VOCs)
- ☑ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☐ TCLP Herbicides -See Gen. Knowledge
- ☐ TCLP Pesticides -See Gen. Knowledge
- ☐ Reactive Sulfide
- ☐ Reactive Cyanide
- ☑ Total PCBs
- ☑ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☑ Corrosivity by pH
- ☑ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☑ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

A waiver for analyses for Reactivity, TCLP Herbicides, TCLP Pesticides is required. Herbicides and Pesticides are not constituents of concern for the Site based on previous investigations. Waste characterization analyses for Herbicides and Pesticides as part of previous remedial activities did not have detections that included characteristic wastes. Therefore, waste characterization analyses for Herb. and Pest. are not needed. The soil is not reactive per 40 CFR 261.23.

1 VT only
2 PA only
3 ME only

From: Special Waste <Special.Waste@casella.com>
Sent: Monday, March 27, 2023 10:33 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Morgan Wadhams <morgan.wadhams@casella.com>; Karen Flanders <Karen.Flanders@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Note To Customer/Landfill: Approval for additional **3,000 tons** of soil from 8 stockpiles; IRM 5A2 Area 6 **IRM5A2-NH247 – NH252** (500 tons/pile)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 53,050 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; tonnage increase email issued January 13, 2023. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8 on 3/27/2023.

From: Karen Flanders
Sent: Tuesday, March 14, 2023 10:28 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Colin Lamas' <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Gregory Stachnyk

<gregory.stachnyk@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Morgan Wadhams <morgan.wadhams@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **500 tons** of soil from stockpile IRM 5A2 Area 6 **IRM5A2-NH246** (500 tons/pile).

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 50,050 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; tonnage increase email issued January 13, 2023. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8 on 3/14/2023.

From: Karen Flanders
Sent: Friday, March 10, 2023 10:51 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Colin Lamas' <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Morgan Wadhams <morgan.wadhams@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase and Expiration Extension

UPDATE: Expiration Extended to 6/1/2023

Note To Customer/Landfill: Approval for additional **4,000 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH238, IRM5A2-NH239, IRM5A2-NH240, IRM5A2-NH241, IRM5A2-NH242, IRM5A2-NH243, IRM5A2-NH244 and IRM5A2-NH245** (500 tons/pile)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 49,550 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; tonnage increase email issued January 13, 2023. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8 on 3/10/2023.

From: Karen Flanders
Sent: Thursday, February 23, 2023 7:07 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Special Waste <Special.Waste@casella.com>; Morgan Wadhams <morgan.wadhams@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for additional **2,050 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH233, IRM5A2-NH234 (**550 tons combined**) and IRM5A2-NH235, NH236 and NH237** (500 tons/pile)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 45,550 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; tonnage increase email issued January 13, 2023. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8 on 2/23/2023.

From: Karen Flanders
Sent: Thursday, January 19, 2023 7:35 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Special Waste <Special.Waste@casella.com>; Morgan Wadhams <morgan.wadhams@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for additional **500 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH232** (500 tons)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 43,500 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; tonnage increase email issued January 13, 2023. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8 on 1/19/2023.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Special Waste
Sent: Friday, January 13, 2023 2:11 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian

Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Jillian Filipek <jillian.filipek@casella.com>; Special Waste <Special.Waste@casella.com>; Karen Flanders <Karen.Flanders@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase and Expiration Extension

UPDATE: Expiration Extended to 3/1/2023

Note To Customer/Landfill: Approval for additional **2,000 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH228, NH229, NH230 and NH231** (500 tons each)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 43,000 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC. As a condition of approval, analytical laboratory reports were submitted to NYSDEC Region 8; approved by DEC on 1/13/2023. NYSDEC also approved a revised Profile for an additional 25,000 tons provided acceptable analysis is submitted prior to authorization for delivery. Profile Form attached.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
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From: Special Waste
Sent: Monday, December 12, 2022 1:46 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron

Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Jillian Filipek <jillian.filipek@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **4,500 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH219, NH220, NH221, NH222, NH223, NH224, NH225, NH226, and NH227** (500 tons each)**.**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 41,000 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on December 12, 2022.

Special Waste Department

25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Tuesday, November 29, 2022 1:54 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>

Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

UPDATE: Expiration Extended to 1/31/2023

Note To Customer/Landfill: Approval for additional **4,000 tons** of soil from stockpiles IRM 5A2 Area 6 **IRM5A2-NH216, NH217, and NH218** and in-situ samples **IRM5A2-A6-A10, A6-D7, A6-E7, A6-F7, and A6-G7** (500 tons each).

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 36,500 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on November 29, 2022.

From: Karen Flanders
Sent: Thursday, November 10, 2022 12:07 PM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Colin Lamas' <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; 'Drake Miller' <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; 'Emily Lofthus' <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; 'Joshua Hamelin' <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>

Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **3,000 tons** of soil from stockpiles IRM 5A2 Area 6 **NH210, NH211, NH212, NH213, NH214 and NH215 (500 tons/stockpile).**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 32,500 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on November 10, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 Area 6 NH210**], intended use [**ADC**] and Profile **[#24333**]

From: Karen Flanders
Sent: Sunday, October 30, 2022 8:13 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **7,500 tons** of soil from in-situ samples IRM 5A2 Area 6 Grid Locations **A6-A4, A6-A5, A6-A6, A6-A7, A6-B4, A6-B5, S6-C4, A6-D4, and A6-D5 (500 tons/grid area)**; from stockpiles IRM 5A2 Area 6 **NH204, NH205, NH206, NH207, NH208 and NH209 (500 tons/stockpile);**

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 29,500 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on October 30, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 Area 6 A6-A4**], intended use [**ADC**] and Profile **[#24333**]

From: Special Waste
Sent: Monday, October 24, 2022 3:50 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **5,500 tons** of soil from in-situ samples IRM 5A2 Area 6 Grid Locations **A6-A1, A6-A2, A6-A3, A6-A8, A6-A9, A6-B1, A6-B2, A6-B3, A6-B8, A6-C1, and A6-C3/C3S (500 tons each)**.

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 22,000 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on October 24, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 Area 6 A6-A1**], intended use [**ADC**] and Profile **[#24333**]

From: Special Waste <Special.Waste@casella.com>
Sent: Friday, October 7, 2022 7:05 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **5,500 tons** of soil from stockpiles IRM 5A2 **NH-193, NH-194, NH-195, NH-196, NH-197, NH-198, NH-199, NH-200, NH-201, NH-202, NH-203 (500 tons/pile)**.

Only soil represented by attached analytical data is approved; soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Project Total Approved Tonnage = 16,500 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on October 7, 2022.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB**

Contaminated Soil], **Source Area** [**IRM 5A2 Area 6 NH-193**], intended use [**ADC**] and Profile **[#24333**]

From: Special Waste <Special.Waste@casella.com>
Sent: Friday, September 30, 2022 4:15 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **3,000 tons** of soil from stockpiles IRM 5A2 **NH-187, NH-188, NH-189, NH-190, NH-191, and NH-192 (500 tons/pile)**. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage = 11,000 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on September 30, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 Area 6 NH-187**], intended use [**ADC**] and Profile **[#24333**]

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, September 22, 2022 2:56 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron

Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC - Tonnage Increase

Note To Customer/Landfill: Approval for additional **3,000 tons** of soil from stockpiles IRM 5A2 **NH-181, NH-182, NH-183, NH-184, NH-185, and NH-186 (500 tons/pile)**. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage = 8,000 tons.

September 19, 2022, NYSDEC Region 8 email authorized self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on September 22, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 Area 6 NH-181**], intended use [**ADC**] and Profile **[#24333**]

From: Special Waste <Special.Waste@casella.com>
Sent: Monday, September 19, 2022 1:25 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin

<joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: APPROVAL: #24333 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 Area 6 <50 ppm PCB Contaminated Soil for ADC

Note To Customer/Landfill: Approval for initial 5,000 tons of soil from stockpiles IRM 5A2 Area 6 NH-171, NH-172, NH-173, NH-174, NH-175, NH-176, NH-177, NH-178, NH-179 and NH-180 (500 tons/pile), represented by analytical data. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil]**, **Source Area** [**IRM 5A2 Area 6**], intended use [**ADC**] and Profile **[#24333]**

Remediation Area or Stockpile IRM5A2 Area 6	Approval Date	Volume (Tons)	Approved Use
NH247, NH248, NH249, NH250, NH251 and NH252	**3/27/2023**	**3,000**	**ADC**
NH246	3/14/2023	500	ADC
NH238, NH239, NH240, NH241, NH242, NH243, NH244 and NH245	3/10/2023	4,000	ADC
NH233, NH234, NH235, NH236 and NH237	2/23/2023	2,050	ADC
NH232	1/19/2023	500	ADC
NH228, NH229, NH230 and NH231	1/13/2023	2,000	ADC
NH219, NH220, NH221, NH222, NH223, NH224, NH225, NH226, and NH227	12/12/2022	4,500	ADC
NH216, NH217, NH218, A6-A10, A6-D7, A6-E7, A6-F7, and A6-G7	11/29/2022	4,000	ADC
NH210, NH211, NH212, NH213, NH214 and NH215	11/10/2022	3,000	ADC
A6-A4, A6-A5, A6-A6, A6-A7, A6-B4, A6-B5, S6-C4, A6-D4, and A6-D5. NH204, NH205, NH206, NH207, NH208 and NH209.	10/30/2022	7,500	ADC
A6-A1, A6-A2, A6-A3, A6-A8, A6-A9, A6-B1, A6-B2, A6-B3, A6-B8, A6-C1, A6-C3/C3S	10/24/2022	5,500	ADC
NH193, NH194, NH195, NH196, NH197, NH198, NH199, NH200, NH201, NH202, NH203	10/7/2022	5,500	ADC
NH187, NH188, NH189, NH190, NH191, NH192	9/30/2022	3,000	ADC

NH181, NH182, NH183, NH184, NH185, NH186	9/22/2022	3,000	ADC
NH171, NH172, NH173, NH174, NH175, NH176, NH177, NH178, NH179, NH180	9/19/2022	5,000	ADC
Total Project Tons		**53,050 Tons**	

Profile #24333 – Approval for Alternate Daily Cover (One-Time Event)

Ontario County Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Silverole Trucking LV Smith K&L Trucking KA Transport
Customer:	Remedial Construction Services (ReCon)
Material/Description:	<50ppm Non-TSCA PCB contaminated soil from IRM 5A2 Area 6
Classification:	Contaminated Soil / See Table Above
Quantity:	See Table Above
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	~~12/19/2022~~ ~~1/31/2023~~ ~~**3/1/2023**~~ **6/1/2023**
Term:	Place Inactive Upon Expiration

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

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rec'd 10/5/2022

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

05 October 2022

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: IRM5A2-NH193 Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018 . From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

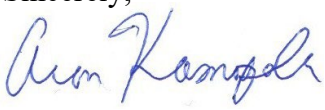
- 1887 – 1909: B. W. Payne & Sons, manufacturer of high speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soils from the Site. Excavated soil has been stockpiled in the material storage area (MSA) and representative samples have been collected for each stockpile. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Stockpile sample IRM5A2-NH193 results indicate the material contains trichloroethene at a concentration of 0.0060 miligrams per liter (mg/L) (J-flagged). Casella has requested documentation that this stockpile is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Anaytical results have been provided for this material (refer to Eurofins Environment Testing America Lab Report 180-145134-1). The TCLP concentration of trichloroethene is below regulatory levels for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of this IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the trichloroethene is unknown, so it cannot be concluded how the source material was used for its solvent properties, or that it was spent. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.
Beech and Bonaparte Engineering, P.C.

engineers | scientists | innovators

#24333
IRM5A2- Area 6
NH 211-213
non haz

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

8 November 2022

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: IRM5A2-NH211 & IRM5A2-NH213 Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018 . From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soils from the Site. Excavated soil has been stockpiled in the material storage area (MSA) and representative samples have been collected for each stockpile. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Laboratory analytical results for stockpile samples IRM5A2-NH211 and IRM5A2-NH213 detected 0.17 miligrams per liter (mg/L) tetrachloroethene (PCE) and 0.011 mg/L of benzene, respectively, following Toxicity Characteristic Leaching Procedure (TCLP) extraction. Similar to previous stockpile analytical results with low-level detections of VOCs, Unisys is providing documentation that the stockpiles associated with the referenced samples are not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Anaytical results are provided for thes stockpiles are provided in Eurofins Environment Testing America Lab Report 180-146839-1 (Attachment 1). TCLP concentrations of PCE and benzene are below regulatory levels for the toxicity characteristic per 40 CFR 261.24 for these stockpiles.

Wastes generated from this property as part of this IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origins of the PCE and benzene are unknown, so we cannot conclude how the source materials were used for their solvent properties, or that they were spent. Given that the source materials are unknown, the before-use concentration threshold cannot be determined.

Sincerely,

Aron Krasnopoler, Ph.D., P.E.(MD, NY)
Beech and Bonaparte Engineering, P.C.

Attachments: Eurofins Environment Testing America Lab Report 180-146839-1

engineers | scientists | innovators

Special Waste Characterization Profile

Profile Number 24488

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☐ **New York:** Hyland (Angelica, NY)
- ☒ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation

Mailing Address: 1399 Pilot Knob Road

City: Eagan State: MN ZIP Code: 55121

Contact Name: Terry Etter Title: _____

Phone: 651-212-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services

Billing Address: 9977 Sam Houston Parkway N. Suite 100

City: Houston State: TX ZIP Code: 77064

Contact Name: Larry Endicott Title: _____

Phone: (609) 357-8470 Fax: _____ Email: larry.endicott@reconservices.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologists of New York, PC

Contact Name: Aron Krasnopoler Title: Senior Engineer

Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

7/20/22 TRE 36,600 rec 6/7/22

V. Delivery and Quantity 36,600 ☒ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~6600~~ ☒ Tons ☐ Cubic Yards ☐ Other: _____

Density of Waste (Approximate): 3,800 Pounds/Cubic Yard

Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☒ Tractor Trailer ☐ Vac Truck ☐ Other: _____

Hauler Name: L&V smith, Inc.

Mailing Address: 811 Beartown Road Phone: 607-973-2253

Transporter Permit #: 8A-1149 (for State of Disposal)

Previous Disposal Facility (Name): _____

Application Was Submitted to/Approved by Another Disposal Facility (Name): _____

VI. Waste Stream Information

Common Waste Name: Soil

Location or Address of Waste Generation Site: 777 S Main Street

City: Elmira State: NY ZIP Code: 14904 County: Chemung

Site Type: ☒ Industrial/Manufacturing ☐ Commercial ☐ Residential

☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Site is former Sperry Remington Site - North Portion (NYSDEC #c808022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 1947 to 1972. Manufacturing operations included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining of parts, plating, degreasing. Waste is from remediation of soils contaminated from historic facility use.

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Waste is uniform in nature with no detectable discoloration or odor. Soil (~~6,800~~ 36,600 tons) is contaminated due to historic industrial use. Representative Soil Sample IDs are listed on the attached summary. ~~26,000 tons~~ ~~4/3/22 TRE~~ 7/20/22 TRE

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☒ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter ~~Terry Etter~~ Terry Etter

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: ~~5/20/22~~ ~~4/3/22~~ 7/20/22

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab ____ Composite

Sample Source: ____ Boring(s) ____ Test Pit(s) ▪ Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☑ Total RCRA 8 Metals
- ☑ TotalVolatile Organic Compounds (VOCs)
- ☑ Total Semi-Volatile Organic Compounds (SVOCs)
- ☐ TCLP Herbicides See Gen Knowledge
- ☐ TCLP Pesticides See Gen Knowledge
- ☐ Reactive Sulfide See Gen Knowledge
- ☐ Reactive Cyanide See Gen Knowledge
- ☑ Total PCBs
- ☑ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☑ Corrosivity by pH
- ☑ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☑ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

A waiver for analyses for Reactivity, Herbicides and Pesticides is requested. Herbicides and pesticides are not constituents for concern at the Site based on previous investigations` Waste characterization analyses for herbicides and pesticides as part of previous remedial activities did not have detections that indicated characteristic wastes. Therefore, waste characterization analyses for herbicides and pesticides are not needed. The soil is not reactive per 40 CFR 261.23.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Wednesday, August 31, 2022 7:56 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Note To Customer/Landfill: Expiration Date Extended to **October 1, 2022**.

Note To Customer/Landfill: Approval for additional 5,500 tons of soil from stockpile IRM 5A2 **NH-147 through NH-157**. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage = 28,300 tons.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on August 23, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-147**], intended use [**ADC**] and Profile **[#24488**]

From: Karen Flanders
Sent: Tuesday, August 23, 2022 8:30 AM
To: Special Waste <Special.Waste@casella.com>; Miranda Stelmach <MStelmach@Geosyntec.com>;

Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 1,500 tons of soil from stockpile IRM 5A2 **NH-143, NH-144 and NH-145**. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage = 22,800 tons.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on August 23, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-143**], intended use [**ADC**] and Profile **[#24488**]

From: Karen Flanders
Sent: Wednesday, August 10, 2022 8:03 AM
To: Special Waste <Special.Waste@casella.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Lawrence Endicott' <larry.endicott@keller-na.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; 'Emily Lofthus' <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew

Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>
Subject: UPDATE: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 500 tons of soil from stockpile IRM 5A2 **NH-142**; Volume to-date has been underestimated, a tonnage increase is not needed. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage Remains Unchanged @ 21,300 tons.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on August 10, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-142**], intended use [**ADC**] and Profile **[#24488**]

From: Karen Flanders
Sent: Sunday, August 7, 2022 12:14 PM
To: Special Waste <Special.Waste@casella.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>
Subject: UPDATE: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

UPDATE: Expiration Date Extended to 9/1/2022

Note To Customer/Landfill: Approval for additional 4,000 tons of soil from stockpiles IRM 5A2 **NH-134, NH-135, NH-136, NH-137, NH-138, NH-139, NH-140, NH-141 (500 tons/pile)**; Volume

to-date has been underestimated, a tonnage increase is not needed. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage Remains Unchanged @ 21,300 tons.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on August 7, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-134**], intended use [**ADC**] and Profile **[#24488**]

From: Special Waste
Sent: Thursday, July 28, 2022 12:45 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <ichael.pike@casella.com>; Daniel Jones <ichae.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; edward.lopez@casella.com; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <ichael.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <ichael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 4,500 tons of soil from stockpiles IRM 5A2 **NH-125, NH-126, NH-127, NH-128, NH-129, NH-130, NH-131, NH-132, NH-133 (500 tons/pile)**; Volume to-date has been underestimated, a tonnage increase is not needed. Only soil represented by attached analytical data is approved for disposal.

Project Total Approved Tonnage Remains Unchanged @ 21,300 tons.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on July 28, 2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-125**], intended use [**ADC**] and Profile **[#24488**]

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, July 21, 2022 10:40 PM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 500 tons of soil from stockpile IRM 5A2 NH-124; **project total-to-date = 21,300 tons**. Only soil represented by attached analytical data is approved for disposal.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on 7/21/2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-124**], intended use [**ADC**] and Profile **[#24488**]

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, July 20, 2022 2:13 PM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler

<Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 1,200 tons of soil from stockpiles IRM 5A2 NH-122, NH-123 (500 tons/pile) and soil sample CB3 BOT (200 tons); **project total-to-date = 20,800 tons**. Only soil represented by attached analytical data is approved for disposal.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on 7/20/2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-122**], intended use [**ADC**] and Profile **[#24488**]

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, July 14, 2022 7:44 AM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>;

Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 3,000 tons of soil from stockpiles IRM 5A2 NH-116, NH-117, NH-118, NH-119, NH-120 and NH-121; **project total-to-date = 19,600 tons**. Only soil represented by attached analytical data is approved for disposal.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on 7/14/2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-116**], intended use [**ADC**] and Profile **[#24488**]

From: Special Waste <Special.Waste@casella.com>
Sent: Tuesday, July 12, 2022 1:36 PM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 1,500 tons of soil from stockpiles IRM 5A2 NH-113, NH-114 and NH-115; project total = 16,600 tons. Only soil represented by attached analytical data is approved for disposal.

June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on 7/12/2022.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-113**], intended use [**ADC**] and Profile **[#24488**]

UPDATE: **Maybee Enterprises, Inc. and Leon Lacy, Inc.** were added as approved haulers (Part 364 Permit attached).

From: Special Waste <Special.Waste@casella.com>
Sent: Tuesday, July 5, 2022 11:01 AM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 250 tons of soil from stockpile IRM 5A2 NH-102; project total = 15,100 tons. Only soil represented by attached analytical data is approved for disposal.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-102**], intended use [**ADC**] and Profile **[#24488**]

UPDATE: **KA Transport** and **K&L Trucking** added as an additional hauler (Part 364 Permits attached).

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, June 29, 2022 7:17 PM
To: Miranda Stelmach <Mstelmach@Geosyntec.com>; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Becky Hollenbeck <becky.hollenbeck@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 5,750 tons of soil from IRM 5A2 stockpiles or test-pits represented by sample IDs: NH-97 through NH-101 and NH-103 through NH-112; project total = 14,850 tons. Only soil represented by attached analytical data is approved for disposal. June 21, 2022, NYSDEC Region 8 email permitted self-approval of this project for ADC; as required, analytical laboratory reports were submitted to NYSDEC Region 8 on 6/29/2022.

NOTE: Soil represented by sample NH-102 is EXCLUDED and must be segregated at the project site.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil]**, **Source Area** [**IRM 5A2 NH-97**], intended use [**ADC**] and Profile **[#24488]**

500 Tons Each Stockpile Soil	250 Tons Each Test Pit Soil
NH-97	NH-99
NH-98	NH-100
NH-103	NH-101
NH-108	NH-104
NH-109	NH-105

NH-110	**NH-106**
NH-111	**NH-107**
lNH-112	

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Wednesday, June 15, 2022 6:25 AM
To: hy
Cc: Ann Santell <Ann.Santell@casella.com>; Brian Sanders <brian.sanders@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Daniel Jones <daniel.jones@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Drake Miller <drake.miller@casella.com>; Edward Lopez <edward.lopez@casella.com>; Emily Lofthus <emily.lofthus@casella.com>; Erin Campbell <erin.campbell@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 1,000 tons of soil from 2 stockpiles, IRM 5A2 NH-88 and NH-89; project total = 9,100 tons. Only soil represented by attached analytical data is approved for disposal. NYSDEC Region 8 approval email attached.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-88**], intended use [**ADC**] and Profile **[#24488**]

From: Karen Flanders
Sent: Tuesday, June 7, 2022 1:00 PM
To: Miranda Stelmach Mstelmach@Geosyntec.com; Aron Krasnopoler Akrasnopoler@Geosyntec.com; Etter, Terry R. terry.etter@unisys.com; Lawrence Endicott larry.endicott@keller-na.com; Kyle Cunningham kyle.cunningham@reconservices.com; 'scott.sutton@keller-na.com' scott.sutton@keller-na.com; Amanda McNally AmcNally@Geosyntec.com; Brian Harris Brian.Harris@Geosyntec.com
Cc: Ann Santell Ann.Santell@casella.com; Brian Sanders brian.sanders@casella.com; Cameron R Pike cameron.pike@casella.com; Daniel Jones daniel.jones@casella.com; Dennis Pantano Dennis.Pantano@casella.com; Drake Miller drake.miller@casella.com; edward.lopez@casella.com; Emily Lofthus emily.lofthus@casella.com; Erin Campbell erin.campbell@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley

<matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Nancy Gilman <Nancy.Gilman@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile & Non-Haz) for ADC

Note To Customer/Landfill: Approval for additional 1,500 tons of soil from 3 stockpiles, IRM 5A2 NH-85, NH-86, NH-87; project total = 8,100 tons. Only soil represented by analytical data attached is approved for disposal. NYSDEC Region 8 approval email attached. Updated Profile Form for proposed 26,600 tons, attached.

The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2 NH-85**], intended use [**ADC**] and Profile **[#24488**]

From: Karen Flanders
Sent: Wednesday, June 1, 2022 5:42 PM
To: Miranda Stelmach Mstelmach@Geosyntec.com; Aron Krasnopoler <Akrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AmcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Subject: APPROVAL: #24488 – Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY – IRM 5A2 - <50 ppm PCB Soil (Reuse High-Pile) for ADC

Note To Customer/Landfill: Approval for initial 6,600 tons of soil from IRM 5A2 –Reuse High-Pile, Ineligible For On-Site Use Due to Structural Integrity represented by attached site plan and representative analytical data summary (lab reports are on-file at special waste). Laboratory reports are not attached due to file size. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Ontario County Landfill (585) 526-4420. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-Reuse High Pile**], intended use [**ADC**] and Profile **[#24488**]

IRM 5A2 Reuse Soil Stockpile	Volume (Tons)	Lab Rpt	Contained-In Determination	TCLP	PCBs (mg/kg)	B[a]P Equivalent (mg/kg)
Area 2 - A2A4	200	180-130004	12/13/2021	Not Req'd	0.08	0.008
Area 2 -A2A5	200	180-130004	12/13/2021	Not Req'd	0.06	0.025
Area 2 - A2A8	200	180-130004	12/13/2021	Not Req'd	0.07	0.047
Area 2 - A2A9	200	180-130004	12/13/2021	Not Req'd	0.17	0.255
Area 2 - A2A10	200	180-130004	12/13/2021	Not Req'd	7.60	2.009
Area 2 - A2A11	200	180-130004	12/13/2021	Not Req'd	1.92	1.983
Area 2 - A2A12	200	180-130004	12/13/2021	Not Req'd	0.32	1.366
Area 2 - A2A13	200	180-130004	12/13/2021	TCLP (Lead = ND)	0.23	0.086
Area 2 - A2A14	200	180-130057	12/21/2021	Not Req'd	0.79	1.031
Area 2 - A2A17	200	180-130057	1/5/2022	TCLP (Lead = 0.04)	0.59	0.719
Area 2 - A2A18	200	180-130057	12/21/2021	Not Req'd	0.29	0.705
Area 2 - A2A20	200	180-130126	12/21/2021	Not Req'd	0.54	1.089
Area 2 - A2A22	200	180-130126	12/21/2021	Not Req'd	4.00	1.296
Area 2 - A2A24	200	180-130126	12/21/2021	Not Req'd	0.46	0.525
Area 2 - A2A25	200	180-130216	12/21/2021	Not Req'd	ND	0.008
Area 2 - A2A26	200	180-130216	12/21/2021	Not Req'd	0.07	0.143
Area 2 - A2A27	200	180-130217	12/21/2021	Not Req'd	0.17	8.424
Area 2 - A2A61	200	180-132484	Not Req'd	Not Req'd	5.06	0.278
Area 2 - A2A62	200	180-132484	Not Req'd	Not Req'd	1.54	0.070
Area 2 - A2A63	200	180-132484	Not Req'd	Not Req'd	2.21	0.000
Area 2 - A2A64	200	180-132484	Not Req'd	Not Req'd	0.76	0.000
Area 2 - A2A66	200	180-133346	Not Req'd	Not Req'd	0.32	0.006
Area 2 - A2A67	200	180-133346	Not Req'd	Not Req'd	0.42	0.000
Area 2 - A2A68	200	180-133533	Not Req'd	Not Req'd	ND	0.031
Area 2 - A2A69	200	180-133533	Not Req'd	Not Req'd	0.06	0.000
Area 2 - A2A70	200	180-133611	4/11/2022	Not Req'd	1.70	0.292
Area 2 - A2A94	200	180-134729	4/11/2022	Not Req'd	0.06	0.005
Area 2 - A2A95	200	180-134729	4/11/2022	Not Req'd	0.61	0.010
Area 2 - A2A96	200	180-134729	Not Req'd	Not Req'd	0.24	0.007
Area 2 - A2A97	200	180-134842	Not Req'd	Not Req'd	0.30	0.007
Area 2 - A2A98	200	180-134842	Not Req'd	Not Req'd	0.91	0.084
Area 2 - A2A99	200	180-134842	Not Req'd	Not Req'd	0.24	0.017
Area 2 - A2A100	200	180-134842	Not Req'd	Not Req'd	0.27	0.047

Profile #24488 – Approval for ADC (One-Time Event)

Ontario County Landfill

Generator: Unisys Corporation
777 S. Main Street
Elmira, NY 14904

Hauler/Carrier: Riccelli Enterprises, Inc
Page E.T.C.
Silverole Trucking
LV Smith
K&L Trucking
KA Transport

Customer: Remedial Construction Services (ReCon)

Material/Description:	<50ppm Non-TSCA PCB contaminated soil from IRM 5A2 Ineligible for Reuse, Consolidated and 'High-Piled' Non-Hazardous Soil from IRM 5A2 (NH-85, NH-86, NH87) Non-Hazardous Soil from IRM 5A2 (NH-88 and NH-89) Non-Hazardous Soil from IRM 5A2 (NH-97 thru NH-101, NH-103 thru NH-112) Non-Hazardous Soil from IRM 5A2 NH-102 Non-Hazardous Soil from IRM 5A2 NH-113, NH-114 and NH-115 Non-Hazardous Soil from IRM 5A2 (NH-116 thru NH-121) Non-Hazardous Soil from IRM 5A2 NH-122, NH-123, CB3 BOT Non-Hazardous Soil from IRM 5A2 NH-124 Non-Hazardous Soil from IRM 5A2 NH-125 thru NH-133 Non-Hazardous Soil from IRM 5A2 NH-134 thru NH-141 Non-Hazardous Soil from IRM 5A2 NH-142 Non-Hazardous Soil from IRM 5A2 NH-143 thru NH-145 **Non-Hazardous Soil from IRM 5A2 NH-147 thru NH-157** **Only soil from the samples locations listed above are approved.**
Classification:	Contaminated Soil / ADC
Quantity:	~~6,600~~ ~~8,100~~ ~~9,100~~ ~~14,850~~ ~~15,100~~ ~~16,600~~ ~~19,600~~ ~~20,800~~ ~~21,300 tons~~ **28,300 tons**
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	~~8/5/2022 9/1/2022~~ **10/1/2022**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Region 8 Approval Letter/Email Attached
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department

25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5411 I F: (585) 226-2909
www.dec.ny.gov

June 1, 2022

Ms. Karen Flanders
Special Waste Department
Casella Waste Systems, Inc.
25 Green Hills Lane
Rutland, VT 05701

Dear Ms. Flanders:

Re: Ontario County Landfill, 1879 Routes 5&20, Stanley, NY
Request for Contaminated Soils as BUD-AOC (#24488)
Unisys Corporation-Former Sperry Remington
Project Site-Elmira High School, 777 Sounth Main Street, Elmira, NY 14904

I have reviewed the above referenced submittal (Special Waste Characterization Profile, Analytical Summary Tables, Laboratory Reports, Aerial Photo, and Project Summary).

Based on our review soils represented by this data provided are approved for use as BUD alternative daily cover provided the material is only used on inside slopes. Any stockpiles must be located within the lined footprint of the landfill. Please note that BUD ADC management (stockpile limits, stormwater management, etc.) must be in conformance with the facility O+M plan.

If you have any questions concerning this letter I can be reached at 585-478-3843 or jason.boliver@dec.ny.gov.

Sincerely,
Jason Boli
Jason Boliver
Environmental Program Specialist
Division of Materials Management

Cc: G. Maclean-NYSDEC
M. Osypian-NYSDEC
B. Sanders-Casella
Special.Waste@casella.com
J. Hamelin-Casella

Karen Flanders

From: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Sent: Tuesday, June 7, 2022 12:21 PM
To: Karen Flanders
Cc: Brian Sanders; Joshua Hamelin; Daniel Jones; Special Waste; MacLean, Greg B (DEC); Osypian, Mackenzie L (DEC)
Subject: [External] Re: TONNAGE INCREASE APPROVAL REQUEST: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Reuse Contaminated Soil for ADC

Karen,

The request to increase the tonnage is approved along with the soils represented by the attached sampling results. All conditions in the original approval letter must be applied to the additional soils. Please continue to provide sampling data as it becomes available and I will continue to approve in this manner with no formal approval letter but only via email. If you need anything else let me know.

Reagards,

Jason Boliver
NYSDEC Region 8 Environmental Monitor

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Monday, June 6, 2022 9:20 AM
To: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Daniel Jones <daniel.jones@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: TONNAGE INCREASE APPROVAL REQUEST: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Reuse Contaminated Soil for ADC

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Jason,
Unisys has requested approval for acceptance of approximately 20,000 additional tons of Non-Hazardous Soil from IRM 5A2 as alternate operating cover (AOC) at Ontario County Landfill under Profile #24488. We believe this material meets the requirements for AOC in accordance with Section 363-6.21(c) and Section 363-7.1(b) of the Solid Waste Regulations.

The original request submitted on June 1st was 6,600 tons of soil intended for reuse at the site; however the material was primarily unusable due to soil integrity. The additional 20,000 tons of soil proposed for acceptance is non-hazardous soil generated in the IRM 5A2 remediation area at Elmira High School. Based on the in-situ data, the contractor excavates the soil in 350 CY (500 tons) stockpiles and collects a composite sample for waste characterization analysis. The attached analytical data provided represents approximately 1,500 tons of non-hazardous stockpiled soil; Sample IDs NH85, NH-86 and NH-87. Additional analysis will be submitted for each excavation event.

The following documents are provided to support this request:

- Revised Special Waste Characterization Profile
- Eurofins Laboratory Report 180-138316-1 (6/3/2022)

Please do not hesitate to contact me with any questions.

Thank you,
Karen

From: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Sent: Wednesday, June 1, 2022 2:16 PM
To: Karen Flanders <Karen.Flanders@casella.com>
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Jason,

Attached please find a request to use approximately 6,600 tons of non-hazardous <50ppm non-TSCA PCB contaminated soil as alternate operating cover (AOC) at Ontario County Landfill. We believe this material meets the requirements for AOC in accordance with Section 363-6.21(c) and Section 363-7.1(b) of the Solid Waste Regulations. The soil is being excavated from the IRM 5A2 remediation area at Elmira High School. The contamination resulted from historic operations by the former Sperry Remington manufacturing facility (see DER project link below). The analytical data provided represents approximately 6,600 tons of stockpiled soil. Samples were collected from individual 200 tons stockpiles and once results confirmed the soil was acceptable, the soil was consolidated into a single “high-pile” (see attached aerial photo for reference).

Due to the file size of the documents, the laboratory reports will be sent in a separate email.

The following documents are provided to support this request:

- Submittal Letter
- Sample Summary Index with Corresponding Lab Reports
- Special Waste Characterization Profile
- Analytical Data Summary Table
- Laboratory Reports (separate email)
- Aerial Photo

DER Project link: https://www.dec.ny.gov/chemical/102390.html

Please let me know if a hard-copy of this request is required. Don't hesitate to contact me with any questions.

Thank you,
Karen

Special Waste Department

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Andrew Thomas

From: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Sent: Tuesday, June 14, 2022 12:11 PM
To: Karen Flanders
Cc: Brian Sanders; Joshua Hamelin; Daniel Jones; Special Waste; Osypian, Mackenzie L (DEC); MacLean, Greg B (DEC)
Subject: [External] Re: TONNAGE INCREASE APPROVAL REQUEST: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Reuse Contaminated Soil for ADC

Karen,

The request is approved for the material represented by the results submitted.

Regards,

Jason Boliver
NYSDEC Region 8 Environmental Monitor

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Monday, June 13, 2022 7:54 AM
To: Boliver, Jason K (DEC) <jason.boliver@dec.ny.gov>
Cc: Brian Sanders <brian.sanders@casella.com>; Joshua Hamelin <joshua.hamelin@casella.com>; Daniel Jones <daniel.jones@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: TONNAGE INCREASE APPROVAL REQUEST: #24488 - Ontario; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Reuse Contaminated Soil for ADC

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The attached analytical data provided represents approximately 1,000 tons of non-hazardous stockpiled soil; Sample IDs NH88 and NH-89. The sample ID CB3BOT is not applicable to this request.

The following documents are provided to support this request:

- Eurofins Laboratory Report 180-138644-2 (6/6/2022) NH-88

- Eurofins Laboratory Report 180-138820-1 (6/8/2022) NH-89

Please do not hesitate to contact me with any questions.

Thank you,
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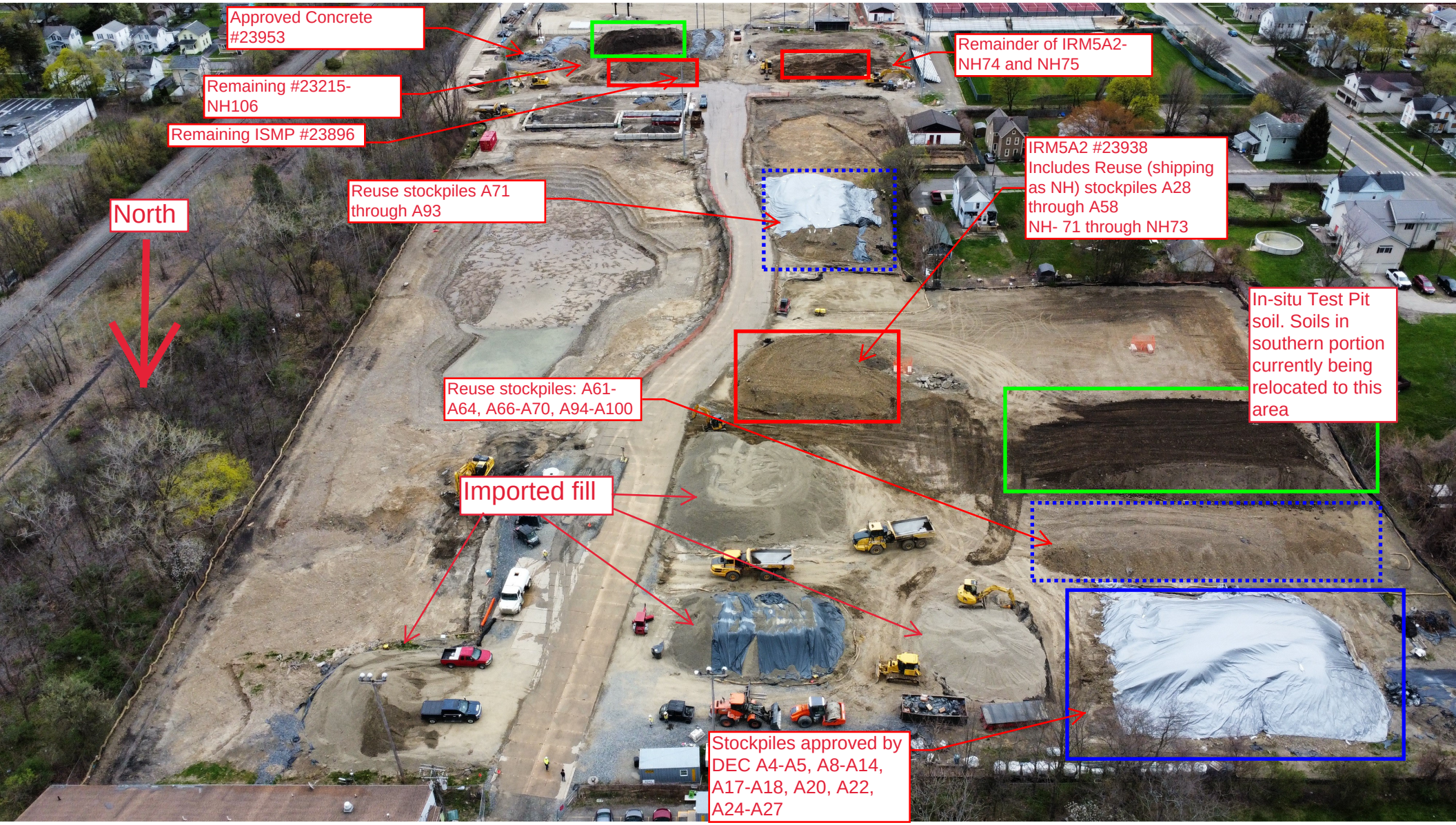

Approved Concrete #23953
Remaining #23215-NH106
Remaining ISMP #23896
Reuse stockpiles A71 through A93
North
Remainder of IRM5A2-NH74 and NH75
IRM5A2 #23938
Includes Reuse (shipping as NH) stockpiles A28 through A58
NH- 71 through NH73
In-situ Test Pit soil. Soils in southern portion currently being relocated to this area
Reuse stockpiles: A61-A64, A66-A70, A94-A100
Imported fill
Stockpiles approved by DEC A4-A5, A8-A14, A17-A18, A20, A22, A24-A27

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A4A	SSHS-IRM5A2-A2-A4B	SSHS-IRM5A2-A2-A4C	SSHS-IRM5A2-A2-A5A	SSHS-IRM5A2-A2-A5B	SSHS-IRM5A2-A2-A5C	SSHS-IRM5A2-A2-A8A	SSHS-IRM5A2-A2-A8B	SSHS-IRM5A2-A2-A8C	SSHS-IRM5A2-A2-A9A	SSHS-IRM5A2-A2-A9B	SSHS-IRM5A2-A2-A9C	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-A2-A10C
					Sample Name	SSHS-IRM5A2-A2-A4A	SSHS-IRM5A2-A2-A4B	SSHS-IRM5A2-A2-A4C	SSHS-IRM5A2-A2-A5A	SSHS-IRM5A2-A2-A5B	SSHS-IRM5A2-A2-A5C	SSHS-IRM5A2-A2-A8A	SSHS-IRM5A2-A2-A8B	SSHS-IRM5A2-A2-A8C	SSHS-IRM5A2-A2-A9A	SSHS-IRM5A2-A2-A9B	SSHS-IRM5A2-A2-A9C	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-DUP7A	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-DUP7B	SSHS-IRM5A2-A2-A10C
					Sample Date	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021
					Lab Report	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-1	180-130004-1	180-130004-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**																	
PCBs	Arochlor 1016	mg/kg	0.0055			-	-	<0.0063U,*3	-	-	<0.0061U,*3	-	-	<0.0062U	-	-	<0.0063U	-	-	-	-	<0.006U
	Arochlor 1221	mg/kg	0.006			-	-	<0.0069U,*3	-	-	<0.0066U,*3	-	-	<0.0068U	-	-	<0.0069U	-	-	-	-	<0.0065U
	Arochlor 1232	mg/kg	0.0041			-	-	<0.0047U,*3	-	-	<0.0046U,*3	-	-	<0.0046U	-	-	<0.0047U	-	-	-	-	<0.0045U
	Arochlor 1242	mg/kg	0.0025			-	-	<0.0029U,*3	-	-	<0.0027U,*3	-	-	<0.0028U	-	-	<0.0029U	-	-	-	-	<0.0027U
	Arochlor 1248	mg/kg	0.0043			-	-	<0.0047U,*3	-	-	<0.0045U,*3	-	-	0.034	-	-	0.1	-	-	-	-	5.4
	Arochlor 1254	mg/kg	0.0056			-	-	0.084	-	-	0.059	-	-	0.035	-	-	0.072	-	-	-	-	2.2
	Arochlor 1260	mg/kg	0.0048			-	-	<0.0055U	-	-	<0.0053U	-	-	<0.0054U	-	-	<0.0055U	-	-	-	-	<0.0052U
	Arochlor 1262	mg/kg	0.0059			-	-	<0.0069U	-	-	<0.0066U	-	-	<0.0067U	-	-	<0.0068U	-	-	-	-	<0.0065U
	Arochlor 1268	mg/kg	0.0023			-	-	<0.0026U	-	-	<0.0025U	-	-	<0.0026U	-	-	<0.0026U	-	-	-	-	<0.0025U
	Arochlor-unspecified	mg/kg			1	-	-	0.1043	-	-	0.07845	-	-	0.08655	-	-	0.1899	-	-	-	-	7.617
Inorganics	Arsenic	mg/kg	0.62	100	16	-	-	6.5	-	-	5.7	-	-	6.4	-	-	7.5	-	-	-	-	9.6
	Barium	mg/kg	12	2000	400	-	-	84	-	-	74	-	-	78	-	-	73	-	-	-	-	89
	Beryllium	mg/kg	0.25		47	-	-	0.45J	-	-	0.42	-	-	0.46	-	-	0.44	-	-	-	-	0.54
	Cadmium	mg/kg	0.073	20	4.3	-	-	0.068J	-	-	0.066J	-	-	0.085J	-	-	0.098J	-	-	-	-	0.14J
	Chromium (hexavalent)	mg/kg	0.22		19	-	-	<0.25U	-	-	<0.24U	-	-	<0.25U	-	-	<0.25U	-	-	-	-	<0.24U
	Chromium (III+VI)	mg/kg	0.31	100	19	-	-	12	-	-	12	-	-	12	-	-	13	-	-	-	-	20
	Copper	mg/kg	1.5		270	-	-	15	-	-	24	-	-	27	-	-	43	-	-	-	-	160
	Cyanide Total	mg/kg	0.18		27	-	-	<0.29U	-	-	<0.29U	-	-	<0.28U	-	-	<0.26U	-	-	-	-	0.37J
	Lead	mg/kg	0.62	100	400	-	-	12	-	-	11	-	-	15	-	-	28	-	-	-	-	44
	Manganese	mg/kg	0.93		2000	-	-	450	-	-	390	-	-	410	-	-	430	-	-	-	-	510
	Mercury	mg/kg	0.013	4	0.73	-	-	<0.019U	-	-	0.024J	-	-	0.043	-	-	0.075	-	-	-	-	0.079
	Nickel	mg/kg	2.5		130	-	-	18	-	-	16	-	-	17	-	-	20	-	-	-	-	29
	Selenium	mg/kg	0.29	20	4	-	-	<0.6U	-	-	<0.38U	-	-	0.56J	-	-	<0.57U	-	-	-	-	<0.46U
	Silver	mg/kg	0.064	100	8.3	-	-	<0.12U	-	-	<0.078U	-	-	<0.11U	-	-	<0.12U	-	-	-	-	<0.093U
	Zinc	mg/kg	1.2		2480	-	-	50	-	-	54	-	-	70	-	-	80	-	-	-	-	120
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.0093U	<0.0078U	<0.012U	<0.0076U	<0.0075U,*3	<0.011U	<0.0078U	<0.0081U	<0.012U	<0.0078U	<0.0079U	<0.012U	<0.0091U	<0.011U	<0.012U	<0.0084U	<0.023U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		-	-	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	-	-	<0.026U
	2,4,6-trichlorophenol	mg/kg	0.011	40		-	-	<0.013U	-	-	<0.012U	-	-	<0.013U	-	-	<0.013U	-	-	-	-	<0.025U
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		-	-	<0.023U	-	-	<0.022U	-	-	<0.022U	-	-	<0.023U	-	-	-	-	<0.045U
	2-methylphenol	mg/kg	0.0097	4000	0.33	-	-	<0.011U	-	-	<0.011U	-	-	<0.011U	-	-	<0.011U	-	-	-	-	<0.022U
	4-methylphenol	mg/kg	0.01	4000	0.33	-	-	<0.011U	-	-	<0.011U	-	-	<0.011U	-	-	<0.011U	-	-	-	-	0.063J
	Acenaphthene	mg/kg	0.002		98	-	-	<0.0022U	-	-	0.0022J	-	-	<0.0022U	-	-	0.0051J	-	-	-	-	0.43
	Acenaphthylene	mg/kg	0.0015		100	-	-	<0.0017U	-	-	0.0058J	-	-	0.018	-	-	0.075	-	-	-	-	0.16
	Anthracene	mg/kg	0.0018		100	-	-	<0.002U	-	-	0.0069J	-	-	0.013	-	-	0.068	-	-	-	-	1
	Benz(a)anthracene	mg/kg	0.0031		1	-	-	0.0059J	-	-	0.019	-	-	0.036	-	-	0.2	-	-	-	-	1.8
	Benzo(a) pyrene	mg/kg	0.003		1	-	-	0.0055J	-	-	0.018	-	-	0.033	-	-	0.18	-	-	-	-	1.3
	Benzo(b)fluoranthene	mg/kg	0.0017		1	-	-	0.0078	-	-	0.026	-	-	0.052	-	-	0.25	-	-	-	-	1.6
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	-	-	0.0041J	-	-	0.016	-	-	0.033	-	-	0.17	-	-	-	-	0.94
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	-	-	0.0036J	-	-	0.0082	-	-	0.015	-	-	0.077	-	-	-	-	0.65
	Chrysene	mg/kg	0.0039		1	-	-	0.0071J	-	-	0.024	-	-	0.041	-	-	0.22	-	-	-	-	1.7
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	-	-	<0.0049U	-	-	0.0048J	-	-	0.0083	-	-	0.047	-	-	-	-	0.28
	Dibenzofuran	mg/kg	0.013		59	-	-	<0.014U	-	-	<0.014U	-	-	<0.014U	-	-	<0.014U	-	-	-	-	0.29
	Fluoranthene	mg/kg	0.0018		100	-	-	0.0097	-	-	0.03	-	-	0.052	-	-	0.3	-	-	-	-	3.3E
	Fluorene	mg/kg	0.0013		100	-	-	<0.0015U	-	-	<0.0014U	-	-	0.0029J	-	-	<0.0015U	-	-	-	-	0.43
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	-	-	<0.0027U	-	-	<0.0026U	-	-	<0.0027U	-	-	<0.0028U	-	-	-	-	<0.0054U
	Hexachlorobutadiene	mg/kg	0.002	10		-	-	<0.0022U	-	-	<0.0021U	-	-	<0.0022U	-	-	<0.0023U	-	-	-	-	<0.0044U
	Hexachloroethane	mg/kg	0.012	60		-	-	<0.014U	-	-	<0.013U	-	-	<0.013U	-	-	<0.014U	-	-	-	-	<0.027U
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	-	-	0.0039J	-	-	0.014	-	-	0.028	-	-	0.15	-	-	-	-	0.89
	Naphthalene	mg/kg	0.0013		12	-	-	<0.0015U	-	-	0.005J	-	-	0.013	-	-	0.047	-	-	-	-	0.27
	Nitrobenzene	mg/kg	0.012	40		-	-	<0.014U	-	-	<0.013U	-	-	<0.014U	-	-	<0.014U	-	-	-	-	<0.027U
	Pentachlorophenol	mg/kg	0.055	2000	0.8	-	-	<0.061U	-	-	<0.059U	-	-	<0.061U	-	-	<0.062U	-	-	-	-	<0.12U
	Phenanthrene	mg/kg	0.0019		100	-	-	0.0045J	-	-	0.021	-	-	0.025	-	-	0.11	-	-	-	-	3.1E
	Phenol	mg/kg	0.01		0.33	-	-	<0.012U	-	-	<0.011U	-	-	<0.011U	-	-	<0.012U	-	-	-	-	<0.023U
	Pyrene	mg/kg	0.0017		100	-	-	0.0099	-	-	0.033	-	-	0.061	-	-	0.32	-	-	-	-	2.7
	Pyridine	mg/kg	0.018	100		-	-	<0.021U	-	-	<0.02U	-	-	<0.02U	-	-	<0.021U	-	-	-	-	<0.041U
	PAHs (Sum of total)	mg/kg				-	-	0.0678	-	-	0.2324	-	-	0.4312	-	-	2.215	-	-	-	-	20.12
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	<0.00024U	<0.0002U	-	<0.00019U	<0.00019U	-	<0.0002U	<0.00021U	-	<0.0002U	<0.0002U	-	0.00054J	0.0011J	<0.0003U	0.00027J	-
	1,1-dichloroethane	mg/kg	0.00015		0.27	<0.00021U	<0.00018U	-	<0.00017U	<0.00017U	-	<0.00018U	<0.00018U	-	<0.00018U	<0.00018U	-	<0.0002U	<0.00024U	<0.00027U	<0.00019U	-
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	<0.00023U	<0.00019U	-	<0.00019U	<0.00018U	-	<0.00019U	<0.0002U	-	<0.00019U	<0.00019U	-	<0.00022U	<0.00026U	<0.00029U	<0.00021U	-
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	<0.00025U	<0.00021U	-	<0.0002U	<0.0002U	-	<0.00021U	<0.00022U	-	<0.00021U	<0.00021U	-	<0.00024U	<0.00029U	<0.00032U	<0.00022U	-
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	<0.00037U	<0.00031U	-	<0.0003U	<0.0003U	-	<0.00031U	<0.00032U	-	<0.00031U	<0.00031U	-	<0.00036U	<0.00042U	<0.00047U	<0.00033U	-
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	<0.0003U	<0.00025U	-	<0.00025U	<0.00024U	-	<0.00025U	<0.00026U	-	<0.00025U	<0.00026U	-	<0.00029U	<0.00035U	<0.00039U	<0.00027U	-
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	<0.00032U	<0.00027U	-	<0.00026U	<0.00026U	-	<0.00027U	<0.00028U	-	<0.00027U	<0.00027U	-	<0.00031U	<0.00037U	<0.00041U	<0.00029U	-
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	<0.00037U	<0.00031U	-	<0.0003U	<0.0003U	-	<0.00031U	<0.00032U	-	<0.00031U	<0.00032U	-	<0.00036U	<0.00043U	<0.00048U	<0.00033U	-
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	<0.00023U	<0.00019U	-	<0.00019U	<0.00018U	-	<0.00019U	<0.0002U	-	<0.00019U	<0.00019U	-	<0.00022U	<0.00026U	<0.00029U	<0.00021U	-
	Acetone	mg/kg	0.0034		0.05	<0.0058U	<0.0049U	-	<0.0047U	<0.0047U	-	<0.0049U	<0.0051U	-	<0.0049U	<0.005U	-	0.0087	<0.0067U	0.19	<0.0052U	-
	Benzene	mg/kg	0.00019	10	0.06	<0.00026U	<0.00022U	-	<0.00021U	<0.00021U	-	<0.00022U	<0.00023U	-	<0.00022U	<0.00022U	-	<0.00026U	<0.0003U	<0.00034U	<0.00024U	-
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	<0.00039U	<0.00033U	-	<0.00032U	<0.00032U	-	<0.00033U	<0.00034U	-	<0.00033U	<0.00034U	-	<0.00038U	<0.00045U	<0.0005U	<0.00035U	-
	Chlorobenzene	mg/kg	0.00013	2000	1.1	<0.00018U	<0.00015U	-	<0.00015U	<0.00015U	-	<0.00015U	<0.00016U	-	<0.00015U	<0.00015U	-	<0.00018U	<0.00021U	<0.00023U	<0.00016U	-
	Chloroform	mg/kg	0.00062	120	0.37	<0.00099U	<0.00083U	-	<0.0008U	<0.0008U	-	<0.00083U	<0.00086U	-	<0.00083U	<0.00084U	-	<0.00096U	<0.0011U	<0.0013U	<0.00089U	-
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	<0.00036U	<0.00031U	-	<0.0003U	<0.00029U	-	<0.00031U	<0.00032U	-	<0.00031U	<0.00031U	-	<0.00036U	<0.00042U	<0.00047U	<0.00033U	-
	Dichloromethane	mg/kg	0.00083		0.05	<0.0012U	<0.00098U	-	<0.00095U	<0.00094U	-	<0.00098U	<0.0011U	-	<0.00098U	<0.00099U	-	<0.0011U	<0.0013U	<0.0015U	<0.0011U	-
	Ethylbenzene	mg/kg	0.00014		1	<0.0002U	<0.00017U	-	<0.00016U	<0.00016U	-	<0.00017U	<0.00018U	-	<0.00017U	<0.00017U	-	<0.0002U	<0.00023U	<0.00026U	<0.00018U	-
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	<0.00037U	<0.00031U	-	<0.0003U	<0.0003U	-	<0.00031U	<0.00033U	-	<0.00031U	<0.00032U	-	<0.00036U	<0.00043U	0.057	<0.00034U	-
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	<0.00052U	<0.00044U	-	<0.00042U	<0.00042U	-	<0.00044U	<0.00045U	-	<0.00044U	<0.00044U	-	<0.00051U	<0.0006U	<0.00067U	<0.00047U	-
	n-butylbenzene	mg/kg	0.00021		12	<0.0003U	<0.00025U	-	<0.00024U	<0.00024U	-	<0.00025U	<0.00026U	-	<0.00025U	<0.00025U	-	<0.00029U	<0.00035U	<0.00038U	<0.00027U	-
	n-propylbenzene	mg/kg	0.00013		3.9	<0.00018U	<0.00015U	-	<0.00014U	<0.00014U	-	<0.00015U	<0.00016U	-	<0.00015U	<0.00015U	-	<0.00017U	<0.00021U	<0.00023U	<0.00016U	-
	sec-butylbenzene	mg/kg	0.00021		11	<0.00029U	<0.00025U	-	<0.00024U	<0.00024U	-	<0.00025U	<0.00026U	-	<0.00025U	<0.00025U	-	<0.00029U	<0.00034U	<0.00038U	<0.00026U	-
	tert-butylbenzene	mg/kg	0.0002		5.9	<0.00028U	<0.00024U	-	<0.00023U	<0.00023U	-	<0.00024U	<0.00024U	-	<0.00024U	<0.00024U	-	<0.00027U	<0.00032U	<0.00036U	<0.00025U	-
	Tetrachloroethene	mg/kg	0.00022	14	1.3	<0.00031U	0.00039J	-	0.00064J	0.00062J	-	<0.00026U	<0.00027U	-	<0.00026U	<0.00026U	-	<0.0003U	0.00063J	<0.0004U	<0.00028U	-
	Toluene	mg/kg	0.00017		0.7	<0.00024U	<0.0002U	-	<0.00019U	<0.00019U	-	<0.0002U	<0.00021U	-	<0.0002U	<0.0002U	-	<0.00023U	<0.00027U	<0.00031U	<0.00021U	-
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	<0.00025U	<0.00021U	-	<0.0002U	<0.0002U	-	<0.00021U	<0.00022U	-	<0.00021U	<0.00021U	-	<0.00024U	<0.00029U	<0.00032U	<0.00022U	-
	Trichloroethene	mg/kg	0.00026	10	0.47	<0.00033U	0.00037J	-	0.00044J	0.00063J	-	0.00041J	0.00057J	-	0.00092	0.00044J	-	0.0017	0.0055	0.0015	0.0019	-
	Vinyl chloride	mg/kg	0.0004	4	0.02	<0.00055U	<0.00047U	-	<0.00045U	<0.00045U	-	<0.00047U	<0.00048U	-	<0.00047U	<0.00047U	-	<0.00054U	<0.00064U	<0.00071U	<0.0005U	-
	Xylene Total	mg/kg	0.00046		1.6	<0.00065U	<0.00055U	-	<0.00053U	<0.00053U	-	<0.00055U	<0.00057U	-	<0.00055U	<0.00056U	-	<0.00064U	<0.00075U	<0.00084U	<0.00059U	-

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A10C	SSHS-IRM5A2-A2-A11A	SSHS-IRM5A2-A2-A11B	SSHS-IRM5A2-A2-A11C	SSHS-IRM5A2-A2-A12A	SSHS-IRM5A2-A2-A12B	SSHS-IRM5A2-A2-A12C	SSHS-IRM5A2-A2-A13A	SSHS-IRM5A2-A2-A13B	SSHS-IRM5A2-A2-A13C	SSHS-IRM5A2-A2-A14A	SSHS-IRM5A2-A2-A14B	SSHS-IRM5A2-A2-A14C	SSHS-IRM5A2-A2-A17A	SSHS-IRM5A2-A2-A17B	SSHS-IRM5A2-A2-A17C
					Sample Name	SSHS-IRM5A2-DUP7C	SSHS-IRM5A2-A2-A11A	SSHS-IRM5A2-A2-A11B	SSHS-IRM5A2-A2-A11C	SSHS-IRM5A2-A2-A12A	SSHS-IRM5A2-A2-A12B	SSHS-IRM5A2-A2-A12C	SSHS-IRM5A2-A2-A13A	SSHS-IRM5A2-A2-A13B	SSHS-IRM5A2-A2-A13C	SSHS-IRM5A2-A2-A14A	SSHS-IRM5A2-A2-A14B	SSHS-IRM5A2-A2-A14C	SSHS-IRM5A2-A2-A17A	SSHS-IRM5A2-A2-A17B	SSHS-IRM5A2-A2-A17C
					Sample Date	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021
					Lab Report	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130057-1	180-130057-1	180-130057-2	180-130057-1	180-130057-1	180-130057-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PCBs	Arochlor 1016	mg/kg	0.0055			<0.006U	-	-	<0.0058U	-	-	<0.006U	-	-	<0.0059U	-	-	<0.0062U	-	-	<0.0063U
	Arochlor 1221	mg/kg	0.006			<0.0065U	-	-	<0.0063U	-	-	<0.0066U	-	-	<0.0065U	-	-	<0.0067U	-	-	<0.0069U
	Arochlor 1232	mg/kg	0.0041			<0.0045U	-	-	<0.0044U	-	-	<0.0045U	-	-	<0.0044U	-	-	<0.0046U	-	-	<0.0047U
	Arochlor 1242	mg/kg	0.0025			<0.0027U	-	-	<0.0026U	-	-	<0.0027U	-	-	<0.0027U	-	-	<0.0028U	-	-	<0.0028U
	Arochlor 1248	mg/kg	0.0043			5.5	-	-	1.2	-	-	0.17	-	-	0.12	-	-	<0.0045U	-	-	0.34
	Arochlor 1254	mg/kg	0.0056			2.4	-	-	0.72	-	-	0.15	-	-	0.11	-	-	0.079	-	-	0.17
	Arochlor 1260	mg/kg	0.0048			<0.0053U	-	-	<0.0051U	-	-	<0.0053U	-	-	<0.0052U	-	-	<0.0054U	-	-	0.08
	Arochlor 1262	mg/kg	0.0059			<0.0065U	-	-	<0.0063U	-	-	<0.0065U	-	-	<0.0064U	-	-	<0.0067U	-	-	<0.0068U
	Arochlor 1268	mg/kg	0.0023			<0.0025U	-	-	<0.0024U	-	-	<0.0025U	-	-	<0.0025U	-	-	<0.0025U	-	-	<0.0026U
	Arochlor-unspecified	mg/kg			1	7.917	-	-	1.936	-	-	0.3371	-	-	0.2468	-	-	0.0987	-	-	0.6051
Inorganics	Arsenic	mg/kg	0.62	100	16	7.6	-	-	7.9	-	-	5.8	-	-	6.5	-	-	7.7	-	-	8.5
	Barium	mg/kg	12	2000	400	70	-	-	61	-	-	58	-	-	52	-	-	62	-	-	1400
	Beryllium	mg/kg	0.25		47	0.45	-	-	0.52	-	-	0.42	-	-	0.36	-	-	0.43	-	-	0.43
	Cadmium	mg/kg	0.073	20	4.3	0.12J	-	-	0.11J	-	-	0.05J	-	-	0.051J	-	-	0.11J	-	-	0.23J
	Chromium (hexavalent)	mg/kg	0.22		19	<0.24U	-	-	<0.23U	-	-	<0.24U	-	-	<0.23U	-	-	<0.24U	-	-	0.43J
	Chromium (III+VI)	mg/kg	0.31	100	19	13	-	-	12	-	-	11	-	-	12	-	-	12	-	-	19
	Copper	mg/kg	1.5		270	100	-	-	63	-	-	33	-	-	25	-	-	27	-	-	72
	Cyanide Total	mg/kg	0.18		27	0.25J	-	-	0.6	-	-	<0.24U	-	-	0.79	-	-	<0.28U	-	-	0.91
	Lead	mg/kg	0.62	100	400	34	-	-	25	-	-	14	-	-	110	-	-	25	-	-	540
	Manganese	mg/kg	0.93		2000	340	-	-	580	-	-	450	-	-	420	-	-	620	-	-	390
	Mercury	mg/kg	0.013	4	0.73	0.094	-	-	0.052	-	-	0.032	-	-	0.022J	-	-	0.066	-	-	0.17
	Nickel	mg/kg	2.5		130	21	-	-	24	-	-	22	-	-	25	-	-	20	-	-	26
	Selenium	mg/kg	0.29	20	4	<0.55U	-	-	0.64J	-	-	<0.46U	-	-	0.39J	-	-	0.56J	-	-	0.61J
	Silver	mg/kg	0.064	100	8.3	<0.11U	-	-	<0.092U	-	-	<0.094U	-	-	<0.08U	-	-	<0.093U	-	-	<0.076U
	Zinc	mg/kg	1.2		2480	110	-	-	89	-	-	63	-	-	57	-	-	67	-	-	410
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.011U	<0.04U	<0.009U	<0.023U	<0.0086U	<0.0081U	<0.011U	<0.0076U	<0.0084U	<0.011U	<0.0087U	<0.0078U	<0.012U	<0.0093U	<0.0086U	<0.06U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		<0.013U	-	-	<0.025U	-	-	<0.013U	-	-	<0.012U	-	-	<0.013U	-	-	<0.067U
	2,4,6-trichlorophenol	mg/kg	0.011	40		<0.012U	-	-	<0.024U	-	-	<0.012U	-	-	<0.012U	-	-	<0.012U	-	-	<0.064U
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		<0.022U	-	-	<0.043U	-	-	<0.022U	-	-	<0.021U	-	-	<0.022U	-	-	<0.12U
	2-methylphenol	mg/kg	0.0097	4000	0.33	<0.011U	-	-	<0.021U	-	-	<0.01U	-	-	<0.01U	-	-	<0.011U	-	-	<0.055U
	4-methylphenol	mg/kg	0.01	4000	0.33	0.033J	-	-	<0.021U	-	-	0.045	-	-	0.017J	-	-	<0.011U	-	-	<0.057U
	Acenaphthene	mg/kg	0.002		98	0.061	-	-	0.34	-	-	0.45	-	-	0.0061J	-	-	0.026	-	-	0.019J
	Acenaphthylene	mg/kg	0.0015		100	0.13	-	-	0.1	-	-	0.044	-	-	0.026	-	-	0.29	-	-	0.46
	Anthracene	mg/kg	0.0018		100	0.21	-	-	0.86	-	-	0.97	-	-	0.027	-	-	0.53F1	-	-	0.37
	Benz(a)anthracene	mg/kg	0.0031		1	0.54	-	-	1.8	-	-	1.3	-	-	0.071	-	-	0.92F1	-	-	0.5
	Benzo(a) pyrene	mg/kg	0.003		1	0.44	-	-	1.3	-	-	0.85	-	-	0.06	-	-	0.64F1	-	-	0.49
	Benzo(b)fluoranthene	mg/kg	0.0017		1	0.55	-	-	1.6	-	-	1	-	-	0.083	-	-	0.87F1	-	-	0.74
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	0.37	-	-	0.94	-	-	0.55	-	-	0.057	-	-	0.59F1	-	-	0.71
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	0.22	-	-	0.67	-	-	0.44	-	-	0.028	-	-	0.27F1	-	-	0.23
	Chrysene	mg/kg	0.0039		1	0.55	-	-	1.6	-	-	1.1	-	-	0.081	-	-	0.76F1	-	-	0.54
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	0.12	-	-	0.29	-	-	0.2	-	-	0.017	-	-	0.16	-	-	0.17
	Dibenzofuran	mg/kg	0.013		59	0.037	-	-	0.19	-	-	0.35	-	-	<0.013U	-	-	0.052	-	-	<0.071U
	Fluoranthene	mg/kg	0.0018		100	0.83	-	-	3.1E	-	-	2.3E	-	-	0.12	-	-	1.7E,F1	-	-	0.78
	Fluorene	mg/kg	0.0013		100	0.06	-	-	0.33	-	-	0.52	-	-	0.0068J	-	-	0.084	-	-	0.046
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	<0.0026U	-	-	<0.0052U	-	-	<0.0026U	-	-	<0.0026U	-	-	<0.0027U	-	-	<0.014U
	Hexachlorobutadiene	mg/kg	0.002	10		<0.0021U	-	-	<0.0042U	-	-	<0.0021U	-	-	<0.0021U	-	-	<0.0022U	-	-	<0.011U
	Hexachloroethane	mg/kg	0.012	60		<0.013U	-	-	<0.026U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	<0.068U
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	0.35	-	-	0.9	-	-	0.56	-	-	0.05	-	-	0.58F1	-	-	0.6
	Naphthalene	mg/kg	0.0013		12	0.062	-	-	0.13	-	-	0.37	-	-	0.011	-	-	0.094	-	-	0.12
	Nitrobenzene	mg/kg	0.012	40		<0.013U	-	-	<0.027U	-	-	<0.013U	-	-	<0.013U	-	-	<0.014U	-	-	<0.071U
	Pentachlorophenol	mg/kg	0.055	2000	0.8	<0.059U	-	-	<0.12U	-	-	<0.059U	-	-	<0.058U	-	-	<0.06U	-	-	<0.31U
	Phenanthrene	mg/kg	0.0019		100	0.54	-	-	2.7	-	-	2.8E	-	-	0.068	-	-	0.97F1	-	-	0.3
	Phenol	mg/kg	0.01		0.33	<0.011U	-	-	<0.022U	-	-	<0.011U	-	-	<0.011U	-	-	<0.011U	-	-	<0.058U
	Pyrene	mg/kg	0.0017		100	0.77	-	-	2.8	-	-	1.9E	-	-	0.12	-	-	1.4F1	-	-	0.77
	Pyridine	mg/kg	0.018	100		<0.02U	-	-	<0.039U	-	-	<0.02U	-	-	<0.019U	-	-	<0.02U,F1	-	-	<0.1U
	PAHs (Sum of total)	mg/kg			5.742	-	-	19.12	-	-	14.9	-	-	0.8258	-	-	9.858	-	-	6.826
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	-	<0.001U	<0.00023U	-	<0.00022U	<0.00021U	-	<0.00019U	<0.00021U	-	<0.00022U	<0.0002U	-	<0.00024U	<0.00022U	-
	1,1-dichloroethane	mg/kg	0.00015		0.27	-	<0.00089U	<0.0002U	-	<0.00019U	<0.00018U	-	<0.00017U	<0.00019U	-	<0.00019U	<0.00018U	-	<0.00021U	<0.00019U	-
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	-	<0.00097U	<0.00022U	-	<0.00021U	<0.0002U	-	<0.00019U	<0.00021U	-	<0.00021U	<0.00019U	-	<0.00023U	<0.00021U	-
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	-	<0.0011U	<0.00024U	-	<0.00023U	<0.00022U	-	<0.0002U	<0.00023U	-	<0.00023U	<0.00021U	-	<0.00025U	<0.00023U	-
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	-	<0.0016U	<0.00036U	-	<0.00034U	<0.00032U	-	<0.0003U	<0.00033U	-	<0.00034U	<0.00031U	-	<0.00037U	<0.00034U	-
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	-	<0.0013U	<0.00029U	-	<0.00028U	<0.00026U	-	<0.00025U	<0.00027U	-	<0.00028U	<0.00025U	-	<0.0003U	<0.00028U	-
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	-	<0.0014U	<0.00031U	-	<0.00029U	<0.00028U	-	<0.00026U	<0.00029U	-	<0.0003U	<0.00027U	-	<0.00032U	<0.0003U	-
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	-	<0.0016U	<0.00036U	-	<0.00034U	<0.00032U	-	<0.0003U	<0.00033U	-	<0.00035U	<0.00031U	-	<0.00037U	<0.00034U	-
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	-	<0.00097U	<0.00022U	-	<0.00021U	<0.0002U	-	<0.00019U	<0.00021U	-	<0.00021U	<0.00019U	-	<0.00023U	<0.00021U	-
	Acetone	mg/kg	0.0034		0.05	-	<0.025U	<0.0056U	-	0.3	<0.005U	-	0.0087	<0.0052U	-	<0.0054U	<0.0049U	-	<0.0058U	<0.0054U	-
	Benzene	mg/kg	0.00019	10	0.06	-	<0.0011U	<0.00025U	-	<0.00024U	<0.00023U	-	<0.00021U	<0.00024U	-	<0.00024U	<0.00022U	-	<0.00026U	<0.00024U	-
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	-	<0.0017U	<0.00038U	-	<0.00036U	<0.00034U	-	<0.00032U	<0.00035U	-	<0.00037U	<0.00033U	-	<0.00039U	<0.00036U	-
	Chlorobenzene	mg/kg	0.00013	2000	1.1	-	<0.00076U	<0.00017U	-	<0.00017U	<0.00016U	-	<0.00015U	<0.00016U	-	<0.00017U	<0.00015U	-	<0.00018U	<0.00017U	-
	Chloroform	mg/kg	0.00062	120	0.37	-	<0.0042U	<0.00096U	-	<0.00091U	<0.00085U	-	<0.00081U	<0.00089U	-	<0.00092U	<0.00083U	-	<0.00099U	<0.00091U	-
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	-	<0.0015U	<0.00035U	-	<0.00034U	<0.00032U	-	<0.0003U	<0.00033U	-	<0.00034U	<0.0003U	-	<0.00036U	<0.00034U	-
	Dichloromethane	mg/kg	0.00083		0.05	-	<0.0049U	<0.0011U	-	<0.0011U	<0.0011U	-	<0.00095U	<0.001U	-	<0.0011U	<0.00097U	-	<0.0012U	<0.0011U	-
	Ethylbenzene	mg/kg	0.00014		1	-	<0.00086U	<0.0002U	-	<0.00019U	<0.00018U	-	<0.00017U	<0.00018U	-	<0.00019U	<0.00017U	-	<0.0002U	<0.00019U	-
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	-	<0.0016U	<0.00036U	-	0.12	<0.00032U	-	<0.00031U	<0.00034U	-	<0.00035U	<0.00031U	-	<0.00037U	<0.00035U	-
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	-	<0.0022U	<0.0005U	-	<0.00048U	<0.00045U	-	<0.00043U	<0.00047U	-	<0.00048U	<0.00044U	-	<0.00052U	<0.00048U	-
	n-butylbenzene	mg/kg	0.00021		12	-	<0.0013U	<0.00029U	-	<0.00028U	<0.00026U	-	<0.00024U	<0.00027U	-	<0.00028U	<0.00025U	-	<0.0003U	<0.00028U	-
	n-propylbenzene	mg/kg	0.00013		3.9	-	<0.00076U	<0.00017U	-	<0.00016U	<0.00015U	-	<0.00015U	<0.00016U	-	<0.00017U	<0.00015U	-	<0.00018U	<0.00016U	-
	sec-butylbenzene	mg/kg	0.00021		11	-	<0.0012U	<0.00028U	-	<0.00027U	<0.00025U	-	<0.00024U	<0.00026U	-	<0.00027U	<0.00024U	-	<0.00029U	<0.00027U	-
	tert-butylbenzene	mg/kg	0.0002		5.9	-	<0.0012U	<0.00027U	-	<0.00026U	<0.00024U	-	<0.00023U	<0.00025U	-	<0.00026U	<0.00023U	-	<0.00028U	<0.00026U	-
	Tetrachloroethene	mg/kg	0.00022	14	1.3	-	0.0016J	<0.0003U	-	<0.00029U	0.0012	-	0.00096	0.00091J	-	<0.00029U	<0.00026U	-	<0.00031U	0.00052J	-
	Toluene	mg/kg	0.00017		0.7	-	<0.001U	<0.00023U	-	<0.00022U	<0.00021U	-	<0.00019U	<0.00021U	-	<0.00022U	<0.0002U	-	<0.00024U	<0.00022U	-
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	-	<0.0011U	<0.00024U	-	<0.00023U	<0.00022U	-	<0.0002U	<0.00023U	-	<0.00023U	<0.00021U	-	<0.00025U	<0.00023U	-
	Trichloroethene	mg/kg	0.00026	10	0.47	-	0.0053	0.00073J	-	0.00086J	0.001	-	0.00085	0.0034	-	0.00056J	<0.00027U	-	<0.00033U	<0.0003U	-
	Vinyl chloride	mg/kg	0.0004	4	0.02	-	<0.0024U	<0.00054U	-	<0.00051U	<0.00048U	-	<0.00045U	<0.0005U	-	<0.00052U	<0.00046U	-	<0.00055U	<0.00051U	-
	Xylene Total	mg/kg	0.00046		1.6	-	<0.0028U	<0.00063U	-	<0.0006U	<0.00057U	-	<0.00053U	<0.00059U	-	<0.00061U	<0.00055U	-	<0.00065U	<0.0006U	-

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A18A	SSHS-IRM5A2-A2-A18B	SSHS-IRM5A2-A2-A18C	SSHS-IRM5A2-A2-A20A	SSHS-IRM5A2-A2-A20B	SSHS-IRM5A2-A2-A20C	SSHS-IRM5A2-A2-A22A	SSHS-IRM5A2-A2-A22B	SSHS-IRM5A2-A2-A22C	SSHS-IRM5A2-A2-A24A	SSHS-IRM5A2-A2-A24B	SSHS-IRM5A2-A2-A24C	SSHS-IRM5A2-A2-A25A	SSHS-IRM5A2-A2-A25B	SSHS-IRM5A2-A2-A25C	SSHS-IRM5A2-A2-A26A
					Sample Name	SSHS-IRM5A2-A2-A18A	SSHS-IRM5A2-A2-A18B	SSHS-IRM5A2-A2-A18C	SSHS-IRM5A2-A2-A20A	SSHS-IRM5A2-A2-A20B	SSHS-IRM5A2-A2-A20C	SSHS-IRM5A2-A2-A22A	SSHS-IRM5A2-A2-A22B	SSHS-IRM5A2-A2-A22C	SSHS-IRM5A2-A2-A24A	SSHS-IRM5A2-A2-A24B	SSHS-IRM5A2-A2-A24C	SSHS-IRM5A2-A2-A25A	SSHS-IRM5A2-A2-A25B	SSHS-IRM5A2-A2-A25C	SSHS-IRM5A2-A2-A26A
					Sample Date	11/16/2021	11/16/2021	11/16/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021
					Lab Report	180-130057-1	180-130057-1	180-130057-2	180-130126-1	180-130126-1	180-130126-2	180-130126-1	180-130126-1	180-130126-2	180-130126-1	180-130126-1	180-130126-2	180-130216-1	180-130216-1	180-130216-2	180-130216-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PCBs	Arochlor 1016	mg/kg	0.0055			-	-	<0.0061U	-	-	<0.0061U	-	-	<0.0062U	-	-	<0.0061U	-	-	<0.0063U	-
	Arochlor 1221	mg/kg	0.006			-	-	<0.0066U	-	-	<0.0067U	-	-	<0.0068U	-	-	<0.0066U	-	-	<0.0068U	-
	Arochlor 1232	mg/kg	0.0041			-	-	<0.0046U	-	-	<0.0046U	-	-	<0.0047U	-	-	<0.0045U	-	-	<0.0047U	-
	Arochlor 1242	mg/kg	0.0025			-	-	<0.0027U	-	-	<0.0028U	-	-	<0.0028U	-	-	<0.0027U	-	-	<0.0028U	-
	Arochlor 1248	mg/kg	0.0043			-	-	<0.0045U	-	-	0.34	-	-	3	-	-	<0.0045U	-	-	<0.0046U	-
	Arochlor 1254	mg/kg	0.0056			-	-	0.29	-	-	0.15	-	-	0.87	-	-	0.46	-	-	<0.0058U	-
	Arochlor 1260	mg/kg	0.0048			-	-	<0.0053U	-	-	0.045	-	-	0.13	-	-	<0.0053U	-	-	<0.0055U	-
	Arochlor 1262	mg/kg	0.0059			-	-	<0.0066U	-	-	<0.0066U	-	-	<0.0067U	-	-	<0.0065U	-	-	<0.0068U	-
	Arochlor 1268	mg/kg	0.0023			-	-	<0.0025U	-	-	<0.0025U	-	-	<0.0026U	-	-	<0.0025U	-	-	<0.0026U	-
	Arochlor-unspecified	mg/kg			1	-	-	0.3095	-	-	0.5497	-	-	4.015	-	-	0.4794	-	-	<0.0459	-
Inorganics	Arsenic	mg/kg	0.62	100	16	-	-	7.8	-	-	6F1	-	-	5.6	-	-	4.3	-	-	5.8	-
	Barium	mg/kg	12	2000	400	-	-	210	-	-	97F1	-	-	78	-	-	98	-	-	160	-
	Beryllium	mg/kg	0.25		47	-	-	0.4	-	-	0.38F1	-	-	0.38	-	-	0.29	-	-	0.39	-
	Cadmium	mg/kg	0.073	20	4.3	-	-	0.13J	-	-	0.094J,F1	-	-	0.071J	-	-	0.041J	-	-	0.05J	-
	Chromium (hexavalent)	mg/kg	0.22		19	-	-	<0.24U	-	-	<0.25U	-	-	<0.24U	-	-	<0.25U	-	-	<0.25U	-
	Chromium (III+VI)	mg/kg	0.31	100	19	-	-	13	-	-	12F1	-	-	10	-	-	8.8	-	-	10	-
	Copper	mg/kg	1.5		270	-	-	39	-	-	36F1	-	-	27	-	-	28	-	-	18	-
	Cyanide Total	mg/kg	0.18		27	-	-	0.48	-	-	0.26J	-	-	<0.26U	-	-	<0.3U	-	-	<0.29U	-
	Lead	mg/kg	0.62	100	400	-	-	34	-	-	33F1	-	-	26	-	-	14	-	-	9.8	-
	Manganese	mg/kg	0.93		2000	-	-	360	-	-	340	-	-	320	-	-	230	-	-	390	-
	Mercury	mg/kg	0.013	4	0.73	-	-	0.1	-	-	0.45F1	-	-	0.085	-	-	0.64	-	-	0.029J	-
	Nickel	mg/kg	2.5		130	-	-	20	-	-	20F1	-	-	16	-	-	14	-	-	18	-
	Selenium	mg/kg	0.29	20	4	-	-	0.45J	-	-	0.58J,F1	-	-	0.57J	-	-	<0.34U	-	-	<0.5U	-
	Silver	mg/kg	0.064	100	8.3	-	-	<0.077U	-	-	<0.078U,F1	-	-	<0.096U	-	-	<0.07U	-	-	<0.1U	-
	Zinc	mg/kg	1.2		2480	-	-	110	-	-	75	-	-	57	-	-	44	-	-	56	-
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.012U	<0.011U	<0.012U	<0.0098U	<0.0084U	<0.12U,F1	<0.0092U	<0.009U	<0.058U	<0.013U	<0.013U	<0.023U	<0.0087U	<0.0073U	<0.012U	<0.0073U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		-	-	<0.013U	-	-	<0.13U	-	-	<0.065U	-	-	<0.026U	-	-	<0.014U	-
	2,4,6-trichlorophenol	mg/kg	0.011	40		-	-	<0.013U	-	-	<0.12U,F2	-	-	<0.062U	-	-	<0.025U	-	-	<0.013U	-
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		-	-	<0.023U	-	-	<0.22U	-	-	<0.11U	-	-	<0.044U	-	-	<0.023U	-
	2-methylphenol	mg/kg	0.0097	4000	0.33	-	-	<0.011U	-	-	<0.11U	-	-	<0.054U	-	-	<0.021U	-	-	<0.011U	-
	4-methylphenol	mg/kg	0.01	4000	0.33	-	-	0.017J	-	-	<0.11U	-	-	0.055J	-	-	<0.022U	-	-	<0.012U	-
	Acenaphthene	mg/kg	0.002		98	-	-	0.015	-	-	<0.022U	-	-	0.017J	-	-	0.0047J	-	-	<0.0023U	-
	Acenaphthylene	mg/kg	0.0015		100	-	-	0.26	-	-	0.5	-	-	0.57	-	-	0.22	-	-	<0.0017U	-
	Anthracene	mg/kg	0.0018		100	-	-	0.27	-	-	0.23	-	-	0.3	-	-	0.15	-	-	<0.002U	-
	Benz(a)anthracene	mg/kg	0.0031		1	-	-	0.59	-	-	0.92F1	-	-	1.1	-	-	0.43	-	-	0.009	-
	Benzo(a) pyrene	mg/kg	0.003		1	-	-	0.49	-	-	0.74	-	-	0.88	-	-	0.36	-	-	0.0051J	-
	Benzo(b)fluoranthene	mg/kg	0.0017		1	-	-	0.64	-	-	1.2	-	-	1.3	-	-	0.54	-	-	0.0087	-
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	-	-	0.51	-	-	0.83	-	-	1	-	-	0.48	-	-	0.0047J	-
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	-	-	0.23	-	-	0.34	-	-	0.5	-	-	0.17	-	-	0.0052J	-
	Chrysene	mg/kg	0.0039		1	-	-	0.54	-	-	0.99F1	-	-	1.3	-	-	0.44	-	-	0.0093	-
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	-	-	0.14	-	-	0.24	-	-	0.22	-	-	0.098	-	-	<0.005U	-
	Dibenzofuran	mg/kg	0.013		59	-	-	0.032J	-	-	<0.14U	-	-	<0.069U	-	-	<0.027U	-	-	<0.014U	-
	Fluoranthene	mg/kg	0.0018		100	-	-	1	-	-	1F1	-	-	1.3	-	-	0.53	-	-	0.009	-
	Fluorene	mg/kg	0.0013		100	-	-	0.04	-	-	0.041J	-	-	0.052	-	-	0.021	-	-	<0.0015U	-
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	-	-	<0.0027U	-	-	<0.027U	-	-	<0.013U	-	-	<0.0053U	-	-	<0.0028U	-
	Hexachlorobutadiene	mg/kg	0.002	10		-	-	<0.0022U	-	-	<0.022U	-	-	<0.011U	-	-	<0.0044U	-	-	<0.0023U	-
	Hexachloroethane	mg/kg	0.012	60		-	-	<0.013U	-	-	<0.13U	-	-	<0.066U	-	-	<0.026U	-	-	<0.014U	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	-	-	0.5	-	-	0.69F1	-	-	0.91	-	-	0.37	-	-	0.0044J	-
	Naphthalene	mg/kg	0.0013		12	-	-	0.099	-	-	0.075	-	-	0.094	-	-	0.056	-	-	<0.0015U	-
	Nitrobenzene	mg/kg	0.012	40		-	-	<0.014U	-	-	<0.14U	-	-	<0.069U	-	-	<0.027U	-	-	<0.014U	-
	Pentachlorophenol	mg/kg	0.055	2000	0.8	-	-	<0.061U	-	-	<0.6U	-	-	<0.3U	-	-	<0.12U	-	-	<0.063U	-
	Phenanthrene	mg/kg	0.0019		100	-	-	0.44	-	-	0.34F1	-	-	0.44	-	-	0.21	-	-	0.0076J	-
	Phenol	mg/kg	0.01		0.33	-	-	<0.011U	-	-	<0.11U	-	-	<0.057U	-	-	<0.023U	-	-	<0.012U	-
	Pyrene	mg/kg	0.0017		100	-	-	0.86	-	-	1.2	-	-	1.6	-	-	0.57	-	-	0.012	-
	Pyridine	mg/kg	0.018	100		-	-	<0.02U	-	-	<0.2U,F1	-	-	<0.1U	-	-	<0.04U	-	-	<0.021U	-
	PAHs (Sum of total)	mg/kg				-	-	6.609	-	-	9.336	-	-	11.57	-	-	4.645	-	-	0.08085	-
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	<0.0003U	<0.00028U	-	<0.00025U	<0.00021U,F1	-	0.00047J	0.00027J	-	<0.00034U	0.00044J	-	<0.00022U	<0.00019U	-	<0.00019U
	1,1-dichloroethane	mg/kg	0.00015		0.27	<0.00026U	<0.00025U	-	<0.00022U	<0.00019U,F1	-	<0.00021U	<0.0002U	-	<0.0003U	<0.00028U	-	<0.0002U	<0.00016U	-	<0.00016U
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	<0.00028U	<0.00027U	-	<0.00024U	<0.0002U,F1	-	<0.00022U	<0.00022U	-	<0.00033U	<0.00031U	-	<0.00021U	<0.00018U	-	<0.00018U
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	<0.00031U	<0.00029U	-	<0.00026U,F1	<0.00022U,F1	-	<0.00025U	<0.00024U	-	<0.00036U	<0.00034U	-	<0.00023U	<0.0002U	-	<0.0002U
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	<0.00046U	<0.00043U	-	<0.00038U,F1	<0.00033U,F1	-	<0.00036U	<0.00035U	-	<0.00053U	<0.00049U	-	<0.00034U	<0.00029U	-	<0.00029U
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	<0.00037U	<0.00035U	-	<0.00031U	<0.00027U,F1	-	<0.0003U	<0.00029U	-	<0.00043U	<0.0004U	-	<0.00028U	<0.00024U	-	<0.00024U
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	<0.0004U	<0.00038U	-	<0.00033U,F1	<0.00029U,F1	-	<0.00031U	<0.00031U	-	<0.00046U	<0.00043U	-	<0.0003U	<0.00025U	-	<0.00025U
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	<0.00046U	<0.00044U	-	<0.00039U,F1	<0.00033U,F1	-	<0.00036U	<0.00036U	-	<0.00053U	<0.0005U	-	<0.00035U	<0.00029U	-	<0.00029U
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	<0.00028U	<0.00027U	-	<0.00024U,F1	<0.0002U,F1	-	<0.00022U	<0.00022U	-	<0.00033U	<0.00031U	-	<0.00021U	<0.00018U	-	<0.00018U
	Acetone	mg/kg	0.0034		0.05	<0.0072U	<0.0069U	-	0.048	0.017	-	0.019	0.0081	-	<0.0084U	0.042	-	<0.0054U	<0.0046U	-	<0.0046U
	Benzene	mg/kg	0.00019	10	0.06	<0.00033U	<0.00031U	-	<0.00027U	<0.00023U,F1	-	<0.00026U	<0.00025U	-	<0.00038U	<0.00035U	-	<0.00025U	<0.00021U	-	<0.00021U
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	<0.00049U	<0.00046U	-	<0.00041U	<0.00035U,F1	-	<0.00039U	<0.00038U	-	<0.00057U	<0.00053U	-	<0.00037U	<0.00031U	-	<0.00031U
	Chlorobenzene	mg/kg	0.00013	2000	1.1	<0.00022U	<0.00021U	-	<0.00019U,F1	<0.00016U,F1	-	<0.00018U	<0.00017U	-	<0.00026U	<0.00024U	-	<0.00017U	<0.00014U	-	<0.00014U
	Chloroform	mg/kg	0.00062	120	0.37	<0.0012U	<0.0012U	-	<0.001U	<0.00088U,F1	-	<0.00097U	<0.00095U	-	<0.0014U	<0.0013U	-	<0.00092U	<0.00077U	-	<0.00077U
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	<0.00045U	<0.00043U	-	<0.00038U,F1	0.00038J,F1	-	<0.00036U	0.00044J	-	<0.00052U	0.0052	-	<0.00034U	<0.00029U	-	<0.00029U
	Dichloromethane	mg/kg	0.00083		0.05	<0.0014U	<0.0014U	-	<0.0012U	<0.001U,F1	-	<0.0011U	<0.0011U	-	<0.0017U	<0.0016U	-	<0.0011U	<0.00091U	-	<0.00091U
	Ethylbenzene	mg/kg	0.00014		1	<0.00025U	<0.00024U	-	0.00021J,F1	<0.00018U,F1	-	0.00039J	<0.0002U	-	<0.00029U	<0.00027U	-	<0.00019U	<0.00016U	-	<0.00016U
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	<0.00047U	<0.00044U	-	<0.00039U,F1	0.00371J,F1	-	<0.00037U	<0.00036U	-	<0.00054U	<0.0005U	-	<0.00035U	<0.00029U	-	<0.00029U
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	<0.00065U	<0.00061U	-	<0.00054U	<0.00047U,F1	-	<0.00051U	<0.0005U	-	<0.00075U	<0.0007U	-	<0.00049U	<0.00041U	-	<0.00041U
	n-butylbenzene	mg/kg	0.00021		12	<0.00037U	<0.00035U	-	<0.00031U,F1	<0.00027U,F1	-	<0.00029U	<0.00029U	-	<0.00043U	<0.0004U	-	<0.00028U	<0.00023U	-	<0.00023U
	n-propylbenzene	mg/kg	0.00013		3.9	<0.00022U	<0.00021U	-	<0.00019U,F1	<0.00016U,F1	-	<0.00017U	<0.00017U	-	<0.00026U	<0.00024U	-	<0.00017U	<0.00014U	-	<0.00014U
	sec-butylbenzene	mg/kg	0.00021		11	<0.00036U	<0.00035U	-	<0.00031U,F1	<0.00026U,F1	-	<0.00029U	<0.00028U	-	<0.00042U	<0.00039U	-	<0.00027U	<0.00023U	-	<0.00023U
	tert-butylbenzene	mg/kg	0.0002		5.9	<0.00035U	<0.00033U	-	<0.00029U,F1	<0.00025U,F1	-	<0.00028U	<0.00027U	-	<0.0004U	<0.00038U	-	<0.00026U	<0.00022U	-	<0.00022U
	Tetrachloroethene	mg/kg	0.00022	14	1.3	<0.00039U	<0.00037U	-	0.00093J,F1	0.0019F1	-	0.0031	0.0026	-	<0.00045U	0.0026	-	0.00064J	0.00057J	-	0.00067J
	Toluene	mg/kg	0.00017		0.7	<0.0003U	<0.00028U	-	0.0038F1	0.001F1	-	0.0032	0.0011	-	<0.00034U	0.00084J	-	<0.00022U	<0.00019U	-	<0.00019U
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	<0.00031U	<0.00029U	-	<0.00026U,F1	<0.00022U,F1	-	<0.00025U	<0.00024U	-	<0.00036U	<0.00034U	-	<0.00023U	<0.0002U	-	<0.0002U
	Trichloroethene	mg/kg	0.00026	10	0.47	<0.00041U	<0.00038U	-	0.0019F2,F1	0.0062F2,F1	-	0.0063	0.0062	-	0.0019	0.0092	-	0.00041J	0.00033J	-	0.0018
	Vinyl chloride	mg/kg	0.0004	4	0.02	<0.00069U	<0.00065U	-	<0.00058U	<0.0005U	-	<0.00055U	<0.00054U	-	<0.0008U	<0.00075U	-	<0.00052U	<0.00044U	-	<0.00043U
	Xylene Total	mg/kg	0.00046		1.6	<0.00081U	<0.00077U	-	<0.00068U,F1	<0.00058U,F1	-	<0.00064U	<0.00063U	-	<0.00094U	<0.00088U	-	<0.00061U	<0.00051U	-	<0.00051U

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A26B	SSHS-IRM5A2-A2-A26C	SSHS-IRM5A2-A2-A27A	SSHS-IRM5A2-A2-A27B	SSHS-IRM5A2-A2-A27C	SSHS-IRM5A2-A2-A61A	SSHS-IRM5A2-A2-A61B	SSHS-IRM5A2-A2-A61C	SSHS-IRM5A2-A2-A62A	SSHS-IRM5A2-A2-A62B	SSHS-IRM5A2-A2-A62C	SSHS-IRM5A2-A2-A63A	SSHS-IRM5A2-A2-A63B	SSHS-IRM5A2-A2-A63C	SSHS-IRM5A2-A2-A64A	SSHS-IRM5A2-A2-A64B
					Sample Name	SSHS-IRM5A2-A2-A26B	SSHS-IRM5A2-A2-A26C	SSHS-IRM5A2-A2-A27A	SSHS-IRM5A2-A2-A27B	SSHS-IRM5A2-A2-A27C	SSHS-IRM5A2-A2-A61A	SSHS-IRM5A2-A2-A61B	SSHS-IRM5A2-A2-A61C	SSHS-IRM5A2-A2-A62A	SSHS-IRM5A2-A2-A62B	SSHS-IRM5A2-A2-A62C	SSHS-IRM5A2-A2-A63A	SSHS-IRM5A2-A2-A63B	SSHS-IRM5A2-A2-A63C	SSHS-IRM5A2-A2-A64A	SSHS-IRM5A2-A2-A64B
					Sample Date	11/18/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
					Lab Report	180-130216-1	180-130216-2	180-130216-1	180-130216-1	180-130216-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PCBs	Arochlor 1016	mg/kg	0.0055			-	<0.0061U	-	-	<0.0061U	-	-	<0.0061U	-	-	<0.0078U	-	-	<0.0059U	-	-
	Arochlor 1221	mg/kg	0.006			-	<0.0066U	-	-	<0.0066U	-	-	<0.0066U	-	-	<0.0085U	-	-	<0.0064U	-	-
	Arochlor 1232	mg/kg	0.0041			-	<0.0046U	-	-	<0.0046U	-	-	<0.0046U	-	-	<0.0059U	-	-	<0.0044U	-	-
	Arochlor 1242	mg/kg	0.0025			-	<0.0027U	-	-	<0.0027U	-	-	<0.0027U	-	-	<0.0035U	-	-	<0.0027U	-	-
	Arochlor 1248	mg/kg	0.0043			-	0.016J	-	-	<0.0045U	-	-	3.9	-	-	1.2	-	-	1.7	-	-
	Arochlor 1254	mg/kg	0.0056			-	0.025	-	-	0.085	-	-	1.1	-	-	0.34	-	-	0.48	-	-
	Arochlor 1260	mg/kg	0.0048			-	0.025	-	-	0.085	-	-	0.06	-	-	<0.0068U	-	-	0.025	-	-
	Arochlor 1262	mg/kg	0.0059			-	<0.0066U	-	-	<0.0066U	-	-	<0.0066U	-	-	<0.0085U	-	-	<0.0064U	-	-
	Arochlor 1268	mg/kg	0.0023			-	<0.0025U	-	-	<0.0025U	-	-	<0.0025U	-	-	<0.0032U	-	-	<0.0024U	-	-
	Arochlor-unspecified	mg/kg			1	-	0.08055	-	-	0.1868	-	-	5.075	-	-	1.562	-	-	2.219	-	-
Inorganics	Arsenic	mg/kg	0.62	100	16	-	6	-	-	5.6	-	-	6.9	-	-	7.3	-	-	3.8	-	-
	Barium	mg/kg	12	2000	400	-	43	-	-	42	-	-	79	-	-	63	-	-	32	-	-
	Beryllium	mg/kg	0.25		47	-	0.31J	-	-	0.32J	-	-	0.28J	-	-	0.48J	-	-	0.19J	-	-
	Cadmium	mg/kg	0.073	20	4.3	-	0.11J	-	-	0.073J	-	-	0.13J	-	-	<0.1U	-	-	<0.073U	-	-
	Chromium (hexavalent)	mg/kg	0.22		19	-	<0.24U	-	-	<0.24U	-	-	<0.25U	-	-	<0.32U	-	-	<0.23U	-	-
	Chromium (III+VI)	mg/kg	0.31	100	19	-	9	-	-	8.8	-	-	12	-	-	12	-	-	5.4	-	-
	Copper	mg/kg	1.5		270	-	36	-	-	37	-	-	72	-	-	31	-	-	13	-	-
	Cyanide Total	mg/kg	0.18		27	-	<0.24U	-	-	<0.29U	-	-	<0.4U	-	-	<0.45U	-	-	<0.36U	-	-
	Lead	mg/kg	0.62	100	400	-	16	-	-	16	-	-	40	-	-	21	-	-	7.1	-	-
	Manganese	mg/kg	0.93		2000	-	350	-	-	380	-	-	320	-	-	610	-	-	240	-	-
	Mercury	mg/kg	0.013	4	0.73	-	0.074	-	-	0.094	-	-	0.053	-	-	0.066	-	-	<0.021U	-	-
	Nickel	mg/kg	2.5		130	-	18	-	-	15	-	-	18	-	-	19	-	-	10	-	-
	Selenium	mg/kg	0.29	20	4	-	<0.57U	-	-	<0.56U	-	-	0.85	-	-	<0.66U	-	-	0.47J	-	-
	Silver	mg/kg	0.064	100	8.3	-	<0.12U	-	-	<0.11U	-	-	<0.087U	-	-	<0.15U	-	-	<0.1U	-	-
	Zinc	mg/kg	1.2		2480	-	73	-	-	61	-	-	98	-	-	78	-	-	41	-	-
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.0074U	<0.012U	<0.0066U	<0.0077U	<0.12U	<0.038U	<0.043U	<0.012U	<0.036U	<0.037U	<0.015U	<0.039U	<0.037U	<0.011U	<0.035U	<0.04U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		-	<0.013U	-	-	<0.13U	-	-	<0.013U	-	-	<0.017U	-	-	<0.012U	-	-
	2,4,6-trichlorophenol	mg/kg	0.011	40		-	<0.012U	-	-	<0.12U	-	-	<0.013U	-	-	<0.016U	-	-	<0.012U	-	-
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		-	<0.022U	-	-	<0.22U	-	-	<0.023U	-	-	<0.029U	-	-	<0.021U	-	-
	2-methylphenol	mg/kg	0.0097	4000	0.33	-	<0.011U	-	-	<0.11U	-	-	<0.011U	-	-	<0.014U	-	-	<0.01U	-	-
	4-methylphenol	mg/kg	0.01	4000	0.33	-	<0.011U	-	-	<0.11U	-	-	<0.011U	-	-	<0.014U	-	-	<0.01U	-	-
	Acenaphthene	mg/kg	0.002		98	-	<0.0022U	-	-	0.021J	-	-	0.0062J	-	-	<0.0028U	-	-	<0.002U	-	-
	Acenaphthylene	mg/kg	0.0015		100	-	0.033	-	-	1.2	-	-	0.11	-	-	0.035	-	-	<0.0015U	-	-
	Anthracene	mg/kg	0.0018		100	-	0.027	-	-	3.4	-	-	0.078	-	-	0.022	-	-	<0.0018U	-	-
	Benz(a)anthracene	mg/kg	0.0031		1	-	0.13	-	-	7.8	-	-	0.17	-	-	0.049	-	-	<0.0032U	-	-
	Benzo(a) pyrene	mg/kg	0.003		1	-	0.1	-	-	6	-	-	0.2	-	-	0.05	-	-	<0.0031U	-	-
	Benzo(b)fluoranthene	mg/kg	0.0017		1	-	0.14	-	-	7.2	-	-	0.26	-	-	0.07	-	-	<0.0017U	-	-
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	-	0.081	-	-	3.9	-	-	0.2	-	-	0.051	-	-	<0.0015U	-	-
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	-	0.05	-	-	3.4	-	-	0.099	-	-	0.022	-	-	<0.0021U	-	-
	Chrysene	mg/kg	0.0039		1	-	0.13	-	-	8.4	-	-	0.2	-	-	0.058	-	-	<0.0039U	-	-
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	-	0.017	-	-	1.1	-	-	0.051	-	-	0.012	-	-	<0.0045U	-	-
	Dibenzofuran	mg/kg	0.013		59	-	<0.014U	-	-	<0.14U	-	-	0.016J	-	-	<0.018U	-	-	<0.013U	-	-
	Fluoranthene	mg/kg	0.0018		100	-	0.2	-	-	12	-	-	0.27	-	-	0.08	-	-	0.002J	-	-
	Fluorene	mg/kg	0.0013		100	-	0.0066J	-	-	0.1	-	-	0.012	-	-	0.0049J	-	-	<0.0014U	-	-
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	-	<0.0027U	-	-	<0.027U	-	-	<0.0027U	-	-	<0.0034U	-	-	<0.0025U	-	-
	Hexachlorobutadiene	mg/kg	0.002	10		-	<0.0022U	-	-	<0.022U	-	-	<0.0022U	-	-	<0.0028U	-	-	<0.0021U	-	-
	Hexachloroethane	mg/kg	0.012	60		-	<0.013U	-	-	<0.13U	-	-	<0.014U	-	-	<0.017U	-	-	<0.013U	-	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	-	0.075	-	-	3.9	-	-	0.18	-	-	0.043	-	-	<0.0035U	-	-
	Naphthalene	mg/kg	0.0013		12	-	0.035	-	-	0.54	-	-	0.049	-	-	0.009J	-	-	<0.0014U	-	-
	Nitrobenzene	mg/kg	0.012	40		-	<0.014U	-	-	<0.14U	-	-	<0.014U	-	-	<0.017U	-	-	<0.013U	-	-
	Pentachlorophenol	mg/kg	0.055	2000	0.8	-	<0.06U	-	-	<0.6U	-	-	<0.062U	-	-	<0.077U	-	-	<0.057U	-	-
	Phenanthrene	mg/kg	0.0019		100	-	0.07	-	-	2.9	-	-	0.1	-	-	0.043	-	-	<0.0019U	-	-
	Phenol	mg/kg	0.01		0.33	-	<0.011U	-	-	<0.11U	-	-	<0.012U	-	-	<0.014U	-	-	<0.011U	-	-
	Pyrene	mg/kg	0.0017		100	-	0.2	-	-	11	-	-	0.27	-	-	0.082	-	-	<0.0017U	-	-
	Pyridine	mg/kg	0.018	100		-	<0.02U	-	-	<0.2U	-	-	<0.021U	-	-	<0.026U	-	-	<0.019U	-	-
	PAHs (Sum of total)	mg/kg				-	1.295	-	-	72.84	-	-	2.249	-	-	0.6309	-	-	0.0186	-	-
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	<0.00019U	-	<0.00017U	<0.0002U	-	<0.0018U	<0.002U	-	<0.0017U	<0.0017U	-	<0.0018U	<0.0018U	-	<0.0017U	<0.0019U
	1,1-dichloroethane	mg/kg	0.00015		0.27	<0.00017U	-	<0.00015U	<0.00017U	-	<0.0017U	<0.0019U	-	<0.0016U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0016U	<0.0018U
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	<0.00018U	-	<0.00016U	<0.00019U	-	<0.0024U	<0.0027U	-	<0.0023U	<0.0024U	-	<0.0025U	<0.0024U	-	<0.0023U	<0.0025U
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	<0.0002U	-	<0.00018U	<0.00021U	-	<0.0018U	<0.0021U	-	<0.0017U	<0.0018U	-	<0.0019U	<0.0018U	-	<0.0017U	<0.0019U
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	<0.00029U	-	<0.00026U	<0.0003U	-	<0.0018U	<0.002U	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0017U	<0.0019U
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	<0.00024U	-	<0.00021U	<0.00025U	-	<0.0015U	<0.0017U	-	<0.0014U	<0.0015U	-	<0.0016U	<0.0015U	-	<0.0014U	<0.0016U
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	<0.00025U	-	<0.00023U	<0.00026U	-	<0.002U	<0.0023U	-	<0.0019U	<0.0019U	-	<0.002U	<0.002U	-	<0.0019U	<0.0021U
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	<0.0003U	-	<0.00026U	<0.00031U	-	<0.0033U	<0.0037U	-	<0.0031U	<0.0032U	-	<0.0034U	<0.0032U	-	<0.0031U	<0.0035U
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	<0.00018U	-	<0.00016U	<0.00019U	-	<0.0016U	<0.0018U	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0015U	<0.0017U
	Acetone	mg/kg	0.0034		0.05	<0.0046U	-	<0.0041U	<0.0048U	-	<0.0042U	<0.0047U	-	<0.0039U	<0.0041U	-	<0.0043U	<0.0041U	-	<0.0039U	<0.0044U
	Benzene	mg/kg	0.00019	10	0.06	<0.00021U	-	<0.00019U	<0.00022U	-	<0.0015U	<0.0017U	-	<0.0014U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0014U	<0.0016U
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	<0.00031U	-	<0.00028U	<0.00032U	-	<0.0022U	<0.0025U	-	<0.002U	<0.0021U	-	<0.0022U	<0.0021U	-	<0.002U	<0.0023U
	Chlorobenzene	mg/kg	0.00013	2000	1.1	<0.00014U	-	<0.00013U	<0.00015U	-	<0.0014U	<0.0016U	-	<0.0013U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0013U	<0.0015U
	Chloroform	mg/kg	0.00062	120	0.37	<0.00079U	-	<0.0007U	<0.00081U	-	<0.0017U	<0.002U	-	<0.0016U	<0.0017U	-	<0.0018U	<0.0017U	-	<0.0016U	<0.0018U
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	<0.00029U	-	<0.00026U	<0.0003U	-	<0.0016U	<0.0018U	-	<0.0015U	<0.0016U	-	<0.0017U	<0.0016U	-	<0.0015U	<0.0017U
	Dichloromethane	mg/kg	0.00083		0.05	<0.00093U	-	<0.00083U	<0.00096U	-	<0.0048U	<0.0055U	-	<0.0045U	<0.0047U	-	<0.0049U	<0.0047U	-	<0.0045U	<0.0051U
	Ethylbenzene	mg/kg	0.00014		1	<0.00016U	-	<0.00014U	<0.00017U	-	<0.002U	<0.0022U	-	<0.0019U	<0.0019U	-	<0.002U	<0.0019U	-	<0.0018U	<0.0021U
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	<0.0003U	-	<0.00027U	<0.00031U	-	<0.0027U	<0.0031U	-	<0.0026U	<0.0027U	-	<0.0028U	<0.0027U	-	<0.0025U	<0.0029U
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	<0.00042U	-	<0.00037U	<0.00043U	-	<0.0016U	<0.0018U	-	<0.0015U	<0.0015U	-	<0.0016U	<0.0015U	-	<0.0015U	<0.0017U
	n-butylbenzene	mg/kg	0.00021		12	<0.00024U	-	<0.00021U	<0.00025U	-	<0.0026U	<0.003U	-	<0.0025U	<0.0026U	-	<0.0027U	<0.0026U	-	<0.0025U	<0.0028U
	n-propylbenzene	mg/kg	0.00013		3.9	<0.00014U	-	<0.00013U	<0.00015U	-	<0.0019U	<0.0022U	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0019U	-	<0.0018U	<0.002U
	sec-butylbenzene	mg/kg	0.00021		11	<0.00023U	-	<0.00021U	<0.00024U	-	<0.0026U	<0.003U	-	<0.0025U	<0.0026U	-	<0.0027U	<0.0026U	-	<0.0025U	<0.0028U
	tert-butylbenzene	mg/kg	0.0002		5.9	<0.00022U	-	<0.0002U	<0.00023U	-	<0.0022U	<0.0026U	-	<0.0021U	<0.0022U	-	<0.0023U	<0.0022U	-	<0.0021U	<0.0024U
	Tetrachloroethene	mg/kg	0.00022	14	1.3	<0.00025U	-	<0.00022U	<0.00026U	-	<0.0021U,*+	<0.0024U,*+	-	<0.002U,*+	<0.0021U,*+	-	<0.0022U	<0.0021U,*+	-	<0.002U,*+	<0.0023U
	Toluene	mg/kg	0.00017		0.7	<0.00019U	-	<0.00017U	<0.0002U	-	<0.0015U	<0.0017U	-	<0.0014U	<0.0015U	-	<0.0016U	<0.0015U	-	<0.0014U	<0.0016U
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	<0.0002U	-	<0.00018U	<0.00021U	-	<0.0019U	<0.0021U	-	<0.0018U	<0.0018U	-	<0.0019U	<0.0018U	-	<0.0017U	<0.002U
	Trichloroethene	mg/kg	0.00026	10	0.47	0.00028J	-	0.001	0.0016	-	<0.0017U	<0.0019U	-	<0.0016U	<0.0016U	-	<0.0017U	<0.0016U	-	<0.0016U	<0.0018U
	Vinyl chloride	mg/kg	0.0004	4	0.02	<0.00044U	-	<0.0004U	<0.00046U	-	<0.0038U	<0.0044U	-	<0.0036U	<0.0038U	-	<0.0039U	<0.0038U	-	<0.0036U	<0.0041U
	Xylene Total	mg/kg	0.00046		1.6	<0.00052U	-	<0.00046U	<0.00054U	-	<0.0077U	<0.0088U	-	<0.0073U	<0.0075U	-	<0.0079U	<0.0076U	-	<0.0072U	<0.0081U

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A64C	SSHS-IRM5A2-A2-A66A	SSHS-IRM5A2-A2-A66B	SSHS-IRM5A2-A2-A66C	SSHS-IRM5A2-A2-A67A	SSHS-IRM5A2-A2-A67B	SSHS-IRM5A2-A2-A67C	SSHS-IRM5A2-A2-A68A	SSHS-IRM5A2-A2-A68B	SSHS-IRM5A2-A2-A68C	SSHS-IRM5A2-A2-A69A	SSHS-IRM5A2-A2-A69B	SSHS-IRM5A2-A2-A69C	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-A70B
					Sample Name	SSHS-IRM5A2-A2-A64C	SSHS-IRM5A2-A2-A66A	SSHS-IRM5A2-A2-A66B	SSHS-IRM5A2-A2-A66C	SSHS-IRM5A2-A2-A67A	SSHS-IRM5A2-A2-A67B	SSHS-IRM5A2-A2-A67C	SSHS-IRM5A2-A2-A68A	SSHS-IRM5A2-A2-A68B	SSHS-IRM5A2-A2-A68C	SSHS-IRM5A2-A2-A69A	SSHS-IRM5A2-A2-A69B	SSHS-IRM5A2-A2-A69C	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-DUP13A	SSHS-IRM5A2-A2-A70B
					Sample Date	1/18/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/11/2022	2/11/2022	2/11/2022
					Lab Report	180-132484-2	180-133346-1	180-133346-1	180-133346-2	180-133346-1	180-133346-1	180-133346-2	180-133533-1	180-133533-1	180-133533-2	180-133533-1	180-133533-1	180-133533-2	180-133611-1	180-133611-1	180-133611-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**																
PCBs	Arochlor 1016	mg/kg	0.0055			<0.0059U	-	-	<0.0062U	-	-	<0.0057U	-	-	<0.006U	-	-	<0.0064U	-	-	-
	Arochlor 1221	mg/kg	0.006			<0.0064U	-	-	<0.0068U	-	-	<0.0062U	-	-	<0.0066U	-	-	<0.007U	-	-	-
	Arochlor 1232	mg/kg	0.0041			<0.0044U	-	-	<0.0047U	-	-	<0.0042U	-	-	<0.0045U	-	-	<0.0048U	-	-	-
	Arochlor 1242	mg/kg	0.0025			<0.0027U	-	-	<0.0028U	-	-	<0.0026U	-	-	<0.0027U	-	-	<0.0029U	-	-	-
	Arochlor 1248	mg/kg	0.0043			0.59	-	-	0.26	-	-	0.36	-	-	<0.0044U	-	-	0.038	-	-	-
	Arochlor 1254	mg/kg	0.0056			0.17	-	-	0.059	-	-	0.063	-	-	<0.0056U	-	-	0.023	-	-	-
	Arochlor 1260	mg/kg	0.0048			<0.0052U	-	-	<0.0055U	-	-	<0.005U	-	-	<0.0053U	-	-	<0.0056U	-	-	-
	Arochlor 1262	mg/kg	0.0059			<0.0064U	-	-	<0.0067U	-	-	<0.0061U	-	-	<0.0065U	-	-	<0.007U	-	-	-
	Arochlor 1268	mg/kg	0.0023			<0.0024U	-	-	<0.0026U	-	-	<0.0023U	-	-	<0.0025U	-	-	<0.0027U	-	-	-
	Arochlor-unspecified	mg/kg			1	0.7767	-	-	0.3367	-	-	0.4391	-	-	<0.0441	-	-	0.0792	-	-	-
Inorganics	Arsenic	mg/kg	0.62	100	16	3.8	-	-	5	-	-	4	-	-	4.8	-	-	6.1	-	-	-
	Barium	mg/kg	12	2000	400	29	-	-	40	-	-	33	-	-	41	-	-	54	-	-	-
	Beryllium	mg/kg	0.25		47	0.17J	-	-	0.27J	-	-	0.18J	-	-	0.24J	-	-	0.28J	-	-	-
	Cadmium	mg/kg	0.073	20	4.3	0.054J	-	-	<0.074U	-	-	<0.076U	-	-	0.063J	-	-	0.075J	-	-	-
	Chromium (hexavalent)	mg/kg	0.22		19	<0.24U	-	-	<0.25U	-	-	<0.23U	-	-	<0.24U	-	-	<0.25U	-	-	-
	Chromium (III+VI)	mg/kg	0.31	100	19	5	-	-	7.9	-	-	5.8	-	-	6.8	-	-	7.9	-	-	-
	Copper	mg/kg	1.5		270	15	-	-	17	-	-	16	-	-	18	-	-	17	-	-	-
	Cyanide Total	mg/kg	0.18		27	<0.32U	-	-	<0.37U	-	-	<0.32U	-	-	0.23	-	-	<0.18U	-	-	-
	Lead	mg/kg	0.62	100	400	5.7	-	-	7.3	-	-	6	-	-	7.4	-	-	8.1	-	-	-
	Manganese	mg/kg	0.93		2000	240	-	-	230	-	-	270	-	-	390	-	-	570	-	-	-
	Mercury	mg/kg	0.013	4	0.73	<0.018U	-	-	<0.023U	-	-	<0.016U	-	-	<0.013U	-	-	<0.021U	-	-	-
	Nickel	mg/kg	2.5		130	12	-	-	16	-	-	11	-	-	13	-	-	14	-	-	-
	Selenium	mg/kg	0.29	20	4	0.38J	-	-	<0.46U	-	-	<0.48U	-	-	<0.3U	-	-	<0.35U	-	-	-
	Silver	mg/kg	0.064	100	8.3	<0.065U	-	-	<0.1U	-	-	<0.11U	-	-	<0.067U	-	-	<0.079U	-	-	-
	Zinc	mg/kg	1.2		2480	36	-	-	44	-	-	42	-	-	53	-	-	50	-	-	-
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.011U	<0.039U	<0.039U	<0.012U	<0.039U	<0.038U	<0.011U	<0.037U	<0.039U	<0.011U	<0.039U	<0.037U	<0.012U	<0.042U	<0.041U	<0.041U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		<0.013U	-	-	<0.013U	-	-	<0.012U	-	-	<0.013U	-	-	<0.014U	-	-	-
	2,4,6-trichlorophenol	mg/kg	0.011	40		<0.012U	-	-	<0.013U	-	-	<0.012U	-	-	<0.012U	-	-	<0.013U	-	-	-
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		<0.022U	-	-	<0.023U	-	-	<0.021U	-	-	<0.022U	-	-	<0.023U	-	-	-
	2-methylphenol	mg/kg	0.0097	4000	0.33	<0.01U	-	-	<0.011U	-	-	<0.01U	-	-	<0.011U	-	-	<0.011U	-	-	-
	4-methylphenol	mg/kg	0.01	4000	0.33	<0.011U	-	-	<0.011U	-	-	<0.01U	-	-	<0.011U	-	-	<0.011U	-	-	-
	Acenaphthene	mg/kg	0.002		98	<0.0021U	-	-	<0.0022U	-	-	<0.002U	-	-	<0.0021U	-	-	<0.0022U	-	-	-
	Acenaphthylene	mg/kg	0.0015		100	0.0017J	-	-	0.0027J	-	-	<0.0016U	-	-	<0.0016U	-	-	0.011	-	-	-
	Anthracene	mg/kg	0.0018		100	<0.0019U	-	-	0.002J	-	-	<0.0018U	-	-	<0.0019U	-	-	0.0071J	-	-	-
	Benz(a)anthracene	mg/kg	0.0031		1	<0.0033U	-	-	0.0062J	-	-	<0.0032U	-	-	<0.0033U	-	-	0.023	-	-	-
	Benzo(a) pyrene	mg/kg	0.003		1	<0.0032U	-	-	0.0043J	-	-	<0.0031U	-	-	<0.0032U	-	-	0.022	-	-	-
	Benzo(b)fluoranthene	mg/kg	0.0017		1	0.0028J	-	-	0.0064J	-	-	<0.0017U	-	-	0.0018J	-	-	0.03	-	-	-
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	0.0025J	-	-	0.0044J	-	-	<0.0015U	-	-	0.0023J	-	-	0.021	-	-	-
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	<0.0022U	-	-	0.0034J	-	-	<0.0021U	-	-	<0.0022U	-	-	0.0091	-	-	-
	Chrysene	mg/kg	0.0039		1	<0.0041U	-	-	0.0068J	-	-	<0.0039U	-	-	<0.0041U	-	-	0.025	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	<0.0047U	-	-	<0.0049U	-	-	<0.0046U	-	-	<0.0047U	-	-	0.0053J	-	-	-
	Dibenzofuran	mg/kg	0.013		59	<0.013U	-	-	<0.014U	-	-	<0.013U	-	-	<0.014U	-	-	<0.014U	-	-	-
	Fluoranthene	mg/kg	0.0018		100	0.0036J	-	-	0.0094	-	-	<0.0019U	-	-	0.0021J	-	-	0.029	-	-	-
	Fluorene	mg/kg	0.0013		100	<0.0014U	-	-	<0.0015U	-	-	<0.0014U	-	-	<0.0014U	-	-	<0.0015U	-	-	-
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	<0.0026U	-	-	<0.0028U	-	-	<0.0025U	-	-	<0.0026U	-	-	<0.0028U	-	-	-
	Hexachlorobutadiene	mg/kg	0.002	10		<0.0021U	-	-	<0.0022U	-	-	<0.0021U	-	-	<0.0022U	-	-	<0.0023U	-	-	-
	Hexachloroethane	mg/kg	0.012	60		<0.013U	-	-	<0.014U	-	-	<0.013U	-	-	<0.013U	-	-	<0.014U	-	-	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	<0.0036U	-	-	0.0039J	-	-	<0.0035U	-	-	<0.0037U	-	-	0.018	-	-	-
	Naphthalene	mg/kg	0.0013		12	<0.0014U	-	-	0.0017J	-	-	0.0021J	-	-	<0.0014U	-	-	0.0037J	-	-	-
	Nitrobenzene	mg/kg	0.012	40		<0.013U	-	-	<0.014U	-	-	<0.013U	-	-	<0.013U	-	-	<0.014U	-	-	-
	Pentachlorophenol	mg/kg	0.055	2000	0.8	<0.059U	-	-	<0.062U	-	-	<0.057U	-	-	<0.059U	-	-	<0.062U	-	-	-
	Phenanthrene	mg/kg	0.0019		100	0.0021J	-	-	0.0046J	-	-	0.0032J	-	-	<0.002U	-	-	0.0072J	-	-	-
	Phenol	mg/kg	0.01		0.33	<0.011U	-	-	<0.012U	-	-	<0.011U	-	-	<0.011U	-	-	<0.012U	-	-	-
	Pyrene	mg/kg	0.0017		100	0.0034J	-	-	0.012	-	-	<0.0017U	-	-	0.0023J	-	-	0.034	-	-	-
	Pyridine	mg/kg	0.018	100		<0.02U	-	-	<0.021U	-	-	<0.019U	-	-	<0.02U	-	-	<0.021U	-	-	-
	PAHs (Sum of total)	mg/kg				0.029	-	-	0.071	-	-	0.0213	-	-	0.02325	-	-	0.2462	-	-	-
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0019U	-	<0.0018U	<0.0018U	-	<0.002U	<0.0019U	<0.0019U
	1,1-dichloroethane	mg/kg	0.00015		0.27	-	<0.0018U	<0.0017U	-	<0.0018U	<0.0017U	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0017U	-	<0.0019U	<0.0019U	<0.0018U
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	-	<0.0025U	<0.0025U	-	<0.0025U	<0.0025U	-	<0.0024U	<0.0025U	-	<0.0025U	<0.0024U	-	<0.0027U	<0.0026U	<0.0026U
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	-	<0.0019U	<0.0019U	-	<0.0019U	<0.0019U	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0018U	-	<0.002U	<0.002U	<0.002U
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	-	<0.0019U	<0.0018U	-	<0.0019U	<0.0018U	-	<0.0018U	<0.0019U	-	<0.0018U	<0.0018U	-	<0.002U	<0.002U	<0.0019U
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0015U	-	<0.0017U	<0.0017U	<0.0017U
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	-	<0.0021U	<0.002U	-	<0.0021U	<0.002U	-	<0.002U	<0.0021U	-	<0.002U	<0.002U	-	<0.0022U	<0.0022U	<0.0021U
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	-	<0.0034U	<0.0034U	-	<0.0034U	<0.0033U	-	<0.0033U	<0.0034U	-	<0.0034U	<0.0032U	-	<0.0036U	<0.0036U	<0.0035U
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	-	<0.0017U	<0.0016U	-	<0.0017U	<0.0016U	-	<0.0016U	<0.0017U	-	<0.0016U	<0.0016U	-	<0.0018U	<0.0017U	<0.0017U
	Acetone	mg/kg	0.0034		0.05	-	<0.0043U	<0.0043U	-	<0.0043U	<0.0042U	-	<0.0041U	<0.0043U	-	<0.0043U	<0.0041U	-	<0.0046U	<0.0045U	<0.0045U
	Benzene	mg/kg	0.00019	10	0.06	-	<0.0016U	<0.0015U	-	<0.0016U	<0.0015U	-	<0.0015U	<0.0016U	-	<0.0015U	<0.0015U	-	<0.0017U	<0.0016U	<0.0016U
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	-	<0.0022U	<0.0022U	-	<0.0022U	<0.0022U	-	<0.0021U	<0.0023U	-	<0.0022U	<0.0021U	-	<0.0024U	<0.0024U	<0.0023U
	Chlorobenzene	mg/kg	0.00013	2000	1.1	-	<0.0014U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0015U	<0.0015U	<0.0015U
	Chloroform	mg/kg	0.00062	120	0.37	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0017U	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0017U	-	<0.0019U	<0.0019U	<0.0019U
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	-	<0.0017U	<0.0016U	-	<0.0017U	<0.0016U	-	<0.0016U	<0.0017U	-	<0.0017U	<0.0016U	-	<0.0018U	<0.0018U	<0.0017U
	Dichloromethane	mg/kg	0.00083		0.05	-	<0.005U	<0.0049U	-	<0.005U	<0.0049U	-	<0.0048U	<0.005U	-	<0.0049U	<0.0047U	-	<0.0053U	<0.0052U	<0.0052U
	Ethylbenzene	mg/kg	0.00014		1	-	<0.002U	<0.002U	-	<0.002U	<0.002U	-	<0.002U	<0.0021U	-	<0.002U	<0.0019U	-	<0.0022U	<0.0022U	<0.0021U
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	-	<0.0028U	<0.0028U	-	<0.0028U	<0.0028U	-	<0.0027U	<0.0028U	-	<0.0028U	<0.0027U	-	<0.003U	<0.003U	<0.0029U
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0015U	-	<0.0017U	<0.0017U	<0.0017U
	n-butylbenzene	mg/kg	0.00021		12	-	<0.0027U	<0.0027U	-	<0.0027U	<0.0027U	-	<0.0026U	<0.0028U	-	<0.0027U	<0.0026U	-	<0.0029U	<0.0029U	<0.0029U
	n-propylbenzene	mg/kg	0.00013		3.9	-	<0.002U	<0.0019U	-	<0.002U	<0.0019U	-	<0.0019U	<0.002U	-	<0.0019U	<0.0019U	-	<0.0021U	<0.0021U	<0.002U
	sec-butylbenzene	mg/kg	0.00021		11	-	<0.0027U	<0.0027U	-	<0.0027U	<0.0027U	-	<0.0026U	<0.0027U	-	<0.0027U	<0.0026U	-	<0.0029U	<0.0029U	<0.0028U
	tert-butylbenzene	mg/kg	0.0002		5.9	-	<0.0023U	<0.0023U	-	<0.0023U	<0.0023U	-	<0.0022U	<0.0023U	-	<0.0023U	<0.0022U	-	<0.0025U	<0.0025U	<0.0024U
	Tetrachloroethene	mg/kg	0.00022	14	1.3	-	<0.0022U	<0.0022U	-	<0.0022U	<0.0022U	-	<0.0021U	<0.0022U	-	<0.0022U	<0.0021U	-	<0.0024U	<0.0023U	<0.0023U
	Toluene	mg/kg	0.00017		0.7	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0015U	-	<0.0017U	<0.0017U	<0.0017U
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	-	<0.0019U	<0.0019U	-	<0.0019U	<0.0019U	-	<0.0019U	<0.0019U	-	<0.0019U	<0.0018U	-	<0.0021U	<0.002U	<0.002U
	Trichloroethene	mg/kg	0.00026	10	0.47	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0016U	-	0.0024J	0.0035J	0.0024J
	Vinyl chloride	mg/kg	0.0004	4	0.02	-	<0.004U	<0.0039U	-	<0.004U	<0.0039U	-	<0.0038U	<0.004U	-	<0.0039U	<0.0038U	-	<0.0042U	<0.0042U	<0.0041U
	Xylene Total	mg/kg	0.00046		1.6	-	<0.008U	<0.0079U	-	<0.008U	<0.0078U	-	<0.0076U	<0.008U	-	<0.0079U	<0.0076U	-	<0.0085U	<0.0084U	<0.0083U

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A70B	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-A94A	SSHS-IRM5A2-A2-A94B	SSHS-IRM5A2-A2-A94C	SSHS-IRM5A2-A2-A95A	SSHS-IRM5A2-A2-A95B	SSHS-IRM5A2-A2-A95C	SSHS-IRM5A2-A2-A96A	SSHS-IRM5A2-A2-A96B	SSHS-IRM5A2-A2-A96C	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-A97B
					Sample Name	SSHS-IRM5A2-A2-DUP13B	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-DUP13C	SSHS-IRM5A2-A2-A94A	SSHS-IRM5A2-A2-A94B	SSHS-IRM5A2-A2-A94C	SSHS-IRM5A2-A2-A95A	SSHS-IRM5A2-A2-A95B	SSHS-IRM5A2-A2-A95C	SSHS-IRM5A2-A2-A96A	SSHS-IRM5A2-A2-A96B	SSHS-IRM5A2-A2-A96C	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-DUP16A	SSHS-IRM5A2-A2-A97B
					Sample Date	2/11/2022	2/11/2022	2/11/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/8/2022	3/8/2022	3/8/2022
					Lab Report	180-133611-1	180-133611-2	180-133611-2	180-134729-1	180-134729-1	180-134729-2	180-134729-1	180-134729-1	180-134729-2	180-134729-1	180-134729-1	180-134729-2	180-134842-1	180-134842-1	180-134842-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**															
PCBs	Arochlor 1016	mg/kg	0.0055			-	<0.0064U	<0.0064U	-	-	<0.0058U	-	-	<0.0056U	-	-	<0.0056U	-	-	-
	Arochlor 1221	mg/kg	0.006			-	<0.0069U	<0.007U	-	-	<0.0063U	-	-	<0.0061U	-	-	<0.0061U	-	-	-
	Arochlor 1232	mg/kg	0.0041			-	<0.0048U	<0.0048U	-	-	<0.0043U	-	-	<0.0042U	-	-	<0.0042U	-	-	-
	Arochlor 1242	mg/kg	0.0025			-	<0.0029U	<0.0029U	-	-	<0.0026U	-	-	<0.0025U	-	-	<0.0025U	-	-	-
	Arochlor 1248	mg/kg	0.0043			-	0.69	0.63	-	-	0.046	-	-	0.39	-	-	0.15	-	-	-
	Arochlor 1254	mg/kg	0.0056			-	0.26	0.24	-	-	0.013J	-	-	0.22	-	-	0.085	-	-	-
	Arochlor 1260	mg/kg	0.0048			-	0.12	0.11	-	-	<0.0051U	-	-	<0.0049U	-	-	<0.0049U	-	-	-
	Arochlor 1262	mg/kg	0.0059			-	<0.0069U	<0.0069U	-	-	<0.0063U	-	-	<0.0061U	-	-	<0.0061U	-	-	-
	Arochlor 1268	mg/kg	0.0023			-	<0.0026U	<0.0027U	-	-	<0.0024U	-	-	<0.0023U	-	-	<0.0023U	-	-	-
	Arochlor-unspecified	mg/kg			1	-	1.085	0.9954	-	-	0.0754	-	-	0.6259	-	-	0.2509	-	-	-
Inorganics	Arsenic	mg/kg	0.62	100	16	-	5.5	5.7	-	-	3.7	-	-	4	-	-	5	-	-	-
	Barium	mg/kg	12	2000	400	-	54	66	-	-	36	-	-	32	-	-	35	-	-	-
	Beryllium	mg/kg	0.25		47	-	0.34	0.33	-	-	0.19J	-	-	0.17J	-	-	0.17J	-	-	-
	Cadmium	mg/kg	0.073	20	4.3	-	0.1J	0.1J	-	-	0.088J	-	-	0.11J	-	-	0.086J	-	-	-
	Chromium (hexavalent)	mg/kg	0.22		19	-	<0.25U	<0.25U	-	-	<0.23U	-	-	<0.23U	-	-	<0.22U	-	-	-
	Chromium (III+VI)	mg/kg	0.31	100	19	-	11	9.4	-	-	5.7	-	-	5.3	-	-	6	-	-	-
	Copper	mg/kg	1.5		270	-	38	27	-	-	17	-	-	15	-	-	19	-	-	-
	Cyanide Total	mg/kg	0.18		27	-	<0.39U,^+	2.4	-	-	<0.31U	-	-	<0.3U	-	-	<0.29U	-	-	-
	Lead	mg/kg	0.62	100	400	-	16	23	-	-	6.2	-	-	6.7	-	-	7.1	-	-	-
	Manganese	mg/kg	0.93		2000	-	360	400	-	-	330	-	-	320	-	-	320	-	-	-
	Mercury	mg/kg	0.013	4	0.73	-	0.024	<0.023U	-	-	<0.018U	-	-	<0.021U	-	-	<0.02U	-	-	-
	Nickel	mg/kg	2.5		130	-	22	21	-	-	12	-	-	11	-	-	11	-	-	-
	Selenium	mg/kg	0.29	20	4	-	0.46J	<0.38U	-	-	0.72J	-	-	0.99	-	-	0.74J	-	-	-
	Silver	mg/kg	0.064	100	8.3	-	<0.076U	<0.085U	-	-	<0.08U	-	-	<0.087U	-	-	<0.079U	-	-	-
	Zinc	mg/kg	1.2		2480	-	56	62	-	-	42	-	-	42	-	-	47	-	-	-
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.037U,*3	<0.012U	<0.012U	<0.037U	<0.039U	<0.011U	<0.038U	<0.037U	<0.011U	<0.037U	<0.038U	<0.011U	<0.037U	<0.037U	<0.036U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		-	<0.014U	<0.014U	-	-	<0.012U	-	-	<0.012U	-	-	<0.012U	-	-	-
	2,4,6-trichlorophenol	mg/kg	0.011	40		-	<0.013U	<0.013U	-	-	<0.012U	-	-	<0.012U	-	-	<0.011U	-	-	-
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		-	<0.023U	<0.023U	-	-	<0.021U	-	-	<0.021U	-	-	<0.021U	-	-	-
	2-methylphenol	mg/kg	0.0097	4000	0.33	-	<0.011U	<0.011U	-	-	<0.01U	-	-	<0.01U	-	-	<0.0099U	-	-	-
	4-methylphenol	mg/kg	0.01	4000	0.33	-	<0.011U	<0.011U	-	-	<0.01U	-	-	<0.01U	-	-	<0.01U	-	-	-
	Acenaphthene	mg/kg	0.002		98	-	0.0075J	0.0063J	-	-	<0.002U	-	-	<0.002U	-	-	<0.002U	-	-	-
	Acenaphthylene	mg/kg	0.0015		100	-	0.14	0.089	-	-	0.0061J	-	-	0.011	-	-	0.0068J	-	-	-
	Anthracene	mg/kg	0.0018		100	-	0.1	0.072	-	-	0.0035J	-	-	0.0073	-	-	0.0043J	-	-	-
	Benz(a)anthracene	mg/kg	0.0031		1	-	0.29	0.19	-	-	0.0036J	-	-	0.0062J	-	-	0.0038J	-	-	-
	Benzo(a) pyrene	mg/kg	0.003		1	-	0.31	0.21	-	-	0.0036J	-	-	0.0067J	-	-	0.0052J	-	-	-
	Benzo(b)fluoranthene	mg/kg	0.0017		1	-	0.41	0.27	-	-	0.0051J	-	-	0.01	-	-	0.0063J	-	-	-
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	-	0.29	0.21	-	-	0.0074	-	-	0.014	-	-	0.0094	-	-	-
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	-	0.12	0.1	-	-	<0.0021U	-	-	0.0047J	-	-	0.0026J	-	-	-
	Chrysene	mg/kg	0.0039		1	-	0.34	0.22	-	-	0.0042J	-	-	0.0076	-	-	0.0046J	-	-	-
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	-	0.074	0.053	-	-	<0.0045U	-	-	<0.0045U	-	-	<0.0044U	-	-	-
	Dibenzofuran	mg/kg	0.013		59	-	0.014J	<0.014U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	-
	Fluoranthene	mg/kg	0.0018		100	-	0.43	0.27	-	-	0.0046J	-	-	0.0098	-	-	0.0046J	-	-	-
	Fluorene	mg/kg	0.0013		100	-	0.017	0.01	-	-	<0.0014U	-	-	0.0014J	-	-	<0.0014U	-	-	-
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	-	<0.0028U	<0.0028U	-	-	<0.0025U	-	-	<0.0025U	-	-	<0.0025U	-	-	-
	Hexachlorobutadiene	mg/kg	0.002	10		-	<0.0023U	<0.0023U	-	-	<0.0021U	-	-	<0.002U	-	-	<0.002U	-	-	-
	Hexachloroethane	mg/kg	0.012	60		-	<0.014U	<0.014U	-	-	<0.012U	-	-	<0.012U	-	-	<0.012U	-	-	-
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	-	0.26	0.18	-	-	0.005J	-	-	0.011	-	-	0.0062J	-	-	-
	Naphthalene	mg/kg	0.0013		12	-	0.045	0.036	-	-	<0.0014U	-	-	0.0014J	-	-	<0.0013U	-	-	-
	Nitrobenzene	mg/kg	0.012	40		-	<0.014U	<0.014U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	-
	Pentachlorophenol	mg/kg	0.055	2000	0.8	-	<0.062U	<0.063U	-	-	<0.056U	-	-	<0.056U	-	-	<0.055U	-	-	-
	Phenanthrene	mg/kg	0.0019		100	-	0.14	0.1	-	-	0.0033J	-	-	0.004J	-	-	0.0028J	-	-	-
	Phenol	mg/kg	0.01		0.33	-	<0.012U	<0.012U	-	-	<0.011U	-	-	<0.011U	-	-	<0.01U	-	-	-
	Pyrene	mg/kg	0.0017		100	-	0.42	0.3	-	-	0.0055J	-	-	0.011	-	-	0.006J	-	-	-
	Pyridine	mg/kg	0.018	100		-	<0.021U	<0.021U	-	-	<0.019U	-	-	<0.019U	-	-	<0.019U	-	-	-
	PAHs (Sum of total)	mg/kg				-	3.386	2.31	-	-	0.0566	-	-	0.1084	-	-	0.06615	-	-	-
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	<0.0018U,*3	-	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0017U	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0018U	<0.0017U
	1,1-dichloroethane	mg/kg	0.00015		0.27	<0.0017U,*3	-	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	<0.0016U
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	<0.0024U,*3	-	-	<0.0023U	<0.0025U	-	<0.0024U	<0.0023U	-	<0.0023U	<0.0024U	-	<0.0024U	<0.0024U	<0.0023U
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	<0.0018U,*3	-	-	<0.0018U	<0.0019U	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0018U	<0.0018U
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	<0.0018U,*3	-	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0017U	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0018U	<0.0017U
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	<0.0015U,*3	-	-	<0.0015U	<0.0016U	-	<0.0015U	<0.0015U,*-	-	<0.0015U	<0.0015U,*-	-	<0.0015U	<0.0015U	<0.0015U
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	<0.002U,*3	-	-	<0.0019U	<0.002U	-	<0.002U	<0.0019U	-	<0.0019U	<0.002U	-	<0.002U	<0.002U	<0.0019U
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	<0.0033U,*3	-	-	<0.0032U	<0.0034U	-	<0.0033U	<0.0032U	-	<0.0032U	<0.0033U	-	<0.0032U	<0.0032U	<0.0031U
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	<0.0016U,*3	-	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0016U	<0.0015U
	Acetone	mg/kg	0.0034		0.05	<0.0041U,*3	-	-	<0.004U,*1	<0.0042U,*1	-	<0.0041U,*1	<0.0041U	-	<0.004U,*1	<0.0042U	-	<0.0041U	<0.0041U	<0.004U
	Benzene	mg/kg	0.00019	10	0.06	<0.0015U,*3	-	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	<0.0014U
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	<0.0021U,*3	-	-	<0.0021U	<0.0022U	-	<0.0022U	<0.0021U	-	<0.0021U	<0.0022U	-	<0.0021U	<0.0021U	<0.0021U
	Chlorobenzene	mg/kg	0.00013	2000	1.1	<0.0014U,*3	-	-	<0.0013U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0013U	<0.0014U	-	<0.0014U	<0.0014U	<0.0013U
	Chloroform	mg/kg	0.00062	120	0.37	<0.0017U,*3	-	-	<0.0017U	<0.0018U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	<0.0016U
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	<0.0016U,*3	-	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	<0.0015U
	Dichloromethane	mg/kg	0.00083		0.05	<0.0048U,*3	-	-	<0.0047U	<0.0049U	-	<0.0048U	<0.0047U	-	<0.0047U	<0.0048U	-	<0.0047U	<0.0047U	<0.0046U
	Ethylbenzene	mg/kg	0.00014		1	<0.002U,*3	-	-	<0.0019U	<0.002U	-	<0.0019U	<0.0019U	-	<0.0019U	<0.002U	-	<0.0019U	<0.0019U	<0.0019U
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	<0.0027U,*3	-	-	<0.0026U,*1	<0.0028U,*1	-	<0.0027U,*1	<0.0026U,*-,*1	-	<0.0026U,*1	<0.0027U,*-,*1	-	<0.0027U	<0.0027U	<0.0026U
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	<0.0016U,*3	-	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0015U,*-	-	<0.0015U	<0.0016U,*-	-	<0.0015U	<0.0015U	<0.0015U
	n-butylbenzene	mg/kg	0.00021		12	<0.0026U,*3,*1	-	-	<0.0026U	<0.0027U	-	<0.0026U	<0.0026U	-	<0.0026U	<0.0027U	-	<0.0026U	<0.0026U	<0.0025U
	n-propylbenzene	mg/kg	0.00013		3.9	<0.0019U,*3	-	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0019U	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0019U	<0.0018U
	sec-butylbenzene	mg/kg	0.00021		11	<0.0026U,*3	-	-	<0.0025U	<0.0027U	-	<0.0026U	<0.0026U	-	<0.0025U	<0.0026U	-	<0.0026U	<0.0026U	<0.0025U
	tert-butylbenzene	mg/kg	0.0002		5.9	<0.0022U,*3	-	-	<0.0022U	<0.0023U	-	<0.0022U	<0.0022U	-	<0.0022U	<0.0023U	-	<0.0022U	<0.0022U	<0.0022U
	Tetrachloroethene	mg/kg	0.00022	14	1.3	<0.0021U,*3	-	-	<0.0021U	<0.0022U	-	<0.0021U	<0.0021U	-	<0.0021U	<0.0022U	-	<0.0021U	<0.0021U	<0.0021U
	Toluene	mg/kg	0.00017		0.7	<0.0015U,*3	-	-	<0.0015U	<0.0016U	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	<0.0015U
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	<0.0018U,*3	-	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0018U	-	<0.0018U	<0.0019U	-	<0.0018U	<0.0018U	<0.0018U
	Trichloroethene	mg/kg	0.00026	10	0.47	<0.0017U,*3	-	-	0.0022J	<0.0017U	-	<0.0017U	<0.0016U	-	<0.0016U	<0.0017U	-	<0.0016U	<0.0016U	<0.0016U
	Vinyl chloride	mg/kg	0.0004	4	0.02	<0.0038U,*3	-	-	<0.0037U,*1	<0.0039U,*1	-	<0.0038U,*1	<0.0037U	-	<0.0037U,*1	<0.0039U	-	<0.0038U	<0.0038U	<0.0037U
	Xylene Total	mg/kg	0.00046		1.6	<0.0076U,*3	-	-	<0.0075U	<0.0079U	-	<0.0077U	<0.0075U	-	<0.0074U	<0.0077U	-	<0.0076U	<0.0076U	<0.0074U

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A97B	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-A98A	SSHS-IRM5A2-A2-A98B	SSHS-IRM5A2-A2-A98C	SSHS-IRM5A2-A2-A99A	SSHS-IRM5A2-A2-A99B	SSHS-IRM5A2-A2-A99C	SSHS-IRM5A2-A2-A100A	SSHS-IRM5A2-A2-A100B	SSHS-IRM5A2-A2-A100C
					Sample Name	SSHS-IRM5A2-A2-DUP16B	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-DUP16C	SSHS-IRM5A2-A2-A98A	SSHS-IRM5A2-A2-A98B	SSHS-IRM5A2-A2-A98C	SSHS-IRM5A2-A2-A99A	SSHS-IRM5A2-A2-A99B	SSHS-IRM5A2-A2-A99C	SSHS-IRM5A2-A2-A100A	SSHS-IRM5A2-A2-A100B	SSHS-IRM5A2-A2-A100C
					Sample Date	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022
					Lab Report	180-134842-1	180-134842-2	180-134842-2	180-134842-1	180-134842-1	180-134842-2	180-134842-1	180-134842-1	180-134842-2	180-134842-1	180-134842-1	180-134842-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**												
PCBs	Arochlor 1016	mg/kg	0.0055			-	<0.0055U	<0.0057U	-	-	<0.0058U	-	-	<0.0057U	-	-	<0.0057U
	Arochlor 1221	mg/kg	0.006			-	<0.006U	<0.0062U	-	-	<0.0063U	-	-	<0.0062U	-	-	<0.0062U
	Arochlor 1232	mg/kg	0.0041			-	<0.0041U	<0.0043U	-	-	<0.0044U	-	-	<0.0043U	-	-	<0.0043U
	Arochlor 1242	mg/kg	0.0025			-	<0.0025U	<0.0026U	-	-	<0.0026U	-	-	<0.0026U	-	-	<0.0026U
	Arochlor 1248	mg/kg	0.0043			-	0.23	0.34	-	-	0.71	-	-	0.19	-	-	0.19
	Arochlor 1254	mg/kg	0.0056			-	0.073	0.11	-	-	0.2	-	-	0.054	-	-	0.076
	Arochlor 1260	mg/kg	0.0048			-	<0.0048U	<0.005U	-	-	<0.0051U	-	-	<0.005U	-	-	<0.005U
	Arochlor 1262	mg/kg	0.0059			-	<0.0059U	<0.0061U	-	-	<0.0063U	-	-	<0.0062U	-	-	<0.0061U
	Arochlor 1268	mg/kg	0.0023			-	<0.0023U	<0.0023U	-	-	<0.0024U	-	-	<0.0024U	-	-	<0.0024U
	Arochlor-unspecified	mg/kg			1	-	0.3186	0.4661	-	-	0.9265	-	-	0.2602	-	-	0.2822
Inorganics	Arsenic	mg/kg	0.62	100	16	-	3.3	3.6	-	-	4.4	-	-	4	-	-	3
	Barium	mg/kg	12	2000	400	-	36	34	-	-	42	-	-	32F1	-	-	30
	Beryllium	mg/kg	0.25		47	-	0.16J	0.2J	-	-	0.21J	-	-	0.17J	-	-	0.15J
	Cadmium	mg/kg	0.073	20	4.3	-	0.069J	0.083J	-	-	0.095J	-	-	0.082J	-	-	0.059J
	Chromium (hexavalent)	mg/kg	0.22		19	-	<0.22U	<0.23U	-	-	<0.24U	-	-	<0.22U	-	-	<0.22U
	Chromium (III+VI)	mg/kg	0.31	100	19	-	5	5.6	-	-	5.9	-	-	4.7F1	-	-	4.5
	Copper	mg/kg	1.5		270	-	15	15	-	-	18	-	-	15	-	-	12
	Cyanide Total	mg/kg	0.18		27	-	<0.36U	<0.37U	-	-	1.5	-	-	<0.29U	-	-	<0.28U
	Lead	mg/kg	0.62	100	400	-	5.3	6.4	-	-	12	-	-	7F1	-	-	6.4
	Manganese	mg/kg	0.93		2000	-	390	300	-	-	320	-	-	310	-	-	200
	Mercury	mg/kg	0.013	4	0.73	-	<0.018U	0.023J	-	-	0.043	-	-	<0.022U	-	-	0.02J
	Nickel	mg/kg	2.5		130	-	10	11	-	-	12	-	-	9.8	-	-	8.4
	Selenium	mg/kg	0.29	20	4	-	<0.29U	0.77J	-	-	0.67J	-	-	0.66J	-	-	0.62J
	Silver	mg/kg	0.064	100	8.3	-	<0.064U	<0.09U	-	-	<0.075U	-	-	<0.072U	-	-	<0.08U
	Zinc	mg/kg	1.2		2480	-	37	39	-	-	46	-	-	43F1	-	-	33
SVOCs	1,4-Dioxane	mg/kg	0.0066		0.1	<0.039U	<0.011U	<0.011U	<0.037U	<0.038U	<0.011U	<0.037U	<0.038U	<0.011U	<0.04U	<0.037U	<0.011U
	2,4,5-trichlorophenol	mg/kg	0.012	8000		-	<0.012U	<0.012U	-	-	<0.013U	-	-	<0.012U	-	-	<0.012U
	2,4,6-trichlorophenol	mg/kg	0.011	40		-	<0.011U	<0.011U	-	-	<0.012U	-	-	<0.012U	-	-	<0.012U
	2,4-Dinitrotoluene	mg/kg	0.02	2.6		-	<0.02U	<0.021U	-	-	<0.022U	-	-	<0.021U	-	-	<0.021U
	2-methylphenol	mg/kg	0.0097	4000	0.33	-	<0.0097U	<0.0099U	-	-	<0.01U	-	-	<0.0099U	-	-	<0.01U
	4-methylphenol	mg/kg	0.01	4000	0.33	-	<0.01U	<0.01U	-	-	<0.011U	-	-	<0.01U	-	-	<0.01U
	Acenaphthene	mg/kg	0.002		98	-	<0.002U	<0.002U	-	-	<0.0021U	-	-	<0.002U	-	-	<0.002U
	Acenaphthylene	mg/kg	0.0015		100	-	0.0051J	0.0054J	-	-	0.056	-	-	0.013	-	-	0.038
	Anthracene	mg/kg	0.0018		100	-	0.0031J	0.003J	-	-	0.031	-	-	0.0074	-	-	0.02
	Benz(a)anthracene	mg/kg	0.0031		1	-	0.004J	0.0041J	-	-	0.043	-	-	0.01	-	-	0.025
	Benzo(a) pyrene	mg/kg	0.003		1	-	0.0053J	0.0052J	-	-	0.06	-	-	0.013	-	-	0.033
	Benzo(b)fluoranthene	mg/kg	0.0017		1	-	0.0067J	0.0079	-	-	0.079	-	-	0.016	-	-	0.045
	Benzo(g,h,i)perylene	mg/kg	0.0015		100	-	0.0064J	0.0067J	-	-	0.079	-	-	0.019	-	-	0.052
	Benzo(k)fluoranthene	mg/kg	0.0021		1.7	-	0.003J	0.0029J	-	-	0.03	-	-	0.0055J	-	-	0.015
	Chrysene	mg/kg	0.0039		1	-	0.0058J	0.0058J	-	-	0.059	-	-	0.013	-	-	0.033
	Dibenz(a,h)anthracene	mg/kg	0.0043		0.33	-	<0.0043U	<0.0044U	-	-	0.015	-	-	<0.0044U	-	-	0.0099
	Dibenzofuran	mg/kg	0.013		59	-	<0.013U	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U
	Fluoranthene	mg/kg	0.0018		100	-	0.0071	0.0078	-	-	0.079	-	-	0.016	-	-	0.047
	Fluorene	mg/kg	0.0013		100	-	<0.0013U	<0.0014U	-	-	0.0055J	-	-	<0.0014U	-	-	0.004J
	Hexachlorobenzene	mg/kg	0.0024	2.6	1.2	-	<0.0024U	<0.0025U	-	-	<0.0026U	-	-	<0.0025U	-	-	<0.0025U
	Hexachlorobutadiene	mg/kg	0.002	10		-	<0.002U	<0.002U	-	-	<0.0021U	-	-	<0.002U	-	-	<0.002U
	Hexachloroethane	mg/kg	0.012	60		-	<0.012U	<0.012U	-	-	<0.013U	-	-	<0.012U	-	-	<0.012U
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.0035		0.5	-	0.0055J	0.0064J	-	-	0.066	-	-	0.012	-	-	0.041
	Naphthalene	mg/kg	0.0013		12	-	0.0014J	0.0015J	-	-	0.0098	-	-	0.0025J	-	-	0.0057J
	Nitrobenzene	mg/kg	0.012	40		-	<0.012U	<0.013U	-	-	<0.013U	-	-	<0.013U	-	-	<0.013U
	Pentachlorophenol	mg/kg	0.055	2000	0.8	-	<0.055U	<0.055U	-	-	<0.058U	-	-	<0.056U	-	-	<0.056U
	Phenanthrene	mg/kg	0.0019		100	-	0.0037J	0.0041J	-	-	0.027	-	-	0.0046J	-	-	0.016
	Phenol	mg/kg	0.01		0.33	-	<0.01U	<0.01U	-	-	<0.011U	-	-	<0.01U	-	-	<0.011U
	Pyrene	mg/kg	0.0017		100	-	0.0076	0.0089	-	-	0.091	-	-	0.02	-	-	0.052
	Pyridine	mg/kg	0.018	100		-	<0.018U	<0.019U	-	-	<0.02U	-	-	<0.019U	-	-	<0.019U
	PAHs (Sum of total)	mg/kg				-	0.0675	0.0726	-	-	0.7303	-	-	0.1549	-	-	0.4366
VOCs	1,1,1-trichloroethane	mg/kg	0.00017		0.68	<0.0019U	-	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0019U	<0.0017U	-
	1,1-dichloroethane	mg/kg	0.00015		0.27	<0.0018U	-	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0018U	<0.0017U	-
	1,1-dichloroethene	mg/kg	0.00016	14	0.33	<0.0025U	-	-	<0.0023U	<0.0024U	-	<0.0024U,F2	<0.0024U	-	<0.0025U	<0.0024U	-
	1,2,4-trimethylbenzene	mg/kg	0.00018		3.6	<0.0019U	-	-	<0.0018U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0019U	<0.0018U	-
	1,2-dichlorobenzene	mg/kg	0.00026		1.1	<0.0019U	-	-	<0.0017U	<0.0018U	-	<0.0018U	<0.0018U	-	<0.0019U	<0.0018U	-
	1,2-dichloroethane	mg/kg	0.00021	10	0.02	<0.0016U	-	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0016U	<0.0015U	-
	1,3,5-trimethylbenzene	mg/kg	0.00023		8.4	<0.0021U	-	-	<0.0019U	<.002U	-	<0.002U	<0.002U	-	<0.0021U	<0.0019U	-
	1,3-dichlorobenzene	mg/kg	0.00026		2.4	<0.0034U	-	-	<0.0032U	<0.0033U	-	<0.0032U	<0.0033U	-	<0.0034U	<0.0032U	-
	1,4-dichlorobenzene	mg/kg	0.00016	150	1.8	<0.0017U	-	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0017U	<0.0016U	-
	Acetone	mg/kg	0.0034		0.05	<0.0043U	-	-	<0.0041U	<0.0042U	-	<0.0041U	<0.0041U	-	<0.0044U	<0.0041U	-
	Benzene	mg/kg	0.00019	10	0.06	<0.0016U	-	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0016U	<0.0015U	-
	Carbon tetrachloride	mg/kg	0.00028	10	0.76	<0.0023U	-	-	<0.0021U	<0.0022U	-	<0.0021U	<0.0022U	-	<0.0023U	<0.0021U	-
	Chlorobenzene	mg/kg	0.00013	2000	1.1	<0.0014U	-	-	<0.0014U	<0.0014U	-	<0.0014U	<0.0014U	-	<0.0015U	<0.0014U	-
	Chloroform	mg/kg	0.00062	120	0.37	<0.0018U	-	-	<0.0017U	<0.0017U	-	<0.0017U	<0.0017U	-	0.0018J	0.0017J	-
	cis-1,2-dichloroethene	mg/kg	0.00026		0.25	<0.0017U	-	-	<0.0016U	<0.0016U	-	<0.0016U	<0.0016U	-	<0.0017U	<0.0016U	-
	Dichloromethane	mg/kg	0.00083		0.05	<0.005U	-	-	<0.0047U	<0.0049U	-	<0.0048U	<0.0048U	-	<0.005U	<0.0047U	-
	Ethylbenzene	mg/kg	0.00014		1	<0.0021U	-	-	<0.0019U	<0.002U	-	<0.0019U	<0.002U,F1	-	<0.0021U	<0.0019U	-
	Methyl Ethyl Ketone	mg/kg	0.00027	4000	0.12	<0.0028U	-	-	<0.0026U	<0.0027U	-	<0.0027U	<0.0027U	-	<0.0028U	<0.0027U	-
	Methyl-tert-butyl ether	mg/kg	0.00037		0.93	<0.0016U	-	-	<0.0015U	<0.0016U	-	<0.0015U	<0.0016U	-	<0.0016U	<0.0015U	-
	n-butylbenzene	mg/kg	0.00021		12	<0.0028U	-	-	<0.0026U	<0.0027U	-	<0.0026U	<0.0026U	-	<0.0028U	<0.0026U	-
	n-propylbenzene	mg/kg	0.00013		3.9	<0.002U	-	-	<0.0018U	<0.0019U	-	<0.0019U	<0.0019U,F1	-	<0.002U	<0.0019U	-
	sec-butylbenzene	mg/kg	0.00021		11	<0.0027U	-	-	<0.0026U	<0.0026U	-	<0.0026U	<0.0026U	-	<0.0028U	<0.0026U	-
	tert-butylbenzene	mg/kg	0.0002		5.9	<0.0023U	-	-	<0.0022U	<0.0023U	-	<0.0022U	<0.0022U	-	<0.0024U	<0.0022U	-
	Tetrachloroethene	mg/kg	0.00022	14	1.3	<0.0022U	-	-	<0.0021U	<0.0022U	-	<0.0021U	<0.0021U	-	<0.0023U	<0.0021U	-
	Toluene	mg/kg	0.00017		0.7	<0.0016U	-	-	<0.0015U	<0.0015U	-	<0.0015U	<0.0015U	-	<0.0016U	<0.0015U	-
	trans-1,2-dichloroethene	mg/kg	0.00018		0.19	<0.0019U	-	-	<0.0018U	<0.0019U	-	<0.0018U	<0.0019U	-	<.002U	<0.0018U	-
	Trichloroethene	mg/kg	0.00026	10	0.47	<0.0017U	-	-	<0.0016U	<0.0017U	-	<0.0017U	<0.0017U	-	<0.0018U	<0.0016U	-
	Vinyl chloride	mg/kg	0.0004	4	0.02	<0.004U	-	-	<0.0037U	<0.0039U	-	<0.0038U,F2	<0.0038U	-	<.004U	<0.0038U	-
	Xylene Total	mg/kg	0.00046		1.6	<0.008U	-	-	<0.0075U	<0.0078U	-	<0.0076U	<0.0076U,F1	-	<0.0081U	<0.0075U	-

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A4A	SSHS-IRM5A2-A2-A4B	SSHS-IRM5A2-A2-A4C	SSHS-IRM5A2-A2-A5A	SSHS-IRM5A2-A2-A5B	SSHS-IRM5A2-A2-A5C	SSHS-IRM5A2-A2-A8A	SSHS-IRM5A2-A2-A8B	SSHS-IRM5A2-A2-A8C	SSHS-IRM5A2-A2-A9A	SSHS-IRM5A2-A2-A9B	SSHS-IRM5A2-A2-A9C	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-A2-A10C
					Sample Name	SSHS-IRM5A2-A2-A4A	SSHS-IRM5A2-A2-A4B	SSHS-IRM5A2-A2-A4C	SSHS-IRM5A2-A2-A5A	SSHS-IRM5A2-A2-A5B	SSHS-IRM5A2-A2-A5C	SSHS-IRM5A2-A2-A8A	SSHS-IRM5A2-A2-A8B	SSHS-IRM5A2-A2-A8C	SSHS-IRM5A2-A2-A9A	SSHS-IRM5A2-A2-A9B	SSHS-IRM5A2-A2-A9C	SSHS-IRM5A2-A2-A10A	SSHS-IRM5A2-DUP7A	SSHS-IRM5A2-A2-A10B	SSHS-IRM5A2-DUP7B	SSHS-IRM5A2-A2-A10C
					Sample Date	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/13/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021
					Lab Report	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-1	180-130004-1	180-130004-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**																	
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			-	-	<0.031U	-	-	<0.029U	-	-	<0.029U	-	-	<0.03U	-	-	-	-	<0.029U
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			-	-	<0.041U	-	-	<0.037U	-	-	<0.037U	-	-	<0.039U	-	-	-	-	<0.038U
	NEtFOSAA	µg/kg	0.046			-	-	<0.056U	-	-	<0.051U	-	-	<0.051U	-	-	<0.053U	-	-	-	-	<0.052U
	NMeFOSAA	µg/kg	0.022			-	-	<0.027U	-	-	<0.025U	-	-	<0.024U	-	-	<0.025U	-	-	-	-	<0.025U
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			-	-	<0.044U	-	-	<0.041U	-	-	<0.04U	-	-	<0.042U	-	-	-	-	<0.041U
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			-	-	0.083J	-	-	0.069J	-	-	0.091J	-	-	0.28	-	-	-	-	0.078J
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			-	-	<0.06U	-	-	<0.056U	-	-	<0.055U	-	-	<0.058U	-	-	-	-	<0.056U
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			-	-	<0.056U	-	-	<0.051U	-	-	<0.051U	-	-	<0.053U	-	-	-	-	<0.052U
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			-	-	<0.035U	-	-	<0.032U	-	-	<0.032U	-	-	<0.033U	-	-	-	-	<0.032U
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			-	-	<0.057U	-	-	<0.052U	-	-	<0.052U	-	-	<0.054U	-	-	-	-	<0.053U
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			-	-	<0.044U	-	-	<0.041U	-	-	<0.04U	-	-	<0.042U	-	-	-	-	<0.041U
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			-	-	<0.034U	-	-	<0.031U	-	-	<0.031U	-	-	<0.032U	-	-	-	-	<0.031U
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			-	-	0.039J	-	-	<0.033U	-	-	0.044J	-	-	0.045J	-	-	-	-	0.034J
	Heptadecafluorononanoic acid	µg/kg	0.021			-	-	<0.026U	-	-	<0.024U	-	-	0.041J	-	-	0.058J	-	-	-	-	<0.024U
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			-	-	<0.038U	-	-	<0.035U	-	-	<0.035U	-	-	<0.037U	-	-	-	-	<0.036U
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	-	-	<0.05U	-	-	<0.046U	-	-	0.25	-	-	0.37	-	-	-	-	<0.046U
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	-	-	0.069J	-	-	<0.057U	-	-	0.15J	-	-	0.14J	-	-	-	-	0.096J
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			-	-	<0.048U	-	-	<0.044U	-	-	<0.043U	-	-	0.048J	-	-	-	-	<0.044U
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			-	-	<0.043U	-	-	<0.04U	-	-	<0.039U	-	-	<0.041U	-	-	-	-	<0.04U
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			-	-	<0.024U	-	-	<0.022U	-	-	<0.022U	-	-	<0.023U	-	-	-	-	<0.023U
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			-	-	<0.049U	-	-	<0.045U	-	-	<0.044U	-	-	<0.046U	-	-	-	-	<0.045U
	Total PFAS	µg/kg				-	-	0.5725	-	-	0.465	-	-	0.8885	-	-	1.245	-	-	-	-	0.562

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
^+ - Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
* - ISTD response or retention time outside acceptable limits
*+ - LCS and/or LCSD is outside acceptance limits, high biased
*1 - LCS/LCSD RPD exceeds control limits
*3 - ISTD response or retention time oustide acceptable limits
E - Exceeds instrument calibration range.
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
I - Value is EMPC (estimated maximum possible concentration)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A10C	SSHS-IRM5A2-A2-A11A	SSHS-IRM5A2-A2-A11B	SSHS-IRM5A2-A2-A11C	SSHS-IRM5A2-A2-A12A	SSHS-IRM5A2-A2-A12B	SSHS-IRM5A2-A2-A12C	SSHS-IRM5A2-A2-A13A	SSHS-IRM5A2-A2-A13B	SSHS-IRM5A2-A2-A13C	SSHS-IRM5A2-A2-A14A	SSHS-IRM5A2-A2-A14B	SSHS-IRM5A2-A2-A14C	SSHS-IRM5A2-A2-A17A	SSHS-IRM5A2-A2-A17B	SSHS-IRM5A2-A2-A17C
					Sample Name	SSHS-IRM5A2-DUP7C	SSHS-IRM5A2-A2-A11A	SSHS-IRM5A2-A2-A11B	SSHS-IRM5A2-A2-A11C	SSHS-IRM5A2-A2-A12A	SSHS-IRM5A2-A2-A12B	SSHS-IRM5A2-A2-A12C	SSHS-IRM5A2-A2-A13A	SSHS-IRM5A2-A2-A13B	SSHS-IRM5A2-A2-A13C	SSHS-IRM5A2-A2-A14A	SSHS-IRM5A2-A2-A14B	SSHS-IRM5A2-A2-A14C	SSHS-IRM5A2-A2-A17A	SSHS-IRM5A2-A2-A17B	SSHS-IRM5A2-A2-A17C
					Sample Date	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/15/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021	11/16/2021
					Lab Report	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130004-1	180-130004-1	180-130004-2	180-130057-1	180-130057-1	180-130057-2	180-130057-1	180-130057-1	180-130057-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			<0.029U	-	-	<0.029U	-	-	<0.028U	-	-	<0.029U	-	-	<0.029U	-	-	<0.029U
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			<0.037U	-	-	<0.037U	-	-	<0.036U	-	-	<0.038U	-	-	<0.037U	-	-	<0.037U
	NEtFOSAA	µg/kg	0.046			<0.051U	-	-	<0.051U	-	-	<0.05U	-	-	<0.052U	-	-	<0.051U	-	-	<0.051U
	NMeFOSAA	µg/kg	0.022			<0.024U	-	-	<0.025U	-	-	<0.024U	-	-	<0.025U	-	-	<0.025U	-	-	<0.025U
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			<0.04U	-	-	<0.041U	-	-	<0.039U	-	-	<0.041U	-	-	<0.041U	-	-	<0.041U
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			0.055J	-	-	0.071J	-	-	0.096J	-	-	0.056J	-	-	0.081J	-	-	0.21
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			<0.055U	-	-	<0.056U	-	-	<0.054U	-	-	<0.057U	-	-	<0.056U	-	-	<0.055U
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			<0.051U	-	-	<0.051U	-	-	<0.05U	-	-	<0.052U	-	-	<0.051U	-	-	<0.051U
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			<0.032U	-	-	<0.032U	-	-	<0.031U	-	-	<0.033U	-	-	<0.032U	-	-	<0.032U
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			<0.052U	-	-	<0.052U	-	-	<0.051U	-	-	<0.053U	-	-	<0.052U	-	-	<0.052U
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			<0.04U	-	-	<0.041U	-	-	<0.039U	-	-	<0.041U	-	-	<0.041U	-	-	0.043J
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			<0.031U	-	-	<0.031U	-	-	<0.03U	-	-	<0.032U	-	-	<0.031U	-	-	<0.031U
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			<0.033U	-	-	0.033J	-	-	<0.032U	-	-	<0.034U	-	-	<0.033U	-	-	0.048J
	Heptadecafluorononanoic acid	µg/kg	0.021			<0.023U	-	-	<0.023U	-	-	<0.023U	-	-	<0.024U	-	-	<0.024U	-	-	0.041J
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			<0.035U	-	-	<0.035U	-	-	<0.034U	-	-	<0.036U	-	-	<0.035U	-	-	<0.035U
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	<0.046U	-	-	<0.046U	-	-	<0.045U	-	-	<0.047U	-	-	0.2J,I	-	-	0.34I
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	0.074J	-	-	0.085J	-	-	0.09J	-	-	<0.058U	-	-	0.097J	-	-	0.13J
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			<0.044U	-	-	<0.044U	-	-	<0.042U	-	-	<0.045U	-	-	<0.044U	-	-	0.15J
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			<0.039U	-	-	<0.04U	-	-	<0.038U	-	-	<0.04U	-	-	<0.04U	-	-	<0.039U
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			<0.022U	-	-	<0.022U	-	-	<0.022U	-	-	<0.023U	-	-	<0.022U	-	-	<0.022U
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			<0.045U	-	-	<0.045U	-	-	<0.043U	-	-	<0.046U	-	-	<0.045U	-	-	<0.045U
	Total PFAS	µg/kg				0.4935	-	-	0.5395	-	-	0.5415	-	-	0.459	-	-	0.7225	-	-	1.235

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
^+ - Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
* - ISTD response or retention time outside acceptable limits
*+ - LCS and/or LCSD is outside acceptance limits, high biased
*1 - LCS/LCSD RPD exceeds control limits
*3 - ISTD response or retention time oustide acceptable limits
E - Exceeds instrument calibration range.
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
I - Value is EMPC (estimated maximum possible concentration)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A18A	SSHS-IRM5A2-A2-A18B	SSHS-IRM5A2-A2-A18C	SSHS-IRM5A2-A2-A20A	SSHS-IRM5A2-A2-A20B	SSHS-IRM5A2-A2-A20C	SSHS-IRM5A2-A2-A22A	SSHS-IRM5A2-A2-A22B	SSHS-IRM5A2-A2-A22C	SSHS-IRM5A2-A2-A24A	SSHS-IRM5A2-A2-A24B	SSHS-IRM5A2-A2-A24C	SSHS-IRM5A2-A2-A25A	SSHS-IRM5A2-A2-A25B	SSHS-IRM5A2-A2-A25C	SSHS-IRM5A2-A2-A26A
					Sample Name	SSHS-IRM5A2-A2-A18A	SSHS-IRM5A2-A2-A18B	SSHS-IRM5A2-A2-A18C	SSHS-IRM5A2-A2-A20A	SSHS-IRM5A2-A2-A20B	SSHS-IRM5A2-A2-A20C	SSHS-IRM5A2-A2-A22A	SSHS-IRM5A2-A2-A22B	SSHS-IRM5A2-A2-A22C	SSHS-IRM5A2-A2-A24A	SSHS-IRM5A2-A2-A24B	SSHS-IRM5A2-A2-A24C	SSHS-IRM5A2-A2-A25A	SSHS-IRM5A2-A2-A25B	SSHS-IRM5A2-A2-A25C	SSHS-IRM5A2-A2-A26A
					Sample Date	11/16/2021	11/16/2021	11/16/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/17/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021
					Lab Report	180-130057-1	180-130057-1	180-130057-2	180-130126-1	180-130126-1	180-130126-2	180-130126-1	180-130126-1	180-130126-2	180-130126-1	180-130126-1	180-130126-2	180-130216-1	180-130216-1	180-130216-2	180-130216-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			-	-	<0.028U	-	-	<0.029U	-	-	<0.028U	-	-	<0.028U	-	-	<0.03U	-
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			-	-	<0.037U	-	-	<0.038U	-	-	<0.036U	-	-	<0.036U	-	-	<0.04U	-
	NEtFOSAA	µg/kg	0.046			-	-	<0.05U	-	-	<0.052U	-	-	<0.05U	-	-	<0.05U	-	-	<0.054U	-
	NMeFOSAA	µg/kg	0.022			-	-	<0.024U	-	-	<0.025U	-	-	<0.024U	-	-	<0.024U	-	-	<0.026U	-
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			-	-	<0.04U	-	-	<0.041U	-	-	<0.039U	-	-	<0.039U	-	-	<0.043U	-
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			-	-	0.065J	-	-	0.15J	-	-	0.12J	-	-	0.089J	-	-	<0.052U	-
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			-	-	<0.055U	-	-	<0.056U	-	-	<0.054U	-	-	<0.054U	-	-	<0.059U	-
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			-	-	<0.05U	-	-	<0.052U	-	-	<0.05U	-	-	<0.05U	-	-	<0.054U	-
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			-	-	<0.032U	-	-	<0.033U	-	-	<0.031U	-	-	<0.031U	-	-	<0.034U	-
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			-	-	<0.052U	-	-	<0.053U	-	-	<0.051U	-	-	<0.051U	-	-	<0.055U	-
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			-	-	<0.04U	-	-	<0.041U	-	-	<0.039U	-	-	<0.039U	-	-	<0.043U	-
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			-	-	<0.03U	-	-	<0.031U	-	-	<0.03U	-	-	<0.03U	-	-	<0.033U	-
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			-	-	<0.033U	-	-	0.037J	-	-	0.04J	-	-	<0.032U	-	-	<0.035U	-
	Heptadecafluorononanoic acid	µg/kg	0.021			-	-	<0.023U	-	-	<0.024U	-	-	<0.023U	-	-	<0.023U	-	-	<0.025U	-
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			-	-	<0.035U	-	-	<0.036U	-	-	<0.034U	-	-	<0.034U	-	-	<0.037U	-
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	-	-	0.15J,I	-	-	0.27	-	-	0.29	-	-	0.12J	-	-	0.076J	-
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	-	-	0.066J	-	-	0.11J	-	-	0.13J	-	-	0.057J	-	-	<0.06U	-
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			-	-	<0.043U	-	-	0.11J	-	-	0.049J	-	-	0.049J	-	-	<0.046U	-
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			-	-	<0.039U	-	-	<0.04U	-	-	<0.038U	-	-	<0.038U	-	-	<0.042U	-
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			-	-	<0.022U	-	-	<0.023U	-	-	<0.022U	-	-	<0.022U	-	-	<0.024U	-
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			-	-	<0.044U	-	-	<0.046U	-	-	<0.044U	-	-	<0.043U	-	-	<0.047U	-
	Total PFAS	µg/kg				-	-	0.6195	-	-	0.987	-	-	0.9255	-	-	0.627	-	-	0.4955	-

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
mg/kg - milligrams per kilogram
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E - Exceeds instrument calibration range.
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I - Value is EMPC (estimated maximum possible concentration)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A26B	SSHS-IRM5A2-A2-A26C	SSHS-IRM5A2-A2-A27A	SSHS-IRM5A2-A2-A27B	SSHS-IRM5A2-A2-A27C	SSHS-IRM5A2-A2-A61A	SSHS-IRM5A2-A2-A61B	SSHS-IRM5A2-A2-A61C	SSHS-IRM5A2-A2-A62A	SSHS-IRM5A2-A2-A62B	SSHS-IRM5A2-A2-A62C	SSHS-IRM5A2-A2-A63A	SSHS-IRM5A2-A2-A63B	SSHS-IRM5A2-A2-A63C	SSHS-IRM5A2-A2-A64A	SSHS-IRM5A2-A2-A64B
					Sample Name	SSHS-IRM5A2-A2-A26B	SSHS-IRM5A2-A2-A26C	SSHS-IRM5A2-A2-A27A	SSHS-IRM5A2-A2-A27B	SSHS-IRM5A2-A2-A27C	SSHS-IRM5A2-A2-A61A	SSHS-IRM5A2-A2-A61B	SSHS-IRM5A2-A2-A61C	SSHS-IRM5A2-A2-A62A	SSHS-IRM5A2-A2-A62B	SSHS-IRM5A2-A2-A62C	SSHS-IRM5A2-A2-A63A	SSHS-IRM5A2-A2-A63B	SSHS-IRM5A2-A2-A63C	SSHS-IRM5A2-A2-A64A	SSHS-IRM5A2-A2-A64B
					Sample Date	11/18/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022	1/18/2022
					Lab Report	180-130216-1	180-130216-2	180-130216-1	180-130216-1	180-130216-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1	180-132484-2	180-132484-1	180-132484-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 AppS Rest. Res.**																
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			-	<0.029U	-	-	<0.029U	-	-	<0.031U	-	-	<0.039U	-	-	<0.029U	-	-
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			-	<0.038U	-	-	<0.037U	-	-	<0.04U	-	-	<0.05U	-	-	<0.037U	-	-
	NEtFOSAA	µg/kg	0.046			-	<0.051U	-	-	<0.051U	-	-	<0.055U	-	-	<0.069U	-	-	<0.051U	-	-
	NMeFOSAA	µg/kg	0.022			-	<0.025U	-	-	<0.025U	-	-	<0.026U	-	-	<0.033U	-	-	<0.024U	-	-
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			-	<0.041U	-	-	<0.041U	-	-	<0.043U	-	-	<0.055U	-	-	<0.04U	-	-
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			-	<0.049U	-	-	<0.049U	-	-	0.36	-	-	0.11J	-	-	0.058J	-	-
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			-	<0.056U	-	-	<0.056U	-	-	<0.059U	-	-	<0.075U	-	-	<0.055U	-	-
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			-	<0.051U	-	-	<0.051U	-	-	<0.055U	-	-	<0.069U	-	-	<0.051U	-	-
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			-	<0.032U	-	-	<0.032U	-	-	<0.034U	-	-	<0.043U	-	-	<0.032U	-	-
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			-	<0.053U	-	-	<0.052U	-	-	<0.056U	-	-	<0.071U	-	-	<0.052U	-	-
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			-	<0.041U	-	-	<0.041U	-	-	<0.043U	-	-	<0.055U	-	-	<0.04U	-	-
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			-	<0.031U	-	-	<0.031U	-	-	<0.033U	-	-	<0.042U	-	-	<0.031U	-	-
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			-	<0.033U	-	-	<0.033U	-	-	<0.035U	-	-	<0.045U	-	-	<0.033U	-	-
	Heptadecafluorononanoic acid	µg/kg	0.021			-	<0.024U	-	-	<0.024U	-	-	<0.025U	-	-	<0.032U	-	-	<0.023U	-	-
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			-	<0.035U	-	-	<0.035U	-	-	<0.038U	-	-	<0.048U	-	-	<0.035U	-	-
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	-	0.057J	-	-	0.073J	-	-	0.076J	-	-	0.11J	-	-	<0.045U	-	-
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	-	<0.057U	-	-	<0.057U	-	-	<0.06U	-	-	<0.076U	-	-	<0.056U	-	-
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			-	<0.044U	-	-	<0.044U	-	-	<0.047U	-	-	<0.059U	-	-	<0.043U	-	-
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			-	<0.04U	-	-	<0.04U	-	-	<0.042U	-	-	<0.053U	-	-	<0.039U	-	-
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			-	<0.023U	-	-	<0.022U	-	-	<0.024U	-	-	<0.03U	-	-	<0.022U	-	-
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			-	<0.045U	-	-	<0.045U	-	-	<0.048U	-	-	<0.061U	-	-	<0.044U	-	-
	Total PFAS	µg/kg				-	0.456	-	-	0.4705	-	-	0.833	-	-	0.7225	-	-	0.449	-	-

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
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I - Value is EMPC (estimated maximum possible concentration)
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Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A64C	SSHS-IRM5A2-A2-A66A	SSHS-IRM5A2-A2-A66B	SSHS-IRM5A2-A2-A66C	SSHS-IRM5A2-A2-A67A	SSHS-IRM5A2-A2-A67B	SSHS-IRM5A2-A2-A67C	SSHS-IRM5A2-A2-A68A	SSHS-IRM5A2-A2-A68B	SSHS-IRM5A2-A2-A68C	SSHS-IRM5A2-A2-A69A	SSHS-IRM5A2-A2-A69B	SSHS-IRM5A2-A2-A69C	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-A70B
					Sample Name	SSHS-IRM5A2-A2-A64C	SSHS-IRM5A2-A2-A66A	SSHS-IRM5A2-A2-A66B	SSHS-IRM5A2-A2-A66C	SSHS-IRM5A2-A2-A67A	SSHS-IRM5A2-A2-A67B	SSHS-IRM5A2-A2-A67C	SSHS-IRM5A2-A2-A68A	SSHS-IRM5A2-A2-A68B	SSHS-IRM5A2-A2-A68C	SSHS-IRM5A2-A2-A69A	SSHS-IRM5A2-A2-A69B	SSHS-IRM5A2-A2-A69C	SSHS-IRM5A2-A2-A70A	SSHS-IRM5A2-A2-DUP13A	SSHS-IRM5A2-A2-A70B
					Sample Date	1/18/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/8/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/10/2022	2/11/2022	2/11/2022	2/11/2022
					Lab Report	180-132484-2	180-133346-1	180-133346-1	180-133346-2	180-133346-1	180-133346-1	180-133346-2	180-133533-1	180-133533-1	180-133533-2	180-133533-1	180-133533-1	180-133533-2	180-133611-1	180-133611-1	180-133611-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**																
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			<0.03U	-	-	<0.03U	-	-	<0.027U	-	-	<0.028U	-	-	<0.029U	-	-	-
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			<0.038U	-	-	<0.038U	-	-	<0.035U	-	-	<0.036U	-	-	<0.038U	-	-	-
	NEtFOSAA	µg/kg	0.046			<0.052U	-	-	<0.052U	-	-	<0.049U	-	-	<0.05U	-	-	<0.052U	-	-	-
	NMeFOSAA	µg/kg	0.022			<0.025U	-	-	<0.025U	-	-	<0.023U	-	-	<0.024U	-	-	<0.025U	-	-	-
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			<0.042U	-	-	<0.042U	-	-	<0.038U	-	-	<0.039U	-	-	<0.041U	-	-	-
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			0.06J	-	-	<0.05U	-	-	<0.047U	-	-	<0.048U	-	-	<0.05U	-	-	-
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			<0.057U	-	-	<0.057U	-	-	<0.053U	-	-	<0.054U	-	-	<0.057U	-	-	-
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			<0.052U	-	-	<0.052U	-	-	<0.049U	-	-	<0.05U	-	-	<0.052U	-	-	-
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			<0.033U	-	-	<0.033U	-	-	<0.03U	-	-	<0.031U	-	-	<0.033U	-	-	-
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			<0.054U	-	-	<0.054U	-	-	<0.05U	-	-	<0.051U	-	-	<0.053U	-	-	-
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			<0.042U	-	-	<0.042U	-	-	<0.038U	-	-	<0.039U	-	-	<0.041U	-	-	-
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			<0.032U	-	-	<0.032U	-	-	<0.029U	-	-	<0.03U	-	-	<0.032U	-	-	-
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			<0.034U	-	-	<0.034U	-	-	<0.031U	-	-	<0.032U	-	-	<0.034U	-	-	-
	Heptadecafluorononanoic acid	µg/kg	0.021			<0.024U	-	-	<0.024U	-	-	<0.022U	-	-	<0.023U	-	-	<0.024U	-	-	-
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			<0.036U	-	-	<0.036U	-	-	<0.033U	-	-	<0.034U	-	-	<0.036U	-	-	-
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	<0.047U	-	-	<0.047U	-	-	<0.044U	-	-	<0.044U	-	-	0.055J	-	-	-
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	<0.058U	-	-	<0.058U	-	-	<0.054U	-	-	<0.055U	-	-	<0.058U	-	-	-
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			<0.045U	-	-	<0.045U	-	-	<0.041U	-	-	<0.042U	-	-	<0.045U	-	-	-
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			<0.04U	-	-	<0.04U	-	-	<0.037U	-	-	<0.038U	-	-	<0.04U	-	-	-
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			<0.023U	-	-	<0.023U	-	-	<0.021U	-	-	<0.022U	-	-	<0.023U	-	-	-
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			<0.046U	-	-	<0.046U	-	-	<0.042U	-	-	<0.043U	-	-	<0.046U	-	-	-
	Total PFAS	µg/kg				0.465	-	-	<0.86	-	-	<0.793	-	-	<0.813	-	-	0.4595	-	-	-

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
^+ - Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
* - ISTD response or retention time outside acceptable limits
*+ - LCS and/or LCSD is outside acceptance limits, high biased
*1 - LCS/LCSD RPD exceeds control limits
*3 - ISTD response or retention time oustide acceptable limits
E - Exceeds instrument calibration range.
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
I - Value is EMPC (estimated maximum possible concentration)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A70B	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-A94A	SSHS-IRM5A2-A2-A94B	SSHS-IRM5A2-A2-A94C	SSHS-IRM5A2-A2-A95A	SSHS-IRM5A2-A2-A95B	SSHS-IRM5A2-A2-A95C	SSHS-IRM5A2-A2-A96A	SSHS-IRM5A2-A2-A96B	SSHS-IRM5A2-A2-A96C	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-A97B
					Sample Name	SSHS-IRM5A2-A2-DUP13B	SSHS-IRM5A2-A2-A70C	SSHS-IRM5A2-A2-DUP13C	SSHS-IRM5A2-A2-A94A	SSHS-IRM5A2-A2-A94B	SSHS-IRM5A2-A2-A94C	SSHS-IRM5A2-A2-A95A	SSHS-IRM5A2-A2-A95B	SSHS-IRM5A2-A2-A95C	SSHS-IRM5A2-A2-A96A	SSHS-IRM5A2-A2-A96B	SSHS-IRM5A2-A2-A96C	SSHS-IRM5A2-A2-A97A	SSHS-IRM5A2-A2-DUP16A	SSHS-IRM5A2-A2-A97B
					Sample Date	2/11/2022	2/11/2022	2/11/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/8/2022	3/8/2022	3/8/2022
					Lab Report	180-133611-1	180-133611-2	180-133611-2	180-134729-1	180-134729-1	180-134729-2	180-134729-1	180-134729-1	180-134729-2	180-134729-1	180-134729-1	180-134729-2	180-134842-1	180-134842-1	180-134842-1
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**															
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			-	<0.03U	<0.031U	-	-	<0.028U	-	-	<0.028U	-	-	<0.026U	-	-	-
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			-	<0.039U	<0.04U	-	-	<0.036U	-	-	<0.037U	-	-	<0.033U	-	-	-
	NEtFOSAA	µg/kg	0.046			-	<0.053U	<0.054U	-	-	<0.049U	-	-	<0.051U	-	-	<0.046U	-	-	-
	NMeFOSAA	µg/kg	0.022			-	<0.025U	<0.026U	-	-	<0.024U	-	-	<0.024U	-	-	<0.022U	-	-	-
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			-	<0.042U	<0.043U	-	-	<0.039U	-	-	<0.04U	-	-	<0.036U	-	-	-
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			-	<0.051U	<0.052U	-	-	<0.047U	-	-	<0.048U	-	-	<0.044U	-	-	-
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			-	<0.058U	<0.059U	-	-	<0.053U	-	-	<0.055U	-	-	<0.05U	-	-	-
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			-	<0.053U	<0.054U	-	-	<0.049U	-	-	<0.051U	-	-	<0.046U	-	-	-
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			-	<0.033U	<0.034U	-	-	<0.031U	-	-	<0.032U	-	-	<0.029U	-	-	-
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			-	<0.054U	<0.056U	-	-	<0.05U	-	-	<0.052U	-	-	<0.047U	-	-	-
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			-	<0.042U	<0.043U	-	-	<0.039U	-	-	<0.04U	-	-	<0.036U	-	-	-
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			-	<0.032U	<0.033U	-	-	<0.03U	-	-	<0.031U	-	-	<0.028U	-	-	-
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			-	<0.034U	<0.035U	-	-	<0.032U	-	-	<0.033U	-	-	<0.03U	-	-	-
	Heptadecafluorononanoic acid	µg/kg	0.021			-	<0.024U	<0.025U	-	-	<0.023U	-	-	<0.023U	-	-	<0.021U	-	-	-
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			-	<0.037U	<0.037U	-	-	<0.034U	-	-	<0.035U	-	-	<0.032U	-	-	-
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	-	0.12J,I	0.11J,I	-	-	<0.044U	-	-	0.073J	-	-	0.1J	-	-	-
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	-	<0.059U	<0.06U	-	-	<0.054U	-	-	<0.056U	-	-	<0.051U	-	-	-
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			-	<0.045U	<0.046U	-	-	<0.042U	-	-	<0.043U	-	-	<0.039U	-	-	-
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			-	<0.041U	<0.042U	-	-	<0.038U	-	-	<0.039U	-	-	<0.035U	-	-	-
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			-	<0.023U	<0.024U	-	-	<0.022U	-	-	<0.022U	-	-	<0.02U	-	-	-
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			-	<0.047U	<0.048U	-	-	<0.043U	-	-	<0.044U	-	-	<0.04U	-	-	-
	Total PFAS	µg/kg				-	0.531	0.531	-	-	<0.807	-	-	0.465	-	-	0.4555	-	-	-

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
^+ - Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
* - ISTD response or retention time outside acceptable limits
*+ - LCS and/or LCSD is outside acceptance limits, high biased
*1 - LCS/LCSD RPD exceeds control limits
*3 - ISTD response or retention time oustide acceptable limits
E - Exceeds instrument calibration range.
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
I - Value is EMPC (estimated maximum possible concentration)
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

Table 1
Reuse Data Summary
Former Sperry Remington - North Portion
Elmira, NY

					Pile Name	SSHS-IRM5A2-A2-A97B	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-A98A	SSHS-IRM5A2-A2-A98B	SSHS-IRM5A2-A2-A98C	SSHS-IRM5A2-A2-A99A	SSHS-IRM5A2-A2-A99B	SSHS-IRM5A2-A2-A99C	SSHS-IRM5A2-A2-A100A	SSHS-IRM5A2-A2-A100B	SSHS-IRM5A2-A2-A100C
					Sample Name	SSHS-IRM5A2-A2-DUP16B	SSHS-IRM5A2-A2-A97C	SSHS-IRM5A2-A2-DUP16C	SSHS-IRM5A2-A2-A98A	SSHS-IRM5A2-A2-A98B	SSHS-IRM5A2-A2-A98C	SSHS-IRM5A2-A2-A99A	SSHS-IRM5A2-A2-A99B	SSHS-IRM5A2-A2-A99C	SSHS-IRM5A2-A2-A100A	SSHS-IRM5A2-A2-A100B	SSHS-IRM5A2-A2-A100C
					Sample Date	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022
					Lab Report	180-134842-1	180-134842-2	180-134842-2	180-134842-1	180-134842-1	180-134842-2	180-134842-1	180-134842-1	180-134842-2	180-134842-1	180-134842-1	180-134842-2
Chemical Group	**Chemical Name**	**Units**	**EQL**	**20x TCLP**	**DER-10 App5 Rest. Res.**												
PFAS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	µg/kg	0.026			-	<0.026U	<0.027U	-	-	<0.028U	-	-	<0.026U	-	-	<0.027U
	8:2-Fluorotelomersulfonic acid	µg/kg	0.033			-	<0.034U	<0.035U	-	-	<0.036U	-	-	<0.034U	-	-	<0.034U
	NEtFOSAA	µg/kg	0.046			-	<0.047U	<0.048U	-	-	<0.049U	-	-	<0.046U	-	-	<0.047U
	NMeFOSAA	µg/kg	0.022			-	<0.022U	<0.023U	-	-	<0.024U	-	-	<0.022U	-	-	<0.023U
	Perfluorobutanesulfonic acid (PFBS)	µg/kg	0.036			-	<0.037U	<0.038U	-	-	<0.039U	-	-	<0.037U	-	-	<0.037U
	Perfluorobutanoic acid (PFBA)	µg/kg	0.044			-	<0.045U	<0.046U	-	-	<0.047U	-	-	0.045J	-	-	<0.045U
	Perfluorodecanesulfonic acid (PFDS)	µg/kg	0.05			-	<0.05U	<0.052U	-	-	<0.053U	-	-	<0.05U	-	-	<0.051U
	Perfluorodecanoic acid (PFDA)	µg/kg	0.046			-	<0.047U	<0.048U	-	-	<0.049U	-	-	<0.046U	-	-	<0.047U
	Perfluorododecanoic acid (PFDoA)	µg/kg	0.029			-	<0.029U	<0.03U	-	-	<0.031U	-	-	<0.029U	-	-	<0.029U
	Perfluoroheptanesulfonic acid (PFHxS)	µg/kg	0.047			-	<0.048U	<0.049U	-	-	<0.05U	-	-	<0.047U	-	-	<0.048U
	Perfluoroheptanoic acid (PFHpA)	µg/kg	0.036			-	<0.037U	<0.038U	-	-	<0.039U	-	-	<0.037U	-	-	<0.037U
	Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.028			-	<0.028U	<0.029U	-	-	<0.03U	-	-	<0.028U	-	-	<0.028U
	Perfluorohexanoic acid (PFxA)	µg/kg	0.03			-	<0.03U	<0.031U	-	-	<0.032U	-	-	<0.03U	-	-	<0.03U
	Heptadecafluorononanoic acid	µg/kg	0.021			-	<0.021U	<0.022U	-	-	<0.023U	-	-	<0.021U	-	-	<0.022U
	Perfluorooctanesulfonamide (FOSA)	µg/kg	0.032			-	<0.032U	<0.033U	-	-	<0.034U	-	-	<0.032U	-	-	<0.032U
	Perfluorooctanesulfonic acid (PFOS)	µg/kg	0.042		3.7	-	<0.042U	<0.043U	-	-	0.064J	-	-	0.22	-	-	0.11J
	Perfluorooctanoic acid (PFOA)	µg/kg	0.051		1.1	-	<0.051U	<0.053U	-	-	<0.054U	-	-	<0.051U	-	-	<0.052U
	Perfluoropentanoic acid (PFTeA)	µg/kg	0.039			-	<0.04U	<0.041U	-	-	<0.042U	-	-	<0.04U	-	-	<0.04U
	Perfluorotetradecanoic acid (PFPeA)	µg/kg	0.035			-	<0.036U	<0.037U	-	-	<0.038U	-	-	<0.036U	-	-	<0.036U
	Perfluorotridecanoic acid (PFTriA)	µg/kg	0.02			-	<0.02U	<0.021U	-	-	<0.022U	-	-	<0.02U	-	-	<0.021U
	Perfluoroundecanoic acid (PFUnA)	µg/kg	0.04			-	<0.041U	<0.042U	-	-	<0.043U	-	-	<0.041U	-	-	<0.041U
	Total PFAS	µg/kg				-	<0.763	<0.786	-	-	0.4455	-	-	0.6015	-	-	0.4735

Notes:
EQL - Estimated Quantitation Limit
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
PAH - Polycyclic Aromatic Hydrocarbons
PFAS - Per- and Polyfluoroalkyl Substances
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U - non detect at the value indicated
Analyte concentrations detected above DER-10 App5 Restricted Residential Screening Criteria are presented in light gray
Analyte concentrations detected above 20x TCLP are presented in dark gray

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Wednesday, June 15, 2022 7:50 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>
Subject: FW: UPDATE: #23953 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal - Tonnage Increase and Expiration Extension

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic.

This expiration is 7/1/2022, updated May 19th.

From: Special Waste
Sent: Thursday, May 19, 2022 12:38 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23953 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal - Tonnage Increase and Expiration Extension

Note To Customer/Landfill: Additional 200 tons of concrete from Area 5-Vault 1 are approved for disposal (total approved-to-date = 7,200 tons). The concrete/cinderblock, interior contents, and small amount of surrounding soils are representative of attached analytical.

Note: Expiration Extended to 7/1/2022.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Thursday, April 14, 2022 3:10 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>

Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23953 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal - Tonnage Increase

Note To Customer/Landfill: Additional 1,500 tons of concrete (500 tons) and debris (1,000 tons) approved for DISPOSAL (total approved-to-date = 7,000 tons). Concrete vault uncovered during excavation of Area 2. Concrete is not painted, or coated and came in contact with the soil in the vicinity of the attached soil analysis.

All Other Conditions Apply.

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, March 2, 2022 1:58 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23953 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal

Note To Customer/Landfill: Additional 2,000 ton of concrete approved for disposal (total approved-to-date = 5,500 tons). Concrete was removed from the area shown on the attached site map. Concrete is not painted, or coated and came in contact with the soil represented by the following sample IDs approved under Profile #23938: Reuse Samples A50, A51, A52 and Non-Haz Samples IRM5A2-NH43 and NH44 are representative of soils excavated surrounding these pillars.

UPDATE: Additional Approved Transporter K&L Trucking Inc.

All Other Conditions Apply.

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736

Learn more at casella.com

From: Special Waste <Special.Waste@casella.com>
Sent: Wednesday, February 16, 2022 9:42 AM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'terry.etter@unisys.com' <terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Tim Oknefski <tim.oknefski@casella.com>
Subject: UPDATE: #23953 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal - Tonnage Increase

Note To Customer/Landfill: Additional 1,000 ton of concrete approved for disposal (total approved-to-date = 3,500 tons). Concrete was removed from the area shown on the attached site map. Concrete is not painted, or coated and came in contact with the soil in the vicinity of the attached soil analysis.

All Other Conditions Apply.

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736

Learn more at casella.com

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, January 7, 2022 2:09 PM
To: 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Ian Masone' <IMasone@Geosyntec.com>; 'terry.etter@unisys.com'

<terry.etter@unisys.com>; 'Larry Endicott' <larry.endicott@reconservices.com>; 'Michael Furlong' <michael.furlong@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Stern <joshua.stern@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Russell Anderson <russell.anderson@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #23953 - Hyland; Unisys Corporation (Remedial Construction Services), 777 S. Main Street, Elmira, NY - IRM 5A1 & 2 Asphalt, Concrete and Debris for Disposal

Note To Customer/Landfill: This approval includes 2,500 tons of concrete and land-clearing debris. Site plan indicates the origin of the concrete within Area 1, 4-6' bgs reuse excavation. Due to the reuse material quality all piles were approved and shipped to Casella as non-hazardous waste. Although the concrete was not tested, the approved reuse piles as non-hazardous material are representative of the concrete waste. Attached SWCP anticipates 6,000 tons of material from IRM 5A2 phase, additional volume will be approved as analysis is provided.

The additional tonnage, as reflected on the site plan, was also from debris/cinderblock/concrete during demolition operations associated with dugouts, light poles, land clearing debris (above ground for ENS controls), and walls.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Concrete/Asphalt must be less than 3 ft x 3 ft and no protruding wire or rebar. Any wood poles or trees no larger than 4 ft length.

Note To Customer: Please ensure the manifest includes: waste description [PCB Contaminated Conc and Land Clearing Debris], **Source Area/Stockpile** [IRM 5A2], intended use [Disposal] and Profile # [#23953].

Remediation Area or Stockpile	Approval Date	Volume (Tons)	Approved Use
IRM 5A2 Concrete	**5/17/2022**	**200**	**Disposal**
IRM 5A2 Concrete and Debris	4/14/2022	1,500	Disposal
IRM 5A2 Concrete	3/2/2022	2,000	Disposal
IRM 5A2 Concrete	2/16/2022	1,000	Disposal
IRM 5A1 & 2 Concrete and Debris	1/7/2022	2,500	Disposal
Total Project Tons		7,200 Tons	

Profile #23953 – Approval for DISPOSAL (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Leon Lacy, Inc., and Butler Maybee Enterprises, Inc. Excavating and Concrete, LLC L and V Smith, Inc. K&L Trucking
Customer:	Remedial Construction Services (ReCon)
Material/Description:	<50ppm Non-TSCA PCB Asphalt, Concrete and Debris from IRM 5A1&2
Classification:	Contaminated Debris / Disposal
Quantity:	**See Table Above**
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	**7/1/2022**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Approval is Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | toll free: 855.379.2783 | f. 802.419.3736

Learn more at casella.com

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the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this e-mail in error, please notify the sender immediately by telephone at +1 802-224-0108.

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☑ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 3199 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title: Project Manager
Phone: 651-635-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services
Billing Address: 9911 Sam Houston Pkwy Suite 100
City: Houston State: Texas ZIP Code: 77064
Contact Name: Larry Endicott Title: Senior Project Manager
Phone: 609-357-8470 Fax: _____ Email: larry.endicott@reconservices.com

IV. Consultant/Representative

Company Name: B & B Engineers & Geologists of New York, P.C.
Contact Name: Aron Krasnopoler, PE Title: Senior Engineer
Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity

48,000 TRE 7/20/22

☑ ***One-Time Event*** or ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~38,000~~ ☑ Tons ☐ Cubic Yards ☐ Other: _____
Density of Waste (Approximate): 3,000 Pounds/Cubic Yard
Delivery Vehicle: ☑ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____
Hauler Name: Various Part 364 Licensed Transporters
Mailing Address: _____ Phone: _____
Transporter Permit #: _____ (for State of Disposal)
Previous Disposal Facility (Name): Hyland Landfill
Application Was Submitted to/Approved by Another Disposal Facility (Name): Hyland Landfill

VI. Waste Stream Information

Common Waste Name: PCB Remediation Soil from Non-Hazardous Material Storage Area (MSA)
Location or Address of Waste Generation Site: 777 South Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Site is former Sperry Remington site - northern portion (NYSDEC Site #c808022). Sperry Remington operated a typewriter plant at the site from 1937 - 1972. Manufacturing operations included: coal fired power plant, foundry, oil water separators, cyanide heat treating, parts machining, plating and degreasing.

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Soil managed under this Profile # is the result of decommissioning the non-hazardous soil Material Storage Area (MSA) from the Northern Athletic Field (NFA)

Describe all hazardous or nuisance properties associated with the waste:

none

Describe any special handling or disposal procedures:

none

Consistency at 70°F: ■ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ■ No

Reactive (per 40 CFR 261.23): ☐ Yes ■ No

Free Liquids: ☐ Yes ■ No

% Solids: 90 - 100%

Odor: None

pH Range: 6 - 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ■ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ■ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ■ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ■ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

■ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Some samples collected in this area were not analyzed for herbicides and pesticides. Based on generator knowledge, herbicides and pesticides are not contaminates of concern.

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter Terry Etter

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: 4/29/22 7/20/22

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab 59+ Composite

Sample Source: ____ Boring(s) X Test Pit(s) X Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182 Pittsburgh / 10975 Canton

Applicable Laboratory Report ID #'s: See Attached Data Tabulation Summary

Minimum Requirements

- ☑ TCLP RCRA 8 Metals
- ☑ TCLP Volatile Organic Compounds (VOCs)
- ☑ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☑ TCLP Herbicides Some Samples
- ☑ TCLP Pesticides Some Samples
- ☑ Reactive Sulfide
- ☑ Reactive Cyanide
- ☑ Total PCBs
- ☑ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☑ Corrosivity by pH
- ☑ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Some samples collected in this area were not analyzed for herbicides and pesticides. Based on generator knowledge, herbicides and pesticides are not contaminates of concern.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, April 8, 2022 5:33 PM
To: Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Lawrence Endicott <larry.endicott@keller-na.com>; scott.sutton@keller-na.com; Kyle Cunningham <kyle.cunningham@reconservices.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; Edward Lopez <edward.lopez@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #24374 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM 5A2 - Northern Athletic Field (NAF) Contaminated Soil for ADC

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Note To Customer/Landfill: **Approval for 27,500 tons of soil from IRM 5A2 - Northern Athletic Field (NAF) represented by attached site plan and representative analytical.** Soil samples were collected in-situ from depths from 0 – 2ft, 2-4 ft and 4 – 6 ft. If any discoloration, staining, odors or elevated VOCs by PID meter are observed during excavation, additional sampling may be needed. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the manifest includes: waste description **[PCB Contaminated Soil**], **Source Area** [**IRM 5A2-NAF**], intended use [**ADC**] and Profile **[#24374**]

Summary of Unisys Soil Results from Test Pit Samples Collected In-Situ IRM 5A2 - Northern Athletic Field (NAF) Refer to GeoSyntec Figure 1 -3 (June 2021) for Grid Delineation					
IRM 5A2 Grid Sample ID	Depth	Volume (Tons)	Lab Rpt #	PCBs (mg/kg)	Approval Date
IRM5A2 - A6 - A	0 - 2 ft	500	180-125207-1	2.90	4/8/2022
IRM5A2 - B2 - A	0 - 2 ft	500	180-125254-1	0.15	4/8/2022
IRM5A2 - B6 - A	0 - 2 ft	500	180-125207-1	15.30	4/8/2022
IRM 5A2 - C6 - A	0 - 2 ft	500	180-125207-1	1.12	4/8/2022
IRM5A2 - D1 - A	0 - 2 ft	500	180-125254-1	0.20	4/8/2022
IRM5A2 - D1 - B	2 - 4 ft	500	180-125254-1	0.47	4/8/2022
IRM5A2 - D6 - A	0 - 2 ft	500	180-125207-1	3.80	4/8/2022
IRM5A2 - D7 - A	0 - 2 ft	500	180-125207-1	1.97	4/8/2022
IRM5A2 - E1 - A	0 - 2 ft	500	180-125207-1	1.36	4/8/2022
IRM5A2 - E1 - B	2 - 4 ft	500	180-125207-1	0.35	4/8/2022
IRM5A2 - E1 - C	4 - 6 ft	500	180-125207-1	0.33	4/8/2022
IRM5A2 - E2 - A	0 - 2 ft	500	180-125207-1	1.35	4/8/2022
IRM5A2 - E2 - B	2 - 4 ft	500	180-125207-1	0.21	4/8/2022
IRM5A2 - E2 - C	4 - 6 ft	500	180-125207-1	0.48	4/8/2022
IRM5A2 - E3 - A	0 - 2 ft	500	180-125207-1	0.11	4/8/2022
IRM5A2 - E3 - B	2 - 4 ft	500	180-125207-1	0.21	4/8/2022
IRM5A2 - E3 - C	4 - 6 ft	500	180-125207-1	0.72	4/8/2022
IRM5A2 - E4 - A	0 - 2 ft	500	180-125207-1	0.17	4/8/2022
IRM5A2 - E4 - B	2 - 4 ft	500	180-125207-1	0.10	4/8/2022
IRM5A2 - E5 - A	0 - 2ft	500	180-125254-1	0.14	4/8/2022
IRM5A2 - E5 - B	2 - 4 ft	500	180-125254-1	0.18	4/8/2022
IRM5A2 - E6 - A	0 - 2 ft	500	180-125254-1	1.49	4/8/2022
IRM5A2 - E6 - B	2 - 4 ft	500	180-125254-1	0.46	4/8/2022
IRM5A2 - F1 - A	0 - 2 ft	500	180-125206-1	0.15	4/8/2022
IRM5A2 - F1 - B	2 - 4 ft	500	180-125206-1	0.10	4/8/2022
IRM5A2 - F1 - C	4 - 6 ft	500	180-125206-1	0.00	4/8/2022
IRM5A2 - F2 - A	0 - 2 ft	500	180-125206-1	0.16	4/8/2022
IRM5A2 - F2 - B	2 - 4 ft	500	180-125206-1	0.15	4/8/2022
IRM5A2 - F2 - C	4 - 6 ft	500	180-125206-1	0.18	4/8/2022
IRM5A2 - F3 - A	0 - 2 ft	500	180-125207-1	1.97	4/8/2022
IRM5A2 - F3 - B	2 - 4 ft	500	180-125207-1	4.27	4/8/2022
IRM5A2 - F3 - C	4 - 6 ft	500	180-125207-1	0.50	4/8/2022
IRM5A2 - F5 - A	0 - 2 ft	500	180-125207-1	1.40	4/8/2022
IRM5A2 - F5 - B	2 - 4 ft	500	180-125207-1	0.24	4/8/2022
IRM5A2 - F6 - A	0 - 2 ft	500	180-125207-1	0.72	4/8/2022
IRM5A2 - F6 - B	2 - 4 ft	500	180-125207-1	0.28	4/8/2022
IRM5A2 - F7 - A	0 - 2 ft	500	180-125207-1	0.00	4/8/2022
IRM5A2 - G1 - A	0 - 2 ft	500	180-125254-1	0.67	4/8/2022
IRM5A2 - G1 - B	2 - 4 ft	500	180-125254-1	0.20	4/8/2022
IRM5A2 - G1 - C	4 - 6 ft	500	180-125254-1	0.21	4/8/2022
IRM5A2 - G3 - A	0 - 2 ft	500	180-125254-1	5.07	4/8/2022
IRM5A2 - G4 - A	0 - 2 ft	500	180-125254-1	0.26	4/8/2022
IRM5A2 - G5 - A	0 - 2 ft	500	180-125165-1	0.02	4/8/2022
IRM5A2 - G6 - A	0 - 2 ft	500	180-125165-1	0.22	4/8/2022
IRM5A2 - G6 - B	2 - 4 ft	500	180-125165-1	1.29	4/8/2022
IRM5A2 - H3 - A	0 - 2 ft	500	180-124533-1	0.77	4/8/2022
IRM5A2 - H4 - A	0 - 2 ft	500	180-124533-1	0.18	4/8/2022
IRM5A2 - H5 - A	0 - 2 ft	500	180-124533-1	0.17	4/8/2022
IRM5A2 - I4 - A	0 - 2 ft	500	180-125406-1	0.40	4/8/2022
IRM5A2 - I5 - A	0 - 2 ft	500	180-124533-1	0.04	4/8/2022
IRM5A2 - I7 - A	0 - 2 ft	500	180-124533-1	0.06	4/8/2022
IRM5A2 - J4 - A	0 - 2 ft	500	180-125406-1	0.17	4/8/2022
IRM5A2 - J5 - A	0 - 2 ft	500	180-124533-1	0.00	4/8/2022
IRM5A2 - K4 - A	0 - 2 ft	500	180-125406-1	0.41	4/8/2022
IRM5A2 - K5 - A	0 - 2 ft	500	180-124533-1	0.00	4/8/2022
Total Volume:		27,500	Tons		

Profile #24374 – Approval for ADC (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Leon Lacy, Inc., and Butler Maybee Enterprises, Inc. Excavating and Concrete, LLC L and V Smith, Inc. Trucking KA Transport Edger Enterprises Edger Civil K&L Trucking
Customer:	Remedial Construction Services (ReCon)
Material/Description:	<50ppm Non-TSCA PCB contaminated soil from IRM 5A2 (In-Situ Samples) From the Northern Athletic Field (NAF)
Classification:	Contaminated Soil / ADC
Quantity:	27,500 tons
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	**7/1/2022**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Approval is Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | toll free: 855.379.2783 | f. 802.419.3736

Learn more at casella.com
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Special Waste Characterization Profile

#30409
5/15/2023

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☐ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 1399 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title:
Phone: 651-212-7253 Fax: Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services, LP Keller
Billing Address: 9977 Sam Houston
City: Houston State: TX ZIP Code: 77064
Contact Name: Larry Endicott Title:
Phone: (609) 357-8470 Fax: Email: larry.endicott@keller-na.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologist of New York, PC
Contact Name: Aron Krasnopoler Title: Senior Engineer
Phone: 410-381-4333 Fax: Email: akrasnopoler@geosyntec.com

TRE 5/15/23

Representative Analysis and Site Plan for additional tonnage (2,500 tons) provided

V. Delivery and Quantity 2,700

☑ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~200~~ ☑ Tons ☐ Cubic Yards ☐ Other: _____
Density of Waste (Approximate): 3,800 Pounds/Cubic Yard
Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____
Hauler Name: Multiple Haulers
Mailing Address: Various Addresses Phone:
Transporter Permit #: NYS Part 364 Permitted - copies of permits provided (for State of Disposal)
Previous Disposal Facility (Name): Not Applicable
Application Was Submitted to/Approved by Another Disposal Facility (Name): Not Applicable

VI. Waste Stream Information

Common Waste Name: ReGrading Soil from IRM 5A2 and Utility Excavations for Northern Athletic Field (NAF) Restoration
Location or Address of Waste Generation Site: 777 S. Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☑ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Former Sperry Remington Site- North Portion (NYSDEC #c80 8022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 19 47-19 72. Manufacturing operations/features included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining and assembly of parts, plating, degreasing. Soil generated from regrading in IRM 5A2, see attached Figures and Process Description.

b. Waste Description ☑ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Waste is uniform in nature with no detectable discoloration or odor. Representative Soil Sample IDs are listed on the attached summary. See attached Process Description.

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☑ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ■ No

Reactive (per 40 CFR 261.23): ☐ Yes ■ No

Free Liquids: ☐ Yes ■ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ■ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ■ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ■ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ■ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☑ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Unisys has made a good faith effort to determine if the source of the contaminates through historical records review of relevant available documents. Unisys was unsuccessful in determining the specific source of the contaminants as listed wastes and therefore conclude the contaminated media is from an unknown source. Analytical data provided.

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter Terry Etter

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: 4/14/2023 5/15/23 TRE

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab X Composite

Sample Source: X Boring(s) ____ Test Pit(s) ____ Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☑ TCLP RCRA 8 Metals
- ☑ TCLP Volatile Organic Compounds (VOCs)
- ☑ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☐ TCLP Herbicides
- ☐ TCLP Pesticides
- * ☐ Reactive Sulfide
- ☐ Reactive Cyanide
- ☑ Total PCBs
- ☐ % Solids (Moisture Content)
- * ☐ Free Liquids (Paint Filter)
- ☐ Corrosivity by pH
- ☐ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

* See Generator Knowledge Statement in Lieu of Testing

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Based on generator knowledge, an analytical testing waiver for Reactivity, Herbicides, Pesticides, Corrosivity, Ignitability and pyridine is requested. These parameters are not constituents of concern for the soil included in this request. Analysis for herbicides, pesticides, corrosivity, ignitability, reactivity, and SVOCs (including pyridine) as part of remedial investigation activities in this area did not have detections that included characteristic waste. Therefore, waste characterization analysis for these parameters is not needed. The soil is not reactive per 40 CFR 261.23, it is not corrosive per 40 CFR 261.22 and it is not ignitable per 40 CFR 261.21. Some representative samples did not include VOC analysis for toxicity characteristic parameters based on generator knowledge and RI data, these are not contaminants of concern for the soil included in this request.

1 VT only
2 PA only
3 ME only

From: Special Waste <Special.Waste@casella.com>
Sent: Monday, May 22, 2023 6:21 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Don Trego <DTrego@Geosyntec.com>; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Edward Lopez <edward.lopez@casella.com>; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #30409 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 2 Re-Grading Soil for Disposal - Tonnage Increase

UPDATE: Approved for an additional 2,400 tons to include additional area as identified on attached site plan and represented by attached analysis. **Total Approved Project Tonnage = 2,600 tons.**

NOTE TO CUST/GEN: Soil represented by **Samples A6-S425, A6-B432, A6-B212 is NOT acceptable and must be segregated for alternate disposal.**

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Thursday, May 4, 2023 9:24 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'dtrego@geosyntec.com' <DTrego@Geosyntec.com>; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; 'Colin Lamas' <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman

<michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>; Special Waste <Special.Waste@casella.com>
Subject: UPDATE: #30409 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 2 Re-Grading Soil for Disposal - Tonnage Increase

UPDATE: Quantity was underestimated, analysis provided is representative of an additional 100 tons. **Total Approved Project Tonnage = 200 tons.**

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Special Waste
Sent: Friday, April 14, 2023 1:20 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #30409 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 2 Re-Grading Soil for Disposal

Note To Customer: Approval for 100 tons of soil from sample locations included on attached Figure 1 and Figure 4 and represented by analytical data for IRM 5A2 Addendum 8 Phase 2 Area A, B, C, D and E **only**. All loads must be delivered with a manifest and include: waste description **[Contaminated Soil]**, Source Area [**IRM 5A2 Addendum 8 Phase 2 Re-Grading**], intended use [**DISPOSAL**] and Profile **[#30409]**

Profile #30409 – Approval for DISPOSAL (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Silverole Trucking LV Smith K&L Trucking KA Transport
Customer:	Remedial Construction Services (ReCon)
Material/Description:	Contaminated Soil from Re-Grading IRM5A2 Addendum 8 Phase 2
Classification:	Industrial / Disposal
Quantity:	~~100 tons~~ ~~200 tons~~ **2,600 tons**
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	**7/14/2023**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson
- NYSDEC Region 8 Approval Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
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e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
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Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						PCBs													
						PCBs	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aluminum	Antimony	Arsenic	Barium
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						10												100	2000
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	0.15	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.018	0.019	0.0081 J	< 0.018 U	< 0.018 U	8100	0.46 J	7.7	84
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	6200	0.51 J	8.6	40
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.18	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.024	0.028	0.018	< 0.018 U	< 0.018 U	2700	1.4	7.9	130
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	6700	0.43 J	6.2	36
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.27	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.055	0.064	0.046	< 0.017 U	< 0.017 U	5400	1.2	8.8	140
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	0.15	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.012 J	0.0099 J	< 0.019 U	< 0.019 U	6500	0.69 J	5.6	59
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	0.15	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.01 J	< 0.018 U	< 0.018 U	< 0.018 U	5400	0.93 J	7.9	130
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	0.15	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.0095 J	< 0.018 U	< 0.018 U	< 0.018 U	6100	0.89	7.5	75
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	0.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	6500	0.34 J	6.5	29
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	0.19	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.04	0.026	< 0.017 U	< 0.017 U	< 0.017 U	3500	< 0.75 U	3.0	21
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4400	< 1.8 U	4.0	22
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.19	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	4100	0.42 J	7.7	200
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.18	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	8500	0.74 J	12	130
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.37	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.23	< 0.018 U	< 0.018 U	< 0.018 U	5600	< 1.0 U	5.6	55
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	7400	< 1.9 U	5.9	43
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	6400	0.54 J	6.7	69
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.26	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.12	< 0.018 U	< 0.018 U	< 0.018 U	9300	0.42 J	8.1	110
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	7600	< 1.8 U	10	76
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	6100	< 1.9 U	12	230
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.98	< 0.022 U	< 0.022 U	< 0.022 U	< 0.022 U	0.58	0.23	0.04	< 0.022 U	< 0.022 U	9600	< 2.6 U	8.0	110
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.47	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.25	0.089	0.012 J	< 0.02 U	< 0.02 U	9700	< 2.4 U	6.3	110
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.38	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	0.18	0.068	0.0094 J	< 0.02 U	< 0.02 U	9600	< 2.4 U	6.3	110
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	3400	0.61 J	7.9	100
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	0.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	4200	0.41 J	5.9	110
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.18	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	7500	< 2.2 UT	8.1	91
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.18	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	6900	0.51 J	6.5	88
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	**1.44**	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	1.3	< 0.018 U	< 0.018 U	< 0.018 U	7400	0.35 J	8.6	120
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	0.18	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.032	< 0.018 U	< 0.018 U	< 0.018 U	9100	0.52 J	6.7	78
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.19	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	< 0.021 U	8500	< 1.2 U	4.4	69
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.21	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	11000	< 1.3 U	6.9	65
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	12000	0.35 J	7.3	44
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	0.18	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.03	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	3800	< 0.86 U	3.1	25
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	0.19	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.041	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	4200	< 0.77 U	3.4	26
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	0.26	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.065	0.061	< 0.019 U	< 0.019 U	< 0.019 U	7700	< 1.1 U	8.8	91
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	0.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	8900	0.45 J	7.2	79
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.014 J	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4400	< 0.82 U	3.2	27
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	5800	< 1.0 U	4.5	46
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.0097 J	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	5500	< 0.95 U	5.1	26
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	7000	< 0.87 U	6.7	36
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	8100	< 0.79 U	4.2	41
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	7400	< 0.85 U	5.3	38
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	7400	< 0.97 U	6.6	61
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	7600	< 0.94 U	6.3	47
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	0.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	6500	< 0.90 U	6.2	59
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	3900	< 1.0 U	2.9	23
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.18	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	9300	< 1.2 U	4.8	100
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	**1.10**	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.96	< 0.017 U	< 0.017 U	< 0.017 U	5400	< 0.83 U	6.0	43
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.30	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	0.097	0.081	< 0.018 U	< 0.018 U	< 0.018 U	5000	< 0.76 U	5.9	43
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4600	< 0.76 U	3.2	36
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4100	< 0.77 U	3.1	32
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4900	< 0.82 U	3.3	34
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4900	< 0.86 U	3.0	25
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4100	< 0.87 UT	3.0	35
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	0.16	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.024	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	3200	< 0.64 UT	2.8 T	30 T
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	4700	< 0.81 U	3.5	38
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	0.19	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	0.048	0.026	< 0.017 U	< 0.017 U	< 0.017 U	4300	< 0.91 U	4.6	36

Table 1
Scraping Area IG Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						Metals												
						Beryllium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium (III+VI) mg/kg	Cobalt mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg	Manganese mg/kg	Mercury mg/kg	Nickel mg/kg	Potassium mg/kg	Selenium mg/kg
20x TCLP RCRA Tox							20		100				100			4			20
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	0.40 J	0.18 J	11000	12	6.4	32	20000	58	2900	290	0.056	17	720	< 1.0 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	0.26 J	0.091 J	3300	8.7	6.0	20	16000 B	9.7	2700	380	< 0.030 U	15	670	< 0.98 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.29 J	0.13 J	3200	13	3.9 J	65	28000	43	650	87	0.11	15	520	1.7
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	0.28 J	< 0.44 U	750	7.3	5.5	18	14000	9.6	1800	350	0.024 J	14	560	< 0.88 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.34 J	0.23 J	7600	19	6.0	89	19000	71	2300	250	0.059	24	520	1.1
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	0.61	0.17 J	1600	11	8.0	54	15000	32	1600	380	0.078	26	400 J	0.51 J
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	0.37 J	0.13 J	7600	12	5.4	56	22000	41	2800	210	0.079	17	520	1.1
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	0.33 J	0.095 J	2000	11	5.1	53	16000	54	1400	250	0.070	15	480	< 0.87 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	0.27 J	< 0.53 U	650	7.4	5.6	16	13000	7.5	1800	290	0.028	13	580	< 1.1 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	0.14 J	< 0.37 U	15000	5.6	2.9 J	10	8900	11	5500	200 B	0.16	7.5	440	< 0.75 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	0.12 J	0.070 J	45000	6.2	5.0	17	11000	6.3	3100	280	< 0.094 U	12	480	< 1.8 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.45 J	< 0.59 U	4000	9.4	4.6 J	40	26000	91	1100	90	0.092	15	570 J	1.1 J
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.52	< 0.52 U	2500	18	3.4 J	45	24000	41	750	80	0.073	12	2300	2.2
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.27 J	0.18 J	1200	9.3	5.3	30	16000	34	1300	250	0.12	15	470 J	0.61 J
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	0.33 J	0.063 J	930	9.3	7.7	20	17000	7.6	2000	700	0.024 J	16	530	< 1.9 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	0.28 J	< 0.48 U	1400	8.0	4.2 J	22	16000 B	36	1300	310	0.13	9.7	510	0.76 J
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.43 J	0.15 J	2300	20	7.7	74	20000	96	1900	680	0.096 J	41	580	< 2.1 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.34 J	0.14 J	1700	9.4	5.9	33	15000	49	1800	460	0.096 J	15	570	< 1.8 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	0.58	0.73	29000	9.1	6.4	38	19000	79	930	470	0.10	22	770	1.1 J
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.41 J	0.22 J	14000	23	9.2	28	21000	42	3300	530	0.13	28	980	< 2.6 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.49 J	0.14 J	2800	18	9.0	16	19000	21	2800	540	0.10 J	22	830	< 2.4 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.49 J	0.17 J	2500	20	9.1	16	19000	28	2700	540	0.17	22	830	< 2.4 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.36 J	< 0.49 U	490	8.0	4.2 J	28	24000	82	580	140	0.085	11	610	1.4
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	0.35 J	0.077 J	980	7.6	4.0 J	20	33000 B	43	710	170	0.061	12	460	0.79 J
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.41 J	0.18 J	2200	10	5.9	38	15000	64 T	1600	390	0.13 J	17	640	0.61 J
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.37 J	0.28 J	1500	13	5.5	66	16000	63	1600	310	0.063 J	27	550	< 2.1 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.37 J	0.20 J	2800	41	6.6	130	23000	140	1800	450	0.15	52	510	0.47 J
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	0.40 J	0.094 J	3300	12	8.3	27	20000	33	2600	370	0.080 J	21	710	< 1.8 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.31 J	< 0.61 U	1100	9.1	5.0 J	17	14000	14	1800	330	< 0.040 U	12	500 J	< 1.2 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.44 J	< 0.64 U	1000	12	8.0	15	20000	17	2600	350	< 0.042 U	16	760	< 1.3 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	0.46	< 0.53 U	530	12	7.7	23	19000	11	2500	470	0.021 J	17	800	< 1.1 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	0.14 J	< 0.43 U	7700	4.8	3.3 J	14	9900	4.9	2900	130	< 0.028 U	8.5	360 J	< 0.86 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	0.14 J	0.067 J	38000	5.0	3.7 J	12	9800	6.1	6700	280	< 0.028 U	10	350 J	0.72 J
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	0.39 J	0.21 J	4900	27	8.3	350	27000	65	2900	480	0.053	180	710	0.70 J
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	0.42 J	0.42 J	1500	26	8.5	1300	23000	45	2300	480	0.047 J	88	610	< 2.0 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	0.17 J	0.064 J	19000	5.3	3.8 J	9.7	10000	3.9	3400	170	< 0.031 U	9.7	390 J	< 0.82 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	0.22 J	0.093 J	31000	7.2	5.1	21	13000	6.2	3900	290	< 0.024 U	13	550	< 1.0 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	0.24 J	0.070 J	7600	7.1	4.8	15	13000	6.6	3500	360	0.024 J	13	540	< 0.95 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	0.29 J	< 0.43 U	1100	8.8	5.7	19	15000	9.4	1800	300	< 0.030 U	13	680	< 0.87 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	0.29 J	< 0.39 U	690	8.7	4.9	11	13000	7.1	1600	200	0.024 J	11	500	< 0.79 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	0.30 J	< 0.42 U	340 J	8.2	5.4	14	14000	9.1	1700	230	< 0.033 U	13	540	< 0.85 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.38 J	< 0.48 U	2300	8.8	5.0	24	14000 B	56	1700	340	0.13	12	550	< 0.97 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.34 J	< 0.47 U	6600	8.7	6.8	19	15000 B	20	4800	430	0.10	14	730	< 0.94 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	0.31 J	< 0.45 U	940	7.4	6.2	17	15000	9.2	1800	530	< 0.034 U	15	510	< 0.90 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	0.13 J	< 0.50 U	28000	5.2	3.6 J	12	10000	5.2	3100	230	0.024	9.1	340 J	< 1.0 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	0.38 J	0.097 J	1800	9.7	5.7 J	13	15000	20	1700	590	0.047	12	500 J	< 1.2 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.27 J	0.074 J	7400	7.8	5.2	23	13000	15	2500	280	0.055	14	430	< 0.83 U
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.25 J	0.080 J	16000	7.2	4.9	21	12000	19	4800	310	0.033	13	470	0.35 J
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.19 J	0.076 J	23000	6.0	4.3	13	9900	5.0	3300	280	< 0.022 U	11	500	0.42 J
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.16 J	0.076 J	26000	5.0	4.0	13	9400	4.5	3000	260	< 0.022 U	9.6	430	< 0.77 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	0.21 J	0.070 J	31000	5.9	4.4	15	12000	4.8	3400	240	< 0.025 U	11	470	0.67 J
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	0.18 J	0.075 J	33000	5.9	4.6	17	11000	5.3	4900	300	< 0.024 U	12	440	0.54 J
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	0.16 J	0.081 J	49000	5.0	3.6 J	13	9000	4.6	4800 T	310	< 0.026 U	9.8	450 T	0.91
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	0.12 JT	0.072 JT	13000	3.9 T	3.4	12 T	8400 T	4.4	3200 T	390 T	< 0.034 U	9.1 T	220 JT	0.51 JT
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	0.19 J	< 0.40 U	2100	5.8	4.1	14	12000	4.7	2100	250	< 0.028 U	11	330 J	< 0.81 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	0.18 J	0.099 J	34000	5.2	4.3 J	15	13000	4.9	4800	380	0.83	12	340 J	0.94

Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						Silver	Sodium	Thallium	Vanadium	Zinc	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	1,1-Biphenyl	Benzaldehyde	Benz(a)anthracene	Benzo(a)pyrene (BaP)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						100													
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.51 U	53 J	< 2.0 U	15	80	< 0.071 U	0.016 J	< 0.71 U	< 0.071 U	< 0.71 U	< 0.35 U	< 0.71 U	0.048 J	0.049 J
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.49 U	< 490 U	< 2.0 U	13	46	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.035 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.49 U	110 J	< 2.0 U	14	51	< 0.36 U	0.059 J	< 0.36 U	0.021 J	< 0.15 U	0.02 J	< 0.36 U	0.14	0.15 T
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.44 U	< 440 U	< 1.8 U	9.0	44	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	0.014 J	0.015 JT
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.13 J	69 J	< 1.8 U	14	85	< 0.34 U	0.12 J	< 0.34 U	0.039 J	< 0.14 U	< 0.34 U	< 0.34 U	0.28	0.3 T
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.52 U	< 520 U	< 2.1 U	10	75	< 0.37 U	0.028 J	< 0.37 U	0.013 J	< 0.15 U	< 0.37 U	< 0.37 U	0.075	0.063 T
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.49 U	72 J	< 1.9 U	13	57	< 0.36 U	0.014 J	< 0.36 U	0.057 J	< 0.14 U	< 0.36 U	< 0.36 U	0.15	0.13 T
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.44 U	45 J	0.32 J	11	59	< 0.35 U	0.032 J	< 0.35 U	0.024 J	< 0.14 UT	< 0.35 U	< 0.35 U	0.17	0.17
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.53 U	< 530 U	< 2.1 U	8.8	41	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.15 U	< 0.38 U	< 0.38 U	< 0.038 U	< 0.038 UT
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.37 U	< 370 U	0.26 J	7.1	31	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.13 U	< 0.33 U	< 0.33 U	0.017 J	0.014 J
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.90 UT	< 450 U	< 1.8 U	7.0	44	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.035 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.59 U	66 J	< 2.4 U	17	31	< 0.42 U	0.043 J	< 0.42 U	0.02 J	< 0.17 U	0.042 J	< 0.42 U	0.093	0.067
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.52 U	150 J	< 2.1 U	15	28	< 0.39 U	0.11 J	0.027 J	0.033 J	< 0.16 U	0.035 J	< 0.39 U	0.13	0.11
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.50 U	< 500 U	< 2.0 U	11	84	0.04 J	0.038 J	0.019 J	0.1 J	< 0.15 U	0.015 J	< 0.36 U	0.16	0.12
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.94 U	< 470 U	< 1.9 U	11	51	< 0.35 U	0.02 J	< 0.35 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.035 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.48 U	< 480 U	< 1.9 U	12	42	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	0.032 J	0.021 J
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 1.0 U	< 520 U	< 2.1 U	15	89	< 0.076 U	0.04 J	< 0.76 U	0.024 J	< 0.76 U	< 0.38 U	< 0.76 U	0.081	0.1
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.91 U	63 J	< 1.8 U	13	67	< 0.072 U	0.12	< 0.72 U	0.099	< 0.72 U	< 0.36 U	< 0.72 U	0.36	0.34
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	0.097 J	96 J	< 1.9 U	13	330	< 0.36 U	0.23 J	< 0.36 U	0.083 J	< 0.14 UT	0.065 J	< 0.36 U	0.28	0.24
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 1.3 U	87 J	< 2.6 U	14	110	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.17 U	< 0.43 U	< 0.43 U	0.061	0.059
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 1.2 U	< 590 U	< 2.4 U	13	71	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U	0.049	0.042
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 1.2 U	< 590 U	< 2.4 U	13	72	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U	0.021 J	0.015 J
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.49 U	< 490 U	< 2.0 U	13	39	0.013 J	0.36	< 0.36 U	0.14 J	< 0.14 U	0.014 J	< 0.36 U	0.77	0.79
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.46 U	< 460 U	< 1.8 U	12	75	0.025 J	0.43	< 0.38 U	0.19 J	< 0.15 U	0.048 J	< 0.38 U	0.98	0.92
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 1.1 U	83 J	< 2.2 U	13	69	< 0.079 U	0.73	< 0.79 U	0.31	< 0.79 U	< 0.39 U	< 0.79 UT	1.4	1.5
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 1.1 U	110 J	< 2.1 U	13	220	0.057 J	1.7	< 0.79 U	0.82	< 0.79 U	< 0.39 U	< 0.79 U	2.6	2.7
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.89 U	< 440 U	< 1.8 U	13	120	< 0.072 U	0.45	< 0.72 U	0.17	< 0.72 U	< 0.35 U	< 0.72 U	1	1.4
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.91 U	59 J	< 1.8 U	14	75	< 0.36 U	0.078 J	< 0.36 U	0.048 J	< 0.15 U	< 0.36 U	< 0.36 U	0.18	0.21
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.61 U	< 610 U	< 2.4 U	13	41	< 0.084 U	< 0.084 U	< 0.84 U	< 0.084 U	< 0.84 U	< 0.41 U	< 0.84 U	< 0.084 U	< 0.084 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.64 U	< 640 U	< 2.5 U	17	48	< 0.092 U	< 0.092 U	< 0.92 U	< 0.092 U	< 0.92 U	< 0.45 U	< 0.92 U	< 0.092 U	< 0.092 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.53 U	< 530 U	< 2.1 U	16	68	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.15 U	< 0.37 U	< 0.37 U	< 0.037 U	< 0.037 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.43 U	46 J	< 1.7 U	6.5	40	< 0.075 U	0.016 J	< 0.75 U	< 0.075 U	< 0.75 U	< 0.37 U	< 0.75 U	< 0.075 U	< 0.075 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.38 U	65 J	< 1.5 U	6.3	40	< 0.075 U	< 0.075 U	< 0.75 U	< 0.075 U	< 0.75 U	< 0.37 U	< 0.75 U	< 0.075 U	< 0.075 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	< 0.54 U	< 540 U	0.42 J	13	140	< 0.077 U	0.18	< 0.77 U	0.11	< 0.77 U	< 0.38 U	< 0.77 U	0.36	0.38
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 1.0 U	< 500 U	< 2.0 U	14	270	< 0.078 U	< 0.078 U	< 0.78 U	0.025 J	< 0.78 U	< 0.38 U	< 0.78 U	0.16	0.12
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.41 U	< 410 U	< 1.6 U	6.0	38	< 0.067 U	< 0.067 U	< 0.67 U	< 0.067 U	< 0.67 U	< 0.33 U	< 0.67 U	< 0.067 U	< 0.067 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.51 U	< 510 U	< 2.0 U	9.2	52	< 0.067 U	< 0.067 U	< 0.67 U	< 0.067 U	< 0.67 U	< 0.33 U	< 0.67 U	< 0.067 U	< 0.067 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.47 U	< 470 U	< 1.9 U	9.7	58	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.43 U	< 430 U	< 1.7 U	14	49	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.34 U	< 0.034 U	< 0.034 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.39 U	72 J	< 1.6 U	13	40	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.34 U	< 0.034 U	< 0.034 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.42 U	< 420 U	< 1.7 U	12	44	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.035 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.48 U	< 480 U	< 1.9 U	13	56	< 0.36 U	0.016 J	< 0.36 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	0.026 J	0.02 J
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.47 U	< 470 U	< 1.9 U	14	55	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	0.021 J	< 0.036 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.45 U	< 450 U	< 1.8 U	9.3	50	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.16 UT	< 0.39 U	< 0.39 U	< 0.039 U	< 0.039 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.50 U	< 500 U	< 2.0 U	5.3	31	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.58 U	< 580 U	< 2.3 U	14	45	< 0.081 U	< 0.081 U	< 0.81 U	< 0.081 U	< 0.81 U	< 0.4 U	< 0.81 U	< 0.081 U	< 0.081 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.42 U	< 420 U	< 1.7 U	9.1	49	0.072	0.059 J	< 0.67 U	0.19	< 0.67 U	< 0.33 U	< 0.67 U	0.51	0.43
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.38 U	39 J	< 1.5 U	9.4	49	0.023 J	0.18	< 0.71 U	0.23	< 0.71 U	< 0.35 U	< 0.71 U	0.66	0.58
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.38 U	42 J	< 1.5 U	7.0	43	< 0.071 U	< 0.071 U	< 0.71 U	< 0.071 U	< 0.71 U	< 0.35 U	< 0.71 U	< 0.071 U	< 0.071 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.38 U	< 380 U	< 1.5 U	6.2	37	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.41 U	< 410 U	< 1.6 U	7.4	40	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.43 U	47 J	< 1.7 U	7.9	38	< 0.068 U	< 0.068 U	< 0.68 U	< 0.068 U	< 0.68 U	< 0.33 U	< 0.68 U	< 0.068 U	< 0.068 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.43 U	50 J	< 1.7 U	6.4	33	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.32 U	< 320 U	< 1.3 UT	5.6 T	38 T	< 0.068 U	< 0.068 U	< 0.68 U	< 0.068 U	< 0.68 U	< 0.34 U	< 0.68 U	< 0.068 U	< 0.068 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.40 U	< 400 U	< 1.6 U	7.0	58	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.45 U	< 450 U	< 1.8 U	7.8	51	< 0.068 U	< 0.068 U	< 0.68 U	< 0.068 U	< 0.68 U	< 0.34 U	< 0.68 U	< 0.068 U	< 0.068 U

Table 1
Scraping Area IG Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Bis(2-ethylhexyl) phthalate (DEHP)	4-Bromophenyl phenyl ether	Butylbenzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline (p-Chloroaniline)	4-Chloro-3-methylphenol	2-Chloronaphthalene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	0.078	0.025 J	0.045 J	< 0.35 U	< 0.071 U	< 0.071 U	< 3.5 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.071 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.035 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.23	0.086	0.12 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.032 J
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	0.023 J	0.0090 J	0.017 J	< 0.35 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.44	0.19	0.24 J	< 0.34 U	< 0.034 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	0.013 J	< 0.34 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	0.1	0.039	0.055 J	< 0.37 U	< 0.037 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	0.07 J
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	0.17	0.075	0.087 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	0.26	0.094	0.099 J	< 0.35 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.038 U	< 0.038 U	< 0.38 U	< 0.38 U	< 0.038 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	0.028 J	0.013 J	< 0.33 U	< 0.33 U	< 0.033 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.035 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.14	0.03 J	0.058 J	< 0.42 U	< 0.042 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	< 0.42 U	0.025 J
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.18	0.046	0.078 J	< 0.39 U	< 0.039 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	0.2 J
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.16	0.07	0.068 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.033 J	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.035 U	< 0.035 U	0.041 J	< 0.35 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 UT	< 0.35 U	< 0.35 UT	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	0.036	0.018 J	0.014 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.12	0.041 J	0.092	< 0.38 U	< 0.076 U	< 0.076 U	< 3.8 U	< 0.38 U	< 0.38 U	< 1.9 U	< 0.076 U	< 0.38 U	< 0.38 U	< 0.076 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.44	0.15	0.29	< 0.36 U	< 0.072 U	< 0.072 U	< 3.6 U	< 0.36 U	< 0.36 U	< 1.8 U	0.038 J	< 0.36 U	< 0.36 U	< 0.072 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	0.43	0.13	0.21 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.03 J	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.083	0.031 J	0.039 J	< 0.43 U	< 0.043 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.07	0.023 J	0.029 J	< 0.39 U	< 0.039 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	0.029 J	0.0089 J	0.013 J	< 0.39 U	< 0.039 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	1.2	0.43	0.57	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.046 J	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	1.4	0.59	0.44	< 0.38 U	< 0.038 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.057 J	< 0.38 U	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	2.2	0.8	1.2	< 0.39 U	< 0.079 U	< 0.079 U	< 3.9 U	< 0.39 U	< 0.39 U	< 2 U	0.066 J	< 0.39 U	< 0.39 U	< 0.079 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	4	1.2	2.5	< 0.39 U	< 0.079 U	< 0.079 U	< 3.9 U	< 0.39 U	< 0.39 U	< 2 U	0.17	< 0.39 U	< 0.39 U	< 0.079 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	1.6	0.45	0.99	< 0.35 U	< 0.072 U	< 0.072 U	< 3.5 U	< 0.35 U	< 0.35 U	< 1.8 U	0.037 J	< 0.35 U	< 0.35 U	< 0.072 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	0.32	0.099	0.29 J	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.084 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.084 U	< 4.1 U	< 0.41 U	< 0.41 U	< 2.1 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.084 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.092 U	< 0.092 U	< 0.092 U	< 0.45 U	< 0.092 U	< 0.092 U	< 4.5 U	< 0.45 U	< 0.45 U	< 2.3 U	< 0.092 U	< 0.45 U	< 0.45 U	< 0.092 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.037 U	< 0.037 U	< 0.37 U	< 0.37 U	< 0.037 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.075 U	< 3.7 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.075 U	< 3.7 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	0.61	0.17	0.32	< 0.38 U	< 0.077 U	< 0.077 U	< 3.8 U	< 0.38 U	< 0.38 U	< 2 U	< 0.077 U	< 0.38 U	< 0.38 U	< 0.077 U
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	0.15	0.076 J	0.068 J	< 0.38 U	< 0.078 U	< 0.078 U	< 3.8 U	< 0.38 U	< 0.38 U	< 2 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.078 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.067 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.067 U	< 3.3 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.067 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.067 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.067 U	< 3.3 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.067 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.034 U	< 0.034 U	< 0.34 U	< 0.34 U	< 0.034 UT	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.034 U	< 0.034 U	< 0.34 U	< 0.34 U	< 0.034 UT	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.035 U	< 0.035 U	< 0.35 U	< 0.35 U	< 0.035 UT	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.022 J	< 0.036 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.015 J	< 0.036 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.039 U	< 0.039 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.39 U	< 0.39 UT	< 0.39 U	< 0.39 UT	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	0.025 J	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.081 U	< 0.081 U	< 0.081 U	< 4 U	< 0.081 U	< 0.081 U	< 4 U	< 0.4 U	< 0.4 U	< 2.1 U	< 0.081 U	< 0.4 U	< 0.4 U	< 0.081 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.55	0.21	0.34	< 0.33 U	< 0.067 U	< 0.067 U	< 3.3 U	< 0.33 U	< 0.33 U	< 1.7 U	0.076	< 0.33 U	< 0.33 U	< 0.067 U
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.72	0.28	0.54	< 0.35 U	< 0.071 U	< 0.071 U	< 3.5 U	< 0.35 U	< 0.35 U	< 1.8 U	0.058 J	< 0.35 U	< 0.35 U	< 0.071 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.071 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.071 U	< 0.071 U	< 3.5 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.071 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.068 U	< 0.068 U	< 0.068 U	< 0.33 U	< 0.068 U	< 0.068 U	< 3.3 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.068 U	< 0.33 U	< 0.33 U	< 0.068 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.068 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.068 U	< 0.068 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.068 U	< 0.34 U	< 0.34 UT	< 0.068 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.068 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.068 U	< 0.068 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.068 U

						SVOCs													
						2-Chlorophenol	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethylphthalate	2,4-Dimethylphenol	Dimethylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	4,6-Dinitro-2-methylphenol	2,6-Dinitrotoluene	2,4-Dinitrophenol	2,4-Dinitrotoluene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																			2.6
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.35 U	0.1	< 0.071 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.35 U	< 3.5 U	< 0.35 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.071 U	< 0.28 U	< 0.071 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.36 U	0.23 J	0.043	0.032 J	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.35 U	0.013 J	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.071 U	< 0.28 U	< 0.071 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.34 U	0.32 J	0.073	0.014 J	< 0.14 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.28 U	< 0.07 U	< 0.28 U	< 0.07 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.37 U	0.096 J	0.019 J	0.013 J	< 0.15 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.3 U	< 0.075 U	< 0.3 U	< 0.075 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.36 U	0.13 J	0.021 J	< 0.36 U	< 0.14 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.072 U	< 0.29 U	< 0.072 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.35 U	0.17 J	0.039	0.016 J	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.071 U	< 0.28 U	< 0.071 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.38 U	< 0.38 U	< 0.038 U	< 0.38 U	< 0.15 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.31 U	< 0.078 U	< 0.31 U	< 0.078 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.33 U	0.024 J	< 0.033 U	< 0.33 U	< 0.13 U	< 0.33 U	< 0.33 U	< 0.33 U	0.051 J	< 0.33 U	< 0.27 U	< 0.068 U	< 0.27 U	< 0.068 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.07 U	< 0.28 U	< 0.07 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.42 U	0.26 J	0.019 J	0.076 J	< 0.17 U	< 0.42 U	< 0.42 U	< 0.42 U	0.072 J	< 0.42 U	< 0.34 U	< 0.086 U	< 0.34 U	< 0.086 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.39 U	0.25 J	< 0.039 U	0.048 J	< 0.16 U	< 0.39 U	< 0.39 U	< 0.39 U	0.089 J	< 0.39 U	< 0.31 U	< 0.079 U	< 0.31 U	< 0.079 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.36 U	0.15 J	0.016 J	0.058 J	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	0.067 J	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.072 U	< 0.28 U	< 0.072 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.36 U	0.038 J	< 0.036 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	0.067 J	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.38 U	0.099	< 0.076 U	< 0.38 U	< 0.076 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 1.9 U	< 0.38 U	< 3.8 U	< 0.38 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.36 U	0.36	0.071 J	< 0.36 U	< 0.072 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 1.8 U	< 0.36 U	< 3.6 U	< 0.36 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	< 0.36 U	0.43	0.071	0.065 J	< 0.14 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.072 U	< 0.29 U	< 0.072 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.43 U	0.068 J	0.032 J	< 0.43 U	< 0.17 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.35 U	< 0.087 U	< 0.35 U	< 0.087 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	0.045 J	< 0.039 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.31 U	< 0.079 U	< 0.31 U	< 0.079 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	0.016 J	< 0.039 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.32 U	< 0.08 U	< 0.32 U	< 0.08 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.36 U	0.89	0.12	0.022 J	< 0.14 U	< 0.36 U	< 0.36 U	< 0.36 U	0.1 J	< 0.36 U	< 0.29 U	< 0.073 U	< 0.29 U	< 0.073 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.38 U	1.1	0.16	0.088 J	< 0.15 U	< 0.38 U	< 0.38 U	< 0.38 U	0.078 J	< 0.38 U	< 0.3 U	< 0.077 U	< 0.3 U	< 0.077 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.39 U	1.7	0.34	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.39 U	2.9	0.69	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.35 U	1	0.25	< 0.35 U	< 0.072 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.35 U	< 3.5 U	< 0.35 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.36 U	0.18 J	0.065	0.025 J	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.41 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 2.1 U	< 0.41 U	< 4.1 U	< 0.41 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.45 U	< 0.092 U	< 0.092 U	< 0.45 U	< 0.092 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 2.3 U	< 0.45 U	< 4.5 U	< 0.45 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.37 U	< 0.37 U	< 0.037 U	< 0.37 U	< 0.15 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.3 U	< 0.075 U	< 0.3 U	< 0.075 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.37 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.37 U	< 3.7 U	< 0.37 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.37 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.37 U	< 3.7 U	< 0.37 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	< 0.38 U	0.45	0.097	< 0.38 U	< 0.077 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 2 U	< 0.38 U	< 3.8 U	< 0.38 U
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.38 U	0.15	< 0.078 U	< 0.38 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 2 U	< 0.38 U	< 3.8 U	< 0.38 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.33 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.33 U	< 3.3 U	< 0.33 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.33 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.33 U	< 3.3 U	< 0.33 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.34 U	< 0.034 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.27 U	< 0.069 U	< 0.27 U	< 0.069 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.34 U	< 0.034 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.27 U	< 0.069 U	< 0.27 U	< 0.069 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.28 U	< 0.071 U	< 0.28 U	< 0.071 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.36 U	0.021 J	< 0.036 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.36 U	0.015 J	< 0.036 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.29 U	< 0.074 U	< 0.29 U	< 0.074 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.31 U	< 0.079 U	< 0.31 U	< 0.079 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.4 U	< 0.081 U	< 0.081 U	< 0.4 U	< 0.081 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 2.1 U	< 0.4 U	< 4 U	< 0.4 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.33 U	0.51	0.097	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.33 U	< 3.3 U	< 0.33 U
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	0.59	0.14	< 0.35 U	< 0.071 U	0.12 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.35 U	< 3.5 U	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.071 U	0.13 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.35 U	< 3.5 U	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.33 U	< 0.068 U	< 0.068 U	< 0.33 U	< 0.068 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 1.7 U	< 0.33 U	< 3.3 U	< 0.33 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.34 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.068 U	0.16 J	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.34 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.7 U	< 0.34 U	< 3.4 U	< 0.34 U

Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd)pyrene	2-Methylphenol	3,3-Dichlorobenzidine	4-Chlorophenyl phenyl ether	Isophorone	2-Methylnaphthalene	4-methylphenol
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox									2.6	10		60		4000					4000
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.71 U	0.071	< 0.071 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.35 U	0.035 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.046 J	< 0.35 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5		< 0.35 U	< 0.35 U	< 0.035 U	< 0.071 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5		0.21 J	< 0.36 U	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	0.13	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	0.11 J	< 0.36 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5		0.013 J	< 0.35 U	< 0.035 U	< 0.071 U	< 0.35 U	< 0.035 U	0.017 J	< 0.35 U	< 0.14 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5		0.38	0.015 J	< 0.034 U	< 0.07 U	< 0.34 U	< 0.034 U	0.25	< 0.34 U	< 0.14 U	< 0.34 U	< 0.14 U	0.043 J	< 0.34 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5		0.12 J	< 0.37 U	< 0.037 U	< 0.075 U	< 0.37 U	< 0.037 U	0.055	< 0.37 U	< 0.15 U	< 0.37 U	< 0.15 U	0.044 J	< 0.37 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5		0.28 J	0.015 J	< 0.036 U	< 0.072 U	< 0.36 U	< 0.036 U	0.1	< 0.36 U	< 0.14 U	< 0.36 U	< 0.14 U	0.012 J	< 0.36 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5		0.24 J	< 0.35 U	< 0.035 U	< 0.071 U	< 0.35 U	< 0.035 U	0.16	< 0.35 U	< 0.14 U	< 0.35 U	< 0.14 U	0.044 J	< 0.35 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5		< 0.38 U	< 0.38 U	< 0.038 U	< 0.078 U	< 0.38 U	< 0.038 U	< 0.038 U	< 0.38 U	< 0.15 U	< 0.38 U	< 0.15 U	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6		0.023 J	< 0.33 U	< 0.033 U	< 0.068 U	< 0.33 U	< 0.033 U	0.013 J	< 0.33 U	< 0.13 U	< 0.33 U	< 0.13 U	< 0.33 U	< 0.33 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6		< 0.35 U	< 0.35 U	< 0.035 U	< 0.07 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6		0.092 J	0.014 J	< 0.042 U	< 0.086 U	< 0.42 U	< 0.042 U	0.098	< 0.42 U	< 0.17 U	< 0.42 U	< 0.17 U	0.28 J	< 0.42 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6		0.18 J	0.014 J	< 0.039 U	< 0.079 U	< 0.39 U	< 0.039 U	0.13	< 0.39 U	< 0.16 U	< 0.39 U	< 0.16 U	0.14 J	< 0.39 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6		0.29 J	0.075 J	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	0.12	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	0.091 J	< 0.36 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6		< 0.35 U	< 0.35 U	< 0.035 U	< 0.072 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.14 UT	< 0.35 U	< 0.14 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6		0.038 J	< 0.36 U	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	0.059	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.76 U	0.12	< 0.076 U	< 0.076 U	< 0.076 U	< 0.38 U	< 0.38 U	0.075 J	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.076 U	< 0.38 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.72 U	0.71	0.022 J	< 0.072 U	< 0.072 U	< 0.36 U	< 0.36 U	0.25	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	0.023 J	< 0.36 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6		0.6	0.054 J	< 0.036 U	< 0.072 U	< 0.36 U	< 0.036 U	0.23	0.014 J	< 0.14 U	< 0.36 U	< 0.14 U	0.16 J	0.042 J
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6		0.098 J	< 0.43 U	< 0.043 U	< 0.087 U	< 0.43 U	< 0.043 U	0.05 T	< 0.43 U	< 0.17 U	< 0.43 U	< 0.17 U	< 0.43 U	< 0.43 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6		0.082 J	< 0.39 U	< 0.039 U	< 0.079 U	< 0.39 U	< 0.039 U	0.039 T	< 0.39 U	< 0.16 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6		0.018 J	< 0.39 U	< 0.039 U	< 0.08 U	< 0.39 U	< 0.039 U	0.017 JT	< 0.39 U	< 0.16 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6		1.2	0.045 J	< 0.036 U	< 0.073 U	< 0.36 U	< 0.036 U	0.72	< 0.36 U	< 0.14 U	< 0.36 U	< 0.14 U	0.067 J	< 0.36 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6		1.3	0.074 J	< 0.038 U	< 0.077 U	< 0.38 U	< 0.038 U	0.57	< 0.38 U	< 0.15 U	< 0.38 U	< 0.15 U	0.25 J	< 0.38 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.79 U	2	0.054 J	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	1.1	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	0.099	< 0.39 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.79 U	3.6	0.15	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	2.1	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	0.27	< 0.39 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.72 U	1.1	< 0.072 U	< 0.072 U	< 0.072 U	< 0.35 U	< 0.35 U	0.88	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.021 J	< 0.35 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6		0.23 J	0.016 J	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	0.29 T	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	0.027 J	< 0.36 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.84 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.41 U	< 0.084 U	< 0.41 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.92 U	< 0.092 U	< 0.092 U	< 0.092 U	< 0.092 U	< 0.45 U	< 0.45 U	< 0.092 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.092 U	< 0.45 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5		< 0.37 U	< 0.37 U	< 0.037 U	< 0.075 U	< 0.37 U	< 0.037 U	< 0.037 U	< 0.37 U	< 0.15 U	< 0.37 U	< 0.15 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.75 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.75 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	< 0.77 U	0.48	< 0.077 U	< 0.077 U	< 0.077 U	< 0.38 U	< 0.38 U	0.3	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.026 J	< 0.38 U
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.78 U	0.29	< 0.078 U	< 0.078 U	< 0.078 U	< 0.38 U	< 0.38 U	0.069 J	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.078 U	< 0.38 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.67 U	< 0.067 U	< 0.067 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.067 U	< 0.33 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.67 U	< 0.067 U	< 0.067 U	< 0.067 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.067 U	< 0.33 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA		< 0.34 U	< 0.34 U	< 0.034 U	< 0.069 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.14 UT	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA		< 0.34 U	< 0.34 U	< 0.034 U	< 0.069 U	< 0.34 U	< 0.034 U	< 0.034 U	< 0.34 U	< 0.14 U	< 0.34 U	< 0.14 UT	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA		< 0.35 U	< 0.35 U	< 0.035 U	< 0.071 U	< 0.35 U	< 0.035 U	< 0.035 U	< 0.35 U	< 0.14 U	< 0.35 U	< 0.14 UT	< 0.35 U	< 0.35 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA		0.033 J	< 0.36 U	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	0.015 J	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	0.039 J	< 0.36 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA		0.031 J	< 0.36 U	< 0.036 U	< 0.074 U	< 0.36 U	< 0.036 U	< 0.036 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.15 U	< 0.36 U	< 0.36 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5		< 0.39 U	< 0.39 U	< 0.039 UT	< 0.079 U	< 0.39 U	< 0.039 U	< 0.039 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.16 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.69 UT	0.037 J	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.81 U	< 0.081 U	< 0.081 U	< 0.081 U	< 0.081 U	< 0.4 U	< 0.4 U	< 0.081 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.081 U	< 0.4 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.67 U	0.79	0.08	< 0.067 U	< 0.067 U	< 0.33 U	< 0.33 U	0.33	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	0.027 J	< 0.33 U
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.71 U	1	0.058 J	< 0.071 U	< 0.071 U	< 0.35 U	< 0.35 U	0.54	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	0.04 J	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.71 U	< 0.071 U	< 0.071 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.071 U	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.68 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.33 U	< 0.33 U	< 0.068 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.068 U	< 0.33 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.68 U	< 0.068 UT	< 0.068 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.068 U	< 0.34 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.68 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.068 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.068 U	< 0.34 U

Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						Naphthalene mg/kg	2-Nitroaniline mg/kg	3-Nitroaniline mg/kg	4-Nitroaniline mg/kg	Nitrobenzene mg/kg	2-Nitrophenol mg/kg	4-Nitrophenol mg/kg	N-Nitrosodi-n-propylamine mg/kg	Pentachlorophenol mg/kg	Phenanthrene mg/kg	Phenol mg/kg	Pyrene mg/kg	1,2,4,5-Tetrachlorobenzene mg/kg	2,3,4,6-Tetrachlorophenol mg/kg
20x TCLP RCRA Tox										40				2000					
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	0.03 J	< 1.8 U	< 1.8 U	< 1.8 U	< 0.71 U	< 0.35 U	< 1.8 U	< 0.071 U	< 1.8 U	0.059 J	< 0.35 U	0.075	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.71 U	< 0.035 U	< 0.28 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.078 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.18 J	< 0.36 U	0.23 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.71 U	< 0.035 U	< 0.28 U	< 0.35 U	< 0.35 U	0.019 J	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	0.051 J	< 0.34 U	< 0.34 U	< 0.34 U	< 0.034 U	< 0.34 U	< 0.7 U	< 0.034 U	< 0.28 U	0.17 J	< 0.34 U	0.41	< 0.34 U	< 0.34 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	0.048 J	< 0.37 U	< 0.37 U	< 0.37 U	< 0.037 U	< 0.37 U	< 0.75 U	< 0.037 U	< 0.3 U	0.11 J	< 0.37 U	0.11 J	0.041 J	< 0.37 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	0.017 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.72 U	< 0.036 U	< 0.29 U	0.17 J	< 0.36 U	0.24 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	0.051 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.71 U	< 0.035 U	< 0.28 U	0.11 J	< 0.35 U	0.2 J	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.038 U	< 0.38 U	< 0.78 U	< 0.038 U	< 0.31 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.033 U	< 0.33 U	< 0.68 U	< 0.033 U	< 0.27 U	0.0085 J	< 0.33 U	0.029 J	< 0.33 U	< 0.33 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.7 U	< 0.035 U	< 0.28 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.2 J	< 0.42 U	< 0.42 U	< 0.42 U	< 0.042 U	< 0.42 U	< 0.86 U	< 0.042 U	< 0.34 U	0.34 J	< 0.42 U	0.11 J	< 0.42 U	< 0.42 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.3 J	< 0.39 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.79 U	< 0.039 U	< 0.31 U	0.32 J	< 0.39 U	0.2 J	0.35 J	< 0.39 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.11 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.36	< 0.36 U	0.24 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.72 U	< 0.035 U	< 0.28 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	0.0099 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.031 J	< 0.36 U	0.036 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.076 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.76 U	< 0.38 U	< 1.9 U	< 0.076 U	< 1.9 U	0.049 J	< 0.38 U	0.14	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.039 J	< 1.8 U	< 1.8 U	< 1.8 U	< 0.72 U	< 0.36 U	< 1.8 U	< 0.072 U	< 1.8 U	0.4	< 0.36 U	0.63	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	0.47	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.72 U	< 0.036 U	< 0.29 U	0.56	< 0.36 U	0.58	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.43 U	< 0.43 U	< 0.43 U	< 0.43 U	< 0.043 U	< 0.43 U	< 0.87 U	< 0.043 U	< 0.35 U	0.046 J	< 0.43 U	0.098 J	< 0.43 U	< 0.43 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.79 U	< 0.039 U	< 0.31 U	0.045 J	< 0.39 U	0.08 J	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.8 U	< 0.039 U	< 0.32 U	< 0.39 U	< 0.39 U	0.021 J	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	0.098 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.73 U	< 0.036 U	< 0.29 U	0.51	< 0.36 U	1.3	< 0.36 U	< 0.36 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	0.32 J	< 0.38 U	< 0.38 U	< 0.38 U	< 0.038 U	< 0.38 U	< 0.77 U	< 0.038 U	< 0.3 U	0.78	< 0.38 U	1.5	< 0.38 U	< 0.38 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.18	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	0.6	< 0.39 U	2.3	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.33	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	1.3	< 0.39 U	4.2	< 0.39 U	< 0.39 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	0.043 J	< 1.8 U	< 1.8 U	< 1.8 U	< 0.72 U	< 0.35 U	< 1.8 U	< 0.072 U	< 1.8 U	0.12	< 0.35 U	1.6	< 0.35 U	< 0.35 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	0.079 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.12 J	< 0.36 U	0.31 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.084 U	< 2.1 U	< 2.1 U	< 2.1 U	< 0.84 U	< 0.41 U	< 2.1 U	< 0.084 U	< 2.1 U	< 0.084 U	< 0.41 U	< 0.084 U	< 0.41 U	< 0.41 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.092 U	< 2.3 U	< 2.3 U	< 2.3 U	< 0.92 U	< 0.45 U	< 2.3 U	< 0.092 U	< 2.3 U	< 0.092 U	< 0.45 U	< 0.092 U	< 0.45 U	< 0.45 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.037 U	< 0.37 U	< 0.75 U	< 0.037 U	< 0.3 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.075 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.75 U	< 0.37 U	< 1.9 U	< 0.075 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.075 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.75 U	< 0.37 U	< 1.9 U	< 0.075 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	0.042 J	< 2 U	< 2 U	< 2 U	< 0.77 U	< 0.38 U	< 2 U	< 0.077 U	< 2 U	0.14	< 0.38 U	0.6	< 0.38 U	< 0.38 U
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.078 U	< 2 U	< 2 U	< 2 U	< 0.78 U	< 0.38 U	< 2 U	< 0.078 U	< 2 U	0.099	< 0.38 U	0.26	< 0.38 U	< 0.38 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.067 U	< 1.7 U	< 1.7 U	< 1.7 U	< 0.67 U	< 0.33 U	< 1.7 U	< 0.067 U	< 1.7 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.067 U	< 1.7 U	< 1.7 U	< 1.7 U	< 0.67 U	< 0.33 U	< 1.7 U	< 0.067 U	< 1.7 U	< 0.067 U	< 0.33 U	< 0.067 U	< 0.33 U	< 0.33 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.034 U	< 0.34 U	< 0.69 U	< 0.034 UT	< 0.27 U	< 0.34 U	< 0.34 U	0.01 J	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.034 U	< 0.34 U	< 0.69 U	< 0.034 UT	< 0.27 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	0.0083 J	< 0.35 U	< 0.35 U	< 0.35 U	< 0.035 U	< 0.35 U	< 0.71 U	< 0.035 UT	< 0.28 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	0.074 J	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.032 J	< 0.36 U	0.032 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.36 U	< 0.36 U	< 0.36 U	< 0.36 U	< 0.036 U	< 0.36 U	< 0.74 U	< 0.036 U	< 0.29 U	0.029 J	< 0.36 U	0.026 J	< 0.36 U	< 0.36 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.039 U	< 0.39 U	< 0.79 U	< 0.039 U	< 0.31 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	0.036 J	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.081 U	< 2.1 U	< 2.1 U	< 2.1 U	< 0.81 U	< 0.4 U	< 2.1 U	< 0.081 U	< 2.1 U	< 0.081 U	< 0.4 U	< 0.081 U	< 0.4 U	< 0.4 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.068	< 1.7 U	< 1.7 U	< 1.7 U	< 0.67 U	< 0.33 U	< 1.7 U	< 0.067 U	< 1.7 U	0.87	< 0.33 U	0.94	< 0.33 U	< 0.33 U
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	0.13	< 1.8 U	< 1.8 U	< 1.8 U	< 0.71 U	< 0.35 U	< 1.8 U	< 0.071 U	< 1.8 U	0.8	< 0.35 U	1.2	< 0.35 U	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.071 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.71 U	< 0.35 U	< 1.8 U	< 0.071 U	< 1.8 U	< 0.071 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.068 U	< 1.7 U	< 1.7 U	< 1.7 U	< 0.68 U	< 0.33 U	< 1.7 U	< 0.068 U	< 1.7 U	< 0.068 U	< 0.33 U	< 0.068 U	< 0.33 U	< 0.33 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.068 U	< 1.7 U	< 1.7 U	< 1.7 U	< 0.68 U	< 0.34 U	< 1.7 U	< 0.068 U	< 1.7 U	< 0.068 U	< 0.34 U	< 0.068 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.068 U	< 1.7 U	< 1.7 U	< 1.7 U	< 0.68 U	< 0.34 U	< 1.7 U	< 0.068 U	< 1.7 U	< 0.068 U	< 0.34 U	< 0.068 U	< 0.34 U	< 0.34 U

Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						8000	40		10						10	2000			120
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.35 U	< 0.35 U	0.0095 BJ	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.35 U	< 0.14 U	< 0.0078 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.36 U	< 0.15 U	< 0.0080 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0027 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.35 U	< 0.14 U	< 0.0058 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.0019 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.34 U	< 0.14 U	< 0.0062 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.37 U	< 0.15 U	< 0.0084 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0028 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.36 U	< 0.14 U	< 0.0075 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.35 U	< 0.14 U	< 0.0070 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0023 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.38 U	< 0.15 U	< 0.0059 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.0020 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.33 U	< 0.13 U	< 0.0047 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.0016 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.35 U	< 0.14 U	< 0.0055 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.0018 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.42 U	< 0.17 U	< 0.0043 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.0014 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.39 U	< 0.16 U	< 0.0041 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.0014 U	0.00031 J	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.36 U	< 0.15 U	< 0.0029 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00098 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.35 U	< 0.14 U	< 0.0061 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0020 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.36 U	< 0.15 U	< 0.0056 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.0019 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.38 U	< 0.38 U	< 0.0058 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.0019 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.36 U	< 0.36 U	< 0.0066 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	< 0.36 U	< 0.14 U	< 0.0082 U	< 0.0014 U	< 0.0014 U	< 0.0014 UT	< 0.0014 UT	< 0.0027 U	< 0.0014 U	< 0.0014 UT	< 0.0014 U	< 0.0014 UT	< 0.0014 U	< 0.0014 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.43 U	< 0.17 U	< 0.0071 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	< 0.16 U	< 0.0043 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.0014 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.39 U	< 0.16 U	< 0.0051 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.0017 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.36 U	< 0.14 U	0.0052	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.0016 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.38 U	< 0.15 U	< 0.0042 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.0014 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.39 U	< 0.39 U	< 0.0078 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.39 U	< 0.39 U	< 0.0065 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	0.00035 J	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.35 U	< 0.35 U	< 0.0062 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.36 U	< 0.15 U	< 0.0037 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.0012 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.41 U	< 0.41 U	< 0.025 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.45 U	< 0.45 U	< 0.028 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.37 U	< 0.15 U	< 0.0054 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.0018 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.37 U	< 0.37 U	< 0.0055 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.0018 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.37 U	< 0.37 U	< 0.0075 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1	< 0.38 U	< 0.38 U												
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.38 U	< 0.38 U	< 0.023 UT	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.33 U	< 0.33 U	< 0.019 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	0.0039 BJ
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.33 U	< 0.33 U	< 0.021 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	0.0039 BJ
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.34 U	< 0.34 U	< 0.021 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	0.0043 BJ
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.14 U	< 0.0071 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.34 U	< 0.14 U	< 0.0064 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 UT	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.35 U	< 0.14 U	< 0.0094 U	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0031 U	< 0.0016 U	< 0.0016 UT	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0016 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.36 U	< 0.15 U	< 0.0052 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.0017 U	< 0.00086 U	< 0.00086 UT	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.36 U	< 0.15 U	< 0.0057 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.0019 U	< 0.00095 U	< 0.00095 UT	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.39 U	< 0.16 U	< 0.0062 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 UT	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.34 U	< 0.34 U	< 0.025 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.4 U	< 0.4 U	< 0.024 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.33 U	< 0.33 U												
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	< 0.35 U												
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	< 0.35 U												
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.34 U												
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.34 U	< 0.0024 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00079 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.33 U	< 0.33 U	< 0.0033 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.0011 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.34 U	0.0036	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00085 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.34 U	< 0.34 U	< 0.019 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.34 U	< 0.34 U	< 0.0030 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.0010 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.34 U	< 0.34 U	< 0.02 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U

Table 1
Scraping Area IG Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						Chloromethane mg/kg	Cyclohexane mg/kg	1,2-Dibromo-3-Chloropropane mg/kg	Dichloromethane mg/kg	1,2-Dibromoethane mg/kg	Dichlorodifluoromethane mg/kg	1,2-Dichlorobenzene mg/kg	1,3-Dichlorobenzene mg/kg	1,4-Dichlorobenzene mg/kg	1,1-Dichloroethane mg/kg	1,2-Dichloroethane mg/kg	1,1-Dichloroethene mg/kg	1,2-Dichloroethene mg/kg	cis-1,2-Dichloroethene mg/kg
20x TCLP RCRA Tox														150		10	14		
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.0051 U	< 0.0051 U	< 0.0051 UT	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 UT	< 0.0051 UT	< 0.0051 UT	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U	< 0.0051 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0027 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0027 U	< 0.0013 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00096 UT	< 0.00096 U	< 0.00096 U	0.0012 J	< 0.00096 U	< 0.00096 UT	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.0019 U	< 0.00096 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0010 UT	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U	< 0.0010 UT	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.0014 UT	< 0.0014 U	< 0.0014 U	< 0.0028 U	< 0.0014 U	< 0.0014 UT	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0028 U	< 0.0014 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.0012 UT	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 UT	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0023 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0023 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00099 UT	< 0.00099 U	< 0.00099 U	< 0.0020 U	< 0.00099 U	< 0.00099 UT	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.0020 U	< 0.00099 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.0016 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.0016 U	< 0.00078 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.0018 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.0018 U	< 0.00091 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.0014 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.0014 U	< 0.00072 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.0014 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.0014 U	< 0.00068 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00098 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00098 U	< 0.00049 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0020 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0020 U	< 0.0010 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.0019 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.0019 U	< 0.00094 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.0019 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.0019 U	< 0.00097 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0027 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0027 U	< 0.0014 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.0014 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.0014 U	< 0.00071 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.0017 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.0017 U	< 0.00085 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.0016 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.0016 U	< 0.00081 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.0014 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.0014 U	< 0.00069 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U	< 0.0013 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U	< 0.0011 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.0012 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.0012 U	< 0.00061 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U	< 0.0064 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.014 U	< 0.0069 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.0018 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.0018 U	< 0.00090 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.0018 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.0018 U	< 0.00092 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1														
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.0047 U	< 0.0093 U	< 0.0093 U	< 0.023 UT	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0093 U	< 0.0047 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0097 U	< 0.0048 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U	< 0.0052 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U	< 0.0053 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U	< 0.0012 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U	< 0.0011 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0031 U	< 0.0016 UT	< 0.0016 U	< 0.0016 UT	< 0.0016 UT	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0016 U	< 0.0031 U	< 0.0016 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.0017 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.0017 U	< 0.00086 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.0019 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.0019 U	< 0.00095 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U	< 0.0010 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.0049 U	< 0.0099 U	< 0.0099 U	< 0.025 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0099 U	< 0.0049 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U	< 0.0061 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00039 U	< 0.00039 U	< 0.00039 U	0.00065 J	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00079 U	< 0.00039 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.0011 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.0011 U	< 0.00056 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00085 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00085 U	< 0.00043 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0093 U	< 0.0047 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.0010 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.0010 U	< 0.00050 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.01 U	< 0.0050 U

						VOCs													
						trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon 113	2-Hexanone (MBK)	Isopropylbenzene	Methyl Acetate	Methylcyclohexane	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Methyl-tert-butyl ether	Styrene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																4000			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 UT	< 0.0051 U	< 0.025 U	< 0.0051 U	< 0.0051 UT	< 0.0051 U	< 0.0051 U	< 0.0051 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0065 U	< 0.0013 U	< 0.0065 U	< 0.0013 U	< 0.0065 U	< 0.0065 U	< 0.0013 U	0.00090 J
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0066 U	< 0.0013 U	< 0.0066 U	< 0.0013 U	< 0.0066 U	< 0.0066 UT	< 0.0013 U	< 0.0013 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.0048 U	< 0.00096 U	< 0.0048 U	< 0.00096 U	< 0.0048 U	< 0.0048 U	< 0.00096 U	< 0.00096 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0052 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0070 U	< 0.0014 U	< 0.0070 U	< 0.0014 U	< 0.0070 U	< 0.0070 U	< 0.0014 U	< 0.0014 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0062 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0059 U	< 0.0012 U	< 0.0059 UT	< 0.0012 U	< 0.0059 U	< 0.0059 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.0049 U	< 0.00099 U	< 0.0049 U	< 0.00099 U	< 0.0049 U	< 0.0049 U	< 0.00099 U	< 0.00099 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.0039 U	< 0.00078 U	< 0.0039 U	< 0.00078 U	< 0.0039 U	< 0.0039 U	< 0.00078 U	0.00038 J
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.0045 U	< 0.00091 U	< 0.0045 UT	< 0.00091 U	< 0.0045 U	< 0.0045 U	< 0.00091 U	< 0.00091 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.0036 U	< 0.00072 U	< 0.0036 U	< 0.00072 U	< 0.0036 U	< 0.0036 U	< 0.00072 U	< 0.00072 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.0034 U	< 0.00068 U	< 0.0034 U	< 0.00068 U	< 0.0034 U	< 0.0034 U	< 0.00068 U	< 0.00068 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.0025 U	< 0.00049 U	< 0.0025 U	< 0.00049 U	< 0.0025 U	< 0.0025 U	< 0.00049 U	< 0.00049 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0050 U	< 0.0010 U	< 0.0050 U	< 0.0010 U	< 0.0050 U	< 0.0050 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.0047 U	< 0.00094 U	< 0.0047 U	< 0.00094 U	< 0.0047 U	< 0.0047 U	< 0.00094 U	< 0.00094 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.0049 U	< 0.00097 U	< 0.0049 U	< 0.00097 U	< 0.0049 U	< 0.0049 U	< 0.00097 U	< 0.00097 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0055 U	< 0.0011 U	< 0.0055 U	< 0.0055 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0068 UT	< 0.0014 U	< 0.0068 U	< 0.0014 U	< 0.0068 U	< 0.0068 U	< 0.0014 U	< 0.0014 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0059 U	< 0.0012 U	< 0.0059 U	< 0.0012 U	< 0.0059 U	< 0.0059 U	< 0.0012 UT	< 0.0012 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.0036 U	< 0.00071 U	< 0.0036 U	< 0.00071 U	< 0.0036 U	< 0.0036 U	< 0.00071 UT	< 0.00071 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.0042 U	< 0.00085 U	< 0.0042 U	< 0.00085 U	< 0.0042 U	< 0.0042 U	< 0.00085 UT	< 0.00085 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.0040 U	< 0.00081 U	< 0.0040 U	< 0.00081 U	< 0.0040 U	< 0.0040 U	< 0.00081 U	< 0.00081 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.0035 U	< 0.00069 U	< 0.0035 U	< 0.00069 U	< 0.0035 U	< 0.0035 U	< 0.00069 U	< 0.00069 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0065 U	< 0.0013 U	< 0.0065 U	< 0.0013 U	< 0.0065 U	< 0.0065 U	< 0.0013 U	< 0.0013 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0054 U	< 0.0011 U	< 0.0054 U	< 0.0011 U	< 0.0054 U	< 0.0054 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0052 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.0031 U	< 0.00061 U	< 0.0031 U	< 0.00061 U	< 0.0031 U	< 0.0031 U	< 0.00061 UT	< 0.00061 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.032 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.035 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.0045 U	< 0.00090 U	< 0.0045 U	< 0.00090 U	< 0.0045 U	< 0.0045 U	< 0.00090 U	< 0.00090 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.0046 U	< 0.00092 U	< 0.0046 U	< 0.00092 U	< 0.0046 U	< 0.0046 U	< 0.00092 U	< 0.00092 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0062 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1														
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.019 U	< 0.0047 U	< 0.023 U	< 0.0093 U	< 0.019 U	< 0.019 U	< 0.0047 U	< 0.0047 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.024 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.026 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.026 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0059 U	< 0.0012 U	< 0.0059 U	< 0.0012 U	< 0.0059 U	< 0.0059 U	< 0.0012 U	< 0.0012 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0053 U	< 0.0011 U	< 0.0053 U	< 0.0053 U	< 0.0011 U	< 0.0011 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0016 U	< 0.0016 U	< 0.0016 UT	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0078 U	< 0.0016 U	< 0.0078 UT	< 0.0016 U	< 0.0078 U	< 0.0078 U	< 0.0016 U	< 0.0016 UT
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.0043 U	< 0.00086 U	< 0.0043 U	< 0.00086 U	< 0.0043 U	< 0.0043 U	< 0.00086 U	< 0.00086 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.0047 U	< 0.00095 U	< 0.0047 U	0.00070 J	< 0.0047 U	< 0.0047 U	< 0.00095 U	< 0.00095 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.0010 UT	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0010 U	< 0.0052 U	< 0.0052 U	< 0.0010 U	< 0.0010 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.02 U	< 0.0049 U	< 0.025 U	< 0.0099 U	< 0.02 U	< 0.02 U	< 0.0049 U	< 0.0049 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.03 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.0020 U	< 0.00039 U	< 0.0020 U	< 0.00039 U	< 0.0020 U	< 0.0020 U	< 0.00039 U	< 0.00039 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.0028 U	< 0.00056 U	< 0.0028 U	< 0.00056 U	< 0.0028 U	< 0.0028 U	< 0.00056 U	0.00019 J
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.0021 U	< 0.00043 U	< 0.0021 U	< 0.00043 U	< 0.0021 U	< 0.0021 U	< 0.00043 U	< 0.00043 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.023 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 UT	< 0.0047 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.0025 U	< 0.00050 U	< 0.0025 U	< 0.00050 U	< 0.0025 U	< 0.0025 U	< 0.00050 U	< 0.00050 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.025 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U

Table 1
Scraping Area IG Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylene (m)	Xylene (o)	Xylenes (Total)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox							14						10		4			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location													
SSHS-IRM5A2-A5-B202	SSHS-IRM5A2-A5-B202	7/22/2022	0 - 2 ft	1801418262	IRM5A2 AREA 5	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 UT	< 0.0051 UT	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.01 U
SSHS-IRM5A2-A5-S402	SSHS-IRM5A2-A5-S402	6/6/2022	2 - 4 ft	1801391882	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U
SSHS-IRM5A2-A5-V1-BOT2	SSHS-IRM5A2-A5-V1-BOT2	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0027 U
SSHS-IRM5A2-A5-V1-BOT3	SSHS-IRM5A2-A5-V1-BOT3	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 U	< 0.00096 UT	< 0.00096 U	< 0.00096 U	< 0.0019 U
SSHS-IRM5A2-A5-V1-S12	SSHS-IRM5A2-A5-V1-S12	5/9/2022	0 - 2 ft	1801378342	IRM5A2 AREA 5	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 UT	< 0.0010 U	< 0.0010 U	< 0.0021 U
SSHS-IRM5A2-A5-V1-S15	SSHS-IRM5A2-A5-V1-S15	5/9/2022	2 - 4 ft	1801378342	IRM5A2 AREA 5	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 UT	< 0.0014 U	< 0.0014 U	< 0.0028 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-A5-V1-S16	5/9/2022	4 - 6 ft	1801378342	IRM5A2 AREA 5	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 UT	< 0.0012 U	< 0.0012 U	< 0.0025 U
SSHS-IRM5A2-A5-V1-S16	SSHS-IRM5A2-DUP81	5/9/2022	4 - 6 ft	1801378343	IRM5A2 AREA 5	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0023 U
SSHS-IRM5A2-A5-V1-S18	SSHS-IRM5A2-A5-V1-S18	5/9/2022	8 - 10 ft	1801378342	IRM5A2 AREA 5	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 U	< 0.00099 UT	< 0.00099 U	< 0.00099 U	< 0.0020 U
SSHS-IRM5A2-A6-B207	SSHS-IRM5A2-A6-B207	8/19/2022	0 - 2 ft	1801432521	IRM5A2 AREA 6	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.00078 U	< 0.0016 U
SSHS-IRM5A2-A6-B208-S2	SSHS-IRM5A2-A6-B208-S2	10/11/2022	2 - 4 ft	1801460131	IRM5A2 AREA 6	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.00091 U	< 0.0018 U
SSHS-IRM5A2-A6-B212	SSHS-IRM5A2-A6-B212	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.00072 U	< 0.0014 U
SSHS-IRM5A2-A6-B215	SSHS-IRM5A2-A6-B215	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.00068 U	< 0.0014 U
SSHS-IRM5A2-A6-B217	SSHS-IRM5A2-A6-B217	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00049 U	< 0.00098 U
SSHS-IRM5A2-A6-B230	SSHS-IRM5A2-A6-B230	9/1/2022	0 - 2 ft	1801438851	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0020 U
SSHS-IRM5A2-A6-B402	SSHS-IRM5A2-A6-B402	8/23/2022	2 - 4 ft	1801433661	IRM5A2 AREA 6	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.00094 U	< 0.0019 U
SSHS-IRM5A2-A6-B432	SSHS-IRM5A2-A6-B432	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.00097 U	< 0.00097 U	0.0014	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.00097 U	< 0.0019 U
SSHS-IRM5A2-A6-B433	SSHS-IRM5A2-A6-B433	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	0.0031	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U
SSHS-IRM5A2-A6-CB2	SSHS-IRM5A2-A6-CB2	10/25/2022	2 - 4 ft	1801468421	IRM5A2 AREA 6	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0027 U
SSHS-IRM5A2-A6-LP-B2	SSHS-IRM5A2-A6-LP-B2	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-A6-LP-S3	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.00071 U	< 0.0014 U
SSHS-IRM5A2-A6-LP-S3	SSHS-IRM5A2-DUP260	11/8/2022	0 - 2 ft	1801476081	IRM5A2 AREA 6	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.00085 U	< 0.0017 U
SSHS-IRM5A2-A6-S206	SSHS-IRM5A2-A6-S206	8/22/2022	0 - 2 ft	1801432951	IRM5A2 AREA 6	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.00081 U	< 0.0016 U
SSHS-IRM5A2-A6-S404	SSHS-IRM5A2-A6-S404	8/22/2022	2 - 4 ft	1801432961	IRM5A2 AREA 6	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.00069 U	< 0.0014 U
SSHS-IRM5A2-A6-S418	SSHS-IRM5A2-A6-S418	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0013 U	< 0.0013 U	0.0031	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0013 U	< 0.0026 U
SSHS-IRM5A2-A6-S420	SSHS-IRM5A2-A6-S420	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0011 U	< 0.0011 U	0.0035	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0022 U
SSHS-IRM5A2-A6-S425	SSHS-IRM5A2-A6-S425	9/13/2022	2 - 4 ft	1801444221	IRM5A2 AREA 6	< 0.0010 U	< 0.0010 U	0.0014	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U
SSHS-IRM5A2-A6-S629-BOT	SSHS-IRM5A2-A6-S629-BOT	11/8/2022	4 - 6 ft	1801476081	IRM5A2 AREA 6	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.00061 U	< 0.0012 U
SSHS-IRM5A2-B114	SSHS-IRM5A2-B114	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.0064 U	< 0.013 U
SSHS-IRM5A2-B117	SSHS-IRM5A2-B117	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.0069 U	< 0.014 U
SSHS-IRM5A2-B1605	SSHS-IRM5A2-B1605	5/9/2022	4 - 6 ft	1801378341	IRM5A2 AREA 5	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 U	< 0.00090 UT	< 0.00090 U	< 0.00090 U	< 0.0018 U
SSHS-IRM5A2-B698	SSHS-IRM5A2-B698	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.00092 U	0.0015	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	0.00094	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.00092 U	< 0.0018 U
SSHS-IRM5A2-B700	SSHS-IRM5A2-B700	3/18/2022	14 - 16 ft	1801354281	IRM5A2 AREA 2	< 0.0012 U	0.00051 J	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U
SSHS-IRM5A2-B753	SSHS-IRM5A2-B753	12/5/2021	0 - 2 ft	1801307851	IRM5A2 AREA 1													
SSHS-IRM5A2-DW3-S1	SSHS-IRM5A2-DW3-S1	11/10/2021	2 - 4 ft	1801298201	IRM5A2 AREA 1	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0093 U	< 0.0047 U	< 0.0093 U
SSHS-IRM5A2-FISR-S50	SSHS-IRM5A2-FISR-S50	6/30/2022	4 - 6 ft	1801406771	IRM5A2 AREA 3	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0048 U	< 0.0097 U
SSHS-IRM5A2-FISR-S52	SSHS-IRM5A2-FISR-S52	6/30/2022	6 - 8 ft	1801406771	IRM5A2 AREA 3	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.01 U
SSHS-IRM5A2-FISR-S59	SSHS-IRM5A2-FISR-S59	6/30/2022	2 - 4 ft	1801406771	IRM5A2 AREA 3	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.011 U
SSHS-IRM5A2-FL-B702	SSHS-IRM5A2-FL-B702	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 UT	< 0.0012 UT	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0024 U
SSHS-IRM5A2-FL-LPB2	SSHS-IRM5A2-FL-LPB2	8/17/2022	2 - 4 ft	1801430711	IRM5A2 FLORIDA	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 UT	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0021 U
SSHS-IRM5A2-FL-LPS1	SSHS-IRM5A2-FL-LPS1	8/17/2022	4 - 6 ft	1801430711	IRM5A2 FLORIDA	< 0.0016 UT	< 0.0016 U	< 0.0016 UT	< 0.0016 U	< 0.0016 UT	< 0.0016 UT	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0016 UT	< 0.0016 U	< 0.0016 U	< 0.0031 U
SSHS-IRM5A2-FLSP-S11	SSHS-IRM5A2-FLSP-S11	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.00086 U	< 0.0017 U
SSHS-IRM5A2-FLSP-S12	SSHS-IRM5A2-FLSP-S12	8/17/2022	6 - 8 ft	1801430701	IRM5A2 FLORIDA	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.00095 U	< 0.0019 U
SSHS-IRM5A2-Pipe5-S21	SSHS-IRM5A2-PIPE5-S21	5/20/2022	8 - 10 ft	1801384661	IRM5A2 AREA 5	< 0.0010 U	0.00042 J	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0010 U	< 0.0021 U
SSHS-IRM5A2-S135	SSHS-IRM5A2-S135	4/25/2022	4 - 6 ft	1801371261	IRM5A2 AREA 5	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0049 U	< 0.0099 U	< 0.0049 U	< 0.0099 U
SSHS-IRM5A2-S146	SSHS-IRM5A2-S146	4/21/2022	4 - 6 ft	1801370431	IRM5A2 AREA 5	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.0061 U	< 0.012 U
SSHS-IRM5A2-S217	SSHS-IRM5A2-S217	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S218	SSHS-IRM5A2-S218	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S219	SSHS-IRM5A2-DUP56	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S219	SSHS-IRM5A2-S219	3/19/2022	6 - 8 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S286	SSHS-IRM5A2-S286	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00039 U	< 0.00079 U
SSHS-IRM5A2-S287	SSHS-IRM5A2-S287	3/18/2022	10 - 12 ft	1801354282	IRM5A2 AREA 2	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.00056 U	< 0.0011 U
SSHS-IRM5A2-S315	SSHS-IRM5A2-S315	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00043 U	< 0.00085 U
SSHS-IRM5A2-S315A	SSHS-IRM5A2-S315A	4/5/2022	12 - 14 ft	1801362281	IRM5A2 AREA 2	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0093 U
SSHS-IRM5A2-S319	SSHS-IRM5A2-S319	3/18/2022	12 - 14 ft	1801354282	IRM5A2 AREA 2	< 0.00050 U	0.00035 J	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	0.00018 J	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.00050 U	< 0.0010 U
SSHS-IRM5A2-S464A	SSHS-IRM5A2-S464A	3/28/2022	2 - 4 ft	1801358361	IRM5A2 AREA 2	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.01 U

Table 1
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Former Sperry Remington Site - North Portion
Elmira, NY

						PCBs													
						PCBs	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Aluminum	Antimony	Arsenic	Barium
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						10												100	2000
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	0.17	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	7900	0.34 J	5.9	53
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	0.18	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	7600	0.54 J	5.4	96
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	5000	< 0.71 U	4.4	36
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.15	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	< 0.017 U	4200	< 0.83 U	3.8	25
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.16	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	< 0.018 U	4300	< 0.81 U	3.2	25
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	0.20	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	0.033	0.035	0.017 J	< 0.019 U	< 0.019 U	5300	1.1	7.4	140

Notes

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gray

Inside trench or native excavation

Table 1
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Former Sperry Remington Site - North Portion
Elmira, NY

						Metals												
						Beryllium mg/kg	Cadmium mg/kg	Calcium mg/kg	Chromium (III+VI) mg/kg	Cobalt mg/kg	Copper mg/kg	Iron mg/kg	Lead mg/kg	Magnesium mg/kg	Manganese mg/kg	Mercury mg/kg	Nickel mg/kg	Potassium mg/kg	Selenium mg/kg
20x TCLP RCRA Tox							20		100				100			4			20
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	0.36 J	0.11 J	910	9.5	7.3	30	19000	30	2000	400	0.039	15	580	0.62 J
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	0.34 J	0.15 J	2300	9.1	6.1	28	15000	36	2000	650	0.77	13	510 J	< 1.0 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.18 J	0.075 J	25000	6.3	4.8	17	12000	5.7	3600	310	< 0.028 U	13	380	0.61 J
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.16 J	0.11 J	45000	5.2	4.1	13	10000	5.4	3800	280	< 0.026 U	10	370 J	0.45 J
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	0.17 J	0.082 J	27000	5.5	4.2	13	10000	4.7	4100	230	< 0.024 U	10	470	0.43 J
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	0.36	0.10 J	4000	16	5.5	55	19000	66	2100	210	0.17	21	480	0.65 J

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gray

Inside trench or native

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Former Sperry Remington Site - North Portion
Elmira, NY

						Silver	Sodium	Thallium	Vanadium	Zinc	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	1,1-Biphenyl	Benzaldehyde	Benz(a)anthracene	Benzo(a)pyrene (BaP)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						100													
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.54 U	< 540 U	< 2.2 U	13	60	< 0.075 U	< 0.075 U	< 0.75 U	< 0.075 U	< 0.75 U	< 0.37 U	< 0.75 U	< 0.075 U	< 0.075 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.52 U	< 520 U	< 2.1 U	13	75	< 0.079 U	< 0.079 U	< 0.79 U	0.023 J	< 0.79 U	< 0.39 U	< 0.79 U	0.13	0.1
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.36 U	40 J	< 1.4 U	7.2	62	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.41 U	47 J	< 1.7 U	6.3	84	< 0.069 U	< 0.069 U	< 0.69 U	< 0.069 U	< 0.69 U	< 0.34 U	< 0.69 U	< 0.069 U	< 0.069 U
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.40 U	41 J	< 1.6 U	6.8	77	< 0.071 U	< 0.071 U	< 0.71 U	< 0.071 U	< 0.71 U	< 0.35 U	< 0.71 U	< 0.071 U	< 0.071 U
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.43 U	97 J	< 1.7 U	16	57	< 0.078 U	0.042 J	< 0.78 U	0.032 J	< 0.78 U	< 0.38 U	< 0.78 U	0.1	0.15

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Inside trench or native

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Elmira, NY

						Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Bis(2-chloroethoxy)methane	Bis(2-chloroethyl) ether	Bis(2-chloroisopropyl) ether	Bis(2-ethylhexyl) phthalate (DEHP)	4-Bromophenyl phenyl ether	Butylbenzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline (p-Chloroaniline)	4-Chloro-3-methylphenol	2-Chloronaphthalene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.075 U	< 3.7 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	0.11	0.045 J	0.061 J	< 0.39 U	< 0.079 U	< 0.079 U	< 3.9 U	< 0.39 U	< 0.39 U	< 2 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.079 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.069 U	< 3.4 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.071 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.071 U	< 0.071 U	< 3.5 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.071 U
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	0.18	0.081	0.26	< 0.38 U	< 0.078 U	< 0.078 U	< 3.8 U	< 0.38 U	< 0.38 U	< 2 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.078 U

Notes

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Inside trench or native

Table 1
Scraping Area 1G Confirmation Data
Former Sperry Remington Site - North Portion
Elmira, NY

						SVOCs													
						2-Chlorophenol	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	2,4-Dichlorophenol	Diethylphthalate	2,4-Dimethylphenol	Dimethylphthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	4,6-Dinitro-2-methylphenol	2,6-Dinitrotoluene	2,4-Dinitrophenol	2,4-Dinitrotoluene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																			2.6
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.37 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 1.9 U	< 0.37 U	< 3.7 U	< 0.37 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.39 U	0.12	< 0.079 U	< 0.39 U	< 0.079 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 2 U	< 0.39 U	< 3.9 U	< 0.39 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 1.8 U	< 0.34 U	< 3.4 U	< 0.34 U
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 1.8 U	< 0.35 U	< 3.5 U	< 0.35 U
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.38 U	0.18	0.097	< 0.38 U	< 0.078 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 2 U	< 0.38 U	< 3.8 U	< 0.38 U

Notes

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Elmira, NY

						1,4-Dioxane	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno (1,2,3-cd)pyrene	2-Methylphenol	3,3-Dichlorobenzidine	4-Chlorophenyl phenyl ether	Isophorone	2-Methylnaphthalene	4-methylphenol
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox									2.6	10		60		4000					4000
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.75 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.075 U	< 0.37 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.79 U	0.21	< 0.079 U	< 0.079 U	< 0.079 U	< 0.39 U	< 0.39 U	0.051 J	< 0.39 U	< 0.39 U	< 0.39 U	< 0.39 U	< 0.079 U	< 0.39 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.69 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.34 U	< 0.069 U	< 0.34 U
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.71 U	< 0.071 U	< 0.071 U	< 0.071 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.071 U	< 0.35 U
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.78 U	0.11	< 0.078 U	< 0.078 U	< 0.078 U	< 0.38 U	< 0.38 U	0.2	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	0.083	< 0.38 U

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Elmira, NY

						Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propylamine	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	1,2,4,5-Tetrachlorobenzene	2,3,4,6-Tetrachlorophenol
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox										40				2000					
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.075 U	< 1.9 U	< 1.9 U	< 1.9 U	< 0.75 U	< 0.37 U	< 1.9 U	< 0.075 U	< 1.9 U	< 0.075 U	< 0.37 U	< 0.075 U	< 0.37 U	< 0.37 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.079 U	< 2 U	< 2 U	< 2 U	< 0.79 U	< 0.39 U	< 2 U	< 0.079 U	< 2 U	< 0.079 U	< 0.39 U	0.19	< 0.39 U	< 0.39 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.069 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.69 U	< 0.34 U	< 1.8 U	< 0.069 U	< 1.8 U	< 0.069 U	< 0.34 U	< 0.069 U	< 0.34 U	< 0.34 U
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.071 U	< 1.8 U	< 1.8 U	< 1.8 U	< 0.71 U	< 0.35 U	< 1.8 U	< 0.071 U	< 1.8 U	< 0.071 U	< 0.35 U	< 0.071 U	< 0.35 U	< 0.35 U
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	0.063 J	< 2 U	< 2 U	< 2 U	< 0.78 U	< 0.38 U	< 2 U	< 0.078 U	< 2 U	0.15	< 0.38 U	0.16	< 0.38 U	< 0.38 U

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Elmira, NY

						2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	Acetone	Benzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon Tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox						8000	40		10						10	2000			120
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.37 U	< 0.37 U	< 0.023 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.39 U	< 0.39 U	< 0.023 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.34 U												
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.34 U	< 0.34 U												
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2	< 0.35 U	< 0.35 U												
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.38 U	< 0.38 U	< 0.0074 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U

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Elmira, NY

						Chloromethane	Cyclohexane	1,2-Dibromo-3-Chloropropane	Dichloromethane	1,2-Dibromoethane	Dichlorodifluoromethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethene	cis-1,2-Dichloroethene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox														150		10	14		
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U	< 0.0058 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U	< 0.0058 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U	< 0.0012 U

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Elmira, NY

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						trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon 113	2-Hexanone (MBK)	Isopropylbenzene	Methyl Acetate	Methylcyclohexane	Methyl Ethyl Ketone	4-Methyl-2-pentanone	Methyl-tert-butyl ether	Styrene
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox																4000			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location														
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.029 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.029 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2														
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0012 U	< 0.0062 U	< 0.0062 U	< 0.0012 U	< 0.0012 U

Notes

Inside trench or native

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Elmira, NY

						1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylene (m)	Xylene (o)	Xylenes (Total)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
20x TCLP RCRA Tox							14						10		4			
Location	Sample Name	Sample Date	Sample Depth (ft bgs)	Lab Report	Site Location													
SSHS-IRM5A2-S481	SSHS-IRM5A2-S481	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U
SSHS-IRM5A2-S482	SSHS-IRM5A2-S482	4/21/2022	2 - 4 ft	1801370431	IRM5A2 AREA 5	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.012 U
SSHS-IRM5A2-S575	SSHS-IRM5A2-S575	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S576	SSHS-IRM5A2-S576	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S577	SSHS-IRM5A2-S577	3/19/2022	8 - 10 ft	1801354701	IRM5A2 AREA 2													
SSHS-IRM5A2-S861	SSHS-IRM5A2-S861	5/5/2022	0 - 2 ft	1801376931	IRM5A2 AREA 4	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0012 U	< 0.0025 U

Notes
PCBs - Polychlorinated Biphenyls
SVOCs - Semivolatile Organic Compounds
VOCs - Volatile Organic Compounds
mg/kg - milligrams per kilogram
B - Compound detected in method blank
E - Exceeds instrument calibration range.
F1 - MS and/or MSD Recovery is outside acceptance limits.
F2 - MS/MSD RPD exceeds control limits
H3 - Sample was received and analyzed past holding time.
I - Value is EMPC (estimated maximum possible concentration)
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
T - Indicates that a quality control parameter has exceeded laboratory limits
U - non detect at the value indicated
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and
gray

Inside trench or native

Profile #30409
Additional 2,500 tons regrading soil
See Sample Plan for Notes

Storm Water Line Trenching Volumes

2H:2V Benched Walls	Estimated Volume (CY)
Volume in Fill	1,818
Volume in Native	50
Volume Total	1,868

Water Line Trenching Volumes

2H:2V Benched Walls	Estimated Volume (CY)
Volume in Fill	164
Volume in Native	1
Volume Total	165

Infiltration Gallery Excavation Volumes [7]

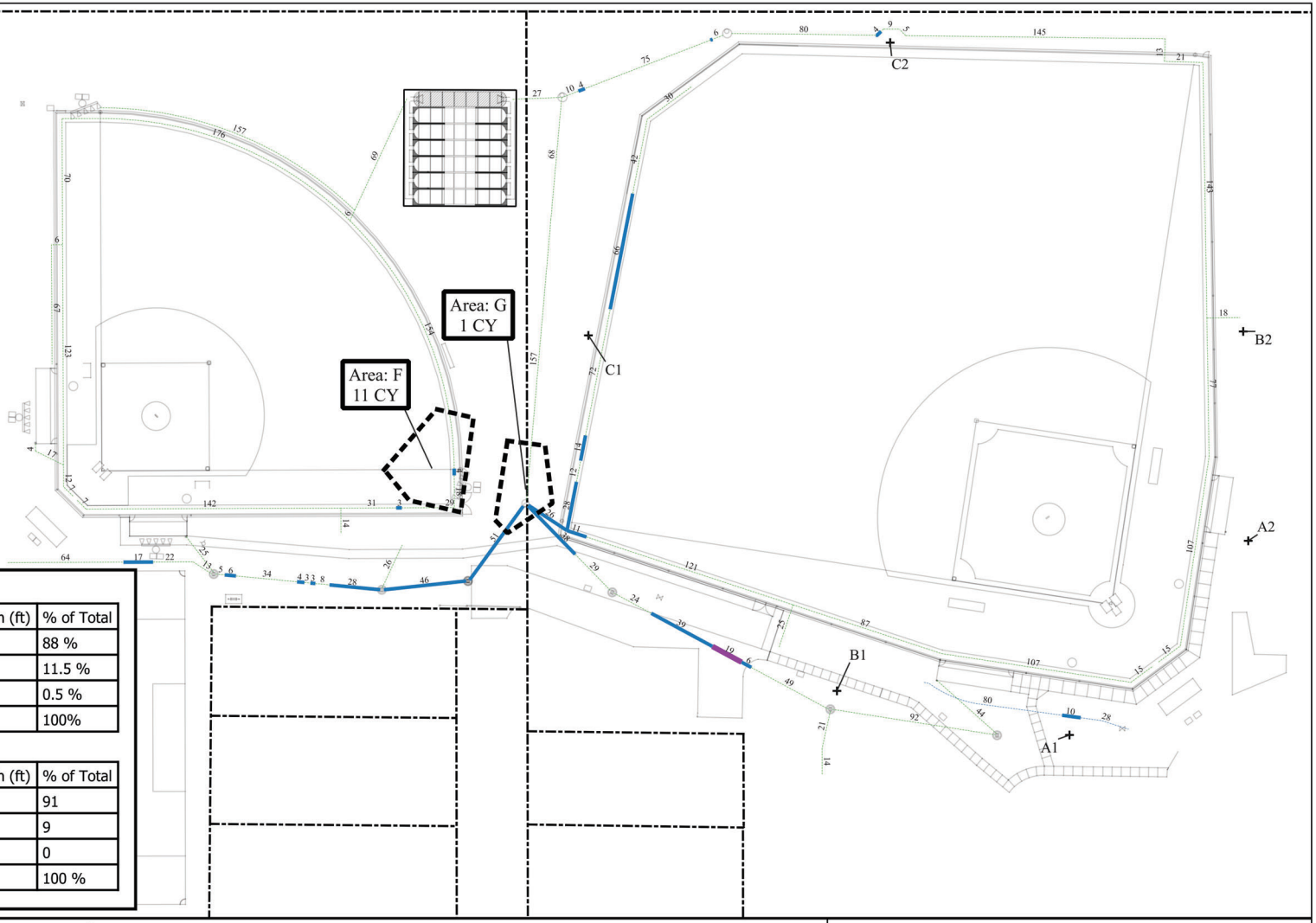
2H:2V Benched Walls	Estimated Volume (CY)
Volume in Fill	3,129
Volume in Native	7
Volume Total	3,136

Storm Water Piping

Native Impact Thickness Interval	Estimated Piping Length (ft)	% of Total
0'	3,074	88 %
>0'-2'	399	11.5 %
2'-4'	18.5	0.5 %
Total	3,492	100%

Water Piping

Native Impact Thickness Interval	Estimated Piping Length (ft)	% of Total
0'	108	91
>0'-2'	10	9
2'-4'	0	0
Total	118	100 %



Legend

- Metes & Bounds Property Line
- Exisiting Light Pole
- 2023-04-13 HUNT Infiltration Gallery Footprint - 4 ft buffer
- 2023-04-13 HUNT Base Features
- 2023-04-13 HUNT Water Line (subset)
- 2023-04-13 HUNT Storm Water Line
- Addendum 8 Phase 2 Additional Scraping Area

Native Impact Depths (ft)
- 0
- >0-2
- 2-4

Notes:

1) HUNT Proposed features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 04-13-23.
2) Volumes, lengths and impact thickness intervals estimated from final grade surface provided in HUNT DWG "SITE-NEW-3D.dwg" dated 04-13-23 and subgrade surface provided in HUNT DWG "IRM5A2-DEMARK_4-14-2023.dwg" dated 04-14-23.
3) ft and ' = feet, CY = Cubic Yards, El. = Elevation in feet.
4) Water line depth is assumed to be 5 ft less than final grade
5) The information illustrated herein is for estimation purposes only and is based on engineering design plans provided by HUNT. See HUNT Engineeering plans for details.
6) Assumes excavation bottom at El. 842
7) Equipment will access ISMP excavations using temporary transit roads. Transit road locations will be determined in the field as excavations progress in coordination with NYSDEC oversight.
8) The estimated trench lengths/volumes of fill and native impacts depicted herein are based on an ideal cross sectional profile that includes pipe diameter, bedding material and sidewall benching. The cross section profile elevation varies based on pipe design inverts. The actual volume of fill and native impacts will likely be greater than the ideal calculations as the ideal calculations do not include constructability concerns.

0 30 60 ft

NAF Infiltration Gallery Installation ISMP

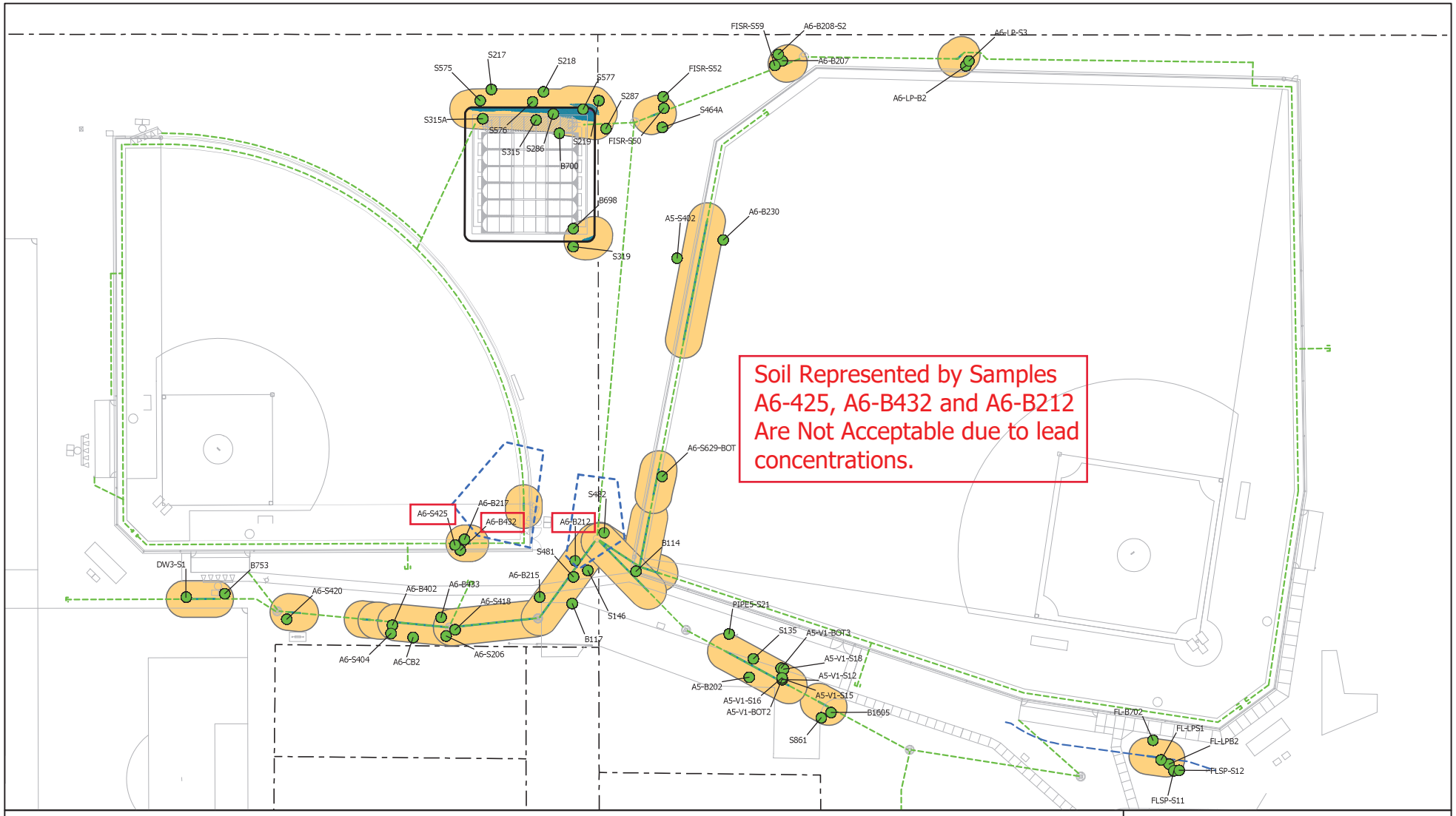
Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | May 2, 2022

Figure 1

Profile #30409
Additional 2,500 tons regrading soil



ISMP EWP Native Excavations

IRM5A2
Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants
Minneapolis, MN

May 2023

Figure 1

P:\G\SIG\Sprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira - Waste Characterization.aprx

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☐ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation

Mailing Address: 1399 Pilot Knob Road

City: Eagan State: MN ZIP Code: 55121

Contact Name: Terry Etter Title: Project Manager

Phone: 651-212-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services, LP Keller

Billing Address: 9977 Sam Houston

City: Houston State: TX ZIP Code: 77064

Contact Name: Larry Endicott Title: Project Manager

Phone: (609) 357-8470 Fax: _____ Email: larry.endicott@keller-na.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologist of New York, PC

Contact Name: Aron Krasnopoler Title: Senior Engineer

Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity ☑ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): 2,000 ☑ Tons ☐ Cubic Yards ☐ Other: _____

Density of Waste (Approximate): 3,800 Pounds/Cubic Yard

Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____

Hauler Name: Multiple Haulers

Mailing Address: Various Addresses Phone: _____

Transporter Permit #: NYS Part 364 Permitted- Copies of Permits Provided (for State of Disposal)

Previous Disposal Facility (Name): Not Applicable

Application Was Submitted to/Approved by Another Disposal Facility (Name): Not Applicable

VI. Waste Stream Information

Common Waste Name: IRM5A2-Addendum 8 Phase 3

Location or Address of Waste Generation Site: 777 South Main Street

City: Elmira State: NY ZIP Code: 14904 County: Chemung

Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential

☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Former Sperry Remington Site- North Portion (NYSDEC #c80 8022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 19 47-19 72. Manufacturing operations/features included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining and assembly of parts, plating, degreasing. Soil generated from the eastern property line under IRM5A2-Addendum 8 Phase 3, see attached Figures and Process Description

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Soil is uniform in nature with no detectable discoloration or odor. Waste includes soil and debris (metal piping and concrete fragments) Representative Soil Sample IDs are listed on the attached summary. See attached Process Description.

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☒ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Unisys has made a good faith effort to determine if the source of the contaminates through historical records review of relevant available documents (see waste determination). Unisys was unsuccessful in determining the specific source of the contaminants as listed wastes and therefore conclude the contaminated media is from an unknown source. Analytical data

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: 8/18/23

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab X Composite

Sample Source: X Boring(s) ____ Test Pit(s) ____ Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☑ TCLP RCRA 8 Metals
- ☑ TCLP Volatile Organic Compounds (VOCs)
- ☑ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☐ TCLP Herbicides
- ☐ TCLP Pesticides
- ☑ Reactive Sulfide
- ☑ Reactive Cyanide
- ☑ Total PCBs
- ☑ % Solids (Moisture Content)
- ☑ Free Liquids (Paint Filter)
- ☑ Corrosivity by pH
- ☑ Ignitability / Flashpoint

X See Generator Knowledge Statement in Lieu of Testing

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Based on generator knowledge, an analytical testing waiver for Herbicides and Pesticides is requested. These parameters are not constituents of concern for the soil included in this request. Analysis for herbicides and pesticides as part of remedial investigation activities in this area did not have detections that included characteristic waste. Therefore, waste characterization analysis for these parameters is not needed.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Monday, November 13, 2023 6:32 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Don Trego <DTrego@Geosyntec.com>; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Edward Lopez <edward.lopez@casella.com>; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #30804 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 3 - Eastern Property Line Amendment #1 Soil for Disposal

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Update: A tonnage increase is not needed, project was underestimated. Approval for 500 tons of soil from sample locations included on attached Sample Location Plan represented by analytical results for **Sample ID A8PH3A1 (WC 2-4, WC 4-6, WC 6-8)**; IRM5A2-Addendum 8 Phase 3 Amendment #1 Eastern Property Line of the Northern Athletic Field from 2-4, 4-6 and 6-8 feet bgs.

All loads must be delivered with a manifest and include: waste description **[Contaminated Soil**], Source Area [**IRM 5A2 Addendum 8 Phase 3 Amendment #1**], intended use [**DISPOSAL**] and Profile **[#30804**]

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Friday, September 1, 2023 2:34 PM

To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #30804 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 3 - North, South & Center Sections of Eastern Property Line Soil for Disposal

Update: Approval for 400 tons of soil from sample locations included on attached Sample Location Plan represented by analytical results for Sample ID SSHS-IRM5A2-CENTERCOMP; IRM5A2-Addendum 8 Phase 3 Eastern Property Line (Center Section) **only**.

All loads must be delivered with a manifest and include: waste description **[Contaminated Soil]**, Source Area [**IRM 5A2 Addendum 8 Phase 3 Eastern Property Line/Center Section**], intended use [**DISPOSAL**] and Profile **[#30804]**

Note to Customer & Landfill: Soil from the Center Section must be pre-scheduled for delivered in a lined trailer (burrito wrapped) and managed for direct disposal to minimize dust.

From: Karen Flanders
Sent: Thursday, August 24, 2023 11:13 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>

Subject: UPDATE: #30804 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 3 North & South Sections of Eastern Property Line Soil for Disposal

Update: Approval for 800 tons of soil from sample locations included on attached Sample Location Plan represented by analytical data for IRM5A2-Addendum 8 Phase 3 Eastern Property Line (South Section) **only**.

All loads must be delivered with a manifest and include: waste description **[Contaminated Soil]**, Source Area [**IRM 5A2 Addendum 8 Phase 3 Eastern Property Line/South Section**], intended use [**DISPOSAL**] and Profile **[#30804]**

From: Karen Flanders
Sent: Tuesday, August 22, 2023 10:04 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #30804 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 3 North Section of Eastern Property Line Soil for Disposal

Note To Customer: Approval for 800 tons of soil from sample locations included on attached Sample Location Plan represented by analytical data for IRM5A2-Addendum 8 Phase 3 Eastern Property Line (North Section) **only**. All loads must be delivered with a manifest and include: waste description **[Contaminated Soil]**, Source Area [**IRM 5A2 Addendum 8 Phase 3 Eastern Property Line/North Section**], intended use [**DISPOSAL**] and Profile **[#30804]**

Profile #30804 – Approval for DISPOSAL (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation
	777 S. Main Street

	Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Silverole Trucking LV Smith K&L Trucking KA Transport
Customer:	Remedial Construction Services (ReCon)
Material/Description:	Contaminated Soil from IRM5A2 Addendum 8 Phase 3 Eastern Property Line (Northern Section) Eastern Property Line (Southern Section) Eastern Property Line (Center Section) **Eastern Property Line (Amendment #1)**
Classification:	Industrial / Disposal
Quantity:	~~800 tons~~ ~~1,600 tons~~ **2,000 tons**
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	~~**11/22/2023**~~ **12/31/2023**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson
- NYSDEC Region 9 Approval Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

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Green circles are test pit locations that encompass a composite sample for waste characterization sample collected from 2-4, 4-6 and 6-8' bgs.

A8PH3 B35
A8PH3 B34
A8PH3 B33
A8PH3 B32
A8PH3 B31
A8PH3 B30
A8PH3 B29
A8PH3 B28
A8PH3-B27

Legend

- 2023-01-06 HUNT Metes & Bounds Property Line
- 2023-06-22 HUNT Proposed Base Features
- 2023-10-17 Subgrade Elevation Contour
- 2023-10-17 IRM-5A2 Limit of Excavation
- 2023-10-19 HUNT Proposed Future Final Grade Contour
- Proposed Excavation
- Import Stockpile
- Temporary Transit Road
- Exisiting Sample Location

Notes:

1) Final grade contours provided in HUNT DWG "SITE-NEW-3D.dwg" dated 10-19-23, and IRM-5A2 limit of excavation and subgrade surface provided in HUNT DWG "IRM5A2-SG_10-17-2023" dated 10-24-23. Base features from HUNT DWG "SITE-NEW-2D BASEBID.dwg" dated 06-22-23. Metes & Bounds features from HUNT DWG "Elimra HS Environ Ease 1-6-23" dated 01-06-23.

N NE E SE S SW W NW

0 25 50 ft

Proposed Excavation
Addendum 8 Phase 3 Amendment 1

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | October 25, 2023

Figure 3

Geosyntec consultants

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

16 August 2023

Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: IRM NAF Eastern Boundary Waste Characterization
Former Sperry Remington Site – North Portion
Elmira, New York

To Whom It May Concern:

The purpose of this letter is to provide clarification on the origin of waste that is anticipated to be generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report (May 2017) submitted to NYSDEC. From the late 1880s to the early 1970s, the EHS property has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of EHS in 1979.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove soils impacted by polychlorinated biphenyl (PCB) and metals from the Site. Wastes generated from this property as part of this IRM are unknown in origin and cannot be linked to an individual process. In response to detections of mercury in soils along the eastern boundary, NYSDEC requested analyses for mercury speciation. Detections of elemental mercury reported up to 12 nanograms per gram at the sample location with the highest detection of total mercury of 220 millgrams per kilogram. Analytical reports for total constituent analyses, elemental mercury and toxicity characteristic leaching procedure (TCLP) have been provided previously to Casella under separate cover. The enclosed technical memorandum provides further review of the elemental mercury analyes with the conclusion that significant concentrations of elemental mercury are not likely to present in Site soils.

Sincerely,

Aron Krasnopoler, Ph.D., P.E.
B & B Engineers & Geologists, P.C.

Enclosure

Geosyntec consultants

100 Washington Ave S
Suite 1590
Minneapolis, MN 55401
www.geosyntec.com

Memorandum

Date:	August 16, 2023
To:	Karen Flanders, Special Waste Department
From:	Spencer Washburn, Ph. D., Geosyntec Consultants, Inc.
Subject:	Review of Elemental Mercury Analyses of Soil Samples from the Former Sperry Remington Site – North Portion

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This Technical Memorandum provides a review of laboratory analyses for elemental mercury in soil samples collected from the Former Sperry Remington Site – North Portion (Site) located in Elmira, New York. The New York Department of Environmetnal Conservation (NYSDEC) requested soil mercury (Hg) speciation due to detections of total mercury of of 220 mg/kg and 120 mg/kg in samples SSHS-IRM5A2-SCV50-0-0.58 and SSHS-IRM5A2-SCV50-0.58-1.58, respectively, by Eurofins Pittsburgh as reported in Analytical Report 180-154808-1 (Attachment 1). Soil samples were collected from the previously sampled locations on 21 July 2023 and shipped to the Eurofins Seattle, WA laboratory for analyses for elemental Hg and were received on 24 July 2023. Elemental Hg was detected in samples SSHS-IRM5A2-SCV49-0-0.17 and SSHS-IRM5A2-SCV50-0-0.58 at 9.7 and 12 nanograms per gram (ng/g) as reported in Analytical Report 180-159727-1 (Attachment 2).

This Technical Memorandum provides an overview of typical soil Hg speciation (Section 1), reviews the modified method used by Eurofins to analyze samples of Site soils for elemental mercury data (Section 2), and evaluates the potential defeciencies in this methodology that could lead to analytical artifacts (Section 3).

This Technical Memorandum was prepared by Dr. Spencer Washburn of Geosyntec. Dr. Washburn is an environmental geochemist with nine years of experience in mercury biogeochemistry. His technical background includes expertise in stable isotope measurements and mass spectrometry, as well as a wide range of environmental geochemical analyses. Dr. Washburn's graduate school research focused on using mercury stable isotopes to trace biogeochemical pathways within aquatic and natural gas systems, and his post graduate research focused on the development and validation of a passive sampler for methylmercury within sediment porewaters, and on understanding the environmental controls on fluvial periphyton

composition and effects on aquatic mercury cycling. Dr. Washburn's resume is provided as Attachment 3.

1. BRIEF OVERVIEW OF MERCURY SPECIATION WITHIN SOILS

Hg can exist in soils in a number of different states and species, with Hg speciation strongly controlled by the biogeochemical conditions of the soil as well as the predominant sources of Hg to the soil matrix. The two most stable oxidation states of Hg within soils are Hg^0 (elemental Hg) and Hg^{2+}. Elemental Hg is typically not observed within soils due to high volatility leading to Hg evasion from the soil matrix and susceptiblity to oxidation to Hg^{2+} species under commonly observed soil geochemical conditions. Hg^{2+} forms a variety of species within soil matrices, with the physico-chemical parameters of soil (e.g. pH, cation exchange capacity, etc.) controlling the distribution of these species. In many soil matrices, soil organic matter represents a strong ligand for inorganic mercury and also promotes oxidation of Hg^0 to Hg^{2+}. In soils that have not been impacted by direct releases of metallic Hg, Hg^{2+} speices predominate (Taube et al., 2008; O'Connor et al., 2019).

2. REVIEW OF ELEMENTAL MERCURY ANALYTICAL METHODOLOGY

Despite years of active research, there is a lack of a consensus protocol for analyzing Hg speciation, and in particular elemental Hg, within soil samples (Issaro et al., 2009; Reis et al., 2016). Sequential extraction methods, like EPA Method 3200, only provide information on operationally-defined mercury phases (e.g. acid-soluble fraction), rather than direct data on Hg speciation (Bloom et al., 2003). Regardless of matrix, all mercury speciation analyses must overcome the challenge of finding techniques that both minimize Hg losses and maintain *in situ* geochemical conditions prior to Hg extraction, particularly maintaing redox state to limit redox-driven changes in speciation. These challenges are particularly acute for solid samples, including soils, as the most sensitive Hg analysis methods (e.g. EPA Method 1631) rely on introduction of a liquid or gas phase sample into the analyzer, so conversion from the solid phase must occur prior to analysis.

As no standard method exists for analyzing elemental Hg within solids, the Eurofins analytical laboratory uses a combination of modified standard methods to obtain elemental Hg concentrations for soil samples. In brief, elemental Hg is extracted from the solid sample using a standard purge and trap method in combination with a sorbent trap in accordance with USEPA Method 30B, then then the trapped Hg is quantified via standard USEPA Method 1631B protocols for analysis by cold vapor atomic flouresence spectrometry. The combination of USEPA Methods 30B and 1631B is a relatively common Hg analysis technique, however the addition of the purge and trap sample

preparation is not standard. This technique is predicated on the assumption that elemental Hg within the solid matrix is purgeable, and that other Hg species within the solid matrix are sufficiently stable so as not to undergo volatilization. These assumptions have not been verified for soil matrices.

3. EVALUATION OF THE POTENTIAL FOR SPURIOUS ELEMNTAL MERCURY VALUES

There are multiple lines of evidence that the observation of elemental Hg within the Site soil samples may be related to analytical artifacts and not representatitve of the actual presence of elemental Hg within the soils.

- **Lack of site specific evidence for release of elemental Hg**: There is no historical documentation at this portion of the site of the use of any mercury-containing chemical, including any use of liquid metallic Hg. Elemental Hg is not typically found in soils without direct release of metallic liquid Hg, as elemental Hg is quickly oxidized to Hg^{2+} species in soil matrices or lost to the atmosphere due to volatilization (O'Connor et al., 2019). Without historical evidence of metallic Hg use in the vicinity of the collected soil samples or visual confirmation of metallic Hg within the soils, there is no reason to expect that there would be a significant source of elemental Hg at this portion of the site.

- **Artifact creation during sample storage and shipping conditions**: Soil sample shipping was delayed, with samples arriving at the Eurofins laboratory at a temperature near freezing. If the samples were allowed to freeze during transport, inorganic Hg^{2+} could have been converted to elemental Hg (Parker & Bloom, 2005). The shipping delays also resulted in the period between soil sample collection and purge and trap sample preparation to be extended to 12 days. Storage periods of this length have been demonstrated to have impacts on the observation of elemental Hg, as the redox state of the sample may not be stable, resulting in the conversion of inorganic Hg^{2+} to elemental Hg (Parker & Bloom, 2005).

- **Possiblity of spurious creation of elemental Hg artifacts during purge and trap sample processing**: The purge and trap sample preparation step undertaken by Eurofins, as described in detail in Section 2, has the potential to lead to the creation of elemental Hg artifacts. As this method involves purging the sample with an inert carrier gas to trap any elemental Hg that evades the purge and trap vessel on a sorbent trap (as described in EPA Method 30B), the redox conditions within the soil sample matrix can be drastically altered, resulting in the reduction of weakly bound inorganic Hg^{2+} to dissolved gaseous elemental

Hg (Wang et al., 2015). Such changes in redox state would result in the anomalous measurement of elemental Hg when it was not originally present within the soil sample.

- **Lack of correlation between elevated THg concentrations and elemental Hg concentrations for the soil samples**: There is not a clear correlation between THg concentration and elemental Hg concentration for the analyzed soil samples. If elemental Hg was present as a significant species within these soils, it would be expected to be well correlated with the observation of THg concentrations elevated above regional background concentrations. Some hetereogeneity in elemental Hg concentration would be expected with slight variations in soil geochemical conditions, but the soils collected from this area are sufficiently homogenous that this variation can be expected to be minimal.

CLOSING

This review discussed the speciation of Hg within soils, the analytical methods utilized by Eurofins analytical laboratory to measure elemental Hg, and the multiple lines of evidence that support the possibility of analytical artifacts leading to spurious observations of elemental Hg. Based on this review, it can reasonably be concluded that the presence of significant concentrations of elemental Hg within the soil samples collected from Site is unlikely.

* * * * *

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Attachment 1

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Former Sperry Remington-SCV

JOB NUMBER

180-154808-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

my EOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



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

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Job ID: 180-154808-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-154808-1

Receipt
The samples were received on 4/8/2023 at the Eurofins Pittsburgh, PA and Sacramento, CA laboratories; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.0º C, 1.4º C, 1.6º C, 2.5º C, 3.3º C and 4.8º C.

GC/MS VOA
Method 8260C: The recovery of surrogates 1,2-Dichloroethane-d4 and/or Dibromofluoromethane were above the control limits for the following samples: SSHS-IRM5A2-SCV45-0.92-1.92 (180-154808-4), SSHS-IRM5A2-SCV48-0.67-1.67 (180-154808-13), SSHS-IRM5A2-SCV49-0-0.17 (180-154808-14), SSHS-IRM5A2-SCV49-0.17-0.75 (180-154808-15), and SSHS-IRM5A2-SCV49-0.75-1.75 (180-154808-16). As the surrogates were high and there were no target analytes detected in the samples, the results were reported.

Method 8260C: The matrix spike (MS) of sample SSHS-IRM5A2-SCV50-0-0.58 (180-154808-18) had the recoveries of 2-Butanone and Dichlorodifluoromethane above the control limits. The RPD between the spikes was also above the control limits for 2-Butanone.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-432752 recovered above the control limits for the following analyte: Dichlorodifluoromethane. As this analyte was biased high in the LCSD and was not detected in the associated samples, the results were reported.

Method 8260C: The laboratory control sample duplicate (LCSD) for batch 180-432856 recovered above the control limits for the following analytes: Dichlorodifluoromethane and Methyl acetate. As these analytes were biased high in the LCSD and were not detected in the associated samples, the results were reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432752 was below criteria for the following analytes: Acetone, 2-Hexanone, and 2-Butanone. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432752 was above criteria for the following analytes: Methyl acetate, Dichlorodifluoromethane, and 1,1,2-Trichloro-1,2,2-trifluoroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432856 was below criteria for the following analytes: 1,4-Dioxane, Chloromethane, and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 180-432856 was above criteria for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dichloroethane, Acetone, Carbon disulfide, Dichlorodifluoromethane, and Methyl acetate. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC/MS Semi VOA
Method 8270D: The laboratory control sample (LCS) for preparation batch 180-432388 recovered above the control limits for the following analyte: 4,6-Dinitro-2-methylphenol. As this analyte was biased high in the LCS and was not detected in the associated samples, the results were reported.

Method 8270D: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-SCV50-0-0.58 (180-154808-18) had the recoveries of Benzaldehyde below the control limits. The RPD between the spikes and the recovery of the laboratory control sample (LCS) were within the control limits.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-432402 was below criteria for the following analyte:

Job ID: 180-154808-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

Caprolactam. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-432402 was above criteria for the following analyte: Terphenyl-d14 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 180-432494 was above criteria for the following analyte: Nitrobenzene-d5 (surrogate). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

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

GC Semi VOA

Method 8082A: The method blank (MB 180-432210/1-C) had the recovery of surrogate decachlorobiphenyl above the control limits on column RTX-CLP1 and the recovery of tetrachloro-m-xylene above the control limits on column RTX-CLP2. The recoveries on the other columns were within the control limits. All associated sample surrogate recoveries were within the control limits.

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

Metals

Method 6010C: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: SSHS-IRM5A2-SCV44-0.75-1.75 (180-154808-1). All analytes referencing the yttrium internal standards required dilution due to the yttrium internal standard counts being above the 70%-130% control limits.

Method 6010C: The following sample was diluted to bring the concentration of iron within the linear range of the instrument: SSHS-IRM5A2-SCV45-0.92-1.92 (180-154808-4). Elevated reporting limits (RLs) are provided. Arsenic, cadmium, lead, and thallium were also reported from dilution due to inter-element corrections associated with iron.

Method 6010C: The following sample was diluted to bring the concentration of calcium within the linear range of the instrument: SSHS-IRM5A2-SCV49-0.75-1.75 (180-154808-16). Elevated reporting limits (RLs) are provided.

Method 6010C: The method blank for preparation batch 180-432524 contained iron and zinc above the reporting limit (RL). As the associated samples contained these analytes at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The method blank for preparation batch 180-432882 contained zinc above the reporting limit (RL). As the associated samples contained zinc at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The method blank for preparation batch 180-432889 contained zinc above the reporting limit (RL). As the associated samples contained zinc at concentrations greater than ten-times that of the method blank, the results were reported.

Method 6010C: The matrix spike/matrix spike duplicate (MS/MSD) of sample SSHS-IRM5A2-SCV50-0-0.58 (180-154808-18) had several recoveries and the majority of RPDs between the spikes outside of the control limits. The recoveries of the laboratory control sample were within the control limits. The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) was greater than 10% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated RPD values were obtained.

Method 7471B: The following samples were diluted to bring the concentration of target analytes within the calibration range for Mercury: SSHS-IRM5A2-SCV44-0.75-1.75 (180-154808-1), SSHS-IRM5A2-SCV49-0-0.17 (180-154808-14), SSHS-IRM5A2-SCV49-0.17-0.75 (180-154808-15), SSHS-IRM5A2-SCV49-0.75-1.75 (180-154808-16), SSHS-IRM5A2-SCV-DUP17 (180-154808-17), SSHS-IRM5A2-SCV50-0-0.58 (180-154808-18) and its matrix spikes, and SSHS-IRM5A2-SCV50-0.58-1.58 (180-154808-19). Elevated reporting limits (RLs) are provided.

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

Job ID: 180-154808-1 (Continued)

Laboratory: Eurofins Pittsburgh (Continued)

General Chemistry

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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

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

Glossary

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

Glossary (Continued)

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11182	05-03-23

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

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

Sample Summary

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

Job ID: 180-154808-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Solid	04/07/23 09:00	04/08/23 08:35
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Solid	04/07/23 09:05	04/08/23 08:35
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Solid	04/07/23 09:10	04/08/23 08:35
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Solid	04/07/23 09:15	04/08/23 08:35
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Solid	04/07/23 09:20	04/08/23 08:35
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Solid	04/07/23 00:00	04/08/23 08:35
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Solid	04/07/23 09:25	04/08/23 08:35
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Solid	04/07/23 09:30	04/08/23 08:35
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Solid	04/07/23 09:35	04/08/23 08:35
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Solid	04/07/23 09:40	04/08/23 08:35
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Solid	04/07/23 09:45	04/08/23 08:35
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Solid	04/07/23 09:50	04/08/23 08:35
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Solid	04/07/23 09:55	04/08/23 08:35
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Solid	04/07/23 10:00	04/08/23 08:35
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Solid	04/07/23 10:05	04/08/23 08:35
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Solid	04/07/23 10:10	04/08/23 08:35
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Solid	04/07/23 00:00	04/08/23 08:35
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Solid	04/07/23 10:15	04/08/23 08:35
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Solid	04/07/23 10:20	04/08/23 08:35
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Solid	04/07/23 10:25	04/08/23 08:35

Method Summary

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

Job ID: 180-154808-1

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

Protocol References:

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

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

Laboratory References:

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

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75
Lab Sample ID: 180-154808-1
Date Collected: 04/07/23 09:00
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431992	04/11/23 17:10	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75
Lab Sample ID: 180-154808-1
Date Collected: 04/07/23 09:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3026 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 15:01	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 12:41	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 16:55	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.16 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:12	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			1.16 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433520	04/26/23 19:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.67 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		5			433778	04/28/23 15:50	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17
Lab Sample ID: 180-154808-2
Date Collected: 04/07/23 09:05
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431992	04/11/23 17:10	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17
Lab Sample ID: 180-154808-2
Date Collected: 04/07/23 09:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2246 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 15:24	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17

Lab Sample ID: 180-154808-2
Date Collected: 04/07/23 09:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.5 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 13:03	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 17:14	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.90 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:17	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.90 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 19:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 14:56	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92

Lab Sample ID: 180-154808-3
Date Collected: 04/07/23 09:10
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431992	04/11/23 17:10	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92

Lab Sample ID: 180-154808-3
Date Collected: 04/07/23 09:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0648 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 15:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 13:25	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 17:32	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.75 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:22	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92
Lab Sample ID: 180-154808-3
Date Collected: 04/07/23 09:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.75 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 19:58	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 14:57	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92
Lab Sample ID: 180-154808-4
Date Collected: 04/07/23 09:15
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92
Lab Sample ID: 180-154808-4
Date Collected: 04/07/23 09:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0069 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 16:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 13:47	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 17:51	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.81 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:27	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.81 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:03	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.81 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433520	04/26/23 20:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:02	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17
Lab Sample ID: 180-154808-5
Date Collected: 04/07/23 09:20
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17
Lab Sample ID: 180-154808-5
Date Collected: 04/07/23 09:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1349 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 16:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 14:09	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 18:10	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.59 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:32	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.59 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:03	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV-DUP16
Lab Sample ID: 180-154808-6
Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV-DUP16
Lab Sample ID: 180-154808-6
Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0046 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 16:55	PJJ	EET PIT
	Instrument ID: CHHP3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV-DUP16
Lab Sample ID: 180-154808-6
Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 14:31	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 18:28	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.84 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:37	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.84 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:28	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:04	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83
Lab Sample ID: 180-154808-7
Date Collected: 04/07/23 09:25
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83
Lab Sample ID: 180-154808-7
Date Collected: 04/07/23 09:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2306 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 17:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 14:53	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 18:47	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.63 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:43	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83
Lab Sample ID: 180-154808-7
Date Collected: 04/07/23 09:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.63 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:33	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.69 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:05	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83
Lab Sample ID: 180-154808-8
Date Collected: 04/07/23 09:30
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83
Lab Sample ID: 180-154808-8
Date Collected: 04/07/23 09:30
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.3346 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 17:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 15:15	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 19:06	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.73 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.73 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:38	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:06	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17
Lab Sample ID: 180-154808-9
Date Collected: 04/07/23 09:35
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17
Lab Sample ID: 180-154808-9
Date Collected: 04/07/23 09:35
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0465 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 18:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 15:36	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 19:24	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.75 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 00:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.75 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:43	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:07	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75
Lab Sample ID: 180-154808-10
Date Collected: 04/07/23 09:40
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75
Lab Sample ID: 180-154808-10
Date Collected: 04/07/23 09:40
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0078 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 18:25	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75

Lab Sample ID: 180-154808-10

Date Collected: 04/07/23 09:40

Matrix: Solid

Date Received: 04/08/23 08:35

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 15:58	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 19:43	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.64 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:08	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.64 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:48	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:08	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75

Lab Sample ID: 180-154808-11

Date Collected: 04/07/23 09:45

Matrix: Solid

Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75

Lab Sample ID: 180-154808-11

Date Collected: 04/07/23 09:45

Matrix: Solid

Date Received: 04/08/23 08:35

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0635 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 18:47	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.3 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 16:20	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 20:01	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.97 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:13	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75
Lab Sample ID: 180-154808-11

Date Collected: 04/07/23 09:45
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.97 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:53	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:09	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-154808-12

Date Collected: 04/07/23 09:50
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-154808-12

Date Collected: 04/07/23 09:50
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0078 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 19:09	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 16:42	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.3 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 20:20	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.77 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:18	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.77 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 20:59	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.62 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:10	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-154808-13
Date Collected: 04/07/23 09:55
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-154808-13
Date Collected: 04/07/23 09:55
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 19:32	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.4 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 17:05	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.4 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 20:39	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.86 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.86 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 21:04	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.65 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:11	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-154808-14
Date Collected: 04/07/23 10:00
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-154808-14
Date Collected: 04/07/23 10:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0425 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 19:55	PJJ	EET PIT
	Instrument ID: CHHP3									

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17

Lab Sample ID: 180-154808-14
Date Collected: 04/07/23 10:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 17:27	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 20:57	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			1.00 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:28	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			1.00 g	50 mL	432524	04/17/23 12:00	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 21:09	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.60 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		2			433778	04/28/23 15:20	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75

Lab Sample ID: 180-154808-15
Date Collected: 04/07/23 10:05
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75

Lab Sample ID: 180-154808-15
Date Collected: 04/07/23 10:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0036 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 20:18	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 17:49	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 21:16	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.53 g	50 mL	432524	04/17/23 12:01	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:33	RJG	EET PIT
	Instrument ID: Q									

Lab Chronicle

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75

Lab Sample ID: 180-154808-15
Date Collected: 04/07/23 10:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.53 g	50 mL	432524	04/17/23 12:01	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 21:24	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.64 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		10			433778	04/28/23 15:53	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75

Lab Sample ID: 180-154808-16
Date Collected: 04/07/23 10:10
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75

Lab Sample ID: 180-154808-16
Date Collected: 04/07/23 10:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1164 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 20:40	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 18:11	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 22:12	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.99 g	50 mL	432524	04/17/23 12:01	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433149	04/22/23 01:49	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.99 g	50 mL	432524	04/17/23 12:01	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433520	04/26/23 21:29	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.99 g	50 mL	432524	04/17/23 12:01	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		5			433520	04/26/23 21:34	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.61 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		25			433778	04/28/23 15:55	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV-DUP17

Lab Sample ID: 180-154808-17
Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV-DUP17

Lab Sample ID: 180-154808-17
Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2236 g	5 mL	432800	04/19/23 07:41	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 21:03	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.1 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 18:33	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.0 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 22:30	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.78 g	50 mL	433882	05/01/23 11:30	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434202	05/03/23 14:09	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		200			433778	04/28/23 15:58	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Lab Sample ID: 180-154808-18
Date Collected: 04/07/23 10:15
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Lab Sample ID: 180-154808-18
Date Collected: 04/07/23 10:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.2306 g	5 mL	432800	04/19/23 20:04	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432752	04/19/23 21:26	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.2 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 11:35	VVP	EET PIT
	Instrument ID: CHMSD7									

Lab Chronicle

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Lab Sample ID: 180-154808-18
Date Collected: 04/07/23 10:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			15.3 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 15:59	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.78 g	50 mL	432225	04/13/23 11:18	JBP	EET PIT
Total/NA	Analysis	EPA 6010C		1			433389	04/26/23 00:44	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	3050B			0.67 g	50 mL	433889	05/02/23 10:00	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434151	05/03/23 12:23	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.66 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		200			433778	04/28/23 14:46	MTW	EET PIT
	Instrument ID: HGZ									

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58

Lab Sample ID: 180-154808-19
Date Collected: 04/07/23 10:20
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58

Lab Sample ID: 180-154808-19
Date Collected: 04/07/23 10:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0052 g	5 mL	432910	04/20/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432856	04/20/23 13:17	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 18:55	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.1 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 22:49	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.64 g	50 mL	433882	05/01/23 11:30	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434202	05/03/23 14:14	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.63 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		200			433778	04/28/23 16:02	MTW	EET PIT
	Instrument ID: HGZ									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-154808-1
Project/Site: Former Sperry Remington-SCV

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50
Lab Sample ID: 180-154808-20
Date Collected: 04/07/23 10:25
Matrix: Solid
Date Received: 04/08/23 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			431995	04/11/23 17:27	ELS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50
Lab Sample ID: 180-154808-20
Date Collected: 04/07/23 10:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.1326 g	5 mL	432910	04/20/23 07:05	PJJ	EET PIT
Total/NA	Analysis	EPA 8260C		1	5 mL	5 mL	432856	04/20/23 13:39	PJJ	EET PIT
	Instrument ID: CHHP3									
Total/NA	Prep	3541			15.0 g	5.0 mL	432388	04/14/23 16:35	JSM	EET PIT
Total/NA	Analysis	EPA 8270D		1	1 mL	1 mL	432402	04/15/23 19:17	VVP	EET PIT
	Instrument ID: CHMSD7									
Total/NA	Prep	3541			15.2 g	20.0 mL	432210	04/13/23 10:28	AAS	EET PIT
Total/NA	Cleanup	3665A			2 mL	2 mL	432277	04/14/23 04:11	JMO	EET PIT
Total/NA	Cleanup	3660B			2 mL	2 mL	432278	04/14/23 04:12	JMO	EET PIT
Total/NA	Analysis	EPA 8082A		1	1 mL	1 mL	432577	04/18/23 23:08	JMO	EET PIT
	Instrument ID: CHGC8									
Total/NA	Prep	3050B			0.69 g	50 mL	433882	05/01/23 11:30	HCY	EET PIT
Total/NA	Analysis	EPA 6010C		1			434202	05/03/23 14:29	RJG	EET PIT
	Instrument ID: Q									
Total/NA	Prep	7471B			0.68 g	100 mL	433565	04/27/23 10:20	MTW	EET PIT
Total/NA	Analysis	EPA 7471B		1			433778	04/28/23 15:49	MTW	EET PIT
	Instrument ID: HGZ									

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Cleanup

JMO = John Oravec

Batch Type: Prep

AAS = Arianna Swick
HCY = Harrison Yaeger
JBP = Jack Prothero
JSM = Joseph Moore
MTW = Michael Wesoloski
PJJ = Patrick Journet

Batch Type: Analysis

ELS = Edwin Shireman
JMO = John Oravec
MTW = Michael Wesoloski
PJJ = Patrick Journet
RJG = Rob Good
VVP = Vincent Piccolino

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75
Date Collected: 04/07/23 09:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-1
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Dichlorodifluoromethane	ND	*+	5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
o-Xylene	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Tetrachloroethene	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75

Date Collected: 04/07/23 09:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-1

Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Vinyl chloride	ND		5.3	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/19/23 07:41*	*04/19/23 15:01*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/19/23 07:41*	*04/19/23 15:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/19/23 07:41*	*04/19/23 15:01*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*04/19/23 07:41*	*04/19/23 15:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Anthracene	**23**	**J**	74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzo[b]fluoranthene	**44**	**J**	74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzo[g,h,i]perylene	**23**	**J**	74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Chrysene	ND		74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	640	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75
Date Collected: 04/07/23 09:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-1
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Fluoranthene	**29**	**J**	74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Fluorene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
Pyrene	**38**	**J**	74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*57*		*44 - 105*	*04/14/23 16:35*	*04/15/23 12:41*	*1*
2-Fluorophenol (Surr)	*50*		*48 - 105*	*04/14/23 16:35*	*04/15/23 12:41*	*1*
Nitrobenzene-d5 (Surr)	*56*		*46 - 105*	*04/14/23 16:35*	*04/15/23 12:41*	*1*
Phenol-d5 (Surr)	*54*		*46 - 105*	*04/14/23 16:35*	*04/15/23 12:41*	*1*
Terphenyl-d14 (Surr)	*65*		*39 - 105*	*04/14/23 16:35*	*04/15/23 12:41*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*34 - 108*	*04/14/23 16:35*	*04/15/23 12:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1248	**54**		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1254	**40**		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1260	**11**	**J**	18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1

Client Sample ID: SSHS-IRM5A2-SCV44-0.75-1.75

Lab Sample ID: 180-154808-1
Date Collected: 04/07/23 09:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1262	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*127*		*63 - 138*	*04/13/23 10:28*	*04/18/23 16:55*	*1*
DCB Decachlorobiphenyl (Surr)	*121*		*63 - 138*	*04/13/23 10:28*	*04/18/23 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*04/13/23 10:28*	*04/18/23 16:55*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*04/13/23 10:28*	*04/18/23 16:55*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		9.8	2.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Antimony	**0.16**	**J**	0.49	0.15	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Arsenic	**13**		2.4	1.5	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Barium	**75**		9.8	1.7	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Beryllium	**0.44**		0.20	0.053	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Cadmium	ND		1.2	0.18	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Calcium	**3200**		240	32	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Chromium	**12**		0.24	0.22	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Cobalt	**9.6**		2.4	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Copper	**34**		1.2	0.74	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Iron	**34000**	**B**	24	24	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Lead	**43**		2.4	2.1	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Magnesium	**2600**		240	27	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Manganese	**470**		0.73	0.14	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Nickel	**26**		2.0	0.25	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Potassium	**710**	**J**	1200	210	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Selenium	**0.27**	**J**	0.49	0.23	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Silver	ND		0.24	0.051	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Sodium	ND		1200	130	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Thallium	**1.4**	**J**	4.9	0.69	mg/Kg	☼	04/17/23 12:00	04/26/23 19:48	5
Vanadium	**15**		2.4	0.39	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1
Zinc	**140**	**B**	0.98	0.71	mg/Kg	☼	04/17/23 12:00	04/22/23 00:12	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.9**		0.17	0.11	mg/Kg	☼	04/27/23 10:20	04/28/23 15:50	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**11.9**		0.1	0.1	%			04/11/23 17:10	1
Percent Solids (SM22 2540G)	**88.1**		0.1	0.1	%			04/11/23 17:10	1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17

Lab Sample ID: 180-154808-2
Date Collected: 04/07/23 09:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Benzene	ND		6.2	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17
Date Collected: 04/07/23 09:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-2
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		6.2	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Bromomethane	ND		6.2	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
2-Butanone (MEK)	ND		6.2	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Carbon disulfide	ND		6.2	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Carbon tetrachloride	ND		6.2	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chlorobenzene	ND		6.2	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chlorobromomethane	ND		6.2	3.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chlorodibromomethane	ND		6.2	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chloroethane	ND		6.2	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chloroform	ND		6.2	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Chloromethane	ND		6.2	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
cis-1,2-Dichloroethene	ND		6.2	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
cis-1,3-Dichloropropene	ND		6.2	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Cyclohexane	ND		6.2	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dibromo-3-Chloropropane	ND		6.2	4.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dibromoethane	ND		6.2	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dichlorobenzene	ND		6.2	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,3-Dichlorobenzene	ND		6.2	3.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,4-Dichlorobenzene	ND		6.2	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Dichlorobromomethane	ND		6.2	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Dichlorodifluoromethane	ND	*+	6.2	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,1-Dichloroethane	ND		6.2	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dichloroethane	ND		6.2	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,1-Dichloroethene	ND		6.2	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dichloroethene, Total	ND		12	5.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2-Dichloropropane	ND		6.2	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,4-Dioxane	ND		1200	44	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Ethylbenzene	ND		6.2	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
2-Hexanone	ND		6.2	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Isopropylbenzene	ND		6.2	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Methyl acetate	ND		31	9.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Methylcyclohexane	ND		6.2	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Methylene Chloride	ND		6.2	5.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
4-Methyl-2-pentanone (MIBK)	ND		6.2	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Methyl tert-butyl ether	ND		6.2	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
m-Xylene & p-Xylene	ND		6.2	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
o-Xylene	ND		6.2	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Styrene	ND		6.2	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,1,2,2-Tetrachloroethane	ND		6.2	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Tetrachloroethene	ND		6.2	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Toluene	ND		6.2	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
trans-1,2-Dichloroethene	ND		6.2	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
trans-1,3-Dichloropropene	ND		6.2	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2,3-Trichlorobenzene	ND		6.2	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,2,4-Trichlorobenzene	ND		6.2	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,1,1-Trichloroethane	ND		6.2	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
1,1,2-Trichloroethane	ND		6.2	1.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Trichloroethene	ND		6.2	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Trichlorofluoromethane	ND		6.2	5.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17

Date Collected: 04/07/23 09:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-2

Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Vinyl chloride	ND		6.2	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1
Xylenes, Total	ND		12	8.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 124*	*04/19/23 07:41*	*04/19/23 15:24*	*1*
Dibromofluoromethane (Surr)	*112*		*69 - 126*	*04/19/23 07:41*	*04/19/23 15:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*124*		*73 - 135*	*04/19/23 07:41*	*04/19/23 15:24*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/19/23 07:41*	*04/19/23 15:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		83	24	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Acenaphthylene	**61**	**J**	83	18	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Acetophenone	ND		830	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Anthracene	**49**	**J**	83	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Atrazine	ND		830	180	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzaldehyde	ND		830	52	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzo[a]anthracene	**190**		83	37	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzo[a]pyrene	**200**		83	36	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzo[b]fluoranthene	**290**		83	20	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzo[g,h,i]perylene	**150**		83	18	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Benzo[k]fluoranthene	**120**		83	25	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
1,1'-Biphenyl	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Bis(2-chloroethoxy)methane	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Bis(2-chloroethyl)ether	ND		83	15	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Bis(2-ethylhexyl) phthalate	ND		4100	440	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Bromophenyl phenyl ether	ND		410	180	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Butyl benzyl phthalate	ND		410	290	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Caprolactam	ND		2100	270	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Carbazole	ND		83	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Chloroaniline	ND		410	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Chloro-3-methylphenol	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Chloronaphthalene	ND		83	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Chlorophenol	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Chlorophenyl phenyl ether	ND		410	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Chrysene	**250**		83	46	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Dibenz(a,h)anthracene	ND		83	53	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Dibenzofuran	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
3,3'-Dichlorobenzidine	ND		410	390	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4-Dichlorophenol	ND		83	32	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Diethyl phthalate	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4-Dimethylphenol	ND		410	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Dimethyl phthalate	ND		410	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Di-n-butyl phthalate	ND		410	180	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4,6-Dinitro-2-methylphenol	ND	*+	2100	720	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4-Dinitrophenol	ND		4100	2600	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4-Dinitrotoluene	ND		410	250	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,6-Dinitrotoluene	ND		410	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Di-n-octyl phthalate	ND		410	240	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17
Date Collected: 04/07/23 09:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-2
Matrix: Solid
Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		830	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Fluoranthene	**290**		83	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Fluorene	ND		83	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Hexachlorobenzene	ND		83	30	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Hexachlorobutadiene	ND		83	24	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Hexachlorocyclopentadiene	ND		410	42	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Hexachloroethane	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Indeno[1,2,3-cd]pyrene	**140**		83	41	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Isophorone	ND		410	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Methylnaphthalene	**31**	**J**	83	20	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Methylphenol	ND		410	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Methylphenol, 3 & 4	ND		410	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Naphthalene	**44**	**J**	83	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Nitroaniline	ND		2100	190	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
3-Nitroaniline	ND		2100	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Nitroaniline	ND		2100	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Nitrobenzene	ND		830	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2-Nitrophenol	ND		410	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
4-Nitrophenol	ND		2100	290	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
N-Nitrosodi-n-propylamine	ND		83	28	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
N-Nitrosodiphenylamine	ND		410	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,2'-oxybis[1-chloropropane]	ND		83	31	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Pentachlorophenol	ND		2100	670	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Phenanthrene	**100**		83	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Phenol	ND		410	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
Pyrene	**350**		83	20	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
1,2,4,5-Tetrachlorobenzene	ND		410	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,3,4,6-Tetrachlorophenol	ND		410	170	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4,5-Trichlorophenol	ND		410	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1
2,4,6-Trichlorophenol	ND		410	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/14/23 16:35*	*04/15/23 13:03*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/14/23 16:35*	*04/15/23 13:03*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:03*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:03*	*1*
Terphenyl-d14 (Surr)	*68*		*39 - 105*	*04/14/23 16:35*	*04/15/23 13:03*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*04/14/23 16:35*	*04/15/23 13:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		21	6.9	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1221	ND		21	7.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1232	ND		21	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1242	ND		21	3.1	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1248	**170**		21	5.1	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1254	**130**		21	6.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1260	**27**		21	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1262	ND		21	7.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1
PCB-1268	ND		21	2.8	ug/Kg	☼	04/13/23 10:28	04/18/23 17:14	1

Client Sample ID: SSHS-IRM5A2-SCV45-0-0.17

Lab Sample ID: 180-154808-2

Date Collected: 04/07/23 09:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 77.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:14*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*92*		*55 - 135*	*04/13/23 10:28*	*04/18/23 17:14*	*1*
Tetrachloro-m-xylene (Surr)	*93*		*55 - 135*	*04/13/23 10:28*	*04/18/23 17:14*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		14	3.6	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Antimony	ND		0.72	0.22	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Arsenic	**12**		0.72	0.45	mg/Kg	☼	04/17/23 12:00	04/26/23 19:53	1
Barium	**150**		14	2.5	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Beryllium	**0.67**		0.29	0.078	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Cadmium	**1.3**		0.36	0.052	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Calcium	**6500**		360	46	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Chromium	**25**		0.36	0.33	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Cobalt	**13**		3.6	0.50	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Copper	**57**		1.8	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Iron	**27000**	**B**	7.2	7.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Lead	**110**		0.72	0.62	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Magnesium	**4000**		360	39	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Manganese	**690**		1.1	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Nickel	**48**		2.9	0.36	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Potassium	**1700**		360	61	mg/Kg	☼	04/17/23 12:00	04/26/23 19:53	1
Selenium	**0.43**	**J**	0.72	0.33	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Silver	ND		0.36	0.074	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Sodium	**56**	**J**	360	37	mg/Kg	☼	04/17/23 12:00	04/26/23 19:53	1
Thallium	**0.39**	**J**	1.4	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Vanadium	**21**		3.6	0.57	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1
Zinc	**480**	**B**	1.4	1.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:17	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.040	0.026	mg/Kg	☼	04/27/23 10:20	04/28/23 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**22.3**		0.1	0.1	%			04/11/23 17:10	1
Percent Solids (SM22 2540G)	**77.7**		0.1	0.1	%			04/11/23 17:10	1

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92

Lab Sample ID: 180-154808-3

Date Collected: 04/07/23 09:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92
Date Collected: 04/07/23 09:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-3
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Dichlorodifluoromethane	ND	*+	5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Methyl acetate	ND		28	8.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/19/23 07:41	04/19/23 15:47	1

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92

Date Collected: 04/07/23 09:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-3

Matrix: Solid
Percent Solids: 89.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*	*04/19/23 07:41*	*04/19/23 15:47*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/19/23 07:41*	*04/19/23 15:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*73 - 135*	*04/19/23 07:41*	*04/19/23 15:47*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/19/23 07:41*	*04/19/23 15:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Acenaphthylene	**18**	**J**	74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Anthracene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzo[a]anthracene	**48**	**J**	74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzo[a]pyrene	**54**	**J**	74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzo[b]fluoranthene	**70**	**J**	74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzo[g,h,i]perylene	**51**	**J**	74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Benzo[k]fluoranthene	**45**	**J**	74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
1,1'-Biphenyl	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Bis(2-chloroethoxy)methane	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Chrysene	**71**	**J**	74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Dibenzofuran	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
3,3'-Dichlorobenzidine	ND		370	340	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	640	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Di-n-octyl phthalate	ND		370	210	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Fluoranthene	**75**		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Fluorene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92
Date Collected: 04/07/23 09:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-3
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Hexachloroethane	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Indeno[1,2,3-cd]pyrene	**41**	**J**	74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Isophorone	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Methylnaphthalene	**18**	**J**	74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Methylphenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Phenanthrene	**40**	**J**	74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Phenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
Pyrene	**92**		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*60*		*44 - 105*	*04/14/23 16:35*	*04/15/23 13:25*	*1*
2-Fluorophenol (Surr)	*48*		*48 - 105*	*04/14/23 16:35*	*04/15/23 13:25*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:25*	*1*
Phenol-d5 (Surr)	*55*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:25*	*1*
Terphenyl-d14 (Surr)	*66*		*39 - 105*	*04/14/23 16:35*	*04/15/23 13:25*	*1*
2,4,6-Tribromophenol (Surr)	*50*		*34 - 108*	*04/14/23 16:35*	*04/15/23 13:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1248	**37**		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1254	**25**		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1262	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:32*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:32*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/13/23 10:28*	*04/18/23 17:32*	*1*

Client Sample ID: SSHS-IRM5A2-SCV45-0.17-0.92

Lab Sample ID: 180-154808-3

Date Collected: 04/07/23 09:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	105		55 - 135	04/13/23 10:28	04/18/23 17:32	1

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10000		15	3.7	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Antimony	ND		0.75	0.23	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Arsenic	10		0.75	0.47	mg/Kg	☼	04/17/23 12:00	04/26/23 19:58	1
Barium	130		15	2.7	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Beryllium	0.52		0.30	0.081	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Cadmium	0.82		0.37	0.055	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Calcium	5900		370	48	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Chromium	14		0.37	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Cobalt	9.6		3.7	0.53	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Copper	31		1.9	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Iron	23000	B	7.5	7.3	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Lead	65		0.75	0.65	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Magnesium	4500		370	41	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Manganese	630		1.1	0.21	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Nickel	28		3.0	0.38	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Potassium	770		370	64	mg/Kg	☼	04/17/23 12:00	04/26/23 19:58	1
Selenium	0.43	J	0.75	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Silver	ND		0.37	0.078	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Sodium	64	J	370	38	mg/Kg	☼	04/17/23 12:00	04/26/23 19:58	1
Thallium	0.57	J	1.5	0.21	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Vanadium	17		3.7	0.59	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1
Zinc	170	B	1.5	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 00:22	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.035	0.022	mg/Kg	☼	04/27/23 10:20	04/28/23 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	10.8		0.1	0.1	%			04/11/23 17:10	1
Percent Solids (SM22 2540G)	89.2		0.1	0.1	%			04/11/23 17:10	1

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92

Lab Sample ID: 180-154808-4

Date Collected: 04/07/23 09:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Benzene	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92
Date Collected: 04/07/23 09:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-4
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Styrene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 124*	*04/19/23 07:41*	*04/19/23 16:09*	*1*
Dibromofluoromethane (Surr)	*126*		*69 - 126*	*04/19/23 07:41*	*04/19/23 16:09*	*1*

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92

Date Collected: 04/07/23 09:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-4

Matrix: Solid
Percent Solids: 91.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*138*	*S1+*	*73 - 135*	*04/19/23 07:41*	*04/19/23 16:09*	*1*
Toluene-d8 (Surr)	*107*		*67 - 134*	*04/19/23 07:41*	*04/19/23 16:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Acenaphthylene	**20**	**J**	72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Acetophenone	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Anthracene	**27**	**J**	72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Atrazine	ND		720	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzaldehyde	ND		720	45	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzo[a]anthracene	**71**	**J**	72	33	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzo[a]pyrene	**79**		72	31	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzo[b]fluoranthene	**120**		72	18	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzo[g,h,i]perylene	**74**		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Benzo[k]fluoranthene	**50**	**J**	72	22	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Carbazole	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Chrysene	**140**		72	40	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	620	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Fluoranthene	**100**		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Fluorene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92
Date Collected: 04/07/23 09:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-4
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Indeno[1,2,3-cd]pyrene	**60**	**J**	72	36	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Methylnaphthalene	**19**	**J**	72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Naphthalene	**28**	**J**	72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Phenanthrene	**53**	**J**	72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
Pyrene	**140**		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*71*		*44 - 105*	*04/14/23 16:35*	*04/15/23 13:47*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/14/23 16:35*	*04/15/23 13:47*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:47*	*1*
Phenol-d5 (Surr)	*59*		*46 - 105*	*04/14/23 16:35*	*04/15/23 13:47*	*1*
Terphenyl-d14 (Surr)	*75*		*39 - 105*	*04/14/23 16:35*	*04/15/23 13:47*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*04/14/23 16:35*	*04/15/23 13:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1248	**140**		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1254	**93**		18	5.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1260	**19**		18	5.1	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:51*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*63 - 138*	*04/13/23 10:28*	*04/18/23 17:51*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*04/13/23 10:28*	*04/18/23 17:51*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*04/13/23 10:28*	*04/18/23 17:51*	*1*

Client Sample ID: SSHS-IRM5A2-SCV45-0.92-1.92
Lab Sample ID: 180-154808-4
Date Collected: 04/07/23 09:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000		14	3.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Antimony	0.20	J	0.68	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Arsenic	15		3.4	2.1	mg/Kg	☼	04/17/23 12:00	04/26/23 20:08	5
Barium	160		14	2.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Beryllium	0.67		0.27	0.074	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Cadmium	0.57	J	1.7	0.25	mg/Kg	☼	04/17/23 12:00	04/26/23 20:08	5
Calcium	4700		340	44	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Chromium	19		0.34	0.31	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Cobalt	14		3.4	0.48	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Copper	49		1.7	1.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Iron	36000	B	34	33	mg/Kg	☼	04/17/23 12:00	04/26/23 20:08	5
Lead	94		3.4	2.9	mg/Kg	☼	04/17/23 12:00	04/26/23 20:08	5
Magnesium	4100		340	37	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Manganese	1000		1.0	0.19	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Nickel	39		2.7	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Potassium	1000		340	58	mg/Kg	☼	04/17/23 12:00	04/26/23 20:03	1
Selenium	0.68		0.68	0.31	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Silver	ND		0.34	0.070	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Sodium	72	J	340	35	mg/Kg	☼	04/17/23 12:00	04/26/23 20:03	1
Thallium	1.7	J	6.8	0.96	mg/Kg	☼	04/17/23 12:00	04/26/23 20:08	5
Vanadium	20		3.4	0.54	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1
Zinc	210	B	1.4	0.98	mg/Kg	☼	04/17/23 12:00	04/22/23 00:27	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.031	0.020	mg/Kg	☼	04/27/23 10:20	04/28/23 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.8		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	91.2		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17
Lab Sample ID: 180-154808-5
Date Collected: 04/07/23 09:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Benzene	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
2-Butanone (MEK)	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Chloroethane	ND		5.7	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Chloroform	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17
Date Collected: 04/07/23 09:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-5
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Dichlorodifluoromethane	ND	*+	5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dichloroethane	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dichloroethene, Total	ND		11	4.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,4-Dioxane	ND		1100	41	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
2-Hexanone	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Methyl acetate	ND		29	8.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Methylcyclohexane	ND		5.7	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Methylene Chloride	ND		5.7	5.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Styrene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Toluene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2,3-Trichlorobenzene	ND		5.7	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Trichlorofluoromethane	ND		5.7	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1
Xylenes, Total	ND		11	8.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 124*	*04/19/23 07:41*	*04/19/23 16:32*	*1*
Dibromofluoromethane (Surr)	*111*		*69 - 126*	*04/19/23 07:41*	*04/19/23 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*04/19/23 07:41*	*04/19/23 16:32*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/19/23 07:41*	*04/19/23 16:32*	*1*

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17

Date Collected: 04/07/23 09:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-5

Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		77	22	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Acenaphthylene	**63**	**J**	77	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Acetophenone	ND		770	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Anthracene	**66**	**J**	77	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Atrazine	ND		770	170	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzaldehyde	ND		770	48	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzo[a]anthracene	**450**		77	35	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzo[a]pyrene	**320**		77	33	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzo[b]fluoranthene	**510**		77	19	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzo[g,h,i]perylene	**280**		77	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Benzo[k]fluoranthene	**180**		77	23	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Bis(2-chloroethyl)ether	ND		77	14	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Bis(2-ethylhexyl) phthalate	ND		3800	410	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Caprolactam	ND		2000	250	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Carbazole	**38**	**J**	77	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Chloro-3-methylphenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Chloronaphthalene	ND		77	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Chrysene	**520**		77	43	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Dibenz(a,h)anthracene	**69**	**J**	77	49	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Dibenzofuran	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
3,3'-Dichlorobenzidine	ND		380	360	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4-Dichlorophenol	ND		77	30	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Diethyl phthalate	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4,6-Dinitro-2-methylphenol	ND	*+	2000	660	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
1,4-Dioxane	ND		770	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Fluoranthene	**610**		77	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Fluorene	ND		77	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Hexachlorobenzene	ND		77	28	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Hexachlorobutadiene	ND		77	23	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Hexachloroethane	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Indeno[1,2,3-cd]pyrene	**240**		77	38	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Isophorone	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Methylnaphthalene	**23**	**J**	77	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Methylphenol	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17

Date Collected: 04/07/23 09:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-5

Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Naphthalene	**30**	**J**	77	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
3-Nitroaniline	ND		2000	98	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Nitroaniline	ND		2000	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Nitrobenzene	ND		770	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
4-Nitrophenol	ND		2000	270	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
N-Nitrosodi-n-propylamine	ND		77	26	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,2'-oxybis[1-chloropropane]	ND		77	29	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Pentachlorophenol	ND		2000	620	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Phenanthrene	**130**		77	21	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Phenol	ND		380	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
Pyrene	**910**		77	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/14/23 16:35*	*04/15/23 14:09*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/14/23 16:35*	*04/15/23 14:09*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:09*	*1*
Phenol-d5 (Surr)	*62*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:09*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*04/14/23 16:35*	*04/15/23 14:09*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/14/23 16:35*	*04/15/23 14:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.4	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1221	ND		20	7.0	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1232	ND		20	4.8	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1242	ND		20	2.9	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1248	**190**		20	4.7	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1254	**120**		20	5.9	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1260	**37**		20	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1262	ND		20	6.9	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1
PCB-1268	ND		20	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*106*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:10*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:10*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:10*	*1*
Tetrachloro-m-xylene (Surr)	*113*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:10*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		20	5.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Antimony	ND		1.0	0.30	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1

Client Sample ID: SSHS-IRM5A2-SCV46-0-0.17

Lab Sample ID: 180-154808-5

Date Collected: 04/07/23 09:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.7		1.0	0.63	mg/Kg	☼	04/17/23 12:00	04/26/23 20:23	1
Barium	130		20	3.6	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Beryllium	0.56		0.40	0.11	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Cadmium	0.96		0.50	0.073	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Calcium	3800		500	65	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Chromium	20		0.50	0.45	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Cobalt	9.9		5.0	0.70	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Copper	45		2.5	1.5	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Iron	24000	B	10	9.7	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Lead	78		1.0	0.87	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Magnesium	3100		500	55	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Manganese	600		1.5	0.28	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Nickel	32		4.0	0.50	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Potassium	1600		500	85	mg/Kg	☼	04/17/23 12:00	04/26/23 20:23	1
Selenium	0.66	J	1.0	0.46	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Silver	ND		0.50	0.10	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Sodium	53	J	500	51	mg/Kg	☼	04/17/23 12:00	04/26/23 20:23	1
Thallium	0.68	J	2.0	0.28	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Vanadium	18		5.0	0.79	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1
Zinc	290	B	2.0	1.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:32	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.036	0.023	mg/Kg	☼	04/27/23 10:20	04/28/23 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	15.1		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	84.9		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP16

Lab Sample ID: 180-154808-6

Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Benzene	ND		5.6	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Bromoform	ND		5.6	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Bromomethane	ND		5.6	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
2-Butanone (MEK)	ND		5.6	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Carbon disulfide	ND		5.6	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Carbon tetrachloride	ND		5.6	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chlorobenzene	ND		5.6	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chlorobromomethane	ND		5.6	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chlorodibromomethane	ND		5.6	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chloroethane	ND		5.6	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chloroform	ND		5.6	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Chloromethane	ND		5.6	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
cis-1,2-Dichloroethene	ND		5.6	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP16
Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-6
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Cyclohexane	ND		5.6	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dibromo-3-Chloropropane	ND		5.6	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dibromoethane	ND		5.6	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dichlorobenzene	ND		5.6	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,3-Dichlorobenzene	ND		5.6	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,4-Dichlorobenzene	ND		5.6	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Dichlorobromomethane	ND		5.6	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Dichlorodifluoromethane	ND	*+	5.6	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1-Dichloroethane	ND		5.6	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dichloroethane	ND		5.6	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1-Dichloroethene	ND		5.6	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2-Dichloropropane	ND		5.6	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,4-Dioxane	ND		1100	40	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Ethylbenzene	ND		5.6	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
2-Hexanone	ND		5.6	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Isopropylbenzene	ND		5.6	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Methyl acetate	ND		28	8.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Methylcyclohexane	ND		5.6	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Methylene Chloride	ND		5.6	5.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.6	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Methyl tert-butyl ether	ND		5.6	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
m-Xylene & p-Xylene	ND		5.6	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
o-Xylene	ND		5.6	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Styrene	ND		5.6	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1,2,2-Tetrachloroethane	ND		5.6	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Tetrachloroethene	ND		5.6	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Toluene	ND		5.6	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
trans-1,2-Dichloroethene	ND		5.6	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2,3-Trichlorobenzene	ND		5.6	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,2,4-Trichlorobenzene	ND		5.6	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1,1-Trichloroethane	ND		5.6	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Trichloroethene	ND		5.6	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Trichlorofluoromethane	ND		5.6	4.7	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Vinyl chloride	ND		5.6	4.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1
Xylenes, Total	ND		11	8.1	ug/Kg	☼	04/19/23 07:41	04/19/23 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/19/23 07:41*	*04/19/23 16:55*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/19/23 07:41*	*04/19/23 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*	*04/19/23 07:41*	*04/19/23 16:55*	*1*
Toluene-d8 (Surr)	*102*		*67 - 134*	*04/19/23 07:41*	*04/19/23 16:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV-DUP16
Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-6
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**24**	**J**	76	16	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Acetophenone	ND		760	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Anthracene	ND		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Atrazine	ND		760	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzaldehyde	ND		760	47	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzo[a]anthracene	**63**	**J**	76	34	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzo[a]pyrene	**87**		76	33	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzo[b]fluoranthene	**110**		76	19	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzo[g,h,i]perylene	**88**		76	16	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Benzo[k]fluoranthene	**35**	**J**	76	23	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Bis(2-ethylhexyl) phthalate	ND		3700	400	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Butyl benzyl phthalate	ND		370	260	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Caprolactam	ND		1900	250	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Carbazole	ND		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Chloroaniline	ND		370	99	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Chlorophenyl phenyl ether	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Chrysene	**99**		76	42	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Dibenz(a,h)anthracene	ND		76	48	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Dibenzofuran	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4-Dimethylphenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	650	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,6-Dinitrotoluene	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Fluoranthene	**81**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Fluorene	ND		76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Hexachlorocyclopentadiene	ND		370	39	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Hexachloroethane	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Indeno[1,2,3-cd]pyrene	**66**	**J**	76	38	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Isophorone	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Methylnaphthalene	**18**	**J**	76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Methylphenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV-DUP16

Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-6

Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**20**	**J**	76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
3-Nitroaniline	ND		1900	96	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Nitrobenzene	ND		760	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
N-Nitrosodiphenylamine	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Phenanthrene	**48**	**J**	76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Phenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
Pyrene	**160**		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,3,4,6-Tetrachlorophenol	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1
2,4,6-Trichlorophenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/14/23 16:35*	*04/15/23 14:31*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*04/14/23 16:35*	*04/15/23 14:31*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:31*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:31*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*04/14/23 16:35*	*04/15/23 14:31*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/14/23 16:35*	*04/15/23 14:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1232	ND		19	4.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1248	**96**		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1254	**67**		19	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1260	**16**	**J**	19	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1262	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:28*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:28*	*1*
Tetrachloro-m-xylene (Surr)	*123*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:28*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:28*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		13	3.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Antimony	ND		0.67	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Arsenic	**10**		0.67	0.42	mg/Kg	☼	04/17/23 12:00	04/26/23 20:28	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP16

Lab Sample ID: 180-154808-6

Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	120		13	2.4	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Beryllium	0.58		0.27	0.073	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Cadmium	0.99		0.34	0.049	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Calcium	3100		340	43	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Chromium	19		0.34	0.31	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Cobalt	11		3.4	0.47	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Copper	46		1.7	1.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Iron	24000	B	6.7	6.5	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Lead	82		0.67	0.59	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Magnesium	3200		340	37	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Manganese	620		1.0	0.19	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Nickel	33		2.7	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Potassium	1300		340	57	mg/Kg	☼	04/17/23 12:00	04/26/23 20:28	1
Selenium	0.68		0.67	0.31	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Silver	ND		0.34	0.070	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Sodium	45	J	340	34	mg/Kg	☼	04/17/23 12:00	04/26/23 20:28	1
Thallium	0.42	J	1.3	0.19	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Vanadium	18		3.4	0.53	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1
Zinc	300	B	1.3	0.97	mg/Kg	☼	04/17/23 12:00	04/22/23 00:37	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.097		0.037	0.024	mg/Kg	☼	04/27/23 10:20	04/28/23 15:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	11.5		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	88.5		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83

Lab Sample ID: 180-154808-7

Date Collected: 04/07/23 09:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Benzene	ND		5.0	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Bromoform	ND		5.0	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Bromomethane	ND		5.0	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
2-Butanone (MEK)	ND		5.0	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Carbon disulfide	ND		5.0	4.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chlorobenzene	ND		5.0	1.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chloroethane	ND		5.0	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chloroform	ND		5.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Chloromethane	ND		5.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83
Date Collected: 04/07/23 09:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-7
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Dichlorodifluoromethane	ND	*+	5.0	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dichloroethane	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Ethylbenzene	ND		5.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
2-Hexanone	ND		5.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Methylene Chloride	ND		5.0	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
o-Xylene	ND		5.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Styrene	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Toluene	ND		5.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1,2-Trichloroethane	ND		5.0	1.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Trichloroethene	ND		5.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Vinyl chloride	ND		5.0	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/19/23 07:41*	*04/19/23 17:18*	*1*
Dibromofluoromethane (Surr)	*113*		*69 - 126*	*04/19/23 07:41*	*04/19/23 17:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*128*		*73 - 135*	*04/19/23 07:41*	*04/19/23 17:18*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/19/23 07:41*	*04/19/23 17:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		70	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Acenaphthylene	ND		70	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83
Date Collected: 04/07/23 09:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-7
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		700	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Anthracene	ND		70	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Atrazine	ND		700	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzaldehyde	ND		700	43	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzo[a]anthracene	ND		70	32	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzo[a]pyrene	ND		70	30	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzo[b]fluoranthene	ND		70	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzo[g,h,i]perylene	ND		70	15	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Benzo[k]fluoranthene	ND		70	21	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Bis(2-chloroethyl)ether	ND		70	13	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Bis(2-ethylhexyl) phthalate	ND		3500	370	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Carbazole	ND		70	16	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Chloroaniline	ND		350	92	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2-Chloronaphthalene	ND		70	16	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Chrysene	ND		70	39	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Dibenz(a,h)anthracene	ND		70	45	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4-Dichlorophenol	ND		70	27	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	600	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Di-n-octyl phthalate	ND		350	200	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
1,4-Dioxane	ND		700	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Fluoranthene	ND		70	18	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Fluorene	ND		70	14	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Hexachlorobenzene	ND		70	25	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Hexachlorobutadiene	ND		70	20	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Indeno[1,2,3-cd]pyrene	ND		70	35	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Isophorone	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2-Methylnaphthalene	ND		70	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Naphthalene	ND		70	14	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83

Date Collected: 04/07/23 09:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-7

Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
3-Nitroaniline	ND		1800	89	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Nitrobenzene	ND		700	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
N-Nitrosodi-n-propylamine	ND		70	24	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,2'-oxybis[1-chloropropane]	ND		70	26	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Pentachlorophenol	ND		1800	560	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Phenanthrene	ND		70	19	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Phenol	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
Pyrene	ND		70	17	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*73*		*44 - 105*	*04/14/23 16:35*	*04/15/23 14:53*	*1*
2-Fluorophenol (Surr)	*57*		*48 - 105*	*04/14/23 16:35*	*04/15/23 14:53*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:53*	*1*
Phenol-d5 (Surr)	*63*		*46 - 105*	*04/14/23 16:35*	*04/15/23 14:53*	*1*
Terphenyl-d14 (Surr)	*83*		*39 - 105*	*04/14/23 16:35*	*04/15/23 14:53*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/14/23 16:35*	*04/15/23 14:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1221	ND		17	6.1	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1232	ND		17	4.2	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1242	ND		17	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1248	ND		17	4.1	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1254	**19**		17	5.1	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1260	ND		17	4.9	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1262	ND		17	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1
PCB-1268	ND		17	2.3	ug/Kg	☼	04/13/23 10:28	04/18/23 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*111*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:47*	*1*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*04/13/23 10:28*	*04/18/23 18:47*	*1*
Tetrachloro-m-xylene (Surr)	*126*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:47*	*1*
Tetrachloro-m-xylene (Surr)	*129*		*55 - 135*	*04/13/23 10:28*	*04/18/23 18:47*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		17	4.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Antimony	ND		0.84	0.25	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Arsenic	**8.9**		0.84	0.52	mg/Kg	☼	04/17/23 12:00	04/26/23 20:33	1
Barium	**57**		17	3.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.17-0.83

Lab Sample ID: 180-154808-7

Date Collected: 04/07/23 09:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.43		0.33	0.091	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Cadmium	0.60		0.42	0.061	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Calcium	1800		420	54	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Chromium	12		0.42	0.38	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Cobalt	8.7		4.2	0.59	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Copper	30		2.1	1.3	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Iron	22000	B	8.4	8.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Lead	21		0.84	0.73	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Magnesium	2900		420	46	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Manganese	530		1.3	0.23	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Nickel	22		3.3	0.42	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Potassium	580		420	71	mg/Kg	☼	04/17/23 12:00	04/26/23 20:33	1
Selenium	ND		0.84	0.39	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Silver	ND		0.42	0.087	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Sodium	ND		420	43	mg/Kg	☼	04/17/23 12:00	04/26/23 20:33	1
Thallium	0.62	J	1.7	0.24	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Vanadium	15		4.2	0.66	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1
Zinc	82	B	1.7	1.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:43	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.086		0.030	0.019	mg/Kg	☼	04/27/23 10:20	04/28/23 15:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	5.2		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	94.8		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83

Lab Sample ID: 180-154808-8

Date Collected: 04/07/23 09:30
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Carbon disulfide	ND		5.1	4.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chlorobromomethane	ND		5.1	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chloroform	ND		5.1	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
cis-1,3-Dichloropropene	ND		5.1	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83
Date Collected: 04/07/23 09:30
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-8
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,3-Dichlorobenzene	ND		5.1	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Dichlorodifluoromethane	ND	*+	5.1	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2-Dichloropropane	ND		5.1	1.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Isopropylbenzene	ND		5.1	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Methyl acetate	ND		25	7.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Methylcyclohexane	ND		5.1	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
o-Xylene	ND		5.1	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Tetrachloroethene	ND		5.1	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Trichlorofluoromethane	ND		5.1	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Vinyl chloride	ND		5.1	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1
Xylenes, Total	ND		10	7.3	ug/Kg	☼	04/19/23 07:41	04/19/23 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*60 - 124*	*04/19/23 07:41*	*04/19/23 17:40*	*1*
Dibromofluoromethane (Surr)	*107*		*69 - 126*	*04/19/23 07:41*	*04/19/23 17:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*73 - 135*	*04/19/23 07:41*	*04/19/23 17:40*	*1*
Toluene-d8 (Surr)	*82*		*67 - 134*	*04/19/23 07:41*	*04/19/23 17:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Acetophenone	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83
Date Collected: 04/07/23 09:30
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-8
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Atrazine	ND		720	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzo[b]fluoranthene	ND		72	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzo[g,h,i]perylene	ND		72	15	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Carbazole	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Chrysene	ND		72	40	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	620	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Fluorene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Isophorone	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Methylphenol, 3 & 4	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Naphthalene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83

Date Collected: 04/07/23 09:30
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-8

Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Phenol	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
Pyrene	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*44 - 105*	*04/14/23 16:35*	*04/15/23 15:15*	*1*
2-Fluorophenol (Surr)	*55*		*48 - 105*	*04/14/23 16:35*	*04/15/23 15:15*	*1*
Nitrobenzene-d5 (Surr)	*64*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:15*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:15*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*04/14/23 16:35*	*04/15/23 15:15*	*1*
2,4,6-Tribromophenol (Surr)	*45*		*34 - 108*	*04/14/23 16:35*	*04/15/23 15:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1221	ND		18	6.2	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1248	ND		18	4.2	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1254	**19**		18	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*100*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:06*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:06*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:06*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6400**		15	3.7	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Antimony	ND		0.74	0.22	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Arsenic	**8.4**		0.74	0.46	mg/Kg	☼	04/17/23 12:00	04/26/23 20:38	1
Barium	**31**		15	2.6	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Beryllium	**0.30**		0.30	0.081	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1

Client Sample ID: SSHS-IRM5A2-SCV46-0.83-1.83

Lab Sample ID: 180-154808-8

Date Collected: 04/07/23 09:30
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.50		0.37	0.054	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Calcium	1500		370	48	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Chromium	9.4		0.37	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Cobalt	7.1		3.7	0.52	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Copper	24		1.8	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Iron	18000	B	7.4	7.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Lead	15		0.74	0.64	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Magnesium	2400		370	41	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Manganese	320		1.1	0.21	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Nickel	19		3.0	0.37	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Potassium	490		370	63	mg/Kg	☼	04/17/23 12:00	04/26/23 20:38	1
Selenium	ND		0.74	0.34	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Silver	ND		0.37	0.077	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Sodium	ND		370	38	mg/Kg	☼	04/17/23 12:00	04/26/23 20:38	1
Thallium	0.56	J	1.5	0.21	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Vanadium	12		3.7	0.59	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1
Zinc	69	B	1.5	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 00:48	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030	J	0.034	0.022	mg/Kg	☼	04/27/23 10:20	04/28/23 15:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	7.4		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	92.6		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17

Lab Sample ID: 180-154808-9

Date Collected: 04/07/23 09:35
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Benzene	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
2-Butanone (MEK)	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chlorobenzene	ND		6.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chloroform	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Cyclohexane	ND		6.0	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17
Date Collected: 04/07/23 09:35
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-9
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Dichlorodifluoromethane	ND	*+	6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,4-Dioxane	ND		1200	42	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
2-Hexanone	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Styrene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Toluene	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2,3-Trichlorobenzene	ND		6.0	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,2,4-Trichlorobenzene	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Trichlorofluoromethane	ND		6.0	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*04/19/23 07:41*	*04/19/23 18:03*	*1*
Dibromofluoromethane (Surr)	*109*		*69 - 126*	*04/19/23 07:41*	*04/19/23 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*73 - 135*	*04/19/23 07:41*	*04/19/23 18:03*	*1*
Toluene-d8 (Surr)	*89*		*67 - 134*	*04/19/23 07:41*	*04/19/23 18:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		81	23	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Acenaphthylene	**130**		81	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Acetophenone	ND		810	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Anthracene	**140**		81	21	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17
Date Collected: 04/07/23 09:35
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-9
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		810	180	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzaldehyde	ND		810	50	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzo[a]anthracene	**610**		81	36	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzo[a]pyrene	**630**		81	35	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzo[b]fluoranthene	**930**		81	20	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzo[g,h,i]perylene	**630**		81	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Benzo[k]fluoranthene	**330**		81	24	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Bis(2-chloroethyl)ether	ND		81	15	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Caprolactam	ND		2000	260	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Carbazole	**51**	**J**	81	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Chloronaphthalene	ND		81	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Chrysene	**790**		81	44	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Dibenz(a,h)anthracene	**190**		81	51	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Dibenzofuran	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4-Dichlorophenol	ND		81	31	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4,6-Dinitro-2-methylphenol	ND	*+	2000	690	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
1,4-Dioxane	ND		810	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Fluoranthene	**890**		81	21	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Fluorene	ND		81	16	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Hexachlorobenzene	ND		81	29	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Hexachlorobutadiene	ND		81	23	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Hexachloroethane	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Indeno[1,2,3-cd]pyrene	**510**		81	40	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Isophorone	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Methylnaphthalene	**86**		81	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Methylphenol	ND		400	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Naphthalene	**85**		81	16	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17
Date Collected: 04/07/23 09:35
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-9
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		2000	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Nitrobenzene	ND		810	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
N-Nitrosodi-n-propylamine	ND		81	27	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,2'-oxybis[1-chloropropane]	ND		81	30	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Phenanthrene	**430**		81	22	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Phenol	ND		400	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
Pyrene	**1400**		81	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/14/23 16:35*	*04/15/23 15:36*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/14/23 16:35*	*04/15/23 15:36*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:36*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:36*	*1*
Terphenyl-d14 (Surr)	*85*		*39 - 105*	*04/14/23 16:35*	*04/15/23 15:36*	*1*
2,4,6-Tribromophenol (Surr)	*57*		*34 - 108*	*04/14/23 16:35*	*04/15/23 15:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1221	ND		20	6.9	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1232	ND		20	4.8	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1242	ND		20	2.9	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1248	**190**		20	4.7	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1254	**130**		20	5.9	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1260	**36**		20	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1262	ND		20	6.9	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1
PCB-1268	ND		20	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*86*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:24*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:24*	*1*
Tetrachloro-m-xylene (Surr)	*104*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:24*	*1*
Tetrachloro-m-xylene (Surr)	*108*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:24*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9700**		16	4.0	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Antimony	**0.39**	**J**	0.80	0.24	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Arsenic	**19**		0.80	0.50	mg/Kg	☼	04/17/23 12:00	04/26/23 20:43	1
Barium	**170**		16	2.9	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Beryllium	**0.62**		0.32	0.087	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Cadmium	**2.0**		0.40	0.059	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1

Client Sample ID: SSHS-IRM5A2-SCV47-0-0.17

Lab Sample ID: 180-154808-9

Date Collected: 04/07/23 09:35
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	8800		400	52	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Chromium	24		0.40	0.36	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Cobalt	9.9		4.0	0.56	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Copper	79		2.0	1.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Iron	27000	B	8.0	7.8	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Lead	180		0.80	0.70	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Magnesium	3100		400	44	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Manganese	560		1.2	0.22	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Nickel	41		3.2	0.40	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Potassium	1100		400	68	mg/Kg	☼	04/17/23 12:00	04/26/23 20:43	1
Selenium	1.4		0.80	0.37	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Silver	ND		0.40	0.083	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Sodium	74	J	400	41	mg/Kg	☼	04/17/23 12:00	04/26/23 20:43	1
Thallium	0.52	J	1.6	0.23	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Vanadium	19		4.0	0.63	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1
Zinc	1000	B	1.6	1.2	mg/Kg	☼	04/17/23 12:00	04/22/23 00:53	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.035	0.022	mg/Kg	☼	04/27/23 10:20	04/28/23 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.8		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	83.2		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75

Lab Sample ID: 180-154808-10

Date Collected: 04/07/23 09:40
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		23	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Benzene	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Bromoform	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Bromomethane	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
2-Butanone (MEK)	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Carbon disulfide	ND		5.7	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Carbon tetrachloride	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chlorobenzene	ND		5.7	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chlorobromomethane	ND		5.7	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chlorodibromomethane	ND		5.7	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chloroethane	ND		5.7	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chloroform	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Chloromethane	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
cis-1,2-Dichloroethene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
cis-1,3-Dichloropropene	ND		5.7	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Cyclohexane	ND		5.7	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2-Dibromo-3-Chloropropane	ND		5.7	3.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2-Dibromoethane	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75
Date Collected: 04/07/23 09:40
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-10
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.7	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,3-Dichlorobenzene	ND		5.7	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,4-Dichlorobenzene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Dichlorobromomethane	ND		5.7	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Dichlorodifluoromethane	ND	*+	5.7	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1-Dichloroethane	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2-Dichloroethane	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1-Dichloroethene	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2-Dichloroethene, Total	ND		11	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2-Dichloropropane	ND		5.7	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,4-Dioxane	ND		1100	40	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Ethylbenzene	ND		5.7	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
2-Hexanone	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Isopropylbenzene	ND		5.7	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Methyl acetate	ND		28	8.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Methylcyclohexane	ND		5.7	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Methylene Chloride	ND		5.7	5.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.7	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Methyl tert-butyl ether	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
m-Xylene & p-Xylene	ND		5.7	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
o-Xylene	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Styrene	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1,2,2-Tetrachloroethane	ND		5.7	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Tetrachloroethene	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Toluene	ND		5.7	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
trans-1,2-Dichloroethene	ND		5.7	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
trans-1,3-Dichloropropene	ND		5.7	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2,3-Trichlorobenzene	ND		5.7	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,2,4-Trichlorobenzene	ND		5.7	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1,1-Trichloroethane	ND		5.7	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1,2-Trichloroethane	ND		5.7	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Trichloroethene	ND		5.7	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Trichlorofluoromethane	ND		5.7	4.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Vinyl chloride	ND		5.7	4.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1
Xylenes, Total	ND		11	8.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/19/23 07:41*	*04/19/23 18:25*	*1*
Dibromofluoromethane (Surr)	*119*		*69 - 126*	*04/19/23 07:41*	*04/19/23 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*04/19/23 07:41*	*04/19/23 18:25*	*1*
Toluene-d8 (Surr)	*99*		*67 - 134*	*04/19/23 07:41*	*04/19/23 18:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Acenaphthylene	**42**	**J**	76	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Acetophenone	ND		760	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Anthracene	**32**	**J**	76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Atrazine	ND		760	170	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75
Date Collected: 04/07/23 09:40
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-10
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	ND		760	47	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Benzo[a]anthracene	**180**		76	34	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Benzo[a]pyrene	**200**		76	33	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Benzo[b]fluoranthene	**300**		76	19	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Benzo[g,h,i]perylene	**220**		76	16	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Benzo[k]fluoranthene	**91**		76	23	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Caprolactam	ND		1900	250	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Carbazole	ND		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Chrysene	**270**		76	42	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Dibenz(a,h)anthracene	**58**	**J**	76	49	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Dibenzofuran	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	660	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Fluoranthene	**210**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Fluorene	ND		76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Hexachloroethane	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Indeno[1,2,3-cd]pyrene	**170**		76	38	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Isophorone	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Methylnaphthalene	**110**		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Methylphenol	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Naphthalene	**110**		76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75
Date Collected: 04/07/23 09:40
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-10
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		760	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Phenanthrene	**140**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Phenol	ND		380	120	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
Pyrene	**360**		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*44 - 105*	*04/14/23 16:35*	*04/15/23 15:58*	*1*
2-Fluorophenol (Surr)	*59*		*48 - 105*	*04/14/23 16:35*	*04/15/23 15:58*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:58*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/14/23 16:35*	*04/15/23 15:58*	*1*
Terphenyl-d14 (Surr)	*97*		*39 - 105*	*04/14/23 16:35*	*04/15/23 15:58*	*1*
2,4,6-Tribromophenol (Surr)	*54*		*34 - 108*	*04/14/23 16:35*	*04/15/23 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1232	ND		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1248	**200**		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1254	**110**		19	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1260	**30**		19	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1262	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:43*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/13/23 10:28*	*04/18/23 19:43*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:43*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*04/13/23 10:28*	*04/18/23 19:43*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		18	4.4	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Antimony	**0.31**	**J**	0.89	0.27	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Arsenic	**11**		0.89	0.56	mg/Kg	☼	04/17/23 12:00	04/26/23 20:48	1
Barium	**120**		18	3.2	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Beryllium	**0.44**		0.36	0.097	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Cadmium	**0.98**		0.45	0.065	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Calcium	**2900**		450	58	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.17-0.75

Lab Sample ID: 180-154808-10

Date Collected: 04/07/23 09:40
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12		0.45	0.41	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Cobalt	7.6		4.5	0.63	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Copper	55		2.2	1.3	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Iron	21000	B	8.9	8.7	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Lead	62		0.89	0.78	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Magnesium	3200		450	49	mg/Kg	☼	04/17/23 12:00	04/26/23 20:48	1
Manganese	1400		1.3	0.25	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Nickel	29		3.6	0.45	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Potassium	610		450	76	mg/Kg	☼	04/17/23 12:00	04/26/23 20:48	1
Selenium	1.0		0.89	0.41	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Silver	ND		0.45	0.093	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Sodium	ND		450	46	mg/Kg	☼	04/17/23 12:00	04/26/23 20:48	1
Thallium	0.91	J	1.8	0.25	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Vanadium	14		4.5	0.70	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1
Zinc	260	B	1.8	1.3	mg/Kg	☼	04/17/23 12:00	04/22/23 01:08	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.49		0.036	0.023	mg/Kg	☼	04/27/23 10:20	04/28/23 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	12.3		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	87.7		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75

Lab Sample ID: 180-154808-11

Date Collected: 04/07/23 09:45
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chloroethane	ND		5.4	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75
Date Collected: 04/07/23 09:45
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-11
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Dichlorodifluoromethane	ND	*+	5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Toluene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/19/23 07:41	04/19/23 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/19/23 07:41*	*04/19/23 18:47*	*1*
Dibromofluoromethane (Surr)	*117*		*69 - 126*	*04/19/23 07:41*	*04/19/23 18:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*135*		*73 - 135*	*04/19/23 07:41*	*04/19/23 18:47*	*1*
Toluene-d8 (Surr)	*96*		*67 - 134*	*04/19/23 07:41*	*04/19/23 18:47*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Acenaphthylene	ND		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Acetophenone	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Anthracene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Atrazine	ND		720	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Benzaldehyde	ND		720	44	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75
Date Collected: 04/07/23 09:45
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-11
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		72	32	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Benzo[a]pyrene	ND		72	31	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Benzo[b]fluoranthene	**18**	**J**	72	18	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Benzo[g,h,i]perylene	**16**	**J**	72	15	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Benzo[k]fluoranthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Butyl benzyl phthalate	ND		350	250	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Carbazole	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Chloroaniline	ND		350	94	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Chloro-3-methylphenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2-Chloronaphthalene	ND		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Chrysene	ND		72	40	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Dibenz(a,h)anthracene	ND		72	46	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Diethyl phthalate	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	620	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Fluoranthene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Fluorene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Hexachlorocyclopentadiene	ND		350	37	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Indeno[1,2,3-cd]pyrene	ND		72	36	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Isophorone	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2-Methylnaphthalene	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Naphthalene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
3-Nitroaniline	ND		1800	91	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75

Date Collected: 04/07/23 09:45
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-11

Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,2'-oxybis[1-chloropropane]	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Phenanthrene	ND		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Phenol	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
Pyrene	**24**	**J**	72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*44 - 105*	*04/14/23 16:35*	*04/15/23 16:20*	*1*
2-Fluorophenol (Surr)	*50*		*48 - 105*	*04/14/23 16:35*	*04/15/23 16:20*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*04/14/23 16:35*	*04/15/23 16:20*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*04/14/23 16:35*	*04/15/23 16:20*	*1*
Terphenyl-d14 (Surr)	*78*		*39 - 105*	*04/14/23 16:35*	*04/15/23 16:20*	*1*
2,4,6-Tribromophenol (Surr)	*40*		*34 - 108*	*04/14/23 16:35*	*04/15/23 16:20*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1221	ND		18	6.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1248	**69**		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1254	**43**		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1260	**13**	**J**	18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:01*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*106*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:01*	*1*
Tetrachloro-m-xylene (Surr)	*110*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:01*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7100**		11	2.8	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Antimony	ND		0.56	0.17	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Arsenic	**8.6**		0.56	0.35	mg/Kg	☼	04/17/23 12:00	04/26/23 20:53	1
Barium	**50**		11	2.0	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Beryllium	**0.37**		0.23	0.061	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Cadmium	**0.53**		0.28	0.041	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Calcium	**2100**		280	36	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Chromium	**9.9**		0.28	0.26	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1

Client Sample ID: SSHS-IRM5A2-SCV47-0.75-1.75

Lab Sample ID: 180-154808-11

Date Collected: 04/07/23 09:45
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	7.8		2.8	0.40	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Copper	27		1.4	0.85	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Iron	17000	B	5.6	5.5	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Lead	29		0.56	0.49	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Magnesium	2300		280	31	mg/Kg	☼	04/17/23 12:00	04/26/23 20:53	1
Manganese	430		0.84	0.16	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Nickel	23		2.3	0.28	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Potassium	460		280	48	mg/Kg	☼	04/17/23 12:00	04/26/23 20:53	1
Selenium	0.30	J	0.56	0.26	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Silver	ND		0.28	0.059	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Sodium	36	J	280	29	mg/Kg	☼	04/17/23 12:00	04/26/23 20:53	1
Thallium	0.27	J	1.1	0.16	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Vanadium	12		2.8	0.45	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1
Zinc	85	B	1.1	0.82	mg/Kg	☼	04/17/23 12:00	04/22/23 01:13	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.088		0.033	0.021	mg/Kg	☼	04/27/23 10:20	04/28/23 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.4		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	91.6		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67

Lab Sample ID: 180-154808-12

Date Collected: 04/07/23 09:50
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Benzene	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Date Collected: 04/07/23 09:50
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-12
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Methyl acetate	ND		27	8.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Styrene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 124*	*04/19/23 07:41*	*04/19/23 19:09*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/19/23 07:41*	*04/19/23 19:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*73 - 135*	*04/19/23 07:41*	*04/19/23 19:09*	*1*
Toluene-d8 (Surr)	*91*		*67 - 134*	*04/19/23 07:41*	*04/19/23 19:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Acenaphthylene	**25**	**J**	72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Acetophenone	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Anthracene	**26**	**J**	72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Atrazine	ND		720	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Benzaldehyde	ND		720	45	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Benzo[a]anthracene	**110**		72	33	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67

Date Collected: 04/07/23 09:50
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-12

Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	**150**		72	31	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Benzo[b]fluoranthene	**200**		72	18	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Benzo[g,h,i]perylene	**170**		72	16	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Benzo[k]fluoranthene	**76**		72	22	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Bis(2-chloroethyl)ether	ND		72	13	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Bis(2-ethylhexyl) phthalate	ND		3600	380	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4-Bromophenyl phenyl ether	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Carbazole	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4-Chloroaniline	ND		360	95	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Chloronaphthalene	ND		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Chlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Chrysene	**150**		72	40	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Dibenz(a,h)anthracene	**46**	**J**	72	46	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Dibenzofuran	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4-Dichlorophenol	ND		72	28	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Dimethyl phthalate	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	620	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4-Dinitrophenol	ND		3600	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
1,4-Dioxane	ND		720	110	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Fluoranthene	**130**		72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Fluorene	ND		72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Hexachlorobenzene	ND		72	26	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Hexachlorobutadiene	ND		72	21	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Hexachlorocyclopentadiene	ND		360	37	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Indeno[1,2,3-cd]pyrene	**140**		72	36	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Methylnaphthalene	**17**	**J**	72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Methylphenol	ND		360	100	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Naphthalene	**21**	**J**	72	14	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
3-Nitroaniline	ND		1800	92	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Nitrobenzene	ND		720	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2-Nitrophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67

Date Collected: 04/07/23 09:50
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-12

Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
N-Nitrosodi-n-propylamine	ND		72	24	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,2'-oxybis[1-chloropropane]	ND		72	27	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Pentachlorophenol	ND		1800	580	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Phenanthrene	**57**	**J**	72	19	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
Pyrene	**200**		72	17	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
1,2,4,5-Tetrachlorobenzene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*44 - 105*	*04/14/23 16:35*	*04/15/23 16:42*	*1*
2-Fluorophenol (Surr)	*49*		*48 - 105*	*04/14/23 16:35*	*04/15/23 16:42*	*1*
Nitrobenzene-d5 (Surr)	*59*		*46 - 105*	*04/14/23 16:35*	*04/15/23 16:42*	*1*
Phenol-d5 (Surr)	*58*		*46 - 105*	*04/14/23 16:35*	*04/15/23 16:42*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*04/14/23 16:35*	*04/15/23 16:42*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/14/23 16:35*	*04/15/23 16:42*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1248	**84**		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1254	**54**		18	5.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1260	**14**	**J**	18	5.1	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1262	ND		18	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:20*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:20*	*1*
Tetrachloro-m-xylene (Surr)	*111*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:20*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9100**		14	3.6	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Antimony	**0.39**	**J**	0.71	0.22	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Arsenic	**8.3**		0.71	0.45	mg/Kg	☼	04/17/23 12:00	04/26/23 20:59	1
Barium	**90**		14	2.5	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Beryllium	**0.53**		0.28	0.078	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Cadmium	**0.80**		0.36	0.052	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Calcium	**2200**		360	46	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Chromium	**14**		0.36	0.32	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Cobalt	**9.1**		3.6	0.50	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67

Lab Sample ID: 180-154808-12
Date Collected: 04/07/23 09:50
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	36		1.8	1.1	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Iron	20000	B	7.1	6.9	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Lead	64		0.71	0.62	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Magnesium	2500		360	39	mg/Kg	☼	04/17/23 12:00	04/26/23 20:59	1
Manganese	480		1.1	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Nickel	26		2.8	0.36	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Potassium	730		360	61	mg/Kg	☼	04/17/23 12:00	04/26/23 20:59	1
Selenium	0.67	J	0.71	0.33	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Silver	ND		0.36	0.074	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Sodium	36	J	360	36	mg/Kg	☼	04/17/23 12:00	04/26/23 20:59	1
Thallium	0.54	J	1.4	0.20	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Vanadium	14		3.6	0.56	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1
Zinc	150	B	1.4	1.0	mg/Kg	☼	04/17/23 12:00	04/22/23 01:18	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.035	0.022	mg/Kg	☼	04/27/23 10:20	04/28/23 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.8		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	91.2		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67

Lab Sample ID: 180-154808-13
Date Collected: 04/07/23 09:55
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Benzene	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Bromoform	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
cis-1,2-Dichloroethene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dichlorobenzene	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,4-Dichlorobenzene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Date Collected: 04/07/23 09:55
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-13
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1-Dichloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Isopropylbenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Methyl acetate	ND		27	8.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Methylcyclohexane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Methylene Chloride	ND		5.5	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
m-Xylene & p-Xylene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Styrene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Trichlorofluoromethane	ND		5.5	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Vinyl chloride	ND		5.5	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*	*04/19/23 07:41*	*04/19/23 19:32*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*04/19/23 07:41*	*04/19/23 19:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*04/19/23 07:41*	*04/19/23 19:32*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/19/23 07:41*	*04/19/23 19:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Acenaphthylene	ND		71	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Acetophenone	ND		710	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Anthracene	ND		71	18	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Atrazine	ND		710	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Benzaldehyde	ND		710	44	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Benzo[a]anthracene	**50**	**J**	71	32	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Benzo[a]pyrene	**55**	**J**	71	31	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Date Collected: 04/07/23 09:55
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-13
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**68**	**J**	71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Benzo[g,h,i]perylene	**64**	**J**	71	15	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Benzo[k]fluoranthene	**39**	**J**	71	21	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Carbazole	ND		71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Chrysene	**76**		71	39	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Di-n-butyl phthalate	ND		350	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	610	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Fluoranthene	**56**	**J**	71	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Fluorene	ND		71	14	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Hexachloroethane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Indeno[1,2,3-cd]pyrene	**47**	**J**	71	35	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Isophorone	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Methylnaphthalene	**24**	**J**	71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Naphthalene	**18**	**J**	71	14	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67

Date Collected: 04/07/23 09:55
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-13

Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Phenanthrene	**48**	**J**	71	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Phenol	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
Pyrene	**91**		71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*78*		*44 - 105*	*04/14/23 16:35*	*04/15/23 17:05*	*1*
2-Fluorophenol (Surr)	*60*		*48 - 105*	*04/14/23 16:35*	*04/15/23 17:05*	*1*
Nitrobenzene-d5 (Surr)	*70*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:05*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:05*	*1*
Terphenyl-d14 (Surr)	*100*		*39 - 105*	*04/14/23 16:35*	*04/15/23 17:05*	*1*
2,4,6-Tribromophenol (Surr)	*52*		*34 - 108*	*04/14/23 16:35*	*04/15/23 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.8	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1221	ND		18	6.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1248	ND		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1254	**25**		18	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*103*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:39*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:39*	*1*
Tetrachloro-m-xylene (Surr)	*103*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:39*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:39*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		13	3.2	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Antimony	**0.29**	**J**	0.63	0.19	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Arsenic	**8.0**		0.63	0.40	mg/Kg	☼	04/17/23 12:00	04/26/23 21:04	1
Barium	**87**		13	2.3	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Beryllium	**0.45**		0.25	0.069	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Cadmium	**0.62**		0.32	0.047	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Calcium	**4900**		320	41	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Chromium	**12**		0.32	0.29	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Cobalt	**7.9**		3.2	0.45	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Copper	**38**		1.6	0.96	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67

Lab Sample ID: 180-154808-13

Date Collected: 04/07/23 09:55
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	20000	B	6.3	6.2	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Lead	63		0.63	0.55	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Magnesium	3000		320	35	mg/Kg	☼	04/17/23 12:00	04/26/23 21:04	1
Manganese	480		0.95	0.18	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Nickel	22		2.5	0.32	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Potassium	650		320	54	mg/Kg	☼	04/17/23 12:00	04/26/23 21:04	1
Selenium	0.39	J	0.63	0.29	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Silver	ND		0.32	0.066	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Sodium	50	J	320	32	mg/Kg	☼	04/17/23 12:00	04/26/23 21:04	1
Thallium	0.52	J	1.3	0.18	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Vanadium	15		3.2	0.50	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1
Zinc	100	B	1.3	0.92	mg/Kg	☼	04/17/23 12:00	04/22/23 01:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.12		0.033	0.021	mg/Kg	☼	04/27/23 10:20	04/28/23 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	8.4		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	91.6		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17

Lab Sample ID: 180-154808-14

Date Collected: 04/07/23 10:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		24	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Benzene	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Bromoform	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Bromomethane	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
2-Butanone (MEK)	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Carbon disulfide	ND		6.0	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Carbon tetrachloride	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chlorobenzene	ND		6.0	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chlorobromomethane	ND		6.0	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chlorodibromomethane	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chloroethane	ND		6.0	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chloroform	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Chloromethane	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
cis-1,2-Dichloroethene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
cis-1,3-Dichloropropene	ND		6.0	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Cyclohexane	ND		6.0	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dibromo-3-Chloropropane	ND		6.0	3.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dichlorobenzene	ND		6.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,3-Dichlorobenzene	ND		6.0	3.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Dichlorobromomethane	ND		6.0	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Date Collected: 04/07/23 10:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-14
Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	*+	6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1-Dichloroethane	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dichloroethane	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1-Dichloroethene	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dichloroethene, Total	ND		12	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2-Dichloropropane	ND		6.0	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,4-Dioxane	ND		1200	42	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Ethylbenzene	ND		6.0	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
2-Hexanone	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Isopropylbenzene	ND		6.0	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Methyl acetate	ND		30	8.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Methylcyclohexane	ND		6.0	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Methylene Chloride	ND		6.0	5.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Methyl tert-butyl ether	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
m-Xylene & p-Xylene	ND		6.0	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
o-Xylene	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Styrene	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1,2,2-Tetrachloroethane	ND		6.0	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Tetrachloroethene	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Toluene	ND		6.0	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
trans-1,2-Dichloroethene	ND		6.0	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
trans-1,3-Dichloropropene	ND		6.0	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2,3-Trichlorobenzene	ND		6.0	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,2,4-Trichlorobenzene	ND		6.0	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1,1-Trichloroethane	ND		6.0	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1,2-Trichloroethane	ND		6.0	1.2	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Trichloroethene	ND		6.0	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Trichlorofluoromethane	ND		6.0	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.0	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Vinyl chloride	ND		6.0	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1
Xylenes, Total	ND		12	8.6	ug/Kg	☼	04/19/23 07:41	04/19/23 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 124*	*04/19/23 07:41*	*04/19/23 19:55*	*1*
Dibromofluoromethane (Surr)	*130*	*S1+*	*69 - 126*	*04/19/23 07:41*	*04/19/23 19:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*167*	*S1+*	*73 - 135*	*04/19/23 07:41*	*04/19/23 19:55*	*1*
Toluene-d8 (Surr)	*100*		*67 - 134*	*04/19/23 07:41*	*04/19/23 19:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		80	23	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Acenaphthylene	**38**	**J**	80	18	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Acetophenone	ND		800	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Anthracene	**27**	**J**	80	21	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Atrazine	ND		800	180	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Benzaldehyde	ND		800	50	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Benzo[a]anthracene	**120**		80	36	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Benzo[a]pyrene	**140**		80	35	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Benzo[b]fluoranthene	**200**		80	20	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17

Date Collected: 04/07/23 10:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-14

Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	**140**		80	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Benzo[k]fluoranthene	**76**	**J**	80	24	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
1,1'-Biphenyl	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Bis(2-chloroethoxy)methane	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Bis(2-chloroethyl)ether	ND		80	15	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Bis(2-ethylhexyl) phthalate	ND		4000	430	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Bromophenyl phenyl ether	ND		400	170	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Butyl benzyl phthalate	ND		400	280	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Caprolactam	ND		2000	260	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Carbazole	ND		80	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Chloroaniline	ND		400	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Chloro-3-methylphenol	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Chloronaphthalene	ND		80	18	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Chlorophenol	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Chlorophenyl phenyl ether	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Chrysene	**170**		80	44	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Dibenz(a,h)anthracene	ND		80	51	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Dibenzofuran	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
3,3'-Dichlorobenzidine	ND		400	370	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4-Dichlorophenol	ND		80	31	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Diethyl phthalate	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4-Dimethylphenol	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Dimethyl phthalate	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Di-n-butyl phthalate	ND		400	180	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4,6-Dinitro-2-methylphenol	ND	*+	2000	690	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4-Dinitrophenol	ND		4000	2500	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4-Dinitrotoluene	ND		400	240	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,6-Dinitrotoluene	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Di-n-octyl phthalate	ND		400	230	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
1,4-Dioxane	ND		800	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Fluoranthene	**170**		80	21	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Fluorene	ND		80	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Hexachlorobenzene	ND		80	29	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Hexachlorobutadiene	ND		80	23	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Hexachlorocyclopentadiene	ND		400	41	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Hexachloroethane	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Indeno[1,2,3-cd]pyrene	**100**		80	40	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Isophorone	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Methylnaphthalene	**27**	**J**	80	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Methylphenol	ND		400	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Methylphenol, 3 & 4	ND		400	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Naphthalene	**33**	**J**	80	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Nitroaniline	ND		2000	180	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
3-Nitroaniline	ND		2000	100	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Nitroaniline	ND		2000	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Nitrobenzene	ND		800	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2-Nitrophenol	ND		400	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
4-Nitrophenol	ND		2000	280	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
N-Nitrosodi-n-propylamine	ND		80	27	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17

Date Collected: 04/07/23 10:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-14

Matrix: Solid
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,2'-oxybis[1-chloropropane]	ND		80	30	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Pentachlorophenol	ND		2000	640	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Phenanthrene	**83**		80	22	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Phenol	ND		400	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
Pyrene	**260**		80	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
1,2,4,5-Tetrachlorobenzene	ND		400	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,3,4,6-Tetrachlorophenol	ND		400	170	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4,5-Trichlorophenol	ND		400	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1
2,4,6-Trichlorophenol	ND		400	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*84*		*44 - 105*	*04/14/23 16:35*	*04/15/23 17:27*	*1*
2-Fluorophenol (Surr)	*64*		*48 - 105*	*04/14/23 16:35*	*04/15/23 17:27*	*1*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:27*	*1*
Phenol-d5 (Surr)	*68*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:27*	*1*
Terphenyl-d14 (Surr)	*91*		*39 - 105*	*04/14/23 16:35*	*04/15/23 17:27*	*1*
2,4,6-Tribromophenol (Surr)	*66*		*34 - 108*	*04/14/23 16:35*	*04/15/23 17:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		20	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1221	ND		20	7.0	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1232	ND		20	4.8	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1242	ND		20	2.9	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1248	**170**		20	4.8	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1254	**98**		20	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1260	**26**		20	5.7	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1262	ND		20	7.0	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1
PCB-1268	ND		20	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:57*	*1*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/13/23 10:28*	*04/18/23 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:57*	*1*
Tetrachloro-m-xylene (Surr)	*123*		*55 - 135*	*04/13/23 10:28*	*04/18/23 20:57*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		12	3.0	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Antimony	**0.29**	**J**	0.60	0.18	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Arsenic	**9.2**		0.60	0.38	mg/Kg	☼	04/17/23 12:00	04/26/23 21:09	1
Barium	**120**		12	2.1	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Beryllium	**0.52**		0.24	0.065	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Cadmium	**0.93**		0.30	0.044	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Calcium	**27000**		300	39	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Chromium	**15**		0.30	0.27	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Cobalt	**10**		3.0	0.42	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Copper	**36**		1.5	0.91	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Iron	**20000**	**B**	6.0	5.9	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-154808-14

Date Collected: 04/07/23 10:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		0.60	0.52	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Magnesium	2700		300	33	mg/Kg	☼	04/17/23 12:00	04/26/23 21:09	1
Manganese	520		0.90	0.17	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Nickel	30		2.4	0.30	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Potassium	1000		300	51	mg/Kg	☼	04/17/23 12:00	04/26/23 21:09	1
Selenium	0.63		0.60	0.28	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Silver	ND		0.30	0.062	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Sodium	60	J	300	31	mg/Kg	☼	04/17/23 12:00	04/26/23 21:09	1
Thallium	0.27	J	1.2	0.17	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Vanadium	15		3.0	0.48	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1
Zinc	290	B	1.2	0.87	mg/Kg	☼	04/17/23 12:00	04/22/23 01:28	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.1		0.079	0.051	mg/Kg	☼	04/27/23 10:20	04/28/23 15:20	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	16.8		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	83.2		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-154808-15

Date Collected: 04/07/23 10:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Carbon tetrachloride	ND		5.5	2.3	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chlorodibromomethane	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
cis-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Cyclohexane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Dichlorodifluoromethane	ND	*+	5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Date Collected: 04/07/23 10:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-15
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Ethylbenzene	ND		5.5	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Methyl acetate	ND		28	8.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2,3-Trichlorobenzene	ND		5.5	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,1,1-Trichloroethane	ND		5.5	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/19/23 07:41*	*04/19/23 20:18*	*1*
Dibromofluoromethane (Surr)	*121*		*69 - 126*	*04/19/23 07:41*	*04/19/23 20:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*144*	*S1+*	*73 - 135*	*04/19/23 07:41*	*04/19/23 20:18*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/19/23 07:41*	*04/19/23 20:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Anthracene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Benzo[a]anthracene	**41**	**J**	74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Benzo[a]pyrene	**45**	**J**	74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Benzo[b]fluoranthene	**70**	**J**	74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Benzo[g,h,i]perylene	**64**	**J**	74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Date Collected: 04/07/23 10:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-15
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	**24**	**J**	74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Chrysene	**68**	**J**	74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	630	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Fluoranthene	**48**	**J**	74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Fluorene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Indeno[1,2,3-cd]pyrene	**49**	**J**	74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Date Collected: 04/07/23 10:05
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-15
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Phenanthrene	**33**	**J**	74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
Pyrene	**76**		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/14/23 16:35*	*04/15/23 17:49*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/14/23 16:35*	*04/15/23 17:49*	*1*
Nitrobenzene-d5 (Surr)	*67*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:49*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/14/23 16:35*	*04/15/23 17:49*	*1*
Terphenyl-d14 (Surr)	*87*		*39 - 105*	*04/14/23 16:35*	*04/15/23 17:49*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*34 - 108*	*04/14/23 16:35*	*04/15/23 17:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1248	**85**		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1254	**51**		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1260	**14**	**J**	18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1262	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*98*		*63 - 138*	*04/13/23 10:28*	*04/18/23 21:16*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*63 - 138*	*04/13/23 10:28*	*04/18/23 21:16*	*1*
Tetrachloro-m-xylene (Surr)	*107*		*55 - 135*	*04/13/23 10:28*	*04/18/23 21:16*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*04/13/23 10:28*	*04/18/23 21:16*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		21	5.2	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Antimony	**0.45**	**J**	1.0	0.32	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Arsenic	**11**		1.0	0.66	mg/Kg	☼	04/17/23 12:01	04/26/23 21:24	1
Barium	**99**		21	3.7	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Beryllium	**0.47**		0.42	0.11	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Cadmium	**0.69**		0.52	0.077	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Calcium	**11000**		520	68	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Chromium	**13**		0.52	0.48	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Cobalt	**8.3**		5.2	0.74	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Copper	**41**		2.6	1.6	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Iron	**22000**	**B**	10	10	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Lead	**57**		1.0	0.91	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-154808-15
Date Collected: 04/07/23 10:05
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	**3600**		520	58	mg/Kg	☼	04/17/23 12:01	04/26/23 21:24	1
Manganese	**520**		1.6	0.29	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Nickel	**24**		4.2	0.53	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Potassium	**760**		520	89	mg/Kg	☼	04/17/23 12:01	04/26/23 21:24	1
Selenium	**0.62**	**J**	1.0	0.48	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Silver	ND		0.52	0.11	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Sodium	**54**	**J**	520	54	mg/Kg	☼	04/17/23 12:01	04/26/23 21:24	1
Thallium	**0.67**	**J**	2.1	0.30	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Vanadium	**16**		5.2	0.83	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1
Zinc	**130**	**B**	2.1	1.5	mg/Kg	☼	04/17/23 12:01	04/22/23 01:33	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.3**		0.34	0.22	mg/Kg	☼	04/27/23 10:20	04/28/23 15:53	10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10**		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	**90.0**		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Lab Sample ID: 180-154808-16
Date Collected: 04/07/23 10:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Benzene	ND		5.4	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Bromomethane	ND		5.4	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
2-Butanone (MEK)	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Carbon disulfide	ND		5.4	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Carbon tetrachloride	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chlorobenzene	ND		5.4	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chlorobromomethane	ND		5.4	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chlorodibromomethane	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chloroethane	ND		5.4	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chloroform	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Chloromethane	ND		5.4	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
cis-1,2-Dichloroethene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
cis-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Cyclohexane	ND		5.4	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2-Dibromo-3-Chloropropane	ND		5.4	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2-Dibromoethane	ND		5.4	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2-Dichlorobenzene	ND		5.4	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,3-Dichlorobenzene	ND		5.4	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,4-Dichlorobenzene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Dichlorobromomethane	ND		5.4	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Dichlorodifluoromethane	ND	*+	5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1-Dichloroethane	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Date Collected: 04/07/23 10:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-16
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1-Dichloroethene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2-Dichloropropane	ND		5.4	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Ethylbenzene	ND		5.4	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
2-Hexanone	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Isopropylbenzene	ND		5.4	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Methylcyclohexane	ND		5.4	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Methylene Chloride	ND		5.4	4.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.4	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Methyl tert-butyl ether	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
m-Xylene & p-Xylene	ND		5.4	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
o-Xylene	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Styrene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1,2,2-Tetrachloroethane	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Tetrachloroethene	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Toluene	ND		5.4	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
trans-1,2-Dichloroethene	ND		5.4	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2,3-Trichlorobenzene	ND		5.4	3.0	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,2,4-Trichlorobenzene	ND		5.4	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1,1-Trichloroethane	ND		5.4	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1,2-Trichloroethane	ND		5.4	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Trichloroethene	ND		5.4	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Trichlorofluoromethane	ND		5.4	4.5	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Vinyl chloride	ND		5.4	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1
Xylenes, Total	ND		11	7.8	ug/Kg	☼	04/19/23 07:41	04/19/23 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 124*	*04/19/23 07:41*	*04/19/23 20:40*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*	*04/19/23 07:41*	*04/19/23 20:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*145*	*S1+*	*73 - 135*	*04/19/23 07:41*	*04/19/23 20:40*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*	*04/19/23 07:41*	*04/19/23 20:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Anthracene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Date Collected: 04/07/23 10:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-16
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Chloroaniline	ND		360	97	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Chrysene	ND		74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	640	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Fluoranthene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Fluorene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Date Collected: 04/07/23 10:10
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-16
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
Pyrene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*44 - 105*	*04/14/23 16:35*	*04/15/23 18:11*	*1*
2-Fluorophenol (Surr)	*50*		*48 - 105*	*04/14/23 16:35*	*04/15/23 18:11*	*1*
Nitrobenzene-d5 (Surr)	*60*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:11*	*1*
Phenol-d5 (Surr)	*56*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:11*	*1*
Terphenyl-d14 (Surr)	*88*		*39 - 105*	*04/14/23 16:35*	*04/15/23 18:11*	*1*
2,4,6-Tribromophenol (Surr)	*42*		*34 - 108*	*04/14/23 16:35*	*04/15/23 18:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	6.0	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1232	ND		18	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1248	ND		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1254	ND		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1260	ND		18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1262	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:12*	*1*
DCB Decachlorobiphenyl (Surr)	*83*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:12*	*1*
Tetrachloro-m-xylene (Surr)	*101*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:12*	*1*
Tetrachloro-m-xylene (Surr)	*102*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:12*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7000**		11	2.8	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Antimony	**0.23**	**J**	0.56	0.17	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Arsenic	**5.0**		0.56	0.35	mg/Kg	☼	04/17/23 12:01	04/26/23 21:29	1
Barium	**44**		11	2.0	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Beryllium	**0.26**		0.22	0.061	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Cadmium	**0.45**		0.28	0.041	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Calcium	**74000**		1400	180	mg/Kg	☼	04/17/23 12:01	04/26/23 21:34	5
Chromium	**9.0**		0.28	0.25	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Cobalt	**7.3**		2.8	0.39	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Copper	**17**		1.4	0.84	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Iron	**15000**	**B**	5.6	5.4	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Lead	**11**		0.56	0.49	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Magnesium	**7100**		280	31	mg/Kg	☼	04/17/23 12:01	04/26/23 21:29	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75

Lab Sample ID: 180-154808-16

Date Collected: 04/07/23 10:10
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	350		0.84	0.16	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Nickel	18		2.2	0.28	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Potassium	840		280	47	mg/Kg	☼	04/17/23 12:01	04/26/23 21:29	1
Selenium	ND		0.56	0.26	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Silver	ND		0.28	0.058	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Sodium	71	J	280	29	mg/Kg	☼	04/17/23 12:01	04/26/23 21:29	1
Thallium	0.25	J	1.1	0.16	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Vanadium	11		2.8	0.44	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1
Zinc	46	B	1.1	0.81	mg/Kg	☼	04/17/23 12:01	04/22/23 01:49	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	22		0.90	0.58	mg/Kg	☼	04/27/23 10:20	04/28/23 15:55	25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	9.5		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	90.5		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP17

Lab Sample ID: 180-154808-17

Date Collected: 04/07/23 00:00
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		21	4.2	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Benzene	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Bromoform	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Bromomethane	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
2-Butanone (MEK)	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Carbon disulfide	ND		5.3	4.3	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Carbon tetrachloride	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chlorobenzene	ND		5.3	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chlorobromomethane	ND		5.3	3.2	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chlorodibromomethane	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chloroethane	ND		5.3	3.1	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chloroform	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Chloromethane	ND		5.3	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
cis-1,2-Dichloroethene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
cis-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Cyclohexane	ND		5.3	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dibromo-3-Chloropropane	ND		5.3	3.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dibromoethane	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dichlorobenzene	ND		5.3	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,3-Dichlorobenzene	ND		5.3	3.3	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,4-Dichlorobenzene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Dichlorobromomethane	ND		5.3	2.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Dichlorodifluoromethane	ND	*+	5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,1-Dichloroethane	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dichloroethane	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP17
Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-17
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dichloroethene, Total	ND		11	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2-Dichloropropane	ND		5.3	1.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,4-Dioxane	ND		1100	38	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Ethylbenzene	ND		5.3	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
2-Hexanone	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Isopropylbenzene	ND		5.3	2.8	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Methyl acetate	ND		27	7.9	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Methylcyclohexane	ND		5.3	2.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Methylene Chloride	ND		5.3	4.8	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.3	2.0	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Methyl tert-butyl ether	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
m-Xylene & p-Xylene	ND		5.3	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
o-Xylene	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Styrene	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,1,2,2-Tetrachloroethane	ND		5.3	1.6	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Tetrachloroethene	ND		5.3	2.2	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Toluene	ND		5.3	1.5	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
trans-1,2-Dichloroethene	ND		5.3	1.9	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
trans-1,3-Dichloropropene	ND		5.3	2.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2,3-Trichlorobenzene	ND		5.3	2.9	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,2,4-Trichlorobenzene	ND		5.3	2.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,1,1-Trichloroethane	ND		5.3	1.8	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,1,2-Trichloroethane	ND		5.3	1.1	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Trichloroethene	ND		5.3	1.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Trichlorofluoromethane	ND		5.3	4.4	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	2.1	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Vinyl chloride	ND		5.3	3.9	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1
Xylenes, Total	ND		11	7.7	ug/Kg	☼	04/19/23 07:41	04/19/23 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*	*04/19/23 07:41*	*04/19/23 21:03*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*04/19/23 07:41*	*04/19/23 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*73 - 135*	*04/19/23 07:41*	*04/19/23 21:03*	*1*
Toluene-d8 (Surr)	*98*		*67 - 134*	*04/19/23 07:41*	*04/19/23 21:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Anthracene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzo[b]fluoranthene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzo[g,h,i]perylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
1,1'-Biphenyl	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP17
Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-17
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Bis(2-ethylhexyl) phthalate	ND		3700	390	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Bromophenyl phenyl ether	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Butyl benzyl phthalate	ND		370	250	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Chloroaniline	ND		370	97	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Chloro-3-methylphenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Chlorophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Chlorophenyl phenyl ether	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Chrysene	ND		74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Dibenzofuran	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
3,3'-Dichlorobenzidine	ND		370	350	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4-Dichlorophenol	ND		74	29	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Diethyl phthalate	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4-Dimethylphenol	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Dimethyl phthalate	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Di-n-butyl phthalate	ND		370	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	640	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4-Dinitrophenol	ND		3700	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4-Dinitrotoluene	ND		370	220	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,6-Dinitrotoluene	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Di-n-octyl phthalate	ND		370	220	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
1,4-Dioxane	ND		740	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Fluoranthene	ND		74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Fluorene	ND		74	15	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Hexachlorobenzene	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Hexachlorobutadiene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Hexachlorocyclopentadiene	ND		370	38	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Hexachloroethane	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Isophorone	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Methylphenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Methylphenol, 3 & 4	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
3-Nitroaniline	ND		1900	94	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Nitrobenzene	ND		740	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2-Nitrophenol	ND		370	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
N-Nitrosodiphenylamine	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Pentachlorophenol	ND		1900	600	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV-DUP17

Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-17

Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Phenol	ND		370	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
Pyrene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
1,2,4,5-Tetrachlorobenzene	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,3,4,6-Tetrachlorophenol	ND		370	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4,5-Trichlorophenol	ND		370	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1
2,4,6-Trichlorophenol	ND		370	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/14/23 16:35*	*04/15/23 18:33*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*04/14/23 16:35*	*04/15/23 18:33*	*1*
Nitrobenzene-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:33*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:33*	*1*
Terphenyl-d14 (Surr)	*80*		*39 - 105*	*04/14/23 16:35*	*04/15/23 18:33*	*1*
2,4,6-Tribromophenol (Surr)	*48*		*34 - 108*	*04/14/23 16:35*	*04/15/23 18:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1232	ND		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1248	ND		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1254	ND		19	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1260	ND		19	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1262	ND		19	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*101*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:30*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:30*	*1*
Tetrachloro-m-xylene (Surr)	*118*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:30*	*1*
Tetrachloro-m-xylene (Surr)	*120*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:30*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8500**		14	3.6	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Antimony	**0.27**	**J**	0.72	0.22	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Arsenic	**7.4**		0.72	0.45	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Barium	**73**		14	2.6	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Beryllium	**0.37**		0.29	0.078	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Cadmium	**0.52**		0.36	0.053	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Calcium	**29000**		360	46	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Chromium	**11**		0.36	0.33	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Cobalt	**8.8**		3.6	0.50	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Copper	**23**		1.8	1.1	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Iron	**20000**		7.2	7.0	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Lead	**16**		0.72	0.62	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Magnesium	**6300**		360	39	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Manganese	**360**		1.1	0.20	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1

Client Sample ID: SSHS-IRM5A2-SCV-DUP17

Date Collected: 04/07/23 00:00
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-17

Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**23**		2.9	0.36	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Potassium	**760**		360	61	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Selenium	ND		0.72	0.33	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Silver	ND		0.36	0.075	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Sodium	**62**	**J**	360	37	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Thallium	ND		1.4	0.20	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Vanadium	**13**		3.6	0.57	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1
Zinc	**70**	**B**	1.4	1.0	mg/Kg	☼	05/01/23 11:30	05/03/23 14:09	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**63**		6.7	4.3	mg/Kg	☼	04/27/23 10:20	04/28/23 15:58	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**10.5**		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	**89.5**		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Date Collected: 04/07/23 10:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-18

Matrix: Solid
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	4.0	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Benzene	ND		5.1	1.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Bromoform	ND		5.1	2.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Bromomethane	ND		5.1	2.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
2-Butanone (MEK)	ND		5.1	2.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Carbon disulfide	ND		5.1	4.1	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Carbon tetrachloride	ND		5.1	2.1	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chlorobenzene	ND		5.1	1.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chlorobromomethane	ND		5.1	3.1	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chlorodibromomethane	ND		5.1	2.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chloroethane	ND		5.1	3.0	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chloroform	ND		5.1	1.7	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Chloromethane	ND		5.1	2.0	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
cis-1,2-Dichloroethene	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
cis-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Cyclohexane	ND		5.1	2.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2-Dibromo-3-Chloropropane	ND		5.1	3.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2-Dichlorobenzene	ND		5.1	1.7	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,3-Dichlorobenzene	ND		5.1	3.2	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,4-Dichlorobenzene	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Dichlorobromomethane	ND		5.1	2.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Dichlorodifluoromethane	ND	*+	5.1	2.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1-Dichloroethane	ND		5.1	1.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2-Dichloroethane	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1-Dichloroethene	ND		5.1	2.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Date Collected: 04/07/23 10:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-18
Matrix: Solid
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	ND		10	4.2	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2-Dichloropropane	ND		5.1	1.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,4-Dioxane	ND		1000	36	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Ethylbenzene	ND		5.1	1.9	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
2-Hexanone	ND		5.1	1.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Isopropylbenzene	ND		5.1	2.7	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Methyl acetate	ND		26	7.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Methylcyclohexane	ND		5.1	2.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Methylene Chloride	ND		5.1	4.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.1	1.9	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Methyl tert-butyl ether	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
m-Xylene & p-Xylene	ND		5.1	1.8	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
o-Xylene	ND		5.1	2.1	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Styrene	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1,2,2-Tetrachloroethane	ND		5.1	1.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Tetrachloroethene	ND		5.1	2.1	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Toluene	ND		5.1	1.5	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
trans-1,2-Dichloroethene	ND		5.1	1.8	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
trans-1,3-Dichloropropene	ND		5.1	2.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2,3-Trichlorobenzene	ND		5.1	2.8	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,2,4-Trichlorobenzene	ND		5.1	2.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1,1-Trichloroethane	ND		5.1	1.7	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1,2-Trichloroethane	ND		5.1	1.0	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Trichloroethene	ND		5.1	1.6	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Trichlorofluoromethane	ND		5.1	4.3	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	2.0	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Vinyl chloride	ND		5.1	3.7	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1
Xylenes, Total	ND		10	7.4	ug/Kg	☼	04/19/23 20:04	04/19/23 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*60 - 124*	*04/19/23 20:04*	*04/19/23 21:26*	*1*
Dibromofluoromethane (Surr)	*106*		*69 - 126*	*04/19/23 20:04*	*04/19/23 21:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*119*		*73 - 135*	*04/19/23 20:04*	*04/19/23 21:26*	*1*
Toluene-d8 (Surr)	*90*		*67 - 134*	*04/19/23 20:04*	*04/19/23 21:26*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		71	20	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Acenaphthylene	ND		71	15	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Acetophenone	ND		710	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Anthracene	ND		71	18	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Atrazine	ND		710	150	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzaldehyde	ND	F1	710	44	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzo[a]anthracene	ND		71	32	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzo[a]pyrene	ND		71	31	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzo[b]fluoranthene	**51**	**J**	71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzo[g,h,i]perylene	ND		71	15	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Benzo[k]fluoranthene	ND		71	21	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
1,1'-Biphenyl	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Bis(2-chloroethoxy)methane	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Date Collected: 04/07/23 10:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-18
Matrix: Solid
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		71	13	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Bis(2-ethylhexyl) phthalate	ND		3500	380	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Bromophenyl phenyl ether	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Butyl benzyl phthalate	ND		350	240	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Caprolactam	ND		1800	230	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Carbazole	ND		71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Chloroaniline	ND		350	93	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Chloro-3-methylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Chloronaphthalene	ND		71	16	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Chlorophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Chlorophenyl phenyl ether	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Chrysene	**41**	**J**	71	39	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Dibenz(a,h)anthracene	ND		71	45	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Dibenzofuran	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
3,3'-Dichlorobenzidine	ND		350	330	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4-Dichlorophenol	ND		71	27	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Diethyl phthalate	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4-Dimethylphenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Dimethyl phthalate	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Di-n-butyl phthalate	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4,6-Dinitro-2-methylphenol	ND	*+	1800	610	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4-Dinitrophenol	ND		3500	2200	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4-Dinitrotoluene	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,6-Dinitrotoluene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Di-n-octyl phthalate	ND		350	210	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
1,4-Dioxane	ND		710	110	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Fluoranthene	**37**	**J**	71	19	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Fluorene	ND		71	14	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Hexachlorobenzene	ND		71	25	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Hexachlorobutadiene	ND		71	21	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Hexachlorocyclopentadiene	ND		350	36	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Hexachloroethane	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Indeno[1,2,3-cd]pyrene	ND		71	35	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Isophorone	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Methylnaphthalene	ND		71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Methylphenol	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Methylphenol, 3 & 4	ND		350	100	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Naphthalene	ND		71	14	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Nitroaniline	ND		1800	160	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
3-Nitroaniline	ND		1800	90	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Nitroaniline	ND		1800	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Nitrobenzene	ND		710	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2-Nitrophenol	ND		350	130	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
4-Nitrophenol	ND		1800	250	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
N-Nitrosodi-n-propylamine	ND		71	24	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
N-Nitrosodiphenylamine	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,2'-oxybis[1-chloropropane]	ND		71	26	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Pentachlorophenol	ND		1800	570	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Phenanthrene	ND		71	19	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Date Collected: 04/07/23 10:15
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-18

Matrix: Solid
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		350	110	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
Pyrene	**45**	**J**	71	17	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
1,2,4,5-Tetrachlorobenzene	ND		350	140	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,3,4,6-Tetrachlorophenol	ND		350	150	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4,5-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1
2,4,6-Trichlorophenol	ND		350	120	ug/Kg	☼	04/14/23 16:35	04/15/23 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*44 - 105*	*04/14/23 16:35*	*04/15/23 11:35*	*1*
2-Fluorophenol (Surr)	*58*		*48 - 105*	*04/14/23 16:35*	*04/15/23 11:35*	*1*
Nitrobenzene-d5 (Surr)	*68*		*46 - 105*	*04/14/23 16:35*	*04/15/23 11:35*	*1*
Phenol-d5 (Surr)	*65*		*46 - 105*	*04/14/23 16:35*	*04/15/23 11:35*	*1*
Terphenyl-d14 (Surr)	*81*		*39 - 105*	*04/14/23 16:35*	*04/15/23 11:35*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*34 - 108*	*04/14/23 16:35*	*04/15/23 11:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.7	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1221	ND		18	6.2	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1232	ND		18	4.3	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1242	ND		18	2.6	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1248	ND		18	4.2	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1254	**41**		18	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1260	ND		18	5.0	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1262	ND		18	6.2	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1
PCB-1268	ND		18	2.4	ug/Kg	☼	04/13/23 10:28	04/18/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*107*		*63 - 138*	*04/13/23 10:28*	*04/18/23 15:59*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*63 - 138*	*04/13/23 10:28*	*04/18/23 15:59*	*1*
Tetrachloro-m-xylene (Surr)	*116*		*55 - 135*	*04/13/23 10:28*	*04/18/23 15:59*	*1*
Tetrachloro-m-xylene (Surr)	*121*		*55 - 135*	*04/13/23 10:28*	*04/18/23 15:59*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3100**		14	3.4	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Antimony	**0.39**	**J F2 F1**	0.69	0.21	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Arsenic	**3.9**	**F2**	0.69	0.43	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Barium	**35**	**F2 F1**	14	2.4	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Beryllium	**0.25**	**J F2**	0.27	0.075	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Cadmium	**0.13**	**J F2**	0.34	0.050	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Calcium	**2300**	**F2 F1**	340	44	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Chromium	**4.7**	**F2**	0.34	0.31	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Cobalt	**3.8**	**F2 F1**	3.4	0.48	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Copper	**16**	**F2 F1**	1.7	1.0	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Iron	**8400**		6.9	6.7	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Lead	**19**	**F2 F1**	0.69	0.60	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Magnesium	**1100**	**F2 F1**	340	38	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Manganese	**170**		1.0	0.19	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Nickel	**10**	**F2 F1**	2.7	0.35	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58

Lab Sample ID: 180-154808-18

Date Collected: 04/07/23 10:15
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 93.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**350**	**F2 B**	340	58	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Selenium	ND	F2	0.69	0.32	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Silver	ND	F2	0.34	0.071	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Sodium	ND	F2	340	35	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Thallium	**0.28**	**J F2**	1.4	0.20	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Vanadium	**6.3**	**F2**	3.4	0.54	mg/Kg	☼	04/13/23 11:18	04/26/23 00:44	1
Zinc	**140**	**B F2**	1.6	1.2	mg/Kg	☼	05/02/23 10:00	05/03/23 12:23	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**220**		6.4	4.1	mg/Kg	☼	04/27/23 10:20	04/28/23 14:46	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**6.7**		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	**93.3**		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58

Lab Sample ID: 180-154808-19

Date Collected: 04/07/23 10:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Carbon tetrachloride	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
cis-1,3-Dichloropropene	ND		5.5	2.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Cyclohexane	ND		5.5	2.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Dichlorodifluoromethane	ND	*+	5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Date Collected: 04/07/23 10:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-19
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Ethylbenzene	ND		5.5	2.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Methyl acetate	ND	*+	28	8.1	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1,1-Trichloroethane	ND		5.5	1.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1
Xylenes, Total	ND		11	7.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*	*04/20/23 07:05*	*04/20/23 13:17*	*1*
Dibromofluoromethane (Surr)	*118*		*69 - 126*	*04/20/23 07:05*	*04/20/23 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*131*		*73 - 135*	*04/20/23 07:05*	*04/20/23 13:17*	*1*
Toluene-d8 (Surr)	*97*		*67 - 134*	*04/20/23 07:05*	*04/20/23 13:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Acenaphthylene	ND		74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Acetophenone	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Anthracene	ND		74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Atrazine	ND		740	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzaldehyde	ND		740	46	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzo[a]anthracene	ND		74	33	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzo[a]pyrene	ND		74	32	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzo[b]fluoranthene	**38**	**J**	74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzo[g,h,i]perylene	**26**	**J**	74	16	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Benzo[k]fluoranthene	ND		74	22	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
1,1'-Biphenyl	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Bis(2-chloroethoxy)methane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Bis(2-chloroethyl)ether	ND		74	13	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Date Collected: 04/07/23 10:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-19
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		3600	390	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Bromophenyl phenyl ether	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Butyl benzyl phthalate	ND		360	250	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Caprolactam	ND		1900	240	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Carbazole	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Chloroaniline	ND		360	96	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Chloro-3-methylphenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Chloronaphthalene	ND		74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Chlorophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Chlorophenyl phenyl ether	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Chrysene	ND		74	41	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Dibenz(a,h)anthracene	ND		74	47	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Dibenzofuran	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
3,3'-Dichlorobenzidine	ND		360	340	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4-Dichlorophenol	ND		74	28	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Diethyl phthalate	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4-Dimethylphenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Dimethyl phthalate	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Di-n-butyl phthalate	ND		360	160	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	630	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4-Dinitrophenol	ND		3600	2300	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4-Dinitrotoluene	ND		360	220	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,6-Dinitrotoluene	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Di-n-octyl phthalate	ND		360	210	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
1,4-Dioxane	ND		740	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Fluoranthene	**20**	**J**	74	19	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Fluorene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Hexachlorobenzene	ND		74	26	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Hexachlorobutadiene	ND		74	21	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Hexachlorocyclopentadiene	ND		360	38	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Hexachloroethane	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Indeno[1,2,3-cd]pyrene	ND		74	37	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Isophorone	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Methylnaphthalene	ND		74	18	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Methylphenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Methylphenol, 3 & 4	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Naphthalene	ND		74	14	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
3-Nitroaniline	ND		1900	93	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Nitrobenzene	ND		740	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2-Nitrophenol	ND		360	140	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
4-Nitrophenol	ND		1900	260	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
N-Nitrosodi-n-propylamine	ND		74	25	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
N-Nitrosodiphenylamine	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,2'-oxybis[1-chloropropane]	ND		74	27	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Pentachlorophenol	ND		1900	590	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Phenanthrene	ND		74	20	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
Phenol	ND		360	110	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58

Date Collected: 04/07/23 10:20
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-19

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	**38**	**J**	74	17	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
1,2,4,5-Tetrachlorobenzene	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,3,4,6-Tetrachlorophenol	ND		360	150	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4,5-Trichlorophenol	ND		360	130	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1
2,4,6-Trichlorophenol	ND		360	120	ug/Kg	☼	04/14/23 16:35	04/15/23 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*70*		*44 - 105*	*04/14/23 16:35*	*04/15/23 18:55*	*1*
2-Fluorophenol (Surr)	*54*		*48 - 105*	*04/14/23 16:35*	*04/15/23 18:55*	*1*
Nitrobenzene-d5 (Surr)	*63*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:55*	*1*
Phenol-d5 (Surr)	*60*		*46 - 105*	*04/14/23 16:35*	*04/15/23 18:55*	*1*
Terphenyl-d14 (Surr)	*84*		*39 - 105*	*04/14/23 16:35*	*04/15/23 18:55*	*1*
2,4,6-Tribromophenol (Surr)	*51*		*34 - 108*	*04/14/23 16:35*	*04/15/23 18:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	5.9	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1221	ND		18	6.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1232	ND		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1242	ND		18	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1248	**130**		18	4.4	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1254	**88**		18	5.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1260	**16**	**J**	18	5.2	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1262	ND		18	6.4	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1
PCB-1268	ND		18	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*91*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:49*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*63 - 138*	*04/13/23 10:28*	*04/18/23 22:49*	*1*
Tetrachloro-m-xylene (Surr)	*109*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:49*	*1*
Tetrachloro-m-xylene (Surr)	*112*		*55 - 135*	*04/13/23 10:28*	*04/18/23 22:49*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6200**		17	4.3	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Antimony	ND		0.86	0.26	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Arsenic	**5.9**		0.86	0.54	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Barium	**39**		17	3.1	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Beryllium	**0.32**	**J**	0.34	0.094	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Cadmium	**0.43**		0.43	0.063	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Calcium	**16000**		430	56	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Chromium	**8.8**		0.43	0.39	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Cobalt	**6.4**		4.3	0.61	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Copper	**24**		2.2	1.3	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Iron	**15000**		8.6	8.4	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Lead	**18**		0.86	0.75	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Magnesium	**4900**		430	47	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Manganese	**360**		1.3	0.24	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Nickel	**18**		3.4	0.43	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Potassium	**580**		430	73	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58

Lab Sample ID: 180-154808-19

Date Collected: 04/07/23 10:20
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.86	0.40	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Silver	ND		0.43	0.090	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Sodium	**49**	**J**	430	44	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Thallium	ND		1.7	0.24	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Vanadium	**11**		4.3	0.68	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1
Zinc	**79**	**B**	1.7	1.2	mg/Kg	☼	05/01/23 11:30	05/03/23 14:14	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**120**		6.9	4.5	mg/Kg	☼	04/27/23 10:20	04/28/23 16:02	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**9.3**		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	**90.7**		0.1	0.1	%			04/11/23 17:27	1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50

Lab Sample ID: 180-154808-20

Date Collected: 04/07/23 10:25
Matrix: Solid
Date Received: 04/08/23 08:35
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		22	4.3	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Benzene	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Bromoform	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Bromomethane	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
2-Butanone (MEK)	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Carbon disulfide	ND		5.5	4.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Carbon tetrachloride	ND		5.5	2.3	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chlorobenzene	ND		5.5	1.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chlorobromomethane	ND		5.5	3.3	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chlorodibromomethane	ND		5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chloroethane	ND		5.5	3.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chloroform	ND		5.5	1.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Chloromethane	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
cis-1,2-Dichloroethene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
cis-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Cyclohexane	ND		5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dibromo-3-Chloropropane	ND		5.5	3.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dibromoethane	ND		5.5	1.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dichlorobenzene	ND		5.5	1.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,3-Dichlorobenzene	ND		5.5	3.4	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,4-Dichlorobenzene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Dichlorobromomethane	ND		5.5	2.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Dichlorodifluoromethane	ND	*+	5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1-Dichloroethane	ND		5.5	1.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dichloroethane	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1-Dichloroethene	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dichloroethene, Total	ND		11	4.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2-Dichloropropane	ND		5.5	1.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50
Date Collected: 04/07/23 10:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-20
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1100	39	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Ethylbenzene	ND		5.5	2.1	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
2-Hexanone	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Isopropylbenzene	ND		5.5	2.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Methyl acetate	ND	*+	28	8.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Methylcyclohexane	ND		5.5	2.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Methylene Chloride	ND		5.5	5.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.5	2.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Methyl tert-butyl ether	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
m-Xylene & p-Xylene	ND		5.5	2.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
o-Xylene	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Styrene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1,2,2-Tetrachloroethane	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Tetrachloroethene	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Toluene	ND		5.5	1.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
trans-1,2-Dichloroethene	ND		5.5	1.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
trans-1,3-Dichloropropene	ND		5.5	2.5	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2,3-Trichlorobenzene	ND		5.5	3.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,2,4-Trichlorobenzene	ND		5.5	2.8	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1,1-Trichloroethane	ND		5.5	1.9	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1,2-Trichloroethane	ND		5.5	1.1	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Trichloroethene	ND		5.5	1.7	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Trichlorofluoromethane	ND		5.5	4.6	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	2.2	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Vinyl chloride	ND		5.5	4.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1
Xylenes, Total	ND		11	8.0	ug/Kg	☼	04/20/23 07:05	04/20/23 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*	*04/20/23 07:05*	*04/20/23 13:39*	*1*
Dibromofluoromethane (Surr)	*114*		*69 - 126*	*04/20/23 07:05*	*04/20/23 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*134*		*73 - 135*	*04/20/23 07:05*	*04/20/23 13:39*	*1*
Toluene-d8 (Surr)	*93*		*67 - 134*	*04/20/23 07:05*	*04/20/23 13:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**26**	**J**	76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Acenaphthylene	**61**	**J**	76	17	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Acetophenone	ND		760	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Anthracene	**140**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Atrazine	ND		760	170	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzaldehyde	ND		760	47	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzo[a]anthracene	**550**		76	34	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzo[a]pyrene	**560**		76	33	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzo[b]fluoranthene	**740**		76	19	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzo[g,h,i]perylene	**510**		76	16	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Benzo[k]fluoranthene	**340**		76	23	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
1,1'-Biphenyl	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Bis(2-chloroethoxy)methane	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Bis(2-chloroethyl)ether	ND		76	14	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Bis(2-ethylhexyl) phthalate	ND		3800	400	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50
Date Collected: 04/07/23 10:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-20
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Butyl benzyl phthalate	ND		380	260	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Caprolactam	ND		1900	250	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Carbazole	**34**	**J**	76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4-Chloroaniline	ND		380	100	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4-Chloro-3-methylphenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Chloronaphthalene	ND		76	17	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Chlorophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4-Chlorophenyl phenyl ether	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Chrysene	**610**		76	42	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Dibenz(a,h)anthracene	**110**		76	49	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Dibenzofuran	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
3,3'-Dichlorobenzidine	ND		380	350	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4-Dichlorophenol	ND		76	29	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Diethyl phthalate	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4-Dimethylphenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Dimethyl phthalate	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Di-n-butyl phthalate	ND		380	170	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4,6-Dinitro-2-methylphenol	ND	*+	1900	650	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4-Dinitrophenol	ND		3800	2400	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4-Dinitrotoluene	ND		380	230	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,6-Dinitrotoluene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Di-n-octyl phthalate	ND		380	220	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
1,4-Dioxane	ND		760	120	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Fluoranthene	**860**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Fluorene	**26**	**J**	76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Hexachlorobenzene	ND		76	27	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Hexachlorobutadiene	ND		76	22	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Hexachlorocyclopentadiene	ND		380	39	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Hexachloroethane	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Indeno[1,2,3-cd]pyrene	**440**		76	38	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Isophorone	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Methylnaphthalene	**100**		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Methylphenol	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Methylphenol, 3 & 4	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Naphthalene	**130**		76	15	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Nitroaniline	ND		1900	170	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
3-Nitroaniline	ND		1900	97	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4-Nitroaniline	ND		1900	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Nitrobenzene	ND		760	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2-Nitrophenol	ND		380	140	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
4-Nitrophenol	ND		1900	270	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
N-Nitrosodi-n-propylamine	ND		76	26	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
N-Nitrosodiphenylamine	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,2'-oxybis[1-chloropropane]	ND		76	28	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Pentachlorophenol	ND		1900	610	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Phenanthrene	**450**		76	20	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Phenol	ND		380	110	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
Pyrene	**990**		76	18	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50

Date Collected: 04/07/23 10:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-20

Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	ND		380	150	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,3,4,6-Tetrachlorophenol	ND		380	160	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4,5-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1
2,4,6-Trichlorophenol	ND		380	130	ug/Kg	☼	04/14/23 16:35	04/15/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*44 - 105*	*04/14/23 16:35*	*04/15/23 19:17*	*1*
2-Fluorophenol (Surr)	*61*		*48 - 105*	*04/14/23 16:35*	*04/15/23 19:17*	*1*
Nitrobenzene-d5 (Surr)	*71*		*46 - 105*	*04/14/23 16:35*	*04/15/23 19:17*	*1*
Phenol-d5 (Surr)	*64*		*46 - 105*	*04/14/23 16:35*	*04/15/23 19:17*	*1*
Terphenyl-d14 (Surr)	*92*		*39 - 105*	*04/14/23 16:35*	*04/15/23 19:17*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*34 - 108*	*04/14/23 16:35*	*04/15/23 19:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		19	6.1	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1221	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1232	ND		19	4.6	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1242	ND		19	2.7	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1248	**52**		19	4.5	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1254	**37**		19	5.6	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1260	ND		19	5.3	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1262	ND		19	6.6	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1
PCB-1268	ND		19	2.5	ug/Kg	☼	04/13/23 10:28	04/18/23 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*102*		*63 - 138*	*04/13/23 10:28*	*04/18/23 23:08*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*63 - 138*	*04/13/23 10:28*	*04/18/23 23:08*	*1*
Tetrachloro-m-xylene (Surr)	*114*		*55 - 135*	*04/13/23 10:28*	*04/18/23 23:08*	*1*
Tetrachloro-m-xylene (Surr)	*117*		*55 - 135*	*04/13/23 10:28*	*04/18/23 23:08*	*1*

Method: SW846 EPA 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		16	4.1	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Antimony	ND		0.82	0.25	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Arsenic	**12**		0.82	0.52	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Barium	**120**		16	2.9	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Beryllium	**0.59**		0.33	0.090	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Cadmium	**0.96**		0.41	0.061	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Calcium	**6100**		410	53	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Chromium	**19**		0.41	0.38	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Cobalt	**11**		4.1	0.58	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Copper	**55**		2.1	1.2	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Iron	**23000**		8.2	8.0	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Lead	**110**		0.82	0.72	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Magnesium	**3000**		410	45	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Manganese	**790**		1.2	0.23	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Nickel	**28**		3.3	0.42	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Potassium	**840**		410	70	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Selenium	**0.54**	**J**	0.82	0.38	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1

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

Job ID: 180-154808-1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.50
Date Collected: 04/07/23 10:25
Date Received: 04/08/23 08:35

Lab Sample ID: 180-154808-20
Matrix: Solid
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.41	0.086	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Sodium	**66**	**J**	410	42	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Thallium	ND		1.6	0.23	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Vanadium	**18**		4.1	0.65	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1
Zinc	**320**	**B**	1.6	1.2	mg/Kg	☼	05/01/23 11:30	05/03/23 14:29	1

Method: SW846 EPA 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.26**		0.033	0.021	mg/Kg	☼	04/27/23 10:20	04/28/23 15:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM22 2540G)	**12.1**		0.1	0.1	%			04/11/23 17:27	1
Percent Solids (SM22 2540G)	**87.9**		0.1	0.1	%			04/11/23 17:27	1

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

Lab Sample ID: MB 180-432752/8
Matrix: Solid
Analysis Batch: 432752

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/19/23 12:22	1
Benzene	ND		5.0	1.4	ug/Kg			04/19/23 12:22	1
Bromoform	ND		5.0	2.5	ug/Kg			04/19/23 12:22	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/19/23 12:22	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/19/23 12:22	1
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/19/23 12:22	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/19/23 12:22	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/19/23 12:22	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/19/23 12:22	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/19/23 12:22	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/19/23 12:22	1
Chloroform	ND		5.0	1.6	ug/Kg			04/19/23 12:22	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/19/23 12:22	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/19/23 12:22	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/19/23 12:22	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/19/23 12:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/19/23 12:22	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/19/23 12:22	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/19/23 12:22	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/19/23 12:22	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/19/23 12:22	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/19/23 12:22	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/19/23 12:22	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/19/23 12:22	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/19/23 12:22	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/19/23 12:22	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/19/23 12:22	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/19/23 12:22	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/19/23 12:22	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/19/23 12:22	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/19/23 12:22	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/19/23 12:22	1
Methyl acetate	ND		25	7.4	ug/Kg			04/19/23 12:22	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/19/23 12:22	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/19/23 12:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/19/23 12:22	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/19/23 12:22	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/19/23 12:22	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/19/23 12:22	1
Styrene	ND		5.0	1.5	ug/Kg			04/19/23 12:22	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/19/23 12:22	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/19/23 12:22	1
Toluene	ND		5.0	1.4	ug/Kg			04/19/23 12:22	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/19/23 12:22	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/19/23 12:22	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/19/23 12:22	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/19/23 12:22	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/19/23 12:22	1

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

Lab Sample ID: MB 180-432752/8
Matrix: Solid
Analysis Batch: 432752

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/19/23 12:22	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/19/23 12:22	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/19/23 12:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/19/23 12:22	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/19/23 12:22	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/19/23 12:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 124*		*04/19/23 12:22*	*1*
Dibromofluoromethane (Surr)	*120*		*69 - 126*		*04/19/23 12:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*133*		*73 - 135*		*04/19/23 12:22*	*1*
Toluene-d8 (Surr)	*101*		*67 - 134*		*04/19/23 12:22*	*1*

Lab Sample ID: LCS 180-432752/4
Matrix: Solid
Analysis Batch: 432752

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	43.0		ug/Kg		107	23 - 170
Benzene	40.0	34.7		ug/Kg		87	77 - 120
Bromoform	40.0	37.6		ug/Kg		94	37 - 147
Bromomethane	40.0	38.2		ug/Kg		96	47 - 149
2-Butanone (MEK)	40.0	29.5		ug/Kg		74	39 - 157
Carbon disulfide	40.0	45.8		ug/Kg		115	40 - 156
Carbon tetrachloride	40.0	42.4		ug/Kg		106	73 - 130
Chlorobenzene	40.0	33.3		ug/Kg		83	79 - 122
Chlorobromomethane	40.0	37.3		ug/Kg		93	64 - 128
Chlorodibromomethane	40.0	35.5		ug/Kg		89	60 - 134
Chloroethane	40.0	38.6		ug/Kg		96	37 - 159
Chloroform	40.0	37.0		ug/Kg		92	73 - 126
Chloromethane	40.0	29.2		ug/Kg		73	46 - 151
cis-1,2-Dichloroethene	40.0	35.7		ug/Kg		89	77 - 118
cis-1,3-Dichloropropene	40.0	36.1		ug/Kg		90	73 - 127
Cyclohexane	40.0	36.5		ug/Kg		91	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	32.1		ug/Kg		80	30 - 163
1,2-Dibromoethane	40.0	32.6		ug/Kg		82	59 - 137
1,2-Dichlorobenzene	40.0	32.2		ug/Kg		80	76 - 120
1,3-Dichlorobenzene	40.0	33.0		ug/Kg		83	77 - 121
1,4-Dichlorobenzene	40.0	33.7		ug/Kg		84	79 - 120
Dichlorobromomethane	40.0	35.4		ug/Kg		89	75 - 123
Dichlorodifluoromethane	40.0	59.2		ug/Kg		148	26 - 149
1,1-Dichloroethane	40.0	35.7		ug/Kg		89	73 - 124
1,2-Dichloroethane	40.0	41.6		ug/Kg		104	64 - 140
1,1-Dichloroethene	40.0	43.4		ug/Kg		108	55 - 136
1,2-Dichloroethene, Total	80.0	74.8		ug/Kg		93	77 - 119
1,2-Dichloropropane	40.0	31.0		ug/Kg		77	77 - 119
1,4-Dioxane	800	532	J	ug/Kg		66	18 - 166
Ethylbenzene	40.0	33.1		ug/Kg		83	79 - 119

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

Lab Sample ID: LCS 180-432752/4
Matrix: Solid
Analysis Batch: 432752

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	40.0	31.1		ug/Kg		78	42 - 152
Isopropylbenzene	40.0	33.8		ug/Kg		84	70 - 125
Methyl acetate	80.0	133		ug/Kg		167	20 - 170
Methylcyclohexane	40.0	35.4		ug/Kg		88	70 - 125
Methylene Chloride	40.0	37.6		ug/Kg		94	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	32.5		ug/Kg		81	51 - 147
Methyl tert-butyl ether	40.0	37.2		ug/Kg		93	58 - 132
m-Xylene & p-Xylene	40.0	34.9		ug/Kg		87	77 - 120
o-Xylene	40.0	32.8		ug/Kg		82	78 - 118
Styrene	40.0	33.5		ug/Kg		84	80 - 120
1,1,2,2-Tetrachloroethane	40.0	33.2		ug/Kg		83	36 - 170
Tetrachloroethene	40.0	38.1		ug/Kg		95	71 - 121
Toluene	40.0	32.8		ug/Kg		82	76 - 120
trans-1,2-Dichloroethene	40.0	39.1		ug/Kg		98	75 - 122
trans-1,3-Dichloropropene	40.0	33.8		ug/Kg		85	68 - 133
1,2,3-Trichlorobenzene	40.0	34.9		ug/Kg		87	29 - 166
1,2,4-Trichlorobenzene	40.0	34.2		ug/Kg		86	22 - 170
1,1,1-Trichloroethane	40.0	40.9		ug/Kg		102	72 - 134
1,1,2-Trichloroethane	40.0	31.8		ug/Kg		80	66 - 128
Trichloroethene	40.0	37.1		ug/Kg		93	69 - 118
Trichlorofluoromethane	40.0	37.9		ug/Kg		95	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	45.3		ug/Kg		113	59 - 135
Vinyl chloride	40.0	31.5		ug/Kg		79	64 - 134
Xylenes, Total	80.0	67.7		ug/Kg		85	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 124*
Dibromofluoromethane (Surr)	*107*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: LCSD 180-432752/6
Matrix: Solid
Analysis Batch: 432752

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	45.2		ug/Kg		113	23 - 170	5	35
Benzene	40.0	37.4		ug/Kg		93	77 - 120	7	20
Bromoform	40.0	38.0		ug/Kg		95	37 - 147	1	23
Bromomethane	40.0	42.9		ug/Kg		107	47 - 149	11	25
2-Butanone (MEK)	40.0	30.4		ug/Kg		76	39 - 157	3	33
Carbon disulfide	40.0	49.4		ug/Kg		123	40 - 156	7	25
Carbon tetrachloride	40.0	45.8		ug/Kg		115	73 - 130	8	21
Chlorobenzene	40.0	35.7		ug/Kg		89	79 - 122	7	20
Chlorobromomethane	40.0	39.4		ug/Kg		98	64 - 128	5	20
Chlorodibromomethane	40.0	36.0		ug/Kg		90	60 - 134	1	40
Chloroethane	40.0	44.0		ug/Kg		110	37 - 159	13	25
Chloroform	40.0	39.2		ug/Kg		98	73 - 126	6	20

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

Lab Sample ID: LCSD 180-432752/6
Matrix: Solid
Analysis Batch: 432752

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloromethane			40.0	36.2		ug/Kg		91	46 - 151	21	33
cis-1,2-Dichloroethene			40.0	38.6		ug/Kg		96	77 - 118	8	20
cis-1,3-Dichloropropene			40.0	37.1		ug/Kg		93	73 - 127	3	20
Cyclohexane			40.0	39.6		ug/Kg		99	63 - 143	8	25
1,2-Dibromo-3-Chloropropane			40.0	31.8		ug/Kg		79	30 - 163	1	34
1,2-Dibromoethane			40.0	34.3		ug/Kg		86	59 - 137	5	20
1,2-Dichlorobenzene			40.0	33.8		ug/Kg		85	76 - 120	5	20
1,3-Dichlorobenzene			40.0	34.8		ug/Kg		87	77 - 121	5	20
1,4-Dichlorobenzene			40.0	35.2		ug/Kg		88	79 - 120	4	20
Dichlorobromomethane			40.0	37.3		ug/Kg		93	75 - 123	5	20
Dichlorodifluoromethane			40.0	62.2	*+	ug/Kg		156	26 - 149	5	24
1,1-Dichloroethane			40.0	38.8		ug/Kg		97	73 - 124	8	20
1,2-Dichloroethane			40.0	44.3		ug/Kg		111	64 - 140	6	20
1,1-Dichloroethene			40.0	47.7		ug/Kg		119	55 - 136	9	21
1,2-Dichloroethene, Total			80.0	79.8		ug/Kg		100	77 - 119	6	20
1,2-Dichloropropane			40.0	32.9		ug/Kg		82	77 - 119	6	20
1,4-Dioxane			800	554	J	ug/Kg		69	18 - 166	4	40
Ethylbenzene			40.0	35.0		ug/Kg		88	79 - 119	6	20
2-Hexanone			40.0	31.9		ug/Kg		80	42 - 152	3	30
Isopropylbenzene			40.0	35.8		ug/Kg		90	70 - 125	6	21
Methyl acetate			80.0	127		ug/Kg		159	20 - 170	5	33
Methylcyclohexane			40.0	38.5		ug/Kg		96	70 - 125	8	22
Methylene Chloride			40.0	41.1		ug/Kg		103	67 - 131	9	32
4-Methyl-2-pentanone (MIBK)			40.0	31.9		ug/Kg		80	51 - 147	2	27
Methyl tert-butyl ether			40.0	36.1		ug/Kg		90	58 - 132	3	24
m-Xylene & p-Xylene			40.0	37.0		ug/Kg		92	77 - 120	6	20
o-Xylene			40.0	35.3		ug/Kg		88	78 - 118	7	20
Styrene			40.0	35.3		ug/Kg		88	80 - 120	5	20
1,1,2,2-Tetrachloroethane			40.0	32.8		ug/Kg		82	36 - 170	1	23
Tetrachloroethene			40.0	40.8		ug/Kg		102	71 - 121	7	21
Toluene			40.0	35.3		ug/Kg		88	76 - 120	7	20
trans-1,2-Dichloroethene			40.0	41.2		ug/Kg		103	75 - 122	5	20
trans-1,3-Dichloropropene			40.0	35.3		ug/Kg		88	68 - 133	4	20
1,2,3-Trichlorobenzene			40.0	35.4		ug/Kg		89	29 - 166	2	40
1,2,4-Trichlorobenzene			40.0	36.0		ug/Kg		90	22 - 170	5	29
1,1,1-Trichloroethane			40.0	43.0		ug/Kg		107	72 - 134	5	20
1,1,2-Trichloroethane			40.0	32.1		ug/Kg		80	66 - 128	1	21
Trichloroethene			40.0	40.3		ug/Kg		101	69 - 118	8	20
Trichlorofluoromethane			40.0	40.6		ug/Kg		102	32 - 149	7	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	48.7		ug/Kg		122	59 - 135	7	28
Vinyl chloride			40.0	33.8		ug/Kg		84	64 - 134	7	23
Xylenes, Total			80.0	72.3		ug/Kg		90	78 - 118	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 135*

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

Lab Sample ID: LCSD 180-432752/6
Matrix: Solid
Analysis Batch: 432752

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

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*67 - 134*

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 432752

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	ND		39.3	56.8		ug/Kg	☼	145	23 - 170
Benzene	ND		39.3	37.8		ug/Kg	☼	96	77 - 120
Bromoform	ND		39.3	42.1		ug/Kg	☼	107	37 - 147
Bromomethane	ND		39.3	40.5		ug/Kg	☼	103	47 - 149
2-Butanone (MEK)	ND		39.3	66.8	F1	ug/Kg	☼	170	39 - 157
Carbon disulfide	ND		39.3	50.5		ug/Kg	☼	128	40 - 156
Carbon tetrachloride	ND		39.3	46.3		ug/Kg	☼	118	73 - 130
Chlorobenzene	ND		39.3	36.2		ug/Kg	☼	92	79 - 122
Chlorobromomethane	ND		39.3	43.3		ug/Kg	☼	110	64 - 128
Chlorodibromomethane	ND		39.3	40.7		ug/Kg	☼	104	60 - 134
Chloroethane	ND		39.3	41.7		ug/Kg	☼	106	37 - 159
Chloroform	ND		39.3	39.3		ug/Kg	☼	100	73 - 126
Chloromethane	ND		39.3	33.7		ug/Kg	☼	86	46 - 151
cis-1,2-Dichloroethene	ND		39.3	39.3		ug/Kg	☼	100	77 - 118
cis-1,3-Dichloropropene	ND		39.3	39.2		ug/Kg	☼	100	73 - 127
Cyclohexane	ND		39.3	39.5		ug/Kg	☼	101	63 - 143
1,2-Dibromo-3-Chloropropane	ND		39.3	39.2		ug/Kg	☼	100	30 - 163
1,2-Dibromoethane	ND		39.3	38.1		ug/Kg	☼	97	59 - 137
1,2-Dichlorobenzene	ND		39.3	33.7		ug/Kg	☼	86	76 - 120
1,3-Dichlorobenzene	ND		39.3	33.7		ug/Kg	☼	86	77 - 121
1,4-Dichlorobenzene	ND		39.3	34.4		ug/Kg	☼	88	79 - 120
Dichlorobromomethane	ND		39.3	40.8		ug/Kg	☼	104	75 - 123
Dichlorodifluoromethane	ND	*+	39.3	63.6	F1	ug/Kg	☼	162	26 - 149
1,1-Dichloroethane	ND		39.3	38.8		ug/Kg	☼	99	73 - 124
1,2-Dichloroethane	ND		39.3	48.5		ug/Kg	☼	123	64 - 140
1,1-Dichloroethene	ND		39.3	47.8		ug/Kg	☼	122	55 - 136
1,2-Dichloroethene, Total	ND		78.5	82.1		ug/Kg	☼	105	77 - 119
1,2-Dichloropropane	ND		39.3	34.0		ug/Kg	☼	87	77 - 119
1,4-Dioxane	ND		785	619	J	ug/Kg	☼	79	18 - 166
Ethylbenzene	ND		39.3	35.6		ug/Kg	☼	91	79 - 119
2-Hexanone	ND		39.3	40.4		ug/Kg	☼	103	42 - 152
Isopropylbenzene	ND		39.3	36.4		ug/Kg	☼	93	70 - 125
Methyl acetate	ND		78.5	124		ug/Kg	☼	158	20 - 170
Methylcyclohexane	ND		39.3	39.7		ug/Kg	☼	101	70 - 125
Methylene Chloride	ND		39.3	43.6		ug/Kg	☼	111	67 - 131
4-Methyl-2-pentanone (MIBK)	ND		39.3	37.5		ug/Kg	☼	95	51 - 147
Methyl tert-butyl ether	ND		39.3	43.6		ug/Kg	☼	111	58 - 132
m-Xylene & p-Xylene	ND		39.3	37.9		ug/Kg	☼	97	77 - 120
o-Xylene	ND		39.3	35.8		ug/Kg	☼	91	78 - 118
Styrene	ND		39.3	36.2		ug/Kg	☼	92	80 - 120
1,1,2,2-Tetrachloroethane	ND		39.3	39.8		ug/Kg	☼	101	36 - 170

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

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 432752

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	ND		39.3	39.4		ug/Kg	☼	100	71 - 121
Toluene	ND		39.3	35.6		ug/Kg	☼	91	76 - 120
trans-1,2-Dichloroethene	ND		39.3	42.8		ug/Kg	☼	109	75 - 122
trans-1,3-Dichloropropene	ND		39.3	38.4		ug/Kg	☼	98	68 - 133
1,2,3-Trichlorobenzene	ND		39.3	38.0		ug/Kg	☼	97	29 - 166
1,2,4-Trichlorobenzene	ND		39.3	37.1		ug/Kg	☼	94	22 - 170
1,1,1-Trichloroethane	ND		39.3	44.4		ug/Kg	☼	113	72 - 134
1,1,2-Trichloroethane	ND		39.3	36.7		ug/Kg	☼	93	66 - 128
Trichloroethene	ND		39.3	40.3		ug/Kg	☼	103	69 - 118
Trichlorofluoromethane	ND		39.3	41.4		ug/Kg	☼	105	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		39.3	52.9		ug/Kg	☼	135	59 - 135
Vinyl chloride	ND		39.3	33.2		ug/Kg	☼	84	64 - 134
Xylenes, Total	ND		78.5	73.7		ug/Kg	☼	94	78 - 118

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 124*
Dibromofluoromethane (Surr)	*109*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*101*		*67 - 134*

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 432752

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	ND		42.9	50.4		ug/Kg	☼	117	23 - 170	12	35
Benzene	ND		42.9	38.0		ug/Kg	☼	89	77 - 120	1	20
Bromoform	ND		42.9	41.1		ug/Kg	☼	96	37 - 147	3	23
Bromomethane	ND		42.9	43.3		ug/Kg	☼	101	47 - 149	7	25
2-Butanone (MEK)	ND		42.9	40.3	F2	ug/Kg	☼	94	39 - 157	49	33
Carbon disulfide	ND		42.9	49.5		ug/Kg	☼	116	40 - 156	2	25
Carbon tetrachloride	ND		42.9	45.5		ug/Kg	☼	106	73 - 130	2	21
Chlorobenzene	ND		42.9	36.4		ug/Kg	☼	85	79 - 122	1	20
Chlorobromomethane	ND		42.9	41.0		ug/Kg	☼	96	64 - 128	5	20
Chlorodibromomethane	ND		42.9	40.5		ug/Kg	☼	94	60 - 134	0	40
Chloroethane	ND		42.9	40.4		ug/Kg	☼	94	37 - 159	3	25
Chloroform	ND		42.9	40.4		ug/Kg	☼	94	73 - 126	3	20
Chloromethane	ND		42.9	35.5		ug/Kg	☼	83	46 - 151	5	33
cis-1,2-Dichloroethene	ND		42.9	39.2		ug/Kg	☼	91	77 - 118	0	20
cis-1,3-Dichloropropene	ND		42.9	40.3		ug/Kg	☼	94	73 - 127	3	20
Cyclohexane	ND		42.9	39.8		ug/Kg	☼	93	63 - 143	1	25
1,2-Dibromo-3-Chloropropane	ND		42.9	35.6		ug/Kg	☼	83	30 - 163	10	34
1,2-Dibromoethane	ND		42.9	37.6		ug/Kg	☼	88	59 - 137	1	20
1,2-Dichlorobenzene	ND		42.9	34.5		ug/Kg	☼	81	76 - 120	2	20
1,3-Dichlorobenzene	ND		42.9	36.0		ug/Kg	☼	84	77 - 121	7	20
1,4-Dichlorobenzene	ND		42.9	36.1		ug/Kg	☼	84	79 - 120	5	20
Dichlorobromomethane	ND		42.9	40.5		ug/Kg	☼	94	75 - 123	1	20
Dichlorodifluoromethane	ND	*+	42.9	60.6		ug/Kg	☼	141	26 - 149	5	24

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

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 432752

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		42.9	38.2		ug/Kg	☼	89	73 - 124	1	20
1,2-Dichloroethane	ND		42.9	48.4		ug/Kg	☼	113	64 - 140	0	20
1,1-Dichloroethene	ND		42.9	46.6		ug/Kg	☼	109	55 - 136	3	21
1,2-Dichloroethene, Total	ND		85.8	82.5		ug/Kg	☼	96	77 - 119	0	20
1,2-Dichloropropane	ND		42.9	34.9		ug/Kg	☼	81	77 - 119	3	20
1,4-Dioxane	ND		858	759	J	ug/Kg	☼	88	18 - 166	20	40
Ethylbenzene	ND		42.9	34.8		ug/Kg	☼	81	79 - 119	2	20
2-Hexanone	ND		42.9	37.2		ug/Kg	☼	87	42 - 152	8	30
Isopropylbenzene	ND		42.9	36.2		ug/Kg	☼	84	70 - 125	0	21
Methyl acetate	ND		85.8	133		ug/Kg	☼	156	20 - 170	7	33
Methylcyclohexane	ND		42.9	39.1		ug/Kg	☼	91	70 - 125	1	22
Methylene Chloride	ND		42.9	44.0		ug/Kg	☼	103	67 - 131	1	32
4-Methyl-2-pentanone (MIBK)	ND		42.9	37.6		ug/Kg	☼	88	51 - 147	0	27
Methyl tert-butyl ether	ND		42.9	42.9		ug/Kg	☼	100	58 - 132	2	24
m-Xylene & p-Xylene	ND		42.9	37.5		ug/Kg	☼	88	77 - 120	1	20
o-Xylene	ND		42.9	35.4		ug/Kg	☼	82	78 - 118	1	20
Styrene	ND		42.9	36.4		ug/Kg	☼	85	80 - 120	1	20
1,1,2,2-Tetrachloroethane	ND		42.9	38.8		ug/Kg	☼	91	36 - 170	2	23
Tetrachloroethene	ND		42.9	39.5		ug/Kg	☼	92	71 - 121	0	21
Toluene	ND		42.9	35.9		ug/Kg	☼	84	76 - 120	1	20
trans-1,2-Dichloroethene	ND		42.9	43.2		ug/Kg	☼	101	75 - 122	1	20
trans-1,3-Dichloropropene	ND		42.9	38.1		ug/Kg	☼	89	68 - 133	1	20
1,2,3-Trichlorobenzene	ND		42.9	38.9		ug/Kg	☼	91	29 - 166	2	40
1,2,4-Trichlorobenzene	ND		42.9	38.0		ug/Kg	☼	89	22 - 170	3	29
1,1,1-Trichloroethane	ND		42.9	43.6		ug/Kg	☼	102	72 - 134	2	20
1,1,2-Trichloroethane	ND		42.9	36.3		ug/Kg	☼	85	66 - 128	1	21
Trichloroethene	ND		42.9	40.6		ug/Kg	☼	95	69 - 118	1	20
Trichlorofluoromethane	ND		42.9	40.3		ug/Kg	☼	94	32 - 149	3	39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		42.9	48.6		ug/Kg	☼	113	59 - 135	9	28
Vinyl chloride	ND		42.9	34.2		ug/Kg	☼	80	64 - 134	3	23
Xylenes, Total	ND		85.8	72.9		ug/Kg	☼	85	78 - 118	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*111*		*73 - 135*
Toluene-d8 (Surr)	*97*		*67 - 134*

Lab Sample ID: MB 180-432856/7
Matrix: Solid
Analysis Batch: 432856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	3.9	ug/Kg			04/20/23 11:23	1
Benzene	ND		5.0	1.4	ug/Kg			04/20/23 11:23	1
Bromoform	ND		5.0	2.5	ug/Kg			04/20/23 11:23	1
Bromomethane	ND		5.0	2.3	ug/Kg			04/20/23 11:23	1
2-Butanone (MEK)	ND		5.0	2.5	ug/Kg			04/20/23 11:23	1

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

Lab Sample ID: MB 180-432856/7
Matrix: Solid
Analysis Batch: 432856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	4.0	ug/Kg			04/20/23 11:23	1
Carbon tetrachloride	ND		5.0	2.0	ug/Kg			04/20/23 11:23	1
Chlorobenzene	ND		5.0	1.3	ug/Kg			04/20/23 11:23	1
Chlorobromomethane	ND		5.0	3.0	ug/Kg			04/20/23 11:23	1
Chlorodibromomethane	ND		5.0	2.5	ug/Kg			04/20/23 11:23	1
Chloroethane	ND		5.0	2.9	ug/Kg			04/20/23 11:23	1
Chloroform	ND		5.0	1.6	ug/Kg			04/20/23 11:23	1
Chloromethane	ND		5.0	2.0	ug/Kg			04/20/23 11:23	1
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/Kg			04/20/23 11:23	1
cis-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			04/20/23 11:23	1
Cyclohexane	ND		5.0	2.4	ug/Kg			04/20/23 11:23	1
1,2-Dibromo-3-Chloropropane	ND		5.0	3.2	ug/Kg			04/20/23 11:23	1
1,2-Dibromoethane	ND		5.0	1.4	ug/Kg			04/20/23 11:23	1
1,2-Dichlorobenzene	ND		5.0	1.7	ug/Kg			04/20/23 11:23	1
1,3-Dichlorobenzene	ND		5.0	3.1	ug/Kg			04/20/23 11:23	1
1,4-Dichlorobenzene	ND		5.0	1.5	ug/Kg			04/20/23 11:23	1
Dichlorobromomethane	ND		5.0	2.3	ug/Kg			04/20/23 11:23	1
Dichlorodifluoromethane	ND		5.0	2.5	ug/Kg			04/20/23 11:23	1
1,1-Dichloroethane	ND		5.0	1.6	ug/Kg			04/20/23 11:23	1
1,2-Dichloroethane	ND		5.0	1.4	ug/Kg			04/20/23 11:23	1
1,1-Dichloroethene	ND		5.0	2.3	ug/Kg			04/20/23 11:23	1
1,2-Dichloroethene, Total	ND		10	4.1	ug/Kg			04/20/23 11:23	1
1,2-Dichloropropane	ND		5.0	1.3	ug/Kg			04/20/23 11:23	1
1,4-Dioxane	ND		1000	35	ug/Kg			04/20/23 11:23	1
Ethylbenzene	ND		5.0	1.9	ug/Kg			04/20/23 11:23	1
2-Hexanone	ND		5.0	1.6	ug/Kg			04/20/23 11:23	1
Isopropylbenzene	ND		5.0	2.6	ug/Kg			04/20/23 11:23	1
Methyl acetate	ND		25	7.4	ug/Kg			04/20/23 11:23	1
Methylcyclohexane	ND		5.0	2.4	ug/Kg			04/20/23 11:23	1
Methylene Chloride	ND		5.0	4.5	ug/Kg			04/20/23 11:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.8	ug/Kg			04/20/23 11:23	1
Methyl tert-butyl ether	ND		5.0	1.5	ug/Kg			04/20/23 11:23	1
m-Xylene & p-Xylene	ND		5.0	1.8	ug/Kg			04/20/23 11:23	1
o-Xylene	ND		5.0	2.0	ug/Kg			04/20/23 11:23	1
Styrene	ND		5.0	1.5	ug/Kg			04/20/23 11:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	1.5	ug/Kg			04/20/23 11:23	1
Tetrachloroethene	ND		5.0	2.0	ug/Kg			04/20/23 11:23	1
Toluene	ND		5.0	1.4	ug/Kg			04/20/23 11:23	1
trans-1,2-Dichloroethene	ND		5.0	1.8	ug/Kg			04/20/23 11:23	1
trans-1,3-Dichloropropene	ND		5.0	2.3	ug/Kg			04/20/23 11:23	1
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/Kg			04/20/23 11:23	1
1,2,4-Trichlorobenzene	ND		5.0	2.5	ug/Kg			04/20/23 11:23	1
1,1,1-Trichloroethane	ND		5.0	1.7	ug/Kg			04/20/23 11:23	1
1,1,2-Trichloroethane	ND		5.0	0.99	ug/Kg			04/20/23 11:23	1
Trichloroethene	ND		5.0	1.6	ug/Kg			04/20/23 11:23	1
Trichlorofluoromethane	ND		5.0	4.2	ug/Kg			04/20/23 11:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.0	ug/Kg			04/20/23 11:23	1
Vinyl chloride	ND		5.0	3.6	ug/Kg			04/20/23 11:23	1
Xylenes, Total	ND		10	7.2	ug/Kg			04/20/23 11:23	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		60 - 124		04/20/23 11:23	1
Dibromofluoromethane (Surr)	112		69 - 126		04/20/23 11:23	1
1,2-Dichloroethane-d4 (Surr)	129		73 - 135		04/20/23 11:23	1
Toluene-d8 (Surr)	93		67 - 134		04/20/23 11:23	1

Lab Sample ID: LCS 180-432856/3
Matrix: Solid
Analysis Batch: 432856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	53.7		ug/Kg		134	23 - 170
Benzene	40.0	35.1		ug/Kg		88	77 - 120
Bromoform	40.0	40.5		ug/Kg		101	37 - 147
Bromomethane	40.0	38.0		ug/Kg		95	47 - 149
2-Butanone (MEK)	40.0	43.6		ug/Kg		109	39 - 157
Carbon disulfide	40.0	46.3		ug/Kg		116	40 - 156
Carbon tetrachloride	40.0	42.7		ug/Kg		107	73 - 130
Chlorobenzene	40.0	33.0		ug/Kg		82	79 - 122
Chlorobromomethane	40.0	40.2		ug/Kg		100	64 - 128
Chlorodibromomethane	40.0	38.7		ug/Kg		97	60 - 134
Chloroethane	40.0	35.0		ug/Kg		87	37 - 159
Chloroform	40.0	37.3		ug/Kg		93	73 - 126
Chloromethane	40.0	30.4		ug/Kg		76	46 - 151
cis-1,2-Dichloroethene	40.0	36.8		ug/Kg		92	77 - 118
cis-1,3-Dichloropropene	40.0	38.0		ug/Kg		95	73 - 127
Cyclohexane	40.0	36.7		ug/Kg		92	63 - 143
1,2-Dibromo-3-Chloropropane	40.0	37.6		ug/Kg		94	30 - 163
1,2-Dibromoethane	40.0	37.1		ug/Kg		93	59 - 137
1,2-Dichlorobenzene	40.0	32.9		ug/Kg		82	76 - 120
1,3-Dichlorobenzene	40.0	32.9		ug/Kg		82	77 - 121
1,4-Dichlorobenzene	40.0	33.5		ug/Kg		84	79 - 120
Dichlorobromomethane	40.0	37.3		ug/Kg		93	75 - 123
Dichlorodifluoromethane	40.0	56.7		ug/Kg		142	26 - 149
1,1-Dichloroethane	40.0	36.5		ug/Kg		91	73 - 124
1,2-Dichloroethane	40.0	47.8		ug/Kg		119	64 - 140
1,1-Dichloroethene	40.0	43.9		ug/Kg		110	55 - 136
1,2-Dichloroethene, Total	80.0	75.3		ug/Kg		94	77 - 119
1,2-Dichloropropane	40.0	33.0		ug/Kg		82	77 - 119
1,4-Dioxane	800	606	J	ug/Kg		76	18 - 166
Ethylbenzene	40.0	32.4		ug/Kg		81	79 - 119
2-Hexanone	40.0	41.5		ug/Kg		104	42 - 152
Isopropylbenzene	40.0	32.9		ug/Kg		82	70 - 125
Methyl acetate	80.0	126		ug/Kg		157	20 - 170
Methylcyclohexane	40.0	35.7		ug/Kg		89	70 - 125
Methylene Chloride	40.0	39.2		ug/Kg		98	67 - 131
4-Methyl-2-pentanone (MIBK)	40.0	37.6		ug/Kg		94	51 - 147
Methyl tert-butyl ether	40.0	40.3		ug/Kg		101	58 - 132
m-Xylene & p-Xylene	40.0	34.1		ug/Kg		85	77 - 120
o-Xylene	40.0	32.2		ug/Kg		81	78 - 118
Styrene	40.0	33.4		ug/Kg		83	80 - 120
1,1,2,2-Tetrachloroethane	40.0	37.6		ug/Kg		94	36 - 170

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

Lab Sample ID: LCS 180-432856/3
Matrix: Solid
Analysis Batch: 432856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	40.0	36.1		ug/Kg		90	71 - 121
Toluene	40.0	32.2		ug/Kg		81	76 - 120
trans-1,2-Dichloroethene	40.0	38.4		ug/Kg		96	75 - 122
trans-1,3-Dichloropropene	40.0	36.0		ug/Kg		90	68 - 133
1,2,3-Trichlorobenzene	40.0	35.9		ug/Kg		90	29 - 166
1,2,4-Trichlorobenzene	40.0	35.3		ug/Kg		88	22 - 170
1,1,1-Trichloroethane	40.0	40.3		ug/Kg		101	72 - 134
1,1,2-Trichloroethane	40.0	34.4		ug/Kg		86	66 - 128
Trichloroethene	40.0	37.0		ug/Kg		93	69 - 118
Trichlorofluoromethane	40.0	36.2		ug/Kg		91	32 - 149
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	43.0		ug/Kg		108	59 - 135
Vinyl chloride	40.0	29.7		ug/Kg		74	64 - 134
Xylenes, Total	80.0	66.3		ug/Kg		83	78 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*60 - 124*
Dibromofluoromethane (Surr)	*101*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*110*		*73 - 135*
Toluene-d8 (Surr)	*91*		*67 - 134*

Lab Sample ID: LCSD 180-432856/4
Matrix: Solid
Analysis Batch: 432856

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	40.0	56.5		ug/Kg		141	23 - 170	5	35
Benzene	40.0	37.2		ug/Kg		93	77 - 120	6	20
Bromoform	40.0	42.7		ug/Kg		107	37 - 147	5	23
Bromomethane	40.0	40.5		ug/Kg		101	47 - 149	6	25
2-Butanone (MEK)	40.0	40.7		ug/Kg		102	39 - 157	7	33
Carbon disulfide	40.0	49.8		ug/Kg		125	40 - 156	7	25
Carbon tetrachloride	40.0	45.7		ug/Kg		114	73 - 130	7	21
Chlorobenzene	40.0	35.7		ug/Kg		89	79 - 122	8	20
Chlorobromomethane	40.0	42.7		ug/Kg		107	64 - 128	6	20
Chlorodibromomethane	40.0	40.2		ug/Kg		100	60 - 134	4	40
Chloroethane	40.0	36.7		ug/Kg		92	37 - 159	5	25
Chloroform	40.0	40.0		ug/Kg		100	73 - 126	7	20
Chloromethane	40.0	35.3		ug/Kg		88	46 - 151	15	33
cis-1,2-Dichloroethene	40.0	38.8		ug/Kg		97	77 - 118	5	20
cis-1,3-Dichloropropene	40.0	39.9		ug/Kg		100	73 - 127	5	20
Cyclohexane	40.0	40.4		ug/Kg		101	63 - 143	10	25
1,2-Dibromo-3-Chloropropane	40.0	39.2		ug/Kg		98	30 - 163	4	34
1,2-Dibromoethane	40.0	39.5		ug/Kg		99	59 - 137	6	20
1,2-Dichlorobenzene	40.0	34.6		ug/Kg		87	76 - 120	5	20
1,3-Dichlorobenzene	40.0	35.6		ug/Kg		89	77 - 121	8	20
1,4-Dichlorobenzene	40.0	35.6		ug/Kg		89	79 - 120	6	20
Dichlorobromomethane	40.0	39.4		ug/Kg		99	75 - 123	6	20
Dichlorodifluoromethane	40.0	60.1	*+	ug/Kg		150	26 - 149	6	24

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

Lab Sample ID: LCSD 180-432856/4
Matrix: Solid
Analysis Batch: 432856

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane			40.0	39.3		ug/Kg		98	73 - 124	7	20
1,2-Dichloroethane			40.0	48.3		ug/Kg		121	64 - 140	1	20
1,1-Dichloroethene			40.0	46.4		ug/Kg		116	55 - 136	6	21
1,2-Dichloroethene, Total			80.0	80.7		ug/Kg		101	77 - 119	7	20
1,2-Dichloropropane			40.0	34.4		ug/Kg		86	77 - 119	4	20
1,4-Dioxane			800	736	J	ug/Kg		92	18 - 166	20	40
Ethylbenzene			40.0	34.5		ug/Kg		86	79 - 119	6	20
2-Hexanone			40.0	43.5		ug/Kg		109	42 - 152	5	30
Isopropylbenzene			40.0	35.9		ug/Kg		90	70 - 125	9	21
Methyl acetate			80.0	138	*+	ug/Kg		172	20 - 170	9	33
Methylcyclohexane			40.0	39.5		ug/Kg		99	70 - 125	10	22
Methylene Chloride			40.0	40.2		ug/Kg		100	67 - 131	3	32
4-Methyl-2-pentanone (MIBK)			40.0	40.6		ug/Kg		102	51 - 147	8	27
Methyl tert-butyl ether			40.0	43.9		ug/Kg		110	58 - 132	9	24
m-Xylene & p-Xylene			40.0	36.4		ug/Kg		91	77 - 120	7	20
o-Xylene			40.0	35.3		ug/Kg		88	78 - 118	9	20
Styrene			40.0	35.4		ug/Kg		88	80 - 120	6	20
1,1,2,2-Tetrachloroethane			40.0	40.4		ug/Kg		101	36 - 170	7	23
Tetrachloroethene			40.0	39.8		ug/Kg		100	71 - 121	10	21
Toluene			40.0	34.7		ug/Kg		87	76 - 120	7	20
trans-1,2-Dichloroethene			40.0	41.9		ug/Kg		105	75 - 122	9	20
trans-1,3-Dichloropropene			40.0	38.5		ug/Kg		96	68 - 133	7	20
1,2,3-Trichlorobenzene			40.0	38.7		ug/Kg		97	29 - 166	8	40
1,2,4-Trichlorobenzene			40.0	38.9		ug/Kg		97	22 - 170	10	29
1,1,1-Trichloroethane			40.0	43.9		ug/Kg		110	72 - 134	9	20
1,1,2-Trichloroethane			40.0	37.5		ug/Kg		94	66 - 128	8	21
Trichloroethene			40.0	39.4		ug/Kg		99	69 - 118	6	20
Trichlorofluoromethane			40.0	38.8		ug/Kg		97	32 - 149	7	39
1,1,2-Trichloro-1,2,2-trifluoroethane			40.0	45.8		ug/Kg		114	59 - 135	6	28
Vinyl chloride			40.0	33.4		ug/Kg		83	64 - 134	12	23
Xylenes, Total			80.0	71.7		ug/Kg		90	78 - 118	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*60 - 124*
Dibromofluoromethane (Surr)	*105*		*69 - 126*
1,2-Dichloroethane-d4 (Surr)	*113*		*73 - 135*
Toluene-d8 (Surr)	*96*		*67 - 134*

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

Lab Sample ID: MB 180-432388/1-A
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		67	19	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Acenaphthylene	ND		67	15	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Acetophenone	ND		670	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1

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

Lab Sample ID: MB 180-432388/1-A
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		67	17	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Atrazine	ND		670	150	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzaldehyde	ND		670	41	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzo[a]anthracene	ND		67	30	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzo[a]pyrene	ND		67	29	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzo[b]fluoranthene	ND		67	16	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzo[g,h,i]perylene	ND		67	14	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Benzo[k]fluoranthene	ND		67	20	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
1,1'-Biphenyl	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Bis(2-chloroethoxy)methane	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Bis(2-chloroethyl)ether	ND		67	12	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Bis(2-ethylhexyl) phthalate	ND		3300	360	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Bromophenyl phenyl ether	ND		330	140	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Butyl benzyl phthalate	ND		330	230	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Caprolactam	ND		1700	220	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Carbazole	ND		67	16	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Chloroaniline	ND		330	88	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Chloro-3-methylphenol	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Chloronaphthalene	ND		67	15	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Chlorophenol	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Chlorophenyl phenyl ether	ND		330	110	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Chrysene	ND		67	37	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Dibenz(a,h)anthracene	ND		67	43	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Dibenzofuran	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
3,3'-Dichlorobenzidine	ND		330	310	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4-Dichlorophenol	ND		67	26	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Diethyl phthalate	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4-Dimethylphenol	ND		330	110	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Dimethyl phthalate	ND		330	130	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Di-n-butyl phthalate	ND		330	150	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4,6-Dinitro-2-methylphenol	ND		1700	580	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4-Dinitrophenol	ND		3300	2100	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4-Dinitrotoluene	ND		330	200	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,6-Dinitrotoluene	ND		330	130	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Di-n-octyl phthalate	ND		330	190	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
1,4-Dioxane	ND		670	100	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Fluoranthene	ND		67	18	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Fluorene	ND		67	13	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Hexachlorobenzene	ND		67	24	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Hexachlorobutadiene	ND		67	20	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Hexachlorocyclopentadiene	ND		330	34	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Hexachloroethane	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Indeno[1,2,3-cd]pyrene	ND		67	33	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Isophorone	ND		330	130	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Methylnaphthalene	ND		67	16	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Methylphenol	ND		330	96	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Methylphenol, 3 & 4	ND		330	98	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Naphthalene	ND		67	13	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Nitroaniline	ND		1700	150	ug/Kg		04/14/23 16:35	04/15/23 10:52	1

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

Lab Sample ID: MB 180-432388/1-A
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	ND		1700	85	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Nitroaniline	ND		1700	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Nitrobenzene	ND		670	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2-Nitrophenol	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
4-Nitrophenol	ND		1700	230	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
N-Nitrosodi-n-propylamine	ND		67	23	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
N-Nitrosodiphenylamine	ND		330	110	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,2'-oxybis[1-chloropropane]	ND		67	25	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Pentachlorophenol	ND		1700	540	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Phenanthrene	ND		67	18	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Phenol	ND		330	100	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
Pyrene	ND		67	16	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
1,2,4,5-Tetrachlorobenzene	ND		330	130	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,3,4,6-Tetrachlorophenol	ND		330	140	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4,5-Trichlorophenol	ND		330	120	ug/Kg		04/14/23 16:35	04/15/23 10:52	1
2,4,6-Trichlorophenol	ND		330	110	ug/Kg		04/14/23 16:35	04/15/23 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*69*		*44 - 105*	*04/14/23 16:35*	*04/15/23 10:52*	*1*
2-Fluorophenol (Surr)	*56*		*48 - 105*	*04/14/23 16:35*	*04/15/23 10:52*	*1*
Nitrobenzene-d5 (Surr)	*66*		*46 - 105*	*04/14/23 16:35*	*04/15/23 10:52*	*1*
Phenol-d5 (Surr)	*61*		*46 - 105*	*04/14/23 16:35*	*04/15/23 10:52*	*1*
Terphenyl-d14 (Surr)	*73*		*39 - 105*	*04/14/23 16:35*	*04/15/23 10:52*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*34 - 108*	*04/14/23 16:35*	*04/15/23 10:52*	*1*

Lab Sample ID: LCS 180-432388/2-A
Matrix: Solid
Analysis Batch: 432494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	6670	5450		ug/Kg		82	50 - 100
Acenaphthylene	6670	5530		ug/Kg		83	52 - 100
Acetophenone	6670	5150		ug/Kg		77	48 - 100
Anthracene	6670	5360		ug/Kg		80	53 - 100
Atrazine	6670	5550		ug/Kg		83	49 - 103
Benzaldehyde	6670	4410		ug/Kg		66	23 - 105
Benzo[a]anthracene	6670	5510		ug/Kg		83	51 - 100
Benzo[a]pyrene	6670	5500		ug/Kg		83	51 - 100
Benzo[b]fluoranthene	6670	5350		ug/Kg		80	48 - 100
Benzo[g,h,i]perylene	6670	5300		ug/Kg		79	48 - 105
Benzo[k]fluoranthene	6670	5080		ug/Kg		76	19 - 100
1,1'-Biphenyl	6670	5450		ug/Kg		82	50 - 100
Bis(2-chloroethoxy)methane	6670	4730		ug/Kg		71	49 - 100
Bis(2-chloroethyl)ether	6670	5400		ug/Kg		81	48 - 100
Bis(2-ethylhexyl) phthalate	6670	5500		ug/Kg		83	53 - 107
4-Bromophenyl phenyl ether	6670	5740		ug/Kg		86	52 - 101
Butyl benzyl phthalate	6670	5880		ug/Kg		88	52 - 107
Caprolactam	6670	6460		ug/Kg		97	48 - 111

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

Lab Sample ID: LCS 180-432388/2-A
Matrix: Solid
Analysis Batch: 432494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	6670	5170		ug/Kg		77	53 - 100
4-Chloroaniline	6670	5320		ug/Kg		80	47 - 100
4-Chloro-3-methylphenol	6670	6020		ug/Kg		90	49 - 106
2-Chloronaphthalene	6670	5000		ug/Kg		75	51 - 100
2-Chlorophenol	6670	5170		ug/Kg		78	51 - 100
4-Chlorophenyl phenyl ether	6670	5610		ug/Kg		84	52 - 100
Chrysene	6670	5060		ug/Kg		76	50 - 100
Dibenz(a,h)anthracene	6670	5440		ug/Kg		82	50 - 107
Dibenzofuran	6670	5240		ug/Kg		79	52 - 100
3,3'-Dichlorobenzidine	6670	5190		ug/Kg		78	43 - 100
2,4-Dichlorophenol	6670	5910		ug/Kg		89	53 - 101
Diethyl phthalate	6670	5110		ug/Kg		77	48 - 104
2,4-Dimethylphenol	6670	5680		ug/Kg		85	51 - 101
Dimethyl phthalate	6670	5580		ug/Kg		84	53 - 100
Di-n-butyl phthalate	6670	5520		ug/Kg		83	57 - 102
4,6-Dinitro-2-methylphenol	13300	13700	*+	ug/Kg		103	51 - 100
2,4-Dinitrophenol	13300	13000		ug/Kg		98	33 - 101
2,4-Dinitrotoluene	6670	6040		ug/Kg		91	54 - 104
2,6-Dinitrotoluene	6670	5810		ug/Kg		87	51 - 106
Di-n-octyl phthalate	6670	5750		ug/Kg		86	41 - 106
1,4-Dioxane	6670	5370		ug/Kg		81	25 - 125
Fluoranthene	6670	5570		ug/Kg		84	55 - 100
Fluorene	6670	5280		ug/Kg		79	52 - 100
Hexachlorobenzene	6670	5330		ug/Kg		80	49 - 100
Hexachlorobutadiene	6670	5390		ug/Kg		81	38 - 107
Hexachlorocyclopentadiene	6670	5920		ug/Kg		89	33 - 117
Hexachloroethane	6670	5090		ug/Kg		76	47 - 100
Indeno[1,2,3-cd]pyrene	6670	5370		ug/Kg		80	51 - 103
Isophorone	6670	6240		ug/Kg		94	48 - 105
2-Methylnaphthalene	6670	5340		ug/Kg		80	53 - 100
2-Methylphenol	6670	5410		ug/Kg		81	50 - 101
Methylphenol, 3 & 4	6670	5630		ug/Kg		84	50 - 103
Naphthalene	6670	5160		ug/Kg		77	51 - 100
2-Nitroaniline	6670	6320		ug/Kg		95	42 - 123
3-Nitroaniline	6670	5820		ug/Kg		87	50 - 103
4-Nitroaniline	6670	5400		ug/Kg		81	52 - 103
Nitrobenzene	6670	6040		ug/Kg		91	44 - 108
2-Nitrophenol	6670	6290		ug/Kg		94	55 - 107
4-Nitrophenol	13300	10300		ug/Kg		77	30 - 134
N-Nitrosodi-n-propylamine	6670	5970		ug/Kg		90	45 - 107
N-Nitrosodiphenylamine	6670	5860		ug/Kg		88	52 - 100
2,2'-oxybis[1-chloropropane]	6670	5410		ug/Kg		81	30 - 113
Pentachlorophenol	13300	11100		ug/Kg		83	42 - 110
Phenanthrene	6670	5070		ug/Kg		76	53 - 100
Phenol	6670	5580		ug/Kg		84	49 - 100
Pyrene	6670	5830		ug/Kg		87	52 - 100
1,2,4,5-Tetrachlorobenzene	6670	5640		ug/Kg		85	41 - 104
2,3,4,6-Tetrachlorophenol	6670	5760		ug/Kg		86	47 - 104
2,4,5-Trichlorophenol	6670	5740		ug/Kg		86	50 - 104

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

Lab Sample ID: LCS 180-432388/2-A
Matrix: Solid
Analysis Batch: 432494

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432388

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,6-Trichlorophenol			6670	6350		ug/Kg		95	50 - 105		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*44 - 105*
2-Fluorophenol (Surr)	*80*		*48 - 105*
Nitrobenzene-d5 (Surr)	*89*		*46 - 105*
Phenol-d5 (Surr)	*85*		*46 - 105*
Terphenyl-d14 (Surr)	*85*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*77*		*34 - 108*

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene	ND		7100	6010		ug/Kg	☼	85	50 - 100		
Acenaphthylene	ND		7100	6020		ug/Kg	☼	85	52 - 100		
Acetophenone	ND		7100	5530		ug/Kg	☼	78	48 - 100		
Anthracene	ND		7100	5660		ug/Kg	☼	80	53 - 100		
Atrazine	ND		7100	5200		ug/Kg	☼	73	49 - 103		
Benzaldehyde	ND	F1	7100	452	J F1	ug/Kg	☼	6	23 - 105		
Benzo[a]anthracene	ND		7100	5780		ug/Kg	☼	81	51 - 100		
Benzo[a]pyrene	ND		7100	5810		ug/Kg	☼	82	51 - 100		
Benzo[b]fluoranthene	51	J	7100	6000		ug/Kg	☼	84	48 - 100		
Benzo[g,h,i]perylene	ND		7100	6040		ug/Kg	☼	85	48 - 105		
Benzo[k]fluoranthene	ND		7100	5810		ug/Kg	☼	82	19 - 100		
1,1'-Biphenyl	ND		7100	6110		ug/Kg	☼	86	50 - 100		
Bis(2-chloroethoxy)methane	ND		7100	5320		ug/Kg	☼	75	49 - 100		
Bis(2-chloroethyl)ether	ND		7100	5180		ug/Kg	☼	73	48 - 100		
Bis(2-ethylhexyl) phthalate	ND		7100	5850		ug/Kg	☼	82	53 - 107		
4-Bromophenyl phenyl ether	ND		7100	6220		ug/Kg	☼	88	52 - 101		
Butyl benzyl phthalate	ND		7100	6280		ug/Kg	☼	88	52 - 107		
Caprolactam	ND		7100	4740		ug/Kg	☼	67	48 - 111		
Carbazole	ND		7100	5390		ug/Kg	☼	76	53 - 100		
4-Chloroaniline	ND		7100	4100		ug/Kg	☼	58	47 - 100		
4-Chloro-3-methylphenol	ND		7100	5860		ug/Kg	☼	83	49 - 106		
2-Chloronaphthalene	ND		7100	6020		ug/Kg	☼	85	51 - 100		
2-Chlorophenol	ND		7100	5240		ug/Kg	☼	74	51 - 100		
4-Chlorophenyl phenyl ether	ND		7100	6020		ug/Kg	☼	85	52 - 100		
Chrysene	41	J	7100	5740		ug/Kg	☼	80	50 - 100		
Dibenz(a,h)anthracene	ND		7100	6230		ug/Kg	☼	88	50 - 107		
Dibenzofuran	ND		7100	5730		ug/Kg	☼	81	52 - 100		
3,3'-Dichlorobenzidine	ND		7100	4500		ug/Kg	☼	63	43 - 100		
2,4-Dichlorophenol	ND		7100	5560		ug/Kg	☼	78	53 - 101		
Diethyl phthalate	ND		7100	5090		ug/Kg	☼	72	48 - 104		
2,4-Dimethylphenol	ND		7100	4950		ug/Kg	☼	70	51 - 101		
Dimethyl phthalate	ND		7100	5530		ug/Kg	☼	78	53 - 100		
Di-n-butyl phthalate	ND		7100	5120		ug/Kg	☼	72	57 - 102		

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

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	ND	*+	14200	11700		ug/Kg	☼	82	51 - 100
2,4-Dinitrophenol	ND		14200	7460		ug/Kg	☼	53	33 - 101
2,4-Dinitrotoluene	ND		7100	5770		ug/Kg	☼	81	54 - 104
2,6-Dinitrotoluene	ND		7100	5840		ug/Kg	☼	82	51 - 106
Di-n-octyl phthalate	ND		7100	5680		ug/Kg	☼	80	41 - 106
1,4-Dioxane	ND		7100	4140		ug/Kg	☼	58	25 - 125
Fluoranthene	37	J	7100	5200		ug/Kg	☼	73	55 - 100
Fluorene	ND		7100	5600		ug/Kg	☼	79	52 - 100
Hexachlorobenzene	ND		7100	5430		ug/Kg	☼	76	49 - 100
Hexachlorobutadiene	ND		7100	5570		ug/Kg	☼	78	38 - 107
Hexachlorocyclopentadiene	ND		7100	5640		ug/Kg	☼	79	33 - 117
Hexachloroethane	ND		7100	5380		ug/Kg	☼	76	47 - 100
Indeno[1,2,3-cd]pyrene	ND		7100	6140		ug/Kg	☼	87	51 - 103
Isophorone	ND		7100	5950		ug/Kg	☼	84	48 - 105
2-Methylnaphthalene	ND		7100	5960		ug/Kg	☼	84	53 - 100
2-Methylphenol	ND		7100	5820		ug/Kg	☼	82	50 - 101
Methylphenol, 3 & 4	ND		7100	5940		ug/Kg	☼	84	50 - 103
Naphthalene	ND		7100	5850		ug/Kg	☼	82	51 - 100
2-Nitroaniline	ND		7100	5670		ug/Kg	☼	80	42 - 123
3-Nitroaniline	ND		7100	5140		ug/Kg	☼	72	50 - 103
4-Nitroaniline	ND		7100	4890		ug/Kg	☼	69	52 - 103
Nitrobenzene	ND		7100	5640		ug/Kg	☼	79	44 - 108
2-Nitrophenol	ND		7100	5960		ug/Kg	☼	84	55 - 107
4-Nitrophenol	ND		14200	7760		ug/Kg	☼	55	30 - 134
N-Nitrosodi-n-propylamine	ND		7100	6800		ug/Kg	☼	96	45 - 107
N-Nitrosodiphenylamine	ND		7100	6340		ug/Kg	☼	89	52 - 100
2,2'-oxybis[1-chloropropane]	ND		7100	6160		ug/Kg	☼	87	30 - 113
Pentachlorophenol	ND		14200	9750		ug/Kg	☼	69	42 - 110
Phenanthrene	ND		7100	5550		ug/Kg	☼	78	53 - 100
Phenol	ND		7100	5390		ug/Kg	☼	76	49 - 100
Pyrene	45	J	7100	7070		ug/Kg	☼	99	52 - 100
1,2,4,5-Tetrachlorobenzene	ND		7100	5800		ug/Kg	☼	82	41 - 104
2,3,4,6-Tetrachlorophenol	ND		7100	5360		ug/Kg	☼	75	47 - 104
2,4,5-Trichlorophenol	ND		7100	5820		ug/Kg	☼	82	50 - 104
2,4,6-Trichlorophenol	ND		7100	5960		ug/Kg	☼	84	50 - 105

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*86*		*44 - 105*
2-Fluorophenol (Surr)	*67*		*48 - 105*
Nitrobenzene-d5 (Surr)	*80*		*46 - 105*
Phenol-d5 (Surr)	*76*		*46 - 105*
Terphenyl-d14 (Surr)	*92*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*76*		*34 - 108*

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

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene	ND		7100	5840		ug/Kg	☼	82	50 - 100	3	20
Acenaphthylene	ND		7100	5790		ug/Kg	☼	82	52 - 100	4	20
Acetophenone	ND		7100	5120		ug/Kg	☼	72	48 - 100	8	17
Anthracene	ND		7100	5560		ug/Kg	☼	78	53 - 100	2	20
Atrazine	ND		7100	5110		ug/Kg	☼	72	49 - 103	2	19
Benzaldehyde	ND	F1	7100	457	J F1	ug/Kg	☼	6	23 - 105	1	31
Benzo[a]anthracene	ND		7100	5520		ug/Kg	☼	78	51 - 100	5	21
Benzo[a]pyrene	ND		7100	5480		ug/Kg	☼	77	51 - 100	6	20
Benzo[b]fluoranthene	51	J	7100	5770		ug/Kg	☼	81	48 - 100	4	20
Benzo[g,h,i]perylene	ND		7100	5680		ug/Kg	☼	80	48 - 105	6	19
Benzo[k]fluoranthene	ND		7100	5750		ug/Kg	☼	81	19 - 100	1	20
1,1'-Biphenyl	ND		7100	5760		ug/Kg	☼	81	50 - 100	6	19
Bis(2-chloroethoxy)methane	ND		7100	5080		ug/Kg	☼	71	49 - 100	5	20
Bis(2-chloroethyl)ether	ND		7100	4990		ug/Kg	☼	70	48 - 100	4	18
Bis(2-ethylhexyl) phthalate	ND		7100	5490		ug/Kg	☼	77	53 - 107	6	20
4-Bromophenyl phenyl ether	ND		7100	5860		ug/Kg	☼	83	52 - 101	6	20
Butyl benzyl phthalate	ND		7100	5870		ug/Kg	☼	83	52 - 107	7	19
Caprolactam	ND		7100	4880		ug/Kg	☼	69	48 - 111	3	23
Carbazole	ND		7100	5420		ug/Kg	☼	76	53 - 100	1	20
4-Chloroaniline	ND		7100	4150		ug/Kg	☼	58	47 - 100	1	20
4-Chloro-3-methylphenol	ND		7100	5710		ug/Kg	☼	80	49 - 106	3	20
2-Chloronaphthalene	ND		7100	5570		ug/Kg	☼	78	51 - 100	8	20
2-Chlorophenol	ND		7100	4980		ug/Kg	☼	70	51 - 100	5	17
4-Chlorophenyl phenyl ether	ND		7100	5890		ug/Kg	☼	83	52 - 100	2	19
Chrysene	41	J	7100	5490		ug/Kg	☼	77	50 - 100	5	20
Dibenz(a,h)anthracene	ND		7100	5910		ug/Kg	☼	83	50 - 107	5	21
Dibenzofuran	ND		7100	5450		ug/Kg	☼	77	52 - 100	5	19
3,3'-Dichlorobenzidine	ND		7100	4370		ug/Kg	☼	62	43 - 100	3	19
2,4-Dichlorophenol	ND		7100	5220		ug/Kg	☼	74	53 - 101	6	22
Diethyl phthalate	ND		7100	4960		ug/Kg	☼	70	48 - 104	3	20
2,4-Dimethylphenol	ND		7100	4710		ug/Kg	☼	66	51 - 101	5	32
Dimethyl phthalate	ND		7100	5380		ug/Kg	☼	76	53 - 100	3	21
Di-n-butyl phthalate	ND		7100	4980		ug/Kg	☼	70	57 - 102	3	20
4,6-Dinitro-2-methylphenol	ND	*+	14200	11800		ug/Kg	☼	83	51 - 100	1	22
2,4-Dinitrophenol	ND		14200	7500		ug/Kg	☼	53	33 - 101	0	20
2,4-Dinitrotoluene	ND		7100	5660		ug/Kg	☼	80	54 - 104	2	20
2,6-Dinitrotoluene	ND		7100	5660		ug/Kg	☼	80	51 - 106	3	20
Di-n-octyl phthalate	ND		7100	5300		ug/Kg	☼	75	41 - 106	7	18
1,4-Dioxane	ND		7100	3830		ug/Kg	☼	54	25 - 125	8	17
Fluoranthene	37	J	7100	5280		ug/Kg	☼	74	55 - 100	2	20
Fluorene	ND		7100	5480		ug/Kg	☼	77	52 - 100	2	19
Hexachlorobenzene	ND		7100	5130		ug/Kg	☼	72	49 - 100	6	20
Hexachlorobutadiene	ND		7100	5140		ug/Kg	☼	72	38 - 107	8	22
Hexachlorocyclopentadiene	ND		7100	5250		ug/Kg	☼	74	33 - 117	7	19
Hexachloroethane	ND		7100	4880		ug/Kg	☼	69	47 - 100	10	17
Indeno[1,2,3-cd]pyrene	ND		7100	5840		ug/Kg	☼	82	51 - 103	5	19
Isophorone	ND		7100	5490		ug/Kg	☼	77	48 - 105	8	20
2-Methylnaphthalene	ND		7100	5780		ug/Kg	☼	81	53 - 100	3	21

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

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 432402

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylphenol	ND		7100	5540		ug/Kg	☼	78	50 - 101	5	17
Methylphenol, 3 & 4	ND		7100	5560		ug/Kg	☼	78	50 - 103	7	19
Naphthalene	ND		7100	5530		ug/Kg	☼	78	51 - 100	6	20
2-Nitroaniline	ND		7100	5330		ug/Kg	☼	75	42 - 123	6	19
3-Nitroaniline	ND		7100	5230		ug/Kg	☼	74	50 - 103	2	20
4-Nitroaniline	ND		7100	5060		ug/Kg	☼	71	52 - 103	3	18
Nitrobenzene	ND		7100	5550		ug/Kg	☼	78	44 - 108	2	21
2-Nitrophenol	ND		7100	5600		ug/Kg	☼	79	55 - 107	6	19
4-Nitrophenol	ND		14200	8170		ug/Kg	☼	58	30 - 134	5	18
N-Nitrosodi-n-propylamine	ND		7100	6210		ug/Kg	☼	87	45 - 107	9	18
N-Nitrosodiphenylamine	ND		7100	5940		ug/Kg	☼	84	52 - 100	6	20
2,2'-oxybis[1-chloropropane]	ND		7100	5770		ug/Kg	☼	81	30 - 113	6	17
Pentachlorophenol	ND		14200	9680		ug/Kg	☼	68	42 - 110	1	20
Phenanthrene	ND		7100	5400		ug/Kg	☼	76	53 - 100	3	20
Phenol	ND		7100	5030		ug/Kg	☼	71	49 - 100	7	16
Pyrene	45	J	7100	6430		ug/Kg	☼	90	52 - 100	9	20
1,2,4,5-Tetrachlorobenzene	ND		7100	5600		ug/Kg	☼	79	41 - 104	3	21
2,3,4,6-Tetrachlorophenol	ND		7100	5140		ug/Kg	☼	72	47 - 104	4	18
2,4,5-Trichlorophenol	ND		7100	5680		ug/Kg	☼	80	50 - 104	2	21
2,4,6-Trichlorophenol	ND		7100	5670		ug/Kg	☼	80	50 - 105	5	21

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*79*		*44 - 105*
2-Fluorophenol (Surr)	*64*		*48 - 105*
Nitrobenzene-d5 (Surr)	*76*		*46 - 105*
Phenol-d5 (Surr)	*69*		*46 - 105*
Terphenyl-d14 (Surr)	*87*		*39 - 105*
2,4,6-Tribromophenol (Surr)	*70*		*34 - 108*

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

Lab Sample ID: MB 180-432210/1-C
Matrix: Solid
Analysis Batch: 432577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		17	5.4	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1221	ND		17	5.9	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1232	ND		17	4.1	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1242	ND		17	2.4	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1248	ND		17	4.0	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1254	ND		17	5.0	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1260	ND		17	4.7	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1262	ND		17	5.9	ug/Kg		04/13/23 10:28	04/18/23 15:41	1
PCB-1268	ND		17	2.2	ug/Kg		04/13/23 10:28	04/18/23 15:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*144*	*S1+*	*63 - 138*	*04/13/23 10:28*	*04/18/23 15:41*	*1*

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

Lab Sample ID: MB 180-432210/1-C
Matrix: Solid
Analysis Batch: 432577

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432210

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	128		63 - 138	04/13/23 10:28	04/18/23 15:41	1
Tetrachloro-m-xylene (Surr)	135		55 - 135	04/13/23 10:28	04/18/23 15:41	1
Tetrachloro-m-xylene (Surr)	137	S1+	55 - 135	04/13/23 10:28	04/18/23 15:41	1

Lab Sample ID: LCS 180-432210/2-C
Matrix: Solid
Analysis Batch: 432577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1330	1810		ug/Kg		136	43 - 136		
PCB-1260			1330	1500		ug/Kg		113	55 - 128		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	118		63 - 138
DCB Decachlorobiphenyl (Surr)	112		63 - 138
Tetrachloro-m-xylene (Surr)	131		55 - 135
Tetrachloro-m-xylene (Surr)	134		55 - 135

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 432577

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432210

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	ND		1410	1780		ug/Kg	☼	126	43 - 136		
PCB-1260	ND		1410	1740		ug/Kg	☼	123	55 - 128		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	104		63 - 138
DCB Decachlorobiphenyl (Surr)	99		63 - 138
Tetrachloro-m-xylene (Surr)	116		55 - 135
Tetrachloro-m-xylene (Surr)	120		55 - 135

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 432577

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432210

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	ND		1380	1710		ug/Kg	☼	124	43 - 136	4	40
PCB-1260	ND		1380	1660		ug/Kg	☼	120	55 - 128	5	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	106		63 - 138
DCB Decachlorobiphenyl (Surr)	100		63 - 138
Tetrachloro-m-xylene (Surr)	116		55 - 135
Tetrachloro-m-xylene (Surr)	120		55 - 135

Method: EPA 6010C - Metals (ICP)

Lab Sample ID: MB 180-432225/1-A
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Antimony	ND		1.0	0.30	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Arsenic	ND		1.0	0.63	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Barium	ND		20	3.6	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Beryllium	ND		0.40	0.11	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Cadmium	ND		0.50	0.073	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Calcium	ND		500	65	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Chromium	ND		0.50	0.46	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Cobalt	ND		5.0	0.70	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Copper	ND		2.5	1.5	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Iron	ND		10	9.7	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Lead	ND		1.0	0.87	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Magnesium	ND		500	55	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Manganese	ND		1.5	0.28	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Nickel	ND		4.0	0.50	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Potassium	114	J	500	85	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Selenium	ND		1.0	0.46	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Silver	ND		0.50	0.10	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Sodium	ND		500	51	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Thallium	ND		2.0	0.28	mg/Kg		04/13/23 11:18	04/25/23 23:28	1
Vanadium	ND		5.0	0.79	mg/Kg		04/13/23 11:18	04/25/23 23:28	1

Lab Sample ID: LCS 180-432225/2-A
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	449		mg/Kg		90	80 - 120
Antimony	25.0	27.5		mg/Kg		110	80 - 120
Arsenic	100	92.9		mg/Kg		93	80 - 120
Barium	100	91.6		mg/Kg		92	80 - 120
Beryllium	50.0	44.2		mg/Kg		88	80 - 120
Cadmium	50.0	44.2		mg/Kg		88	80 - 120
Calcium	2500	2210		mg/Kg		88	80 - 120
Chromium	50.0	42.6		mg/Kg		85	80 - 120
Cobalt	50.0	44.3		mg/Kg		89	80 - 120
Copper	50.0	42.3		mg/Kg		85	80 - 120
Iron	500	438		mg/Kg		88	80 - 120
Lead	50.0	43.2		mg/Kg		86	80 - 120
Magnesium	2500	2160		mg/Kg		86	80 - 120
Manganese	50.0	41.8		mg/Kg		84	80 - 120
Nickel	50.0	43.9		mg/Kg		88	80 - 120
Potassium	2500	2420		mg/Kg		97	80 - 120
Selenium	100	89.3		mg/Kg		89	80 - 120
Silver	25.0	20.8		mg/Kg		83	80 - 120
Sodium	2500	2370		mg/Kg		95	80 - 120
Thallium	100	84.9		mg/Kg		85	80 - 120
Vanadium	50.0	42.1		mg/Kg		84	80 - 120

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

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432225

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	3100		367	9070	4	mg/Kg	☼	1638	75 - 125
Antimony	0.39	J F2 F1	18.4	7.80	F1	mg/Kg	☼	40	75 - 125
Arsenic	3.9	F2	73.4	86.2		mg/Kg	☼	112	75 - 125
Barium	35	F2 F1	73.4	153	F1	mg/Kg	☼	161	75 - 125
Beryllium	0.25	J F2	36.7	36.3		mg/Kg	☼	98	75 - 125
Cadmium	0.13	J F2	36.7	35.0		mg/Kg	☼	95	75 - 125
Calcium	2300	F2 F1	1840	11400	F1	mg/Kg	☼	496	75 - 125
Chromium	4.7	F2	36.7	45.4		mg/Kg	☼	111	75 - 125
Cobalt	3.8	F2 F1	36.7	57.0	F1	mg/Kg	☼	145	75 - 125
Copper	16	F2 F1	36.7	78.3	F1	mg/Kg	☼	170	75 - 125
Iron	8400		367	19300	4	mg/Kg	☼	2953	75 - 125
Lead	19	F2 F1	36.7	85.7	F1	mg/Kg	☼	181	75 - 125
Magnesium	1100	F2 F1	1840	5640	F1	mg/Kg	☼	245	75 - 125
Manganese	170		36.7	468	4	mg/Kg	☼	824	75 - 125
Nickel	10	F2 F1	36.7	73.9	F1	mg/Kg	☼	173	75 - 125
Potassium	350	F2 B	1840	2440		mg/Kg	☼	114	75 - 125
Selenium	ND	F2	73.4	73.4		mg/Kg	☼	100	75 - 125
Silver	ND	F2	18.4	17.4		mg/Kg	☼	95	75 - 125
Sodium	ND	F2	1840	2000		mg/Kg	☼	109	75 - 125
Thallium	0.28	J F2	73.4	84.0		mg/Kg	☼	114	75 - 125
Vanadium	6.3	F2	36.7	47.7		mg/Kg	☼	113	75 - 125

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 433389

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 432225

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	3100		237	7770	4	mg/Kg	☼	1990	75 - 125	15	20
Antimony	0.39	J F2 F1	11.9	4.11	F2 F1	mg/Kg	☼	31	75 - 125	62	20
Arsenic	3.9	F2	47.4	52.0	F2	mg/Kg	☼	101	75 - 125	49	20
Barium	35	F2 F1	47.4	103	F1 F2	mg/Kg	☼	144	75 - 125	39	20
Beryllium	0.25	J F2	23.7	20.3	F2	mg/Kg	☼	85	75 - 125	56	20
Cadmium	0.13	J F2	23.7	19.3	F2	mg/Kg	☼	81	75 - 125	58	20
Calcium	2300	F2 F1	1190	15600	F1 F2	mg/Kg	☼	1114	75 - 125	30	20
Chromium	4.7	F2	23.7	28.8	F2	mg/Kg	☼	102	75 - 125	45	20
Cobalt	3.8	F2 F1	23.7	35.4	F1 F2	mg/Kg	☼	133	75 - 125	47	20
Copper	16	F2 F1	23.7	53.9	F1 F2	mg/Kg	☼	161	75 - 125	37	20
Iron	8400		237	17700	4	mg/Kg	☼	3906	75 - 125	9	20
Lead	19	F2 F1	23.7	60.5	F1 F2	mg/Kg	☼	173	75 - 125	35	20
Magnesium	1100	F2 F1	1190	10500	F1 F2	mg/Kg	☼	791	75 - 125	60	20
Manganese	170		23.7	405	4	mg/Kg	☼	1009	75 - 125	14	20
Nickel	10	F2 F1	23.7	51.8	F1 F2	mg/Kg	☼	175	75 - 125	35	20
Potassium	350	F2 B	1190	1530	F2	mg/Kg	☼	99	75 - 125	46	20
Selenium	ND	F2	47.4	41.4	F2	mg/Kg	☼	87	75 - 125	56	20
Silver	ND	F2	11.9	10.2	F2	mg/Kg	☼	86	75 - 125	52	20
Sodium	ND	F2	1190	1180	F2	mg/Kg	☼	99	75 - 125	52	20
Thallium	0.28	J F2	47.4	46.8	F2	mg/Kg	☼	98	75 - 125	57	20
Vanadium	6.3	F2	23.7	31.3	F2	mg/Kg	☼	105	75 - 125	42	20

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

Lab Sample ID: MB 180-432524/1-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 432524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Antimony	ND		1.0	0.30	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Arsenic	ND		1.0	0.63	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Barium	ND		20	3.6	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Beryllium	ND		0.40	0.11	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Cadmium	ND		0.50	0.073	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Calcium	ND		500	65	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Chromium	ND		0.50	0.46	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Cobalt	ND		5.0	0.70	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Copper	ND		2.5	1.5	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Iron	93.7		10	9.7	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Lead	ND		1.0	0.87	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Magnesium	ND		500	55	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Manganese	ND		1.5	0.28	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Nickel	ND		4.0	0.50	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Potassium	ND		500	85	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Selenium	ND		1.0	0.46	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Silver	ND		0.50	0.10	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Sodium	ND		500	51	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Thallium	ND		2.0	0.28	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Vanadium	ND		5.0	0.79	mg/Kg		04/17/23 12:00	04/21/23 23:22	1
Zinc	3.24		2.0	1.5	mg/Kg		04/17/23 12:00	04/21/23 23:22	1

Lab Sample ID: LCS 180-432524/2-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	459		mg/Kg		92	80 - 120
Antimony	25.0	23.8		mg/Kg		95	80 - 120
Arsenic	100	96.9		mg/Kg		97	80 - 120
Barium	100	91.0		mg/Kg		91	80 - 120
Beryllium	50.0	45.4		mg/Kg		91	80 - 120
Cadmium	50.0	47.0		mg/Kg		94	80 - 120
Calcium	2500	2370		mg/Kg		95	80 - 120
Chromium	50.0	45.6		mg/Kg		91	80 - 120
Cobalt	50.0	45.1		mg/Kg		90	80 - 120
Copper	50.0	44.1		mg/Kg		88	80 - 120
Iron	500	482		mg/Kg		96	80 - 120
Lead	50.0	46.0		mg/Kg		92	80 - 120
Magnesium	2500	2390		mg/Kg		96	80 - 120
Manganese	50.0	45.2		mg/Kg		90	80 - 120
Nickel	50.0	45.2		mg/Kg		90	80 - 120
Potassium	2500	2380		mg/Kg		95	80 - 120
Selenium	100	91.5		mg/Kg		91	80 - 120
Silver	25.0	21.6		mg/Kg		86	80 - 120
Sodium	2500	2430		mg/Kg		97	80 - 120
Thallium	100	90.5		mg/Kg		91	80 - 120
Vanadium	50.0	45.7		mg/Kg		91	80 - 120

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

Lab Sample ID: LCS 180-432524/2-A
Matrix: Solid
Analysis Batch: 433149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 432524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	25.6		mg/Kg		102	80 - 120

Lab Sample ID: MB 180-433882/1-A
Matrix: Solid
Analysis Batch: 434202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20	5.0	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Antimony	ND		1.0	0.30	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Arsenic	ND		1.0	0.63	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Barium	ND		20	3.6	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Beryllium	ND		0.40	0.11	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Cadmium	ND		0.50	0.073	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Calcium	ND		500	65	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Chromium	ND		0.50	0.46	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Cobalt	ND		5.0	0.70	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Copper	ND		2.5	1.5	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Iron	ND		10	9.7	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Lead	ND		1.0	0.87	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Magnesium	ND		500	55	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Manganese	ND		1.5	0.28	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Nickel	ND		4.0	0.50	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Potassium	ND		500	85	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Selenium	ND		1.0	0.46	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Silver	ND		0.50	0.10	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Sodium	ND		500	51	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Thallium	ND		2.0	0.28	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Vanadium	ND		5.0	0.79	mg/Kg		05/01/23 11:30	05/03/23 13:34	1
Zinc	4.48		2.0	1.5	mg/Kg		05/01/23 11:30	05/03/23 13:34	1

Lab Sample ID: LCS 180-433882/2-A
Matrix: Solid
Analysis Batch: 434202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	500	493		mg/Kg		99	80 - 120
Antimony	25.0	24.6		mg/Kg		98	80 - 120
Arsenic	100	100		mg/Kg		100	80 - 120
Barium	100	99.1		mg/Kg		99	80 - 120
Beryllium	50.0	49.6		mg/Kg		99	80 - 120
Cadmium	50.0	49.7		mg/Kg		99	80 - 120
Calcium	2500	2530		mg/Kg		101	80 - 120
Chromium	50.0	49.2		mg/Kg		98	80 - 120
Cobalt	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.6		mg/Kg		99	80 - 120
Iron	500	504		mg/Kg		101	80 - 120
Lead	50.0	48.5		mg/Kg		97	80 - 120
Magnesium	2500	2480		mg/Kg		99	80 - 120
Manganese	50.0	48.5		mg/Kg		97	80 - 120

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

Lab Sample ID: LCS 180-433882/2-A
Matrix: Solid
Analysis Batch: 434202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	50.0	49.0		mg/Kg		98	80 - 120
Potassium	2500	2430		mg/Kg		97	80 - 120
Selenium	100	98.5		mg/Kg		98	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120
Sodium	2500	2560		mg/Kg		102	80 - 120
Thallium	100	97.0		mg/Kg		97	80 - 120
Vanadium	50.0	49.5		mg/Kg		99	80 - 120
Zinc	25.0	29.1		mg/Kg		117	80 - 120

Lab Sample ID: MB 180-433889/7-A
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	3.46		2.0	1.5	mg/Kg		05/02/23 10:00	05/03/23 12:13	1

Lab Sample ID: LCS 180-433889/8-A
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	25.0	30.1		mg/Kg		120	80 - 120

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 433889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	140	B F2	20.0	184	4	mg/Kg	☼	227	75 - 125

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 434151

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 433889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	140	B F2	19.1	137	4 F2	mg/Kg	☼	-8	75 - 125	29	20

Method: EPA 7471B - Mercury (CVAA)

Lab Sample ID: MB 180-433565/1-A
Matrix: Solid
Analysis Batch: 433778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033	0.021	mg/Kg		04/27/23 10:20	04/28/23 14:28	1

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

Lab Sample ID: LCS 180-433565/2-A
Matrix: Solid
Analysis Batch: 433778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 433565

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.417	0.380		mg/Kg		91	80 - 120		

Lab Sample ID: 180-154808-18 MS
Matrix: Solid
Analysis Batch: 433778

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 433565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	220		0.176	173	4	mg/Kg	☼	-2854 0	80 - 120		

Lab Sample ID: 180-154808-18 MSD
Matrix: Solid
Analysis Batch: 433778

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA
Prep Batch: 433565

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	220		0.176	181	4	mg/Kg	☼	-2386 0	80 - 120	5	20

Method: 2540G - SM 2540G

Lab Sample ID: 180-154808-18 DU
Matrix: Solid
Analysis Batch: 431995

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.7			6.8		%				0.5	10
Percent Solids	93.3			93.2		%				0	10

GC/MS VOA

Analysis Batch: 432752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 8260C	432800
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 8260C	432800
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 8260C	432800
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 8260C	432800
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 8260C	432800
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 8260C	432800
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 8260C	432800
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 8260C	432800
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 8260C	432800
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 8260C	432800
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 8260C	432800
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 8260C	432800
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 8260C	432800
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 8260C	432800
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 8260C	432800
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 8260C	432800
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	EPA 8260C	432800
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8260C	432800
MB 180-432752/8	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-432752/4	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-432752/6	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8260C	432800
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8260C	432800

Prep Batch: 432800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	5035	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	5035	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	5035	
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	5035	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	5035	
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	5035	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	5035	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	5035	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	5035	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	5035	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	5035	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	5035	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	5035	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	5035	
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	5035	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	5035	
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	5035	
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	5035	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	5035	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	5035	

Analysis Batch: 432856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	EPA 8260C	432910
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	EPA 8260C	432910

GC/MS VOA (Continued)

Analysis Batch: 432856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-432856/7	Method Blank	Total/NA	Solid	EPA 8260C	
LCS 180-432856/3	Lab Control Sample	Total/NA	Solid	EPA 8260C	
LCSD 180-432856/4	Lab Control Sample Dup	Total/NA	Solid	EPA 8260C	

Prep Batch: 432910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	5035	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 432388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	3541	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	3541	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	3541	
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	3541	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	3541	
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	3541	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	3541	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	3541	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	3541	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	3541	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	3541	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	3541	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	3541	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	3541	
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	3541	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	3541	
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	3541	
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	3541	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	3541	
MB 180-432388/1-A	Method Blank	Total/NA	Solid	3541	
LCS 180-432388/2-A	Lab Control Sample	Total/NA	Solid	3541	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	

Analysis Batch: 432402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 8270D	432388
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 8270D	432388
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 8270D	432388
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 8270D	432388
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 8270D	432388
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 8270D	432388
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 8270D	432388
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 8270D	432388
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 8270D	432388
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 8270D	432388
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 8270D	432388

GC/MS Semi VOA (Continued)

Analysis Batch: 432402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 8270D	432388
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 8270D	432388
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 8270D	432388
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 8270D	432388
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 8270D	432388
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	EPA 8270D	432388
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8270D	432388
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	EPA 8270D	432388
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	EPA 8270D	432388
MB 180-432388/1-A	Method Blank	Total/NA	Solid	EPA 8270D	432388
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8270D	432388
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8270D	432388

Analysis Batch: 432494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-432388/2-A	Lab Control Sample	Total/NA	Solid	EPA 8270D	432388

GC Semi VOA

Prep Batch: 432210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	3541	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	3541	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	3541	
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	3541	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	3541	
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	3541	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	3541	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	3541	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	3541	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	3541	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	3541	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	3541	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	3541	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	3541	
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	3541	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	3541	
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	3541	
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	3541	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	3541	
MB 180-432210/1-C	Method Blank	Total/NA	Solid	3541	
LCS 180-432210/2-C	Lab Control Sample	Total/NA	Solid	3541	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3541	

Cleanup Batch: 432277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	3665A	432210
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	3665A	432210
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	3665A	432210

GC Semi VOA (Continued)

Cleanup Batch: 432277 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	3665A	432210
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	3665A	432210
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	3665A	432210
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	3665A	432210
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	3665A	432210
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	3665A	432210
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	3665A	432210
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	3665A	432210
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	3665A	432210
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	3665A	432210
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	3665A	432210
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	3665A	432210
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	3665A	432210
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	3665A	432210
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3665A	432210
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	3665A	432210
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	3665A	432210
MB 180-432210/1-C	Method Blank	Total/NA	Solid	3665A	432210
LCS 180-432210/2-C	Lab Control Sample	Total/NA	Solid	3665A	432210
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3665A	432210
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3665A	432210

Cleanup Batch: 432278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	3660B	432277
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	3660B	432277
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	3660B	432277
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	3660B	432277
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	3660B	432277
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	3660B	432277
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	3660B	432277
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	3660B	432277
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	3660B	432277
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	3660B	432277
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	3660B	432277
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	3660B	432277
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	3660B	432277
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	3660B	432277
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	3660B	432277
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	3660B	432277
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	3660B	432277
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3660B	432277
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	3660B	432277
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	3660B	432277
MB 180-432210/1-C	Method Blank	Total/NA	Solid	3660B	432277
LCS 180-432210/2-C	Lab Control Sample	Total/NA	Solid	3660B	432277
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3660B	432277
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3660B	432277

GC Semi VOA

Analysis Batch: 432577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 8082A	432278
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 8082A	432278
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 8082A	432278
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 8082A	432278
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 8082A	432278
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 8082A	432278
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 8082A	432278
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 8082A	432278
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 8082A	432278
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 8082A	432278
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 8082A	432278
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 8082A	432278
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 8082A	432278
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 8082A	432278
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 8082A	432278
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 8082A	432278
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	EPA 8082A	432278
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8082A	432278
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	EPA 8082A	432278
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	EPA 8082A	432278
MB 180-432210/1-C	Method Blank	Total/NA	Solid	EPA 8082A	432278
LCS 180-432210/2-C	Lab Control Sample	Total/NA	Solid	EPA 8082A	432278
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8082A	432278
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 8082A	432278

Metals

Prep Batch: 432225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	
MB 180-432225/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432225/2-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	

Prep Batch: 432524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	3050B	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	3050B	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	3050B	
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	3050B	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	3050B	
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	3050B	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	3050B	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	3050B	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	3050B	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	3050B	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	3050B	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	3050B	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	3050B	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 432524 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	3050B	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	3050B	
MB 180-432524/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-432524/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 433149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 6010C	432524
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 6010C	432524
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 6010C	432524
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 6010C	432524
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 6010C	432524
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 6010C	432524
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 6010C	432524
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 6010C	432524
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 6010C	432524
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
MB 180-432524/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432524
LCS 180-432524/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432524

Analysis Batch: 433389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	432225
MB 180-432225/1-A	Method Blank	Total/NA	Solid	EPA 6010C	432225
LCS 180-432225/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	432225
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	432225
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	432225

Analysis Batch: 433520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 6010C	432524
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 6010C	432524
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 6010C	432524
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 6010C	432524
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 6010C	432524
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 6010C	432524
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 6010C	432524
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 6010C	432524
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 6010C	432524
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 6010C	432524
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 6010C	432524

Metals (Continued)

Analysis Batch: 433520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 6010C	432524
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 6010C	432524
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 6010C	432524

Prep Batch: 433565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	7471B	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	7471B	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	7471B	
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	7471B	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	7471B	
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	7471B	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	7471B	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	7471B	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	7471B	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	7471B	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	7471B	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	7471B	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	7471B	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	7471B	
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	7471B	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	7471B	
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	7471B	
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	7471B	
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	7471B	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	7471B	
MB 180-433565/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 180-433565/2-A	Lab Control Sample	Total/NA	Solid	7471B	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	7471B	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	7471B	

Analysis Batch: 433778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	EPA 7471B	433565
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	EPA 7471B	433565
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	EPA 7471B	433565
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	EPA 7471B	433565
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	EPA 7471B	433565
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	EPA 7471B	433565
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	EPA 7471B	433565
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	EPA 7471B	433565
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	EPA 7471B	433565
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	EPA 7471B	433565
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	EPA 7471B	433565
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	EPA 7471B	433565
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	EPA 7471B	433565
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	EPA 7471B	433565
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	EPA 7471B	433565
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	EPA 7471B	433565
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	EPA 7471B	433565
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 7471B	433565

Metals (Continued)

Analysis Batch: 433778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	EPA 7471B	433565
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	EPA 7471B	433565
MB 180-433565/1-A	Method Blank	Total/NA	Solid	EPA 7471B	433565
LCS 180-433565/2-A	Lab Control Sample	Total/NA	Solid	EPA 7471B	433565
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 7471B	433565
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 7471B	433565

Prep Batch: 433882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	3050B	
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	3050B	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	3050B	
MB 180-433882/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-433882/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 433889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	
MB 180-433889/7-A	Method Blank	Total/NA	Solid	3050B	
LCS 180-433889/8-A	Lab Control Sample	Total/NA	Solid	3050B	
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	3050B	

Analysis Batch: 434151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	433889
MB 180-433889/7-A	Method Blank	Total/NA	Solid	EPA 6010C	433889
LCS 180-433889/8-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	433889
180-154808-18 MS	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	433889
180-154808-18 MSD	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	EPA 6010C	433889

Analysis Batch: 434202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	EPA 6010C	433882
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	EPA 6010C	433882
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	EPA 6010C	433882
MB 180-433882/1-A	Method Blank	Total/NA	Solid	EPA 6010C	433882
LCS 180-433882/2-A	Lab Control Sample	Total/NA	Solid	EPA 6010C	433882

General Chemistry

Analysis Batch: 431992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-1	SSHS-IRM5A2-SCV44-0.75-1.75	Total/NA	Solid	2540G	
180-154808-2	SSHS-IRM5A2-SCV45-0-0.17	Total/NA	Solid	2540G	
180-154808-3	SSHS-IRM5A2-SCV45-0.17-0.92	Total/NA	Solid	2540G	

Analysis Batch: 431995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-4	SSHS-IRM5A2-SCV45-0.92-1.92	Total/NA	Solid	2540G	
180-154808-5	SSHS-IRM5A2-SCV46-0-0.17	Total/NA	Solid	2540G	

General Chemistry (Continued)

Analysis Batch: 431995 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-154808-6	SSHS-IRM5A2-SCV-DUP16	Total/NA	Solid	2540G	
180-154808-7	SSHS-IRM5A2-SCV46-0.17-0.83	Total/NA	Solid	2540G	
180-154808-8	SSHS-IRM5A2-SCV46-0.83-1.83	Total/NA	Solid	2540G	
180-154808-9	SSHS-IRM5A2-SCV47-0-0.17	Total/NA	Solid	2540G	
180-154808-10	SSHS-IRM5A2-SCV47-0.17-0.75	Total/NA	Solid	2540G	
180-154808-11	SSHS-IRM5A2-SCV47-0.75-1.75	Total/NA	Solid	2540G	
180-154808-12	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	2540G	
180-154808-13	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	2540G	
180-154808-14	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	2540G	
180-154808-15	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	2540G	
180-154808-16	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	2540G	
180-154808-17	SSHS-IRM5A2-SCV-DUP17	Total/NA	Solid	2540G	
180-154808-18	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	2540G	
180-154808-19	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	2540G	
180-154808-20	SSHS-IRM5A2-SCV51-0-0.50	Total/NA	Solid	2540G	
180-154808-18 DU	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	2540G	

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

Chain of Custody Record

[redacted] eurofins Environment Testing TestAmerica

5/5/2023

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Mr. Aron Krasnopoler	M Stelmach 708-248-3888	Dunlap, David A E-Mail: david.dunlap@testamericainc.com		180-45857-9656.1 Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832I			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N	N	N	N	N								
SSHS-IRM5A2-SCV44-0.75-1.75	4/7/23	0900	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV45-0-0.17	4/7/23	0905	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV45-0.17-0.92	4/7/23	0910	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-SCV45-0.92-1.92	4/7/23	0915	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV46-0-0.17	4/7/23	0920	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV-DUP16	4/7/23	--	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV46-0.17-0.83	4/7/23	0925	G	S	N	N	X	X	X	X									16	
SSHS-IRM5A2-SCV46-0.83-1.83	4/7/23	0930	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-SCV47-0-0.17	4/7/23	0935	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV47-0.17-0.75	4/7/23	0940	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV47-0.75-1.75	4/7/23	0945	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV48-0-0.67	4/7/23	0950	G	S	N	N	X	X	X	X	X	X							8	

180-154808 Chain of Custody

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

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

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

Special Instructions/QC Requirements.

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

Relinquished by:	Date/Time	Company: Geosyntec	Received by:	Date/Time	Company
			[signature]	4-8-23 0835	EPI TAME
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

[redacted]

eurofins | Environment Testing TestAmerica

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
	M Stelmach	Dunlap, David A		180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail david.dunlap@testamericainc.com		Page Page 2 of 2
Company Geosyntec Consultants, Inc.				Job #

Address	Due Date Requested:
10211 Wincopin Circle 4th Floor	
City Columbia	TAT Requested (days): Standard
State, Zip MD, 21044	
Phone 40-381-4333	PO # MN0832I
Email akrasnopoler@geosyntec.com	WO #
Project Name Former Sperry Remington Site	Project # 18013464
Site	SSOW#

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS							Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N								
SSHS-IRM5A2-SCV48-0.67-1.67	4/7/23	0955	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV49-0-0.17	4/7/23	1000	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV49-0.17-0.75	4/7/23	1005	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV49-0.75-1.75	4/7/23	1010	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-SCV-DUP17	4/7/23	--	G	S	N	N	X	X	X	X	X	X							8	
SSHS-IRM5A2-SCV50-0-0.58	4/7/23	1015	G	S	N	Y	X	X	X	X									16	
SSHS-IRM5A2-SCV50-0.58-1.58	4/7/23	1020	G	S	N	N	X	X	X	X									6	
SSHS-IRM5A2-SCV51-0-0.50	4/7/23	1025	G	S	N	N	X	X	X	X	X	X							8	

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
		Geosyntec		4-8-23 0835	EPI TAME
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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

Ver 01/16/2019

5/5/2023

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

Chain of Custody Record

SCV Documentation COC1

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Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN08321			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

180-154808 Chain of Custody

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SSHS-IRM5A2-SCV44-0.75-1.75	4/7/23	0900	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV45-0-0.17	4/7/23	0905	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV45-0.17-0.92	4/7/23	0910	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-SCV45-0.92-1.92	4/7/23	0915	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV46-0-0.17	4/7/23	0920	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV-DUP16	4/7/23	--	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV46-0.17-0.83	4/7/23	0925	G	S	N	N	X	X	X	X										16	
SSHS-IRM5A2-SCV46-0.83-1.83	4/7/23	0930	G	S	N	N	X	X	X	X	X	X								8	
SSHS-IRM5A2-SCV47-0-0.17	4/7/23	0935	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV47-0.17-0.75	4/7/23	0940	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV47-0.75-1.75	4/7/23	0945	G	S	N	N	X	X	X	X										6	
SSHS-IRM5A2-SCV48-0-0.67	4/7/23	0950	G	S	N	N	X	X	X	X	X	X								8	

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

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by: Miranda Krasnopoler	Date/Time: 4/7/23 16:30	Company: Geosyntec	Received by: [signature]	Date/Time: 4-8-23 09:25	Company: FEDEX
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 117650 | Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 01/16/2019

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

Chain of Custody Record

SCV Documentation COC1

eurofins Environment Testing TestAmerica

Client Information	Sampler: M Stelmach	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 2 of 2
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): Standard			
State, Zip: MD, 21044	PO #: MN0832I			
Phone: 40-381-4333	WO #:			
Email: akrasnopoler@geosyntec.com				
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A - TCL PCBs	6010C, 7471B - TAL Metals/mercury	8260C VOCs	8270D, SVOCs	537.1 (mod.) - PFAS	537.1 (mod.) - SPLP-E, PFAS	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N		
SSHS-IRM5A2-SCV48-0.67-1.67	4/7/23	0955	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV49-0-0.17	4/7/23	1000	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV49-0.17-0.75	4/7/23	1005	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV49-0.75-1.75	4/7/23	1010	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV-DUP17	4/7/23	--	G	S	N	N	X	X	X	X	X	X	8	
SSHS-IRM5A2-SCV50-0-0.58	4/7/23	1015	G	S	N	Y	X	X	X	X			16	
SSHS-IRM5A2-SCV50-0.58-1.58	4/7/23	1020	G	S	N	N	X	X	X	X			6	
SSHS-IRM5A2-SCV51-0-0.50	4/7/23	1025	G	S	N	N	X	X	X	X	X	X	8	

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

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mercedes Krasnopoler	4/7/23 1630	Geosyntec	[illegible]	4-8-23 09:25	EETSAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 111650 | Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

Sacramento Sample Receiving Notes

180-154808 Field Sheet

Job: _____

Tracking # : 7717 4391 0812

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

GSO / OnTrac / Goldstreak / USPS / Other _____

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

Therm. ID: L-09 Corr. Factor: (+ / -) 0 °C

Ice ✓ Wet ✓ Gel _____ Other _____

Cooler Custody Seal: 1117650

Cooler ID: —

Temp Observed: 2.5 °C Corrected: 2.5 °C

From: Temp Blank ☑ Sample ☐

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

Initials: NC Date: 4-8-23

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

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

Initials: NC Date: 4-8-23

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☑	☐	☐
Samples received within hold time?	☑	☐	☐
NCM Filed?	☐	☐	☑
Log Release checked in TALS?	☑	☐	☑ NC 4-8-23

Initials: NC Date: 4-8-23

WR HB

Login Sample Receipt Checklist

Client: Geosyntec Consultants Inc

Job Number: 180-154808-1

Login Number: 154808
List Number: 1
Creator: Dunlap, David A

List Source: Eurofins Pittsburgh

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

Attachment 2

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/7/2023 6:56:11 PM

JOB DESCRIPTION

Former Sperry Remington-Confirmation-Elemental Hg

JOB NUMBER

180-159727-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

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

PA Lab ID: 02-00416

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

Authorization



Generated
8/7/2023 6:56:11 PM

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

Table of Contents

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Table of Contents 3
Case Narrative 4
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Certification Summary 6
Sample Summary 7
Method Summary 8
Lab Chronicle 9
Client Sample Results 14
QC Sample Results 18
QC Association Summary 19
Chain of Custody 21

Job ID: 180-159727-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-159727-1

Receipt
The samples were received on 7/24/2023 at the Eurofins Seattle, WA laboratory; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was -0.3º C.

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

Definitions/Glossary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Laboratory: Eurofins Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-25
ANAB	Dept. of Defense ELAP	L2236	01-19-25
ANAB	Dept. of Energy	L2236	01-19-25
ANAB	ISO/IEC 17025	L2236	01-19-25
California	State	2954	07-07-23 *
Florida	NELAP	E87575	06-30-23 *
Louisiana (All)	NELAP	03073	07-01-24
Maine	State	WA01273	05-02-24
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-24
New York	NELAP	11662	03-31-24
Oregon	NELAP	4167	07-07-23 *
US Fish & Wildlife	US Federal Programs	A20571	06-30-23 *
USDA	US Federal Programs	525-23-4-22573	01-04-26
Washington	State	C788	07-13-23 *
Wisconsin	State	399133460	08-31-23

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

Sample Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-159727-1	SSHS-IRM5A2-SCV48-0-0.67	Solid	07/21/23 14:30	07/24/23 09:36
180-159727-2	SSHS-IRM5A2-SCV48-0.67-1.67	Solid	07/21/23 14:35	07/24/23 09:36
180-159727-3	SSHS-IRM5A2-SCV49-0-0.17	Solid	07/21/23 14:40	07/24/23 09:36
180-159727-4	SSHS-IRM5A2-SCV49-0.17-0.75	Solid	07/21/23 14:45	07/24/23 09:36
180-159727-5	SSHS-IRM5A2-SCV49-0.75-1.75	Solid	07/21/23 14:50	07/24/23 09:36
180-159727-6	SSHS-IRM5A2-SCV50-0-0.58	Solid	07/21/23 14:55	07/24/23 09:36
180-159727-7	SSHS-IRM5A2-SCV50-0.58-1.58	Solid	07/21/23 15:00	07/24/23 09:36
180-159727-8	SSHS-IRM5A2-SCV51-0-0.5	Solid	07/21/23 15:05	07/24/23 09:36
180-159727-9	SSHS-IRM5A2-SCV51-0.5-1.5	Solid	07/21/23 15:10	07/24/23 09:36
180-159727-10	SSHS-IRM5A2-DUP 072123	Solid	07/21/23 00:00	07/24/23 09:36

Method Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Method	Method Description	Protocol	Laboratory
1631B	Mercury, Low Level (CVAFS)	EPA	EET SEA
Moisture - 2540	Percent Moisture	SM	EET SEA
30B	Preparation, Mercury (Carbon Sorbent Traps)	EPA	EET SEA
PEG Prep	Purge and Trap	EPA	EET SEA

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa Hg

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-159727-1
Date Collected: 07/21/23 14:30
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-159727-1
Date Collected: 07/21/23 14:30
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5123 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5123 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 15:58	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-159727-2
Date Collected: 07/21/23 14:35
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-159727-2
Date Collected: 07/21/23 14:35
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5208 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5208 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:02	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-159727-3
Date Collected: 07/21/23 14:40
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-159727-3
Date Collected: 07/21/23 14:40
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5018 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5018 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:10	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-159727-4
Date Collected: 07/21/23 14:45
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-159727-4
Date Collected: 07/21/23 14:45
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5097 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5097 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:14	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Lab Sample ID: 180-159727-5
Date Collected: 07/21/23 14:50
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Lab Sample ID: 180-159727-5
Date Collected: 07/21/23 14:50
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5257 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5257 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 13:24	CL	EET SEA
	Instrument ID: 2600-3									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Lab Sample ID: 180-159727-6
Date Collected: 07/21/23 14:55
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Lab Sample ID: 180-159727-6
Date Collected: 07/21/23 14:55
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5253 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5253 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:19	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Lab Sample ID: 180-159727-7
Date Collected: 07/21/23 15:00
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Lab Sample ID: 180-159727-7
Date Collected: 07/21/23 15:00
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5166 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5166 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:23	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.5
Lab Sample ID: 180-159727-8
Date Collected: 07/21/23 15:05
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa Hg

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.5
Lab Sample ID: 180-159727-8
Date Collected: 07/21/23 15:05
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5183 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5183 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 13:29	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-SCV51-0.5-1.5
Lab Sample ID: 180-159727-9
Date Collected: 07/21/23 15:10
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-SCV51-0.5-1.5
Lab Sample ID: 180-159727-9
Date Collected: 07/21/23 15:10
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5170 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5170 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:27	CL	EET SEA
	Instrument ID: 2600-3									

Client Sample ID: SSHS-IRM5A2-DUP 072123
Lab Sample ID: 180-159727-10
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/24/23 09:36

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			433743	08/04/23 12:06	CL	EET SEA
	Instrument ID: NOEQUIP									

Client Sample ID: SSHS-IRM5A2-DUP 072123
Lab Sample ID: 180-159727-10
Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PEG Prep			2.5108 g	40 mL	433477	08/02/23 09:56	CL	EET SEA
Total/NA	Prep	30B			2.5108 g	40 mL	433939	08/03/23 08:30	CL	EET SEA
Total/NA	Analysis	1631B		100			433929	08/04/23 16:31	CL	EET SEA
	Instrument ID: 2600-3									

Laboratory References:
EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Lab Chronicle

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Analyst References:

Lab: EET SEA

Batch Type: Prep

CL = Carsten Lao

Batch Type: Analysis

CL = Carsten Lao

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-159727-1
Date Collected: 07/21/23 14:30
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	11		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	89		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV48-0-0.67
Lab Sample ID: 180-159727-1
Date Collected: 07/21/23 14:30
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 89.1

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	ND		4.5	0.15	ng/g	☼	08/02/23 09:56	08/04/23 15:58	100

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-159727-2
Date Collected: 07/21/23 14:35
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	12		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	88		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Lab Sample ID: 180-159727-2
Date Collected: 07/21/23 14:35
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 88.5

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	ND		4.5	0.15	ng/g	☼	08/02/23 09:56	08/04/23 16:02	100

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-159727-3
Date Collected: 07/21/23 14:40
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	18		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	82		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV49-0-0.17
Lab Sample ID: 180-159727-3
Date Collected: 07/21/23 14:40
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 82.0

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	9.7	B	4.9	0.17	ng/g	☼	08/02/23 09:56	08/04/23 16:10	100

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-159727-4
Date Collected: 07/21/23 14:45
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	7.2		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	93		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Lab Sample ID: 180-159727-4
Date Collected: 07/21/23 14:45
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 92.8

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.36	J B	4.3	0.15	ng/g	☼	08/02/23 09:56	08/04/23 16:14	100

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Lab Sample ID: 180-159727-5
Date Collected: 07/21/23 14:50
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	8.2		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	92		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV49-0.75-1.75
Lab Sample ID: 180-159727-5
Date Collected: 07/21/23 14:50
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 91.8

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.61	J B	4.3	0.15	ng/g	☼	08/02/23 09:56	08/04/23 13:24	100

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Lab Sample ID: 180-159727-6
Date Collected: 07/21/23 14:55
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	5.4		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	95		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV50-0-0.58
Lab Sample ID: 180-159727-6
Date Collected: 07/21/23 14:55
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 94.6

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	12	B	4.2	0.14	ng/g	☼	08/02/23 09:56	08/04/23 16:19	100

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Lab Sample ID: 180-159727-7
Date Collected: 07/21/23 15:00
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	9.5		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	91		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV50-0.58-1.58
Lab Sample ID: 180-159727-7
Date Collected: 07/21/23 15:00
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 90.5

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	ND		4.4	0.15	ng/g	☼	08/02/23 09:56	08/04/23 16:23	100

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.5
Lab Sample ID: 180-159727-8
Date Collected: 07/21/23 15:05
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	17		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	83		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV51-0-0.5
Lab Sample ID: 180-159727-8
Date Collected: 07/21/23 15:05
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 83.0

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	ND		4.8	0.16	ng/g	☼	08/02/23 09:56	08/04/23 13:29	100

Client Sample ID: SSHS-IRM5A2-SCV51-0.5-1.5
Lab Sample ID: 180-159727-9
Date Collected: 07/21/23 15:10
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	15		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	85		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-SCV51-0.5-1.5
Lab Sample ID: 180-159727-9
Date Collected: 07/21/23 15:10
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 84.8

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.21	J B	4.7	0.16	ng/g	☼	08/02/23 09:56	08/04/23 16:27	100

Client Sample Results

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Client Sample ID: SSHS-IRM5A2-DUP 072123
Lab Sample ID: 180-159727-10

Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/24/23 09:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (SM Moisture - 2540)	17		0.10	0.10	%			08/04/23 12:06	1
Percent Solids (SM Moisture - 2540)	83		0.10	0.10	%			08/04/23 12:06	1

Client Sample ID: SSHS-IRM5A2-DUP 072123
Lab Sample ID: 180-159727-10

Date Collected: 07/21/23 00:00
Matrix: Solid
Date Received: 07/24/23 09:36
Percent Solids: 83.2

Method: EPA 1631B - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	ND		4.8	0.16	ng/g	☼	08/02/23 09:56	08/04/23 16:31	100

Method: 1631B - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 580-433477/1-C
Matrix: Solid
Analysis Batch: 433929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.692	J	4.0	0.14	ng/g		08/02/23 09:56	08/04/23 14:39	100

Lab Sample ID: MB 580-433477/2-C
Matrix: Solid
Analysis Batch: 433929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.435	J	4.0	0.14	ng/g		08/02/23 09:56	08/04/23 14:43	100

Lab Sample ID: MB 580-433477/3-C
Matrix: Solid
Analysis Batch: 433929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 433477

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Elemental Mercury	0.853	J	4.0	0.14	ng/g		08/02/23 09:56	08/04/23 14:47	100

Lab Sample ID: 180-159727-2 DU
Matrix: Solid
Analysis Batch: 433929

Client Sample ID: SSHS-IRM5A2-SCV48-0.67-1.67
Prep Type: Total/NA
Prep Batch: 433477

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Elemental Mercury	ND		ND		ng/g	☼	NC	24

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: 180-159727-4 DU
Matrix: Solid
Analysis Batch: 433743

Client Sample ID: SSHS-IRM5A2-SCV49-0.17-0.75
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.2		7.1		%		1	20
Percent Solids	93		93		%		0.07	20

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

Metals

Prep Batch: 433477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159727-1	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	PEG Prep	
180-159727-2	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	PEG Prep	
180-159727-3	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	PEG Prep	
180-159727-4	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	PEG Prep	
180-159727-5	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	PEG Prep	
180-159727-6	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	PEG Prep	
180-159727-7	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	PEG Prep	
180-159727-8	SSHS-IRM5A2-SCV51-0-0.5	Total/NA	Solid	PEG Prep	
180-159727-9	SSHS-IRM5A2-SCV51-0.5-1.5	Total/NA	Solid	PEG Prep	
180-159727-10	SSHS-IRM5A2-DUP 072123	Total/NA	Solid	PEG Prep	
MB 580-433477/1-C	Method Blank	Total/NA	Solid	PEG Prep	
MB 580-433477/2-C	Method Blank	Total/NA	Solid	PEG Prep	
MB 580-433477/3-C	Method Blank	Total/NA	Solid	PEG Prep	
180-159727-2 DU	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	PEG Prep	

Analysis Batch: 433929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159727-1	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	1631B	433939
180-159727-2	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	1631B	433939
180-159727-3	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	1631B	433939
180-159727-4	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	1631B	433939
180-159727-5	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	1631B	433939
180-159727-6	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	1631B	433939
180-159727-7	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	1631B	433939
180-159727-8	SSHS-IRM5A2-SCV51-0-0.5	Total/NA	Solid	1631B	433939
180-159727-9	SSHS-IRM5A2-SCV51-0.5-1.5	Total/NA	Solid	1631B	433939
180-159727-10	SSHS-IRM5A2-DUP 072123	Total/NA	Solid	1631B	433939
MB 580-433477/1-C	Method Blank	Total/NA	Solid	1631B	433939
MB 580-433477/2-C	Method Blank	Total/NA	Solid	1631B	433939
MB 580-433477/3-C	Method Blank	Total/NA	Solid	1631B	433939
180-159727-2 DU	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	1631B	433939

Prep Batch: 433939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159727-1	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	30B	433477
180-159727-2	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	30B	433477
180-159727-3	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	30B	433477
180-159727-4	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	30B	433477
180-159727-5	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	30B	433477
180-159727-6	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	30B	433477
180-159727-7	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	30B	433477
180-159727-8	SSHS-IRM5A2-SCV51-0-0.5	Total/NA	Solid	30B	433477
180-159727-9	SSHS-IRM5A2-SCV51-0.5-1.5	Total/NA	Solid	30B	433477
180-159727-10	SSHS-IRM5A2-DUP 072123	Total/NA	Solid	30B	433477
MB 580-433477/1-C	Method Blank	Total/NA	Solid	30B	433477
MB 580-433477/2-C	Method Blank	Total/NA	Solid	30B	433477
MB 580-433477/3-C	Method Blank	Total/NA	Solid	30B	433477
180-159727-2 DU	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	30B	433477

QC Association Summary

Client: Geosyntec Consultants Inc
Job ID: 180-159727-1
Project/Site: Former Sperry Remington-Confirmation-Elementa
Hg

General Chemistry

Analysis Batch: 433743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-159727-1	SSHS-IRM5A2-SCV48-0-0.67	Total/NA	Solid	Moisture - 2540	
180-159727-2	SSHS-IRM5A2-SCV48-0.67-1.67	Total/NA	Solid	Moisture - 2540	
180-159727-3	SSHS-IRM5A2-SCV49-0-0.17	Total/NA	Solid	Moisture - 2540	
180-159727-4	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	Moisture - 2540	
180-159727-5	SSHS-IRM5A2-SCV49-0.75-1.75	Total/NA	Solid	Moisture - 2540	
180-159727-6	SSHS-IRM5A2-SCV50-0-0.58	Total/NA	Solid	Moisture - 2540	
180-159727-7	SSHS-IRM5A2-SCV50-0.58-1.58	Total/NA	Solid	Moisture - 2540	
180-159727-8	SSHS-IRM5A2-SCV51-0-0.5	Total/NA	Solid	Moisture - 2540	
180-159727-9	SSHS-IRM5A2-SCV51-0.5-1.5	Total/NA	Solid	Moisture - 2540	
180-159727-10	SSHS-IRM5A2-DUP 072123	Total/NA	Solid	Moisture - 2540	
180-159727-4 DU	SSHS-IRM5A2-SCV49-0.17-0.75	Total/NA	Solid	Moisture - 2540	

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

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: Z MILLER	Lab PM: Dunlap, David A	Carrier Tracking No(s):	COC No: 180-45857-9656.1
Client Contact: Mr. Aron Krasnopoler	708-248-3888	E-Mail: david.dunlap@testamericainc.com		Page: Page 1 of 1
Company: Geosyntec Consultants, Inc.				Job #:
Address: 10211 Wincopin Circle 4th Floor	Due Date Requested:			
City: Columbia	TAT Requested (days): 10-Day			
State, Zip: MD, 21044				
Phone: 40-381-4333	PO #: MN0832L			
Email: akrasnopoler@geosyntec.com	WO #:			
Project Name: Former Sperry Remington Site	Project #: 18013464			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

180-159727 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1631B mod-Ele	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SSHS-IRM5A2-SCV48-0-0.67	7/21/23	1430	G	S	N	N	X	1	Pittsburgh will log samples as a 180 login
SSHS-IRM5A2-SCV48-0.67-1.67	7/21/23	1435	G	S	N	N	X	1	
SSHS-IRM5A2-SCV49-0-0.17	7/21/23	1440	G	S	N	N	X	1	
SSHS-IRM5A2-SCV49-0.17-0.75	7/21/23	1445	G	S	N	N	X	1	
SSHS-IRM5A2-SCV49-0.75-1.75	7/21/23	1450	G	S	N	N	X	1	
SSHS-IRM5A2-SCV50-0-0.58	7/21/23	1455	G	S	N	N	X	1	
SSHS-IRM5A2-SCV50-0.58-1.58	7/21/23	1500	G	S	N	N	X	1	
SSHS-IRM5A2-SCV51-0-0.5	7/21/23	1505	G	S	N	N	X	1	7728 0987 6129
SSHS-IRM5A2-SCV51-0.5-1.5	7/21/23	1510	G	S	N	N	X	1	
SSHS-IRM5A2-DUP 072123	7/21/23	-	G	S	N	N	X	1	4 Blue

Therm. ID: Dig 3 Cust. Seal: (Y) N
Uncorr./Corr. Temp: 2.1 / 1.8 °C
Delivery: UPS / FedEx / Other: ____
Ice Type: Blue / Dry / Wet / None
Label Ver.: ____ Packing: b

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

Sample Disposal (A fee may be assessed if samples ☐ Return To Client ☐ Disposal By Lab

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Zach Miller	7/21/23 16:30	Geosyntec		7/24/23 9:30	EPS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

180-159727 p. 1/3

Attachment 3

Geosyntec
consultants

SPENCER J. WASHBURN, PH.D.

environmental isotope forensics
geochemistry
data analysis and visualization
site characterization and remediation

EDUCATION

Ph.D., Earth and Environmental Sciences, University of Michigan, Ann Arbor, Michigan, 2018
B.S., Environmental Science, University of Chicago, Chicago, Illinois, 2013
B.A., Chemistry, University of Chicago, Chicago, Illinois, 2013

CAREER SUMMARY

Dr. Washburn is an environmental geochemist at the Minneapolis, Minnesota office with 9 years of experience in trace metal biogeochemistry, with a particular focus on mercury cycling. His technical background includes expertise in stable isotope measurements and mass spectrometry, as well as a wide range of environmental geochemical analyses. Dr. Washburn's graduate school research focused on using mercury stable isotopes to trace biogeochemical pathways within aquatic and natural gas systems, and his post graduate research focused on the development and validation of a passive sampler for methylmercury within sediment porewaters, and on understanding the environmental controls on fluvial periphyton composition and effects on aquatic mercury cycling. He utilizes this academic and research background to support a diverse range of projects.

Notable Projects

Development of a Passive Sampler for Sediment Porewater Methylmercury, *Smithsonian Environmental Research Center.* Dr. Washburn participated in the research, development, and validation of a novel polymer material capable of providing accurate estimates of porewater methylmercury concentrations within sediments. Porewater methylmercury has been identified as a critical bioavailable source of mercury in aquatic settings, however the collection accurate concentration data presents numerous challenges that can be ameliorated with the use of passive sampling techniques. Validation efforts by Dr. Washburn of the novel polymer material included extensive laboratory microcosm experiments and multiple field deployment demonstrations.

Mercury TMDL Implementation Plan Support, *Confidential Client*. Dr. Washburn is developing an Implementation Plan to satisfy a reservoir management agencies compliance requirements under the Oregon Hg TMDL requirements. This includes the creation of a conceptual site model for Hg transport within multiple reservoirs, and preparation of a detailed mercury monitoring program to satisfy regulatory requirements.

Geosyntec consultants

PROFESSIONAL EXPERIENCE

Geosyntec Consultants, Minneapolis, MN, 2022-present
Oak Ridge National Laboratory, Oak Ridge, Tennessee, 2020-2022
Smithsonian Environmental Research Center, Edgewater, Maryland, 2018-2020
The University of Michigan, Ann Arbor, Michigan, 2013-2018

AWARDS AND RECOGNITIONS

John Dorr Graduate Academic Achievement Award - Dissertation Title "Mercury Stable Isotopes as Tracers in Environmental Systems: Applications to Aquatic and Natural Gas Systems", The University of Michigan - 2019

REPRESENTATIVE PUBLICATIONS

22-1 **Washburn, S.J**., Damond, J., Sanders, J.P., Gilmour, C.C., Ghosh, U. Uptake Mechanisms of a Novel, Activated Carbon-Based Equilibrium Passive Sampler for Estimating Porewater Methylmercury. *Environmental Toxicology and Chemistry*. **2022** DOI: 10.1002/etc.5406

22-2 Yang, Y.H., Kwon, S.Y., Tsui, M.K., Motta, L., **Washburn, S.J.**, Park, J., Kim, M., Shin, K-H. Ecological Traits of Fish for Mercury Biomonitoring: Insights from Compound-Specific Nitrogen and Stable Mercury Isotopes. *Environ. Sci. Technol.* **2022**. DOI: 10.1021/acs.est.2c02532

22-3 Motta Medina, L., Blum, J.D., Popp, B.N., Umhau, B., Benitez-Nelson, C., Close, H., **Washburn, S.J.**, Drazen, J.. Mercury Isotopic Evidence for the Importance of Particles as a Source of Mercury to Marine Organisms. *PNAS.* **2022**. DOI: 10.1073/pnas.2208183119

20-1 **Washburn, S.J.**, Blum, J.D., Motta Medina, L., Bergquist, B.A., Weiss-Penzias, P. Isotopic Composition of Hg in Fogwaters of Coastal California. *Environ. Sci. Technol. Letters*. **2020** DOI: 10.1021/acs.estlett.0c00716

20-2 Sanders, J.P., McBurney, A., Gilmour, C.C., Schwartz, G. E., **Washburn, S.J.**, Kane Driscoll, S.D., Brown, S.S., Ghosh, U. Development of a novel equilibrium passive sampling device for methylmercury in sediment and soil porewaters. *Environmental Toxicology and Chemistry*. **2020.** DOI: 10.1002/etc.4631

19-1 **Washburn, S.J.**, Blum, J.D., Donovan, P.M., Singer, M.D. Isotopic Evidence for Mercury Photoreduction and Retention on Particles in Surface Waters of Central California, USA. *Science of the Total Environment.* **2019.** DOI: 10.1016/j.scitotenv.2019.04.145

19-2 Meyer, K.W., Petersen, S.V., Lohmann, K.C., Blum, J.D., **Washburn, S.J.**, Johnson, M.W., Gleason, J.D., Kurz, A.Y., Winkelstern, I.Z. Biogenic Carbonate Mercury and

Marine Temperature Records Reveal Global Influence of Late Cretaceous Deccan Traps. *Nature Communications*. **2019.** DOI: 10.1038/s41467-019-13366-0

19-3 Motta Medina, L., Blum, J.D., Johnson, M.J., Umhau, B., Popp, B.N., **Washburn, S.J.**, Drazen, J., Benitez-Nelson, C., Hannides, C., Close, H., Lamborg, C. Mercury Cycling in the North Pacific Subtropical Gyre as Revealed by Mercury Stable Isotope Ratios. *Global Biogeochemical Cycles*. **2019.** DOI: 10.1029/2018GB006057

19-4 Kurz, A.Y., Blum, J.D., **Washburn, S.J.**, Baskaran, M. Changes in the Mercury Isotopic Composition of Precipitation as Derived from Sediments in a Remote Alpine Lake in Wyoming, USA. *Science of the Total Environment.* **2019.** DOI: 10.1016/j.scitotenv.2019.03.165

18-1 **Washburn, S.J.**, Blum, J.D., Kurz, A.Y., Pizzuto, J.E. Spatial and Temporal Variation in the Isotopic Composition of Mercury in the South River, Virginia. *Chemical Geology.* **2018**. DOI: 10.1016/j.chemgeo.2018.07.023

18-2 **Washburn, S.J.**, Blum, J.D., Johnson, M.W., Tomes, J.M., Carnell, P.J. Isotopic Characterization of Mercury in Natural Gas via Analysis of Mercury Removal Unit Catalysts. *ACS Earth Space Chem.* **2018.** DOI: 10.1021/acsearthspacechem.7b00118

17-1 **Washburn, S.J.**, Blum, J.D., Demers, J.D., Kurz, A.Y., Landis, R.C. Isotopic Characterization of Mercury Downstream of Historic Industrial Contamination in the South River, Virginia. *Environ. Sci. Technol.* **2017**. DOI: 10.1021/acs.est.7b02577

INVITED PRESENTATIONS

Washburn, S.J. (April, **2019).** Using Stable Hg Isotopes to Elucidate Hg Biogeochemical Cycling in Two California Rivers. *Invited Seminar Lecture*. UC Santa Cruz, Department of Earth and Planetary Science.

Rec'd 11/6/2023

Profile #30804 - Unisys
IRM 5A2 Phase 3 - Addendum 8

Geosyntec consultants

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

6 November 2023

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: Non-Hazardous Waste Determination, Addendum 8 Phase 3 Amendment #1
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018. From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high-speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soil from the Site. Soil excavated during IRM activities is stockpiled in 500-ton windrows (or pre-characterized prior to excavation when feasible) pending waste characterization and off-site transportation and disposal. Each waste characterization sample represents one stockpile, or 500 tons of material. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Results from IRM waste characterization sample SSHS-IRM5A2-A8PH3A1-WC-4-6, collected for waste characterization during IRM Addendum 8 Phase 3 Amendment #1 from 4 to 6 feet below ground surface, indicate the material in the associated composite locations contains TCLP tetrachloroethene (PCE) at a concentration of 0.093 milligrams per liter (mg/L) (J-flagged). Casella has requested documentation that this waste characterization sample is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Analytical results have been provided for this material (refer to Eurofins Environment Testing Lab Report 180-164572-1). The TCLP concentration of PCE is below the regulatory level for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the PCE is unknown, so it cannot be concluded how the source material was used for its solvent properties, that it was spent, or whether it was in the form of a commercial chemical product. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.(MD, NY)
B&B Engineers & Geologists of New York, P.C.

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☐ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 1399 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title: Project Manager
Phone: 651-212-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services, LP Keller
Billing Address: 9977 Sam Houston
City: Houston State: TX ZIP Code: 77064
Contact Name: Larry Endicott Title: Project Manager
Phone: (609) 357-8470 Fax: _____ Email: larry.endicott@keller-na.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologist of New York, PC
Contact Name: Aron Krasnopoler Title: Senior Engineer
Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity ☑ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): 500 ☑ Tons ☐ Cubic Yards ☐ Other: _____
Density of Waste (Approximate): 3,800 Pounds/Cubic Yard
Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____
Hauler Name: Multiple Haulers
Mailing Address: Various Addresses Phone: _____
Transporter Permit #: NYS Part 364 Permitted- Copies of Permits Provided (for State of Disposal)
Previous Disposal Facility (Name): Not Applicable
Application Was Submitted to/Approved by Another Disposal Facility (Name): Not Applicable

VI. Waste Stream Information

Common Waste Name: IRM5A2-Addendum 8 Phase 4
Location or Address of Waste Generation Site: 777 South Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Former Sperry Remington Site- North Portion (NYSDEC #c80 8022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 19 47-19 72. Manufacturing operations/features included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining and assembly of parts, plating, degreasing. Soil generated from the eastern property line under IRM5A2-Addendum 8 Phase 3, see attached Figures and Process Description

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Soil is uniform in nature with no detectable discoloration or odor. Waste includes soil and debris (concrete fragments and tree debris) Representative Soil Sample IDs are listed on the attached summary. See attached Process Description.

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☐ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☐ No

Reactive (per 40 CFR 261.23): ☐ Yes ☐ No

Free Liquids: ☐ Yes ☐ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☐ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☐ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☐ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☐ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☐ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Unisys has made a good faith effort to determine if the source of the contaminates through historical records review of relevant available documents (see waste determination). Unisys was unsuccessful in determining the specific source of the contaminants as listed wastes and therefore conclude the contaminated media is from an unknown source. Analytical data

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: 10/5/23

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab X Composite

Sample Source: X Boring(s) ____ Test Pit(s) ____ Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☒ TCLP RCRA 8 Metals
- ☒ TCLP Volatile Organic Compounds (VOCs)
- ☒ TCLP Semi-Volatile Organic Compounds (SVOCs)
- X ☐ TCLP Herbicides
- ☐ TCLP Pesticides
- ☒ Reactive Sulfide
- ☒ Reactive Cyanide
- ☒ Total PCBs
- ☒ % Solids (Moisture Content)
- ☒ Free Liquids (Paint Filter)
- ☒ Corrosivity by pH
- ☒ Ignitability / Flashpoint
- X See Generator Knowledge Statement in Lieu of Testing

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Based on generator knowledge, an analytical testing waiver for Herbicides and Pesticides is requested. These parameters are not constituents of concern for the soil included in this request. Analysis for herbicides and pesticides as part of remedial investigation activities in this area did not have detections that included characteristic waste. Therefore, waste characterization analysis for these parameters is not needed.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Friday, October 20, 2023 12:22 PM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Don Trego <DTrego@Geosyntec.com>; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Edward Lopez <edward.lopez@casella.com>; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: APPROVAL: #30989 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 4 Soil for ADC

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If you have any suspicion, please confirm with the sender verbally that this email is authentic. If you suspect fraud, click "Phish Alert Report."

Note To Customer: Approval for 500 tons of soil from sample locations included on attached Sample Location Plan represented by analytical data for IRM5A2-Addendum 8 Phase 4. All loads must be delivered with a manifest and include: waste description **[Contaminated Soil]**, Source Area [**IRM 5A2 Addendum 8 Phase 4 Areas H, I and J**], intended use [**ADC**] and Profile **[#30989]**

Profile #30989 – Approval for ADC (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Silverole Trucking LV Smith K&L Trucking KA Transport
Customer:	Remedial Construction Services (ReCon)

Material/Description:	Contaminated Soil from IRM5A2 Addendum 8 Phase 4 Area H, I and J
Classification:	Contaminated Soil / BUD-ADC
Quantity:	500 tons
County:	Chemung (NY)
Approval:	Karen Flanders
Expires:	**1/20/2024**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson
- NYSDEC Region 9 Approval Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

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Rec'd 10/20/2023 Profile #30989 - Unisys

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

20 October 2023

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: MSCOMP Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018. From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high-speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soil from the Site. Soil excavated during IRM activities is stockpiled in 500 ton windrows (or pre-characterized prior to excavation when feasible) pending waste characterization and off-site transportation and disposal. Each waste characterization sample represents one stockpile, or 500 tons of material. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Results from IRM waste characterization sample SSHS-IRM5A2-MSCOMP, collected in preparation for IRM Addendum 8, Phase 4, indicate the material in the associated composite locations contains TCLP tetrachloroethene (PCE) at a concentration of 0.0073 milligrams per liter (mg/L) (J-flagged). Casella has requested documentation that this waste characterization sample is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Analytical results have been provided for this material (refer to Eurofins Environment Testing Lab Report 180-163135-1). The TCLP concentration of PCE is below the regulatory level for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the PCE is unknown, so it cannot be concluded how the source material was used for its solvent properties, that it was spent, or whether it was in the form of a commercial chemical product. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.(MD, NY)
B&B Engineers & Geologists of New York, P.C.

31079 - Unisys (Rec' 3/21/2024)

Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☐ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☑ **New York:** Hyland (Angelica, NY)
- ☐ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation
Mailing Address: 1399 Pilot Knob Road
City: Eagan State: MN ZIP Code: 55121
Contact Name: Terry Etter Title: Project Manager
Phone: 651-212-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services, LP Keller
Billing Address: 9977 Sam Houston
City: Houston State: TX ZIP Code: 77064
Contact Name: Larry Endicott Title: Project Manager
Phone: (609) 357-8470 Fax: _____ Email: larry.endicott@keller-na.com

IV. Consultant/Representative

Company Name: B&B Engineers & Geologist of New York, PC
Contact Name: Aron Krasnopoler Title: Senior Engineer
Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity

1,000 tons TRE 3/20/24

☑ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): ~~500~~ ☑ Tons ☐ Cubic Yards ☐ Other: _____
Density of Waste (Approximate): 3,800 Pounds/Cubic Yard
Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☑ Tractor Trailer ☐ Vac Truck ☐ Other: _____
Hauler Name: Multiple Haulers
Mailing Address: Various Addresses Phone: _____
Transporter Permit #: NYS Part 364 Permitted- Copies of Permits Provided (for State of Disposal)
Previous Disposal Facility (Name): Not Applicable
Application Was Submitted to/Approved by Another Disposal Facility (Name): Not Applicable

VI. Waste Stream Information

Phase 6 and Phase 7

Common Waste Name: IRM5A2-Addendum 8 Phase 5
Location or Address of Waste Generation Site: 777 South Main Street
City: Elmira State: NY ZIP Code: 14904 County: Chemung
Site Type: ☑ Industrial/Manufacturing ☐ Commercial ☐ Residential
☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☑ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Former Sperry Remington Site- North Portion (NYSDEC #c80 8022) in Elmira, NY. Sperry Remington operated a typewriter manufacturing plant at the site from 19 47-19 72. Manufacturing operations/features included: coal fired power plant, foundry, oil water separators, cyanide heat treating, machining and assembly of parts, plating, degreasing. Soil is generated from the northern property line of O'Gorman Street under IRM5A2-Addendum 8 Phase 5, see attached Figures and Process Description

b. Waste Description ☑ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Soil is uniform in nature with no detectable discoloration or odor. Waste includes soil and debris (concrete fragments and tree debris) Representative Soil Sample IDs are listed on the attached summary. See attached Process Description.

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☑ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☑ No

Reactive (per 40 CFR 261.23): ☐ Yes ☑ No

Free Liquids: ☐ Yes ☑ No

% Solids: 90

Odor: None

pH Range: 7.5 to 9

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☑ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☑ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☑ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☑ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☑ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

Unisys has made a good faith effort to determine if the source of the contaminates through historical records review of relevant available documents (see waste determination). Unisys was unsuccessful in determining the specific source of the contaminants as listed wastes and therefore conclude the contaminated media is from an unknown source. Analytical data

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): Terry Etter TRE

Name (Print): Terry Etter

Company: Unisys Corporation

Title: Project Manager

Date: 11/2/23 3/20/24

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab X Composite

Sample Source: X Boring(s) ____ Test Pit(s) ____ Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins Test America Laboratory Accreditation #: 11182

Applicable Laboratory Report ID #'s: Multiple

Minimum Requirements

- ☒ TCLP RCRA 8 Metals
- ☒ TCLP Volatile Organic Compounds (VOCs)
- ☒ TCLP Semi-Volatile Organic Compounds (SVOCs)
- X ☐ TCLP Herbicides
- ☐ TCLP Pesticides
- ☒ Reactive Sulfide
- ☒ Reactive Cyanide
- ☒ Total PCBs
- ☒ % Solids (Moisture Content)
- ☒ Free Liquids (Paint Filter)
- ☒ Corrosivity by pH
- ☒ Ignitability / Flashpoint
- X See Generator Knowledge Statement in Lieu of Testing

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

TRE 3/20/24

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Based on generator knowledge, an analytical testing waiver for Herbicides and Pesticides is requested. These parameters are not constituents of concern for the soil included in this request. Analysis for herbicides and pesticides as part of remedial investigation activities in this area did not have detections that included characteristic waste. Therefore, waste characterization analysis for these parameters is not needed.

1 VT only
2 PA only
3 ME only

31079
03/20/2024

Blue= A8PH7-COMP2 pre-characterization samples

Orange circles = sample locations composited for pre-characterization

Blue and Red outline = areas of excavation under IRM #5A2 Addendum 8 Phase 7

Red outline = IRM #5A2 A8PH7-COMP1 pre-characterization samples

Composite Sample Locations
Does Not Exceed RR SCO

Gas Line
As-Built Sub-Grade Contours
Metes and Bounds
(BCP Site Boundary)

N

0 40 Feet

Addendum 8 Phase 7 Pre-Characterization Markup

Former Sperry Remington - North Portion #808022
Elmira, New York

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Minneapolis, MN | March 2024

Figure 1

P:\GIS\GISprojects\MN08321- Elmira\Projects\Elmira Excavation Packages\Elmira - Addendum 8 Phase 7.aprx

31079
03/20/2024

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

20 March 2024

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: A8PH7-COMP1 and A8PH7-COMP2 Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018. From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high-speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soil from the Site. Soil excavated during IRM activities is stockpiled in 500-ton windrows (or pre-characterized prior to excavation when feasible) pending waste characterization and off-site transportation and disposal. Each waste characterization sample represents one stockpile, or 500 tons of material. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Results from IRM waste characterization sample SSHS-IRM5A2-A8PH7-COMP1 and A8PH7-COMP2 collected in preparation for IRM Addendum 8, Phase 7, indicate the material in the associated composite locations contained TCLP 2-Butanone (MEK) at concentrations of 0.090 milligrams per liter (mg/L) (J-flagged) and 0.064 mg/L (J-flagged), respectively. Casella has requested documentation that this waste characterization sample is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Analytical results have been provided for this material (refer to Eurofins Environment Testing Lab Report 180-170722-1). The TCLP concentration of MEK is below the regulatory level for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the MEK is unknown, so it cannot be concluded how the source material was used for its solvent properties, that it was spent, or whether it was in the form of a commercial chemical product. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.(MD, NY)
B&B Engineers & Geologists of New York, P.C.

From: Karen Flanders
Sent: Thursday, March 21, 2024 9:28 PM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>

Update: Expiration Extended to 6/21/2024 at generator's request.

Update: Approval for an additional 600 tons of soil from IRM5A2 Addendum 8 Phase 7 represented by attached analytical, Sample ID A8PH7-COMP1 and COMP2 only. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area** (i.e. IRM5A2A8Ph7), intended use (ADC) and Profile **(#31079**) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Wednesday, January 10, 2024 7:11 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis

Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>; Jacob Szymanski <jacob.szymanski@casella.com>
Subject: UPDATE: #31079 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 5 & 6 - Contaminated Soil for ADC

Update: **Approval for 100 tons of soil from IRM5A2 Addendum 8 Phase 5 & 6 represented by attached analytical, Sample ID SCV-103 and SCV-104 only.** The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area** (i.e. IRM5A2A8Ph6-SCV103&SCV104), intended use (ADC) and Profile **(#31079**) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Monday, November 13, 2023 7:12 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>

Subject: APPROVAL: #31079 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - IRM5A2 Addendum 8 Phase 5 - Contaminated Soil for ADC

Note To Customer/Landfill: Approval for 500 tons of soil from IRM5A2 Addendum 8 Phase 5 represented by attached analytical, Sample ID NOCOMP1 and NOCOMP2 only. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area** (i.e. IRM5A2A8Ph5), intended use (ADC) and Profile **(#31079**) on the manifest.

Remediation Area or Stockpile	Approval Date	Volume (Tons)	Approved Use
A8PH7-COMP1 and COMP2	**3/21/2024**	**600**	**ADC**
SCV-103 and SCV-104	1/10/2024	100	ADC
NOComp1 and NOComp2	11/13/2023	300 ~~500~~	ADC
Total Project Tons		1,000 Tons	

Profile #31079 – Approval for ADC (One-Time Event)

Hyland Landfill

Generator:	Unisys Corporation 777 S. Main Street Elmira, NY 14904
Hauler/Carrier:	Riccelli Enterprises, Inc Page E.T.C. Leon Lacy, Inc., and Butler Maybee Enterprises, Inc. Excavating and Concrete, LLC L and V Smith, Inc. Trucking KA Transport K&L Trucking Edger Enterprises Edger Civil
Customer:	Remedial Construction Services (ReCon)
Material/Description:	<50ppm Non-TSCA PCB contaminated soil from IRM 5A2 Addendum 8 Phase 5
Classification:	See Table Above
Quantity:	See Table Above
County:	Chemung (NY)
Approval:	Karen Flanders

Expires:	~~2/13/2024~~ **6/21/2024**
Term:	Place Inactive Upon Expiration

Notes and/or Conditions to Approval:

- Pricing to be confirmed by Scott Sampson - **Customer is Copied**
- NYSDEC Approval is Not Required
- NYSDEC Part 364 Hauling Permit is required for the collection, transport, and delivery of regulated waste, originating or terminating at a location within NY State
- **Manifest** is required for delivery; must include generator information, waste description and Casella Waste Profile Number

Special Waste Department
Casella Waste Systems, Inc.

25 Green Hill Lane, Rutland, VT 05701
p. 802.779.0226 | toll free: 855.379.2783 | f. 802.419.3736

Learn more at casella.com

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Special Waste Characterization Profile

I. Requested Facility *Choose all that apply*

- ☐ **Massachusetts:** Southbridge (Southbridge, MA)
- ☐ **Maine:** Hawk Ridge (Unity, ME)
- ☐ **Maine:** Juniper Ridge (Old Town, ME)
- ☐ **New Hampshire:** NCES (Bethlehem, NH)
- ☐ **Pennsylvania:** McKean (Mt. Jewett, PA)
- ☐ **Vermont:** NEWSVT (Coventry, VT)
- ☒ **New York:** Chemung County (Lowman, NY)
- ☐ **New York:** Clinton County (Morrisonville, NY)
- ☐ **New York:** Grasslands (Chateaugay, NY)
- ☒ **New York:** Hyland (Angelica, NY)
- ☒ **New York:** Ontario County (Stanley, NY)
- ☐ **Other:** _____

II. Generator

Name: Unisys Corporation

Mailing Address: 3199 Pilot Knob Road

City: Eagan State: MN ZIP Code: 55121

Contact Name: Terry Etter Title: Project Manager

Phone: 651-635-7253 Fax: _____ Email: terry.etter@unisys.com

III. Bill To Customer ☐ *Same as Generator above*

Company Name: Remedial Construction Services

Billing Address: 9977 Sam Houston Pkwy N Ste 100

City: Houston State: TX ZIP Code: 77064

Contact Name: Larry Endicott Title: Senior Project Manager

Phone: (609) 357-8470 Fax: _____ Email: larry.endicott@reconservices.com

IV. Consultant/Representative

Company Name: B & B Engineers & Geologists of New York, P.C.

Contact Name: Aron Krasnopoler Title: Senior Engineer

Phone: 410-381-4333 Fax: _____ Email: akrasnopoler@geosyntec.com

V. Delivery and Quantity ☐ ***One-Time Event*** *or* ☐ ***On-Going (Annually)***

Amount to Be Delivered (Estimated): 15,000 ☒ Tons ☐ Cubic Yards ☐ Other: _____

Density of Waste (Approximate): 3,800 Pounds/Cubic Yard

Delivery Vehicle: ☐ Roll-off ☐ Packer Truck ☐ Tractor Trailer ☐ Vac Truck ☐ Other: _____

Hauler Name: Riccelli Enterprises, Inc.

Mailing Address: 6131 E Taft Road Phone: 315-433-5155

Transporter Permit #: 7A-402 (for State of Disposal)

Previous Disposal Facility (Name): _____

Application Was Submitted to/Approved by Another Disposal Facility (Name): _____

VI. Waste Stream Information

Common Waste Name: Construction Spoils

Location or Address of Waste Generation Site: 777 S Main Street

City: Elmira State: NY ZIP Code: 14904 County: Chemung

Site Type: ☒ Industrial/Manufacturing ☐ Commercial ☐ Residential

☐ Institutional ☐ Municipal ☐ Other: _____

a. Waste Generation Process ☐ *Check if detailed Process Description is attached as a separate document*

Describe the site and waste generating process. Please be as detailed as possible. Include a process flow diagram if available.

Site is Former Sperry Remington Site- North Portion (NYSDEC). Sperry Remington operated a typewriter manufacturing plane at the Site from 1837 to 1972. Manufacturing operations included: coal fired power plant, foundry, off water-separations, cyanide heat treating, machining of parts, plating, and decreasing. Waste generated will be excavation spoils from football stadium improvements at Elmira High School by Elmira City School District (ECSD). Excavations include utility trenches, foundations and other excavations for stadium infrastructure. Excavations are managed under the

b. Waste Description ☐ *Check if detailed Waste Description is attached as a separate document*

Describe the source of contaminants and materials used to generate the waste. Please be as specific and detailed as possible.

Waste is uniform in nature with no detectable discoloration or odor. Soil may be impacted due to historic industrial use but below remediation action levels. Additional waste include excess NYSDEC-approved reuse material used for structural fill and re-excavated during capital improvements by ECSD's contractor. Added waste includes debris from ISMP utility excavations, demolition, or restoration activity such as asphalt/concrete, structures and pipes.

TRE 10/21/21

Describe all hazardous or nuisance properties associated with the waste:

None

Describe any special handling or disposal procedures:

None

Consistency at 70°F: ☒ Solid; ☐ Semi-Solid; ☐ Sludge; ☐ Liquid; ☐ Powder; ☐ Other _____

Ignitable (per 40 CFR 261.21): ☐ Yes ☒ No

Reactive (per 40 CFR 261.23): ☐ Yes ☒ No

Free Liquids: ☐ Yes ☒ No

% Solids: 85-90

Odor: None

pH Range: 7.5-8.5

Is the waste an EPA listed hazardous waste under 40 CFR 261? ☐ Yes ☒ No

Is the waste non-hazardous waste from a CERCLA site? ☐ Yes ☒ No

Is the waste considered hazardous in the state of origin or the state of disposal? ☐ Yes ☒ No

Is the waste a treated hazardous waste, a de-listed hazardous waste or subject to land disposal restrictions (LDR) under 40 CFR 268, Subpart D? ☐ Yes ☒ No

c. Analytical Data

*At a minimum, full RCRA waste characterization analysis is required (§ 40 CFR 261) unless the applicant provides acceptable justification for submittal of less comprehensive data. The **generator** is responsible for proper waste characterization.*

Is representative waste characterization analysis attached?

☒ Yes → Please complete Appendix A of profile form.

☐ No → Please provide detailed explanation supporting the use of generator knowledge in lieu of analysis:

VII. Generator Certification

I hereby certify that (1) I am the duly authorized representative of the generator; (2) all information submitted on this form and on supplemental materials is true and accurate; (3) the information provided herein, including any supplemental information, such as laboratory analytical, SDS, etc., accurately describes the waste stream to be delivered to the facility and that all known or suspected hazards have been disclosed; (4) Casella can contact the laboratory directly to discuss our attached waste stream. I understand that once the waste stream is approved by Casella based on this information, any deviation in the source, composition, constituents or characteristics of the waste stream from the information described herein, may render the waste stream unacceptable for disposal, at the sole discretion of Casella. I further understand that any deviation from the information contained herein will require immediate notification to the disposal facility and cessation of disposal.

Signature (Generator): _____ TRE

Name (Print): TERRY ETTER Company: UNISYS CORPORATION

Title: PROJECT MANAGER Date: 10/11/21 10/21/21

Appendix A

Additional Waste Stream Information

It is the Generator's responsibility to properly characterize the waste and demonstrate it is classified as non-hazardous by State and Federal regulations.

1. Samples

Samples collected and analyzed for waste characterization should be done in accordance with the EPA SW-846 Guidance Document and most recent approved EPA Method(s) for solid wastes.

Number of Samples: ____ Grab 2 Composite

Sample Source: ____ Boring(s) ____ Test Pit(s) X Stockpiles(s) ____ Core ____ Container

Soil/remediation projects must include a site map indicating area of excavation and sample locations.

2. Analysis

Please indicate all chemical analysis provided to support waste characterization. All testing must be performed by a laboratory certified in the State the waste is to be disposed in, where applicable.

Laboratory Name: Eurofins TestAmerica Pittsburgh Laboratory Accreditation #: NELAP 11182

Applicable Laboratory Report ID #'s: 180-127662

Minimum Requirements

- ☒ TCLP RCRA 8 Metals
- ☒ TCLP Volatile Organic Compounds (VOCs)
- ☒ TCLP Semi-Volatile Organic Compounds (SVOCs)
- ☒ TCLP Herbicides
- ☒ TCLP Pesticides
- ☒ Reactive Sulfide
- ☒ Reactive Cyanide
- ☒ Total PCBs
- ☒ % Solids (Moisture Content)
- ☐ Free Liquids (Paint Filter)
- ☒ Corrosivity by pH
- ☒ Ignitability / Flashpoint

Additional Requirements

- ☐ Total TPH [1]
- ☐ Total PAH's [1]
- ☐ Total Organic Halogens (TOX)
- ☐ Total BTEX
- ☐ TCLP Copper [2]
- ☐ TCLP Nickel [2]
- ☐ TCLP Zinc [2]
- ☐ TCLP Vanadium [3]
- ☐ Total Sulfur/Sulfate
- ☐ TCLP PCBs
- ☐ Total Dioxins & Furans

Total Analysis AND Water Leaching Procedure (ASTM) Method D3987

- ☐ COD [2]
- ☐ Total Solids [2]
- ☐ Total Volatile Solids [2]
- ☐ Oil and Grease or Petroleum Hydrocarbons [2]
- ☐ Ammonia-Nitrogen [2]

Other

- ☐ Radiological analysis: U-238, RA-226, RA-228, TH-232, and K-40 by EPA test procedure 901.1 dry weight analysis expressed in pCi/g.
- ☐ Gamma field scans on the material and expressed in uR/hr or uRem/hr.
- ☐ Safety Data Sheets (SDS)
- ☐ Other_____

3. Generator Knowledge Statement

If the chemical analysis provided does not meet the minimum requirements, please provide an analysis waiver request with justification based on generator's knowledge of the process generating the waste.

Composite samples ISMP- Edger Spoils and ISMP-NH18 are representative of the first 1,500 tons of soils. Additionally results for composite samples will be provided prior to approval.

1 VT only
2 PA only
3 ME only

From: Karen Flanders <Karen.Flanders@casella.com>
Sent: Tuesday, January 30, 2024 7:06 AM
To: Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Don Trego <DTrego@Geosyntec.com>; Jen Huha <JHuha@Geosyntec.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Etter, Terry R. <terry.etter@unisys.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Edward Lopez <edward.lopez@casella.com>; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; Joshua Haley <Joshua.Haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

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UPDATE: Extend expiration to 3/1/2024.

UPDATE: Approval for an **additional 100 tons of soil** generated by the School District during baseball batting cage augering activity. Sample ID **SSHS-ISMP-D16 and SSHS-ISMP-D17** represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Samples** (i.e. ISMP-D16), intended use (ADC) and Profile # (#23896) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Wednesday, December 6, 2023 7:25 PM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for an **additional 200 tons of soil** from native activities completed by the school district. Sample ID **SSHS-ISMP-D14 and SSHS-ISMP-D15** represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Samples** (i.e. ISMP-D14), intended use (ADC) and Profile # (#23896) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Sunday, November 19, 2023 7:39 PM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'dtrego@geosyntec.com' <dtrego@geosyntec.com>; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott'

Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: CORRECTION: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

CORRECTION: Total Project Tons Approved To-Date = 11,455 tons.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Wednesday, November 1, 2023 3:04 PM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; 'dtrego@geosyntec.com' <dtrego@geosyntec.com>; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; 'Colin Lamas' <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; 'edward.lopez@casella.com' <edward.lopez@casella.com>; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; 'joshua.haley@casella.com' <joshua.haley@casella.com>; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for an **additional 350 tons of soil** from and light pole/fencing installation in the Northern Athletic Field (NAF). Sample IDs **D7 – D13** collected direct from roll-off containers, represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Samples** (i.e. Light Pole Soil/D7-D13), intended use (ADC) and Profile # (#23896) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Wednesday, September 27, 2023 11:59 AM
To: 'Miranda Stelmach' <MStelmach@Geosyntec.com>; 'Aron Krasnopoler' <AKrasnopoler@Geosyntec.com>; dtrego@geosyntec.com; 'Jen Huha' <JHuha@Geosyntec.com>; 'Kyle Cunningham' <kyle.cunningham@reconservices.com>; 'Endicott, Lawrence' <larry.endicott@keller-na.com>; 'Etter, Terry R.' <terry.etter@unisys.com>; 'Amanda McNally' <AMcNally@Geosyntec.com>; 'Brian Harris' <Brian.Harris@Geosyntec.com>; 'Sutton, Scott' <scott.sutton@keller-na.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

UPDATE: Approval for an **additional 250 tons of soil** from fence post installation in the Northern Athletic Field (NAF). Sample IDs **D1 - D6** collected direct from roll-off containers, represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Samples** (i.e. Fence Post Soil/D1-D6), intended use (ADC) and Profile # (#23896) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701

Harris <Brian.Harris@Geosyntec.com>; Sutton, Scott <scott.sutton@keller-na.com>; Endicott, Lawrence <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; Colin Lamas <CLamas@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>; edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase and Expiration Extension

UPDATE: Extend expiration to 6/1/2023.

UPDATE: Approval for an **additional 500 tons of soil** from stockpile sample **ISMP-NH-37** represented by attached analytical. The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed. Unisys consultant provided a letter confirming the waste is non-hazardous under RCRA for TCE.

Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, **Source Area/Stockpile** (i.e. ISMP NH-37), intended use (ADC) and Profile # (#23896) on the manifest.

Special Waste Department
25 Greens Hill Lane, Rutland, VT 05701
p. 802.779.0226 | f. 802.419.3736
e. special.waste@casella.com • w. casella.com

CASELLA WASTE SYSTEMS, INC.
RECYCLING • SOLUTIONS • ORGANICS • COLLECTION • ENERGY • LANDFILLS

From: Karen Flanders
Sent: Monday, November 28, 2022 12:10 PM
To: Special Waste <Special.Waste@casella.com>; Miranda Stelmach <MStelmach@Geosyntec.com>; Aron Krasnopoler <AKrasnopoler@Geosyntec.com>; Etter, Terry R. <terry.etter@unisys.com>; Lawrence Endicott <larry.endicott@keller-na.com>; Kyle Cunningham <kyle.cunningham@reconservices.com>; 'scott.sutton@keller-na.com' <scott.sutton@keller-na.com>; Amanda McNally <AMcNally@Geosyntec.com>; Brian Harris <Brian.Harris@Geosyntec.com>
Cc: Ann Santell <Ann.Santell@casella.com>; Cameron R Pike <cameron.pike@casella.com>; Dennis Pantano <Dennis.Pantano@casella.com>; Donna Holmes <donna.holmes@casella.com>;

edward.lopez@casella.com; Elizabeth Allen-Matthew <elizabeth.allenmatthew@casella.com>; Gregory Stachnyk <gregory.stachnyk@casella.com>; joshua.haley@casella.com; Larry Shilling <Larry.Shilling@casella.com>; Laure B Conyers <laure.conyers@casella.com>; Matthew Cooley <matthew.cooley@casella.com>; Michael Stehman <michael.stehman@casella.com>; Michelle McConnaughey <michelle.l.mcconnaughey@casella.com>; Rose Bartlett <Rose.Bartlett@casella.com>; Scott Sampson <Scott.Sampson@casella.com>; Special Waste <Special.Waste@casella.com>; Tim Oknefski <tim.oknefski@casella.com>; Timothy Cline <timothy.cline@casella.com>
Subject: UPDATE: #23896 - Hyland; Unisys Corporation, 777 S. Main Street, Elmira, NY - ISMP Contaminated Soil for ADC - Tonnage Increase

UPDATE: Extend expiration to 12/31/2022.

UPDATE: Approval for an additional 250 tons of soil from in-situ samples ISMP-D7-2-4, ISMPD7-4-6, ISMP-G5-2-4 and ISMP-G5-4-6 represented by attached analytical and shown on attached map (Softball Dugouts). The soil may be eligible for use as Alternate Daily Cover (ADC) provided it meets the DEC criteria for use as ADC upon delivery, if not, it will be disposed.
Note To Customer: All loads must be pre-scheduled for delivery 24-hours in advance; Hyland Landfill (585) 466-7271. Please ensure the transporter includes the correct waste description, Source Area/Stockpile (i.e. ISMP D7-2-4), intended use (ADC) and Profile # (#23896) on the manifest.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-944

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER CIVIL & UTILITY, LLC
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

CONTACT NAME: JESSICA EDGER-HILLMAN
COUNTY: CHEMUNG
TELEPHONE NO: (607)733-9664

PERMIT TYPE:

☒ NEW
■ RENEWAL
☒ MODIFICATION

EFFECTIVE DATE: 08/17/2021
EXPIRATION DATE: **08/16/2022**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Allegany County Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Bath Sanitary Landfill	Bath , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Broome County Landfill	Binghamton , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2021.06.09 14:23:54 -04'00' Date: ____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-944

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER CIVIL & UTILITY, LLC
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

☒ NEW
■ RENEWAL
☒ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	08/17/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**08/16/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Chemung County Sanitary Landfill	Chemung , NY	Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
MESHOPPEN RAIL STATION	MESHOPPEN , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
NORTHERN TIER SOLID WASTE AUTHORITY	BURLINGTON , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Seneca Meadows LF	Waterloo , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-944

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER CIVIL & UTILITY, LLC
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

CONTACT NAME: JESSICA EDGER-HILLMAN
COUNTY: CHEMUNG
TELEPHONE NO: (607)733-9664

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 08/17/2021
EXPIRATION DATE: **08/16/2022**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Seneca Meadows LF	Waterloo , NY	Petroleum Contaminated Soil Waste Tires	
WAYNE TOWNSHIP LANDFILL	MCELHATAN , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
WHITE PINES LANDFILL	MILLVILLE , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-944

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER CIVIL & UTILITY, LLC
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

- ☒ NEW
- ■ RENEWAL
- ☒ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	08/17/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**08/16/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

12 (Twelve) Permitted Vehicle(s)

NY 17120PC
NY 18203PC
NY 18209PC
NY 18212PC
NY 18213PC
NY 18214PC
NY 18215PC
NY 45424PC
NY BB87052
NY BB87053
NY BB87128
NY BB87129
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-820

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER ENTERPRISES OF ELMIRA, INC.
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	07/15/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**07/14/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Auburn Landfill No 2	Auburn , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Bath Sanitary Landfill	Bath , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Broome County Landfill	Binghamton , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Chautauqua County Highway	Falconer , NY	Gas Well Drill Cuttings Oil and Gas Production Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS: New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7254

AUTHORIZED SIGNATURE:  Date: 04 / 13 / 2021

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for change of address or company name.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department at the time of permit renewal, or to any law enforcement officer, if requested to do so.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. **Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:**

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-820

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER ENTERPRISES OF ELMIRA, INC.
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	07/15/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**07/14/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Chautauqua County Highway	Falconer , NY	Asbestos Petroleum Contaminated Soil Waste Tires	
Chautauqua Landfill	Ellery , NY	Non-Hazardous Industrial/Commercial	
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Cortland County Landfill Westside Extension	McGraw , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Delaware County SWMF	Walton , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-820

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER ENTERPRISES OF ELMIRA, INC.
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

CONTACT NAME: JESSICA EDGER-HILLMAN
COUNTY: CHEMUNG
TELEPHONE NO: (607)733-9664

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 07/15/2021
EXPIRATION DATE: **07/14/2022**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Hyland Landfill	Angelica , NY	Petroleum Contaminated Soil Waste Tires	
Madison County West Side Extension LF	Canastota , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
MESHOPPEN CRUSHING, LLC	MESHOPPEN , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
NORTHERN TIER SOLID WASTE AUTHORITY	BURLINGTON , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Ontario County Sanitary Landfill	Stanley , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
Seneca Meadows LF	Waterloo , NY	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-820

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER ENTERPRISES OF ELMIRA, INC.
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	07/15/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**07/14/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
WAYNE TOWNSHIP LANDFILL	MCELHATAN , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	
WHITE PINES LANDFILL	MILLVILLE , PA	Non-Hazardous Industrial/Commercial Gas Well Drill Cuttings Oil and Gas Production Waste Asbestos Petroleum Contaminated Soil Waste Tires	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 8A-820

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

EDGER ENTERPRISES OF ELMIRA, INC.
330 EAST 14TH STREET
ELMIRA HEIGHTS, NY 14903

PERMIT TYPE:

- ☐ NEW
- ■ RENEWAL
- ☐ MODIFICATION

CONTACT NAME:	JESSICA EDGER-HILLMAN	EFFECTIVE DATE:	07/15/2021
COUNTY:	CHEMUNG	EXPIRATION DATE:	**07/14/2022**
TELEPHONE NO:	(607)733-9664	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

7 (Seven) Permitted Vehicle(s)

NY 13851PF
NY 14470PF
NY 18038PB
NY 75363MK
NY 79821PC
NY 79822PC
NY 79823PC
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
AERC RECYCLING SOLUTIONS (MITCHELL AVE)	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial Universal Waste	
BERKS TRANSFER	READING , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil Universal Waste	
CANANDAIGUA WWTP	CANANDAIGUA , NY	Non-Hazardous Industrial/Commercial	Leachate Water
CARE ENVIRONMENTAL	VALDOSTA , GA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	 Universal Waste
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant Universal Waste	
CLEAN HARBORS EL DORADO, LLC	EL DORADO , AR	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Richard Clarkson 2023.04.11 17:39:38 -04'00' Date: ____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle used to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for any change to the permit.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department by March 1 of each year.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Covanta Niagara I, LLC	Niagara Falls , NY	Non-Hazardous Industrial/Commercial	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CYCLE CHEM (PA)	LEWISBERRY , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil Universal Waste	
ENVIRITE OF PENNSYLVANIA	YORK , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ENVIROSAFE SERVICES OF OHIO, INC.	OREGON , OH	Non-Hazardous Industrial/Commercial Asbestos Hazardous Industrial/Commercial	
EQ DETROIT, INC (US ECOLOGY DETROIT SOUTH)	DETROIT , MI	Non-Hazardous Industrial/Commercial Asbestos Septage only (residential) Non-Residential Raw Sewage or Sewage-Contaminated Wastes Hazardous Industrial/Commercial Waste Oil Universal Waste	
EVERCLEAR	AUSTINTOWN , OH	Non-Hazardous Industrial/Commercial Waste Oil	
FIELDING ENVIRONMENTAL, LLC	FREEDOM , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
FIELDING ENVIRONMENTAL, LLC	FREEDOM , PA	Universal Waste	
GIANT RESOURCE RECOVERY-SUMTER	SUMTER , SC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial	
HYDRO RECOVERY LP - ANTRIM PLANT	WELLSBORO , PA	Oil and Gas Production Waste	
HYDRO RECOVERY, INC.	BLOSSBURG , PA	Oil and Gas Production Waste	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Oil and Gas Production Waste Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
ITHACA AREA WWTF	ITHACA , NY	Grease Trap Waste	
MAX ENVIRONMENTAL TECHNOLOGIES	YUKON , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
NORTHERN TIER SOLID WASTE AUTHORITY	BURLINGTON , PA	Non-Hazardous Industrial/Commercial	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos Waste Tires Hazardous Industrial/Commercial	
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SOMERSET REGIONAL WATER RESOURCES	SPRINGVILLE , PA	Non-Hazardous Industrial/Commercial	
VEXOR TECHNOLOGY, INC	MEDINA , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
VEXOR TECHNOLOGY, INC	MEDINA , OH	Waste Oil	
VLS SOLUTIONS, LLC	LANCASTER , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
WAYNE TOWNSHIP LANDFILL	MCELHATAN , PA	Universal Waste	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

26 (Twenty Six) Permitted Vehicle(s)

PA AF14278
PA AF89130
PA AF95798
PA AG19285
PA AG22593
PA AG87977
PA AH00561
PA AH04597
PA AH07300
PA AH18613
PA PT0358M
PA PT306F7
PA PT4097Z
PA PT497D3
PA PT600A3
PA PT730GT
PA PT7347A
PA PT8181Z
PA PT8404G
PA PT872P7
PA PT8947J
PA PT907P1
PA XA50266
PA XHE4586
PA ZCX4395
PA ZMY5203
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-685

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

DALE ROBERT DAPP/dba KA TRANSPORT
5434 MAIN STREET
MILLERTON , PA 16936

CONTACT NAME: DALE ROBERT DAPP
COUNTY: OUT OF STATE
TELEPHONE NO: (607)426-0379

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 01/27/2022
EXPIRATION DATE: **01/21/2023**
US EPA ID NUMBER:

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: Laura Stevens Digitally signed by Laura Stevens Date: 2022.01.26 07:11:47 -05'00' Date:____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle used to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for any change to the permit.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department by March 1 of each year.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-685

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

DALE ROBERT DAPP/dba KA TRANSPORT
5434 MAIN STREET
MILLERTON , PA 16936

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	DALE ROBERT DAPP	EFFECTIVE DATE:	01/27/2022
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**01/21/2023**
TELEPHONE NO:	(607)426-0379	US EPA ID NUMBER:	

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

1 (One) Permitted Vehicle(s)

PA AH12757
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY:

The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
AERC RECYCLING SOLUTIONS (MITCHELL AVE)	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial Universal Waste	
BERKS TRANSFER	READING , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil Universal Waste	
CANANDAIGUA WWTP	CANANDAIGUA , NY	Non-Hazardous Industrial/Commercial	Leachate Water
CARE ENVIRONMENTAL	VALDOSTA , GA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	 Universal Waste
Chemung County Sanitary Landfill	Chemung , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant Universal Waste	
CLEAN HARBORS EL DORADO, LLC	EL DORADO , AR	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NOTE: By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the Environmental Conservation Law, all applicable regulations, and the General Conditions printed on the back of this page.

ADDRESS:

New York State Department of Environmental Conservation
Division of Materials Management - Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

AUTHORIZED SIGNATURE: _____ Richard Clarkson 2023.04.11 17:39:38 -04'00' Date: ____/____/____

WASTE TRANSPORTER PERMIT

GENERAL CONDITIONS

The permittee must:

1. Carry a copy of this waste transporter permit in each vehicle used to transport waste. Failure to produce a copy of the permit upon request is a violation of the permit.

2. Display the full name of the transporter on both sides of each vehicle and display the waste transporter permit number on both sides and rear of each vehicle containing waste. The displayed name and permit number must be in characters at least three inches high and of a color that contrasts sharply with the background.

3. Transport waste only in authorized vehicles. An authorized vehicle is one that is listed on this permit.

4. Submit to the Department a modification application for additions/deletions to the authorized fleet of vehicles. The permittee must wait for a modified permit before operating the vehicles identified in the modification application.

5. Submit to the Department a modification application to add a new waste category or a new destination facility, or to change the current waste or destination facility category. The permittee must wait for a modified permit before transporting new waste types or transporting to new destination facilities.

6. Submit to the Department a modification application for any change to the permit.

7. Comply with requirements for placarding and packaging as set forth in New York State Transportation Law as well as any applicable federal rules and regulations.

8. Contain all wastes in the vehicle so there is no leaking, blowing, or other discharge of waste.

9. Use vehicles to transport only materials not intended for human or animal consumption unless the vehicle is properly cleaned.

10. Comply with requirements for manifesting hazardous waste, regulated medical waste, or low-level radioactive waste as set forth in the New York State Environmental Conservation Law and the implementing regulations. Transporters who provide a pre-printed manifest to a generator/shipper/ offeror of regulated waste shall ensure that all information is correct and clearly legible on all copies of the manifest.

11. Deliver waste only to transfer, storage, treatment and disposal facilities authorized to accept such waste. Permittee must demonstrate that facilities are so authorized if requested to do so.

12. Maintain liability insurance as required by New York State Environmental Conservation Law.

13. Maintain records of the amount of each waste type transported to each destination facility on a calendar-year basis. The transporter is obligated to provide a report of this information to the Department by March 1 of each year.

14. Pay regulatory fees on an annual basis. Non-payment may be cause for revocation or suspension of permit.

15. This permit is not transferrable. A change of ownership will invalidate this permit.

16. This permit does not relieve the permittee from the obligation to obtain any other approvals or permits, or from complying with any other applicable federal, state, or local requirement.

17. Renewal applications must be submitted no less than 30 days prior to the expiration date of the permit to:

New York State Department of Environmental Conservation
Division of Materials Management, Waste Transporter Program
625 Broadway, 9th Floor
Albany, NY 12233-7251

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. PA-240

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

ELK TRANSPORTATION, INC.
1440 CARBON STREET
READING, PA 19601

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	HARRY O'NEILL III / MICHAEL C. PIAZZA	EFFECTIVE DATE:	04/12/2023
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**03/31/2024**
TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
Covanta Niagara I, LLC	Niagara Falls , NY	Non-Hazardous Industrial/Commercial	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
CYCLE CHEM (PA)	LEWISBERRY , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil Universal Waste	
ENVIRITE OF PENNSYLVANIA	YORK , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
ENVIROSAFE SERVICES OF OHIO, INC.	OREGON , OH	Non-Hazardous Industrial/Commercial Asbestos Hazardous Industrial/Commercial	
EQ DETROIT, INC (US ECOLOGY DETROIT SOUTH)	DETROIT , MI	Non-Hazardous Industrial/Commercial Asbestos Septage only (residential) Non-Residential Raw Sewage or Sewage-Contaminated Wastes Hazardous Industrial/Commercial Waste Oil Universal Waste	
EVERCLEAR	AUSTINTOWN , OH	Non-Hazardous Industrial/Commercial Waste Oil	
FIELDING ENVIRONMENTAL, LLC	FREEDOM , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

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AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
FIELDING ENVIRONMENTAL, LLC	FREEDOM , PA	Universal Waste	
GIANT RESOURCE RECOVERY-SUMTER	SUMTER , SC	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	
Hakes C&D Disposal Inc	Painted Post , NY	Non-Hazardous Industrial/Commercial	
HYDRO RECOVERY LP - ANTRIM PLANT	WELLSBORO , PA	Oil and Gas Production Waste	
HYDRO RECOVERY, INC.	BLOSSBURG , PA	Oil and Gas Production Waste	
Hyland Landfill	Angelica , NY	Non-Hazardous Industrial/Commercial Oil and Gas Production Waste Petroleum Contaminated Soil Sludge from Sewage or Water Supply Treatment Plant	
ITHACA AREA WWTF	ITHACA , NY	Grease Trap Waste	
MAX ENVIRONMENTAL TECHNOLOGIES	YUKON , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MICHIGAN DISPOSAL WASTE TREATMENT PLANT	BELLEVILLE , MI	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
NORTHERN TIER SOLID WASTE AUTHORITY	BURLINGTON , PA	Non-Hazardous Industrial/Commercial	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos Waste Tires Hazardous Industrial/Commercial	
REVERE SMELTING & REFINING CORPORATION	MIDDLETOWN , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
SOMERSET REGIONAL WATER RESOURCES	SPRINGVILLE , PA	Non-Hazardous Industrial/Commercial	
VEXOR TECHNOLOGY, INC	MEDINA , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED WASTE TYPES BY DESTINATION FACILITY: (Continued)
The Permittee is Authorized to Transport the Following Waste Type(s) to the Destination Facility listed :

Destination Facility	Location	Waste Type(s)	Note
VEXOR TECHNOLOGY, INC	MEDINA , OH	Waste Oil	
VLS SOLUTIONS, LLC	LANCASTER , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
WAYNE TOWNSHIP LANDFILL	MCELHATAN , PA	Universal Waste	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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TELEPHONE NO:	(610)372-4760	US EPA ID NUMBER:	PAD987271020

AUTHORIZED VEHICLES:
The Permittee is Authorized to Operate the Following Vehicles to Transport Waste:

(Vehicles enclosed in <>'s are authorized to haul Residential Raw Sewage and/or Septage only)

26 (Twenty Six) Permitted Vehicle(s)

PA AF14278
PA AF89130
PA AF95798
PA AG19285
PA AG22593
PA AG87977
PA AH00561
PA AH04597
PA AH07300
PA AH18613
PA PT0358M
PA PT306F7
PA PT4097Z
PA PT497D3
PA PT600A3
PA PT730GT
PA PT7347A
PA PT8181Z
PA PT8404G
PA PT872P7
PA PT8947J
PA PT907P1
PA XA50266
PA XHE4586
PA ZCX4395
PA ZMY5203
End of List

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

7 March 2023

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: ISMP-NH37 Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018 . From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

- 1887 – 1909: B. W. Payne & Sons, manufacturer of high speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soil from the Site. Interim Site Management Plan (ISMP) activities are also conducted associated with EHS site development. Soil excavated during IRM and ISMP activities is stockpiled in 500 ton windrows (or pre-characterized prior to excavation when feasible) pending waste characterization and off-site transportation and disposal. Each waste characterization sample represents one stockpile, or 500 tons of material. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

ISMP waste characterization sample ISMP-NH37 results indicate the material in the associated stockpile contains TCLP tetrachloroethene (PCE) at a concentration of 0.0041 milligrams per liter (mg/L) (J-flagged). Casella has requested documentation that this waste characterization sample is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Analytical results have been provided for this material (refer to Eurofins Environment Testing Lab Report 180-152100-1). The TCLP concentration of PCE is below the regulatory level for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of IRM, ISMP, and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the PCE is unknown, so it cannot be concluded how the source material was used for its solvent properties, or that it was spent. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.(MD, NY)
B&B Engineers & Geologists of New York, P.C.

engineers | scientists | innovators

Profile #23896
9/16/2022

Geosyntec consultants

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

10211 Wincopin Circle, 4th Floor
Columbia, Maryland 21044
PH 410.381.4333
FAX 410.381.4499
www.geosyntec.com

15 September 2022

Karen Flanders
Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Subject: ISMP NH-34 Non-Hazardous Waste Determination
Former Sperry Remington Site – North Portion
Elmira, New York

Dear Ms. Flanders:

The purpose of this letter is to provide clarification on the classification of waste generated from a portion the Former Sperry Remington Site – North Portion (Site) in Elmira, New York. Unisys Corporation (Unisys) is currently conducting remedial activities at the Site in accordance the Brownfields Cleanup Program (BCP) Agreement for the Site executed with the New York State Department of Environmental Conservation (NYSDEC) on 23 March 2017 with the consent of Elmira City School District (ECSD). The Site is currently occupied by Elmira High School (EHS) at 777 South Main Street in Elmira. Detailed Site history and waste related information can be found in the Site Characterization Report submitted to NYSDEC on 17 May 2017 and conditionally approved by NYSDEC on 15 August 2018 . From the late 1880s to the early 1970s, the Site has been occupied by various industrial facilities:

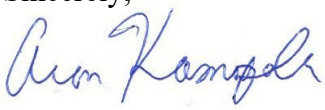
- 1887 – 1909: B. W. Payne & Sons, manufacturer of high speed steam engines;
- 1909 – 1935: Morrow Manufacturing, manufacturer of drill chucks, machine parts and tools;
- 1935 – 1937: Elmira Precision Tool Company, manufacturer of typewriter parts for Remington Rand;
- 1936 – 1972: Remington Rand, manufacturer of typewriters and adding machines;
- 1974 – 1977: Westinghouse Electric Corporation (Westinghouse) occupied approximately ten (10) acres of the EHS property south of the City of Elmira-Town of Southport line, primarily for warehousing; and
- 1977 – Present: ECSD with construction of Southside High School in 1979. Southside High School was renamed EHS in 2014.

Unisys is currently conducting an Interim Remedial Measure (IRM) to remove polychlorinated biphenyl (PCB)-impacted soils from the Site. Excavated soil has been stockpiled in the material storage area (MSA) and representative samples have been collected for each stockpile. Analytical data, including toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs), TCLP semi-volatile organic compounds (SVOCS), TCLP Resource Conservation and Recovery Act (RCRA), metals, PCB, flash point, sulfide/sulfate, cyanide, and pH are provided for waste acceptance.

Stockpile sample ISMP NH-34 was analyzed to contain 0.0027 miligrams per liter (mg/L) (J-flagged) of 1,4-dichlorobenzene. Casella has requested documentation that this stockpile is not hazardous waste according to the requirements of 40 Code of Federal Regulations (CFR) Part 261 and 6 Codes, Rules and Regulations of the State of New York (NYCRR) Chapter 371.4. Anaytical results have been provided for this material (refer to Eurofins Environment Testing America Lab Report 180-143294-1). The TCLP concentration of 1,4-dichlorobenzene is below regulatory levels for the toxicity characteristic per 40 CFR 261.24.

Wastes generated from this property as part of this IRM and future remedial actions are unknown in origin and cannot be linked to an individual process. We have conducted a review of available historical documentation for the Site, and the chemical origin of the chlorobenzene and 1,2-dichloroethane is unknown, so it cannot be concluded how the source material was used for its solvent properties, or that it was spent. Given that the source material is unknown, the before-use concentration threshold cannot be determined.

Sincerely,



Aron Krasnopoler, Ph.D., P.E.
Beech and Bonaparte Engineering, P.C.

engineers | scientists | innovators

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Addendum #8 – DRAFT

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	5/20/2021	Updated location of new baseball field scoreboard due to inground structures.	5/25/2021
2	5/28/2021	Updated to include soil excavation by the ECSD contractor.	6/3/2021
3	4/6/2022	Updated to include removal of temporary concrete washout and soils adjacent to Fieldhouse 1.	4/12/2022
4	5/2/2022	Updated to include installation of posts for football netting surrounding field end zones.	5/4/2022
5	5/19/2022	Updated to include installation of posts for chain link and decorative fencing within the Football Field Complex.	5/26/2022
6	8/17/2022	Updated to include installation of Fieldhouse 2 trench drain.	8/19/2022
7	12/9/2022	Updated to include reconstruction of baseball field scoreboard foundation	2/6/2023
8		Updated to include installation fence posts along the north and southeast of the football field and along the western boundary of the shotput/discus area.	

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ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS FFC Cover System dated March 30, 2021 (revised April 26, 2021), approved by the NYSDEC on May 4, 2021, is being amended to include fence post installation activities as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activities:

1. The installation of approximately 210 feet of fencing with fence posts installed at a 10-foot spacing along the northern boundary of the football field (see Appendix A for the fence alignment). Approximately 23 fence posts will be installed consisting of auguring post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augurs for end and corner posts. Each 12-in diameter foundation (approximately 18 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 5 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 4.4 CY. All augured soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3 and 4 on design drawing, Drawing No. L6.4 in Appendix B.

2. The installation of 1 fence post located southeast of the football field and south of the grandstands (see Appendix A for the post location). The fence post is being installed to support a pedestrian gate. The work consists of auguring the post foundation to a depth of 5 feet below the final cover system grade. The post foundation will be excavated using a 12-inch diameter auger and is estimated to generate approximately 0.15 CY of soil. All augured soil will be containerized into a drum and deposited into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. The boring will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 3 on design drawing, Drawing No. L6.4 in Appendix B

3. The installation of approximately 200 feet of fencing with fence posts installed at a 10-foot spacing along the west boundary of the shotput/discus area (see Appendix A for the fence alignment). Approximately 21 fence posts will be installed consisting of auguring post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augurs for end and corner posts. Each 12-in diameter foundation (approximately 19 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 2 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 3.5 CY. All augured soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste

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Additional fence post.

Northern FFC Fence Installation - see Drawing CA-L16R for revision.

D14

D15

Discus/Shot-Put area fencing.

6' CHAIN LINK FENCE

~MULCH~

~CONCRETE~

~OUTFIELD GRASS~

~DIRT INFIELD~

~INFIELD GRASS~

NO CHAINLINK UNDER THIS SECTION

~DUGOUT~

~BUILDING~

~CONCRETE~

~ASPHALT~

FIELDHOUSE #1

FIELDHOUSE #2

CONCRETE SIDEWALK

ALTERNATE 2

ALTERNATE 1

MAINTENANCE VEHICLES ONLY

~CONCRETE SIDEWALK~

STREET BOUNDARY

SOUTH MAIN STREET

PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH CHEMUNG COUNTY REQUIREMENTS.

1 SCALE: 1"=30'

M R M L

SITE IMPROVEMENT NOTES

1. PROVIDE 5' THICK FIBER REINFORCED CONCRETE SIDEWALK AND SUBBASE, SEE DETAIL 1/L6.4.
2. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 2/L6.4.
3. PROVIDE 6' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4
4. PROVIDE 4' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4. FENCE AROUND TRACK TO HAVE BOTTOM RAIL.
5. PROVIDE VINYL COATED, 10' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
6. PROVIDE VINYL COATED, 4' WIDE, SINGLE MAN GATE WITH STRONG ARM LATCH, SEE DETAIL 5/L6.4.
7. PROVIDE CUSTOM CROSS KNOTLESS NETTING BY SPORTSFIELD SPECIALTIES ON EXISTING POLES. NETTING TO TIE INTO TOP OF CHAINLINK FENCE TO TOP OF EXISTING POLES. VERIFY TOTAL HEIGHT OF EXISTING BASEBALL NETTING POLES IN FIELD.
8. PROVIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 7/L6.4.
9. PROVIDE HOME GRANDSTAND, CONCRETE PAD, AND FOUNDATIONS. SEE DETAIL 1/L7.1.
10. PROVIDE ALL ALUMINUM SUPPORTED VISITOR BLEACHERS, CONCRETE PAD, AND MEDIA PLATFORM, SEE DETAILS ON SHEET L7.2.
11. PROVIDE TRACK SURFACING TO BE BLACK WITH CUSTOM COLOR EXCHANGE ZONES, SEE SPECIFICATIONS. COORDINATE ELEVATIONS WITH SURFACING INSTALLER. SEE DETAIL 9+12/L6.5.
12. PROVIDE SYNTHETIC TURF SYSTEM INCLUDING PAD. GRAPHICS TO INCLUDE CENTER LOGO WITH CUSTOM RED COLOR, AND ZONE LETTERING, (CUSTOM RED LETTERS, WHITE OUTLINE, BLACK BACKGROUND), SIDELINE LETTERING, GHOST 44 YARD LINE, DROP SHADOW YARD NUMBERS INCLUDING RED. SEE DETAIL 1/L6.3, 18/L6.2, AND 9/L6.5. PROVIDE DRAINAGE STONE AND FLAT PANEL DRAIN AND CURBING. CUSTOM RED COLOR TO BE PANTONE 1955C.
13. PROVIDE 8' TALL REMOVABLE BACKDROP BALL NETTING BY SPORTSFIELD SPECIALTIES. PROVIDE BREAKS IN NETS AT CORNERS, SEE DETAIL 3/L6.5.
14. PROVIDE FLUSH CONCRETE CURB NAILER AT D-ZONES. PROVIDE THE 8' TALL BACKDROP BALL NETTING CENTERED IN CONCRETE, SEE DETAIL 34+5/L6.5.
15. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD / VIDEO BOARD FOR STADIUM, SEE DETAIL 10/L6.4.
16. PROVIDE PLAY CLOCKS, POSTS, AND FOUNDATIONS AT ENDS OF D-ZONES, SEE DETAIL 9/L6.4.
17. PROVIDE YELLOW ROTATING FIELD GOAL POSTS AND PADS WITH LETTERING. SEE DETAIL 1/L6.5.
18. PROVIDE SOCCER GOALS WITH SAFETY SYSTEM AND MOBILITY KIT BY SPORTSFIELD SPECIALTIES.
19. PRESSBOX / FIELDHOUSE #1 SEE ARCHITECTURAL DRAWINGS.
20. PROVIDE STEEPLECHASE PIT USING MODULAR FORMING SYSTEM, PIT HURDLE, PIT COVERS, AND 4 STEEPLE BARRIER SET, SEE DETAIL 4/L6.3.
21. PROVIDE JUMP PITS, SAND CATCHES, AND COVERS, SEE DETAIL 4/L6.5
22. MEMORIAL WALL SEE ARCH.
23. PROVIDE POLE VAULT RUNWAY STRIPING, PLANT BOX, AND STANDARDS FORMING KIT BY SPORTSFIELD SPECIALTIES, SEE DETAIL 7/L6.5.
24. PROVIDE DISCUS THROW RING, CAGE, NETTING, AND 14' TALL EXTENSION NETTING BY SPORTSFIELD SPECIALTIES, SEE DETAIL 10+1/L6.5.
25. PROVIDE SHOT PUT THROW RING CAGE, NETTING, AND STONE DUST LANDING AREA, SEE DETAIL 5,6+8/L6.5.
26. (ALTERNATE 3) - PROVIDE (5) CHARLIE TABLES BY LANDSCAPE FORMS. MOUNT TABLES TO ASPHALT VIA DRILLING AND GROUT.
27. PROVIDE 35-FOOT-TALL FLAG POLE, SEE DETAIL 6/L6.4.
28. PROVIDE 8' WIDE 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
29. PROVIDE 20' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
30. PROVIDE 3'x3' VINYL COATED CHAINLINK DOOR THROUGH FENCE AT 24' ABOVE GRADE AT LOCATIONS SHOWN. DOORS TO BE EQUIPPED WITH STRONG ARM LATCH.
31. PROVIDE MEMORIAL BOULDER ON 8" THICK CONCRETE PAD, SEE DETAIL 2/L6.3. BOULDER REINSTALLED BY SOIL REMEDIATION CONTRACTOR.
32. PROVIDE CONCRETE PAD, SEE STRUCTURAL DETAIL 7/S3.1.
33. PROVIDE 4" DEEP COMPACTED CRUSHER RUN ON MIRAFI 500X AS SHOWN OR APPROVED EQUAL.
34. PROVIDE ACCESSIBLE LINE STRIPING, SYMBOLS, AND SIGNAGE AS SHOWN, SEE DETAIL 6/L6.4.
35. PROVIDE 4" WIDE WHITE LINE STRIPING.CONFIRM STRIPING COLOR AND LAYOUT WITH OWNER PRIOR TO STRIPING.
36. PROVIDE "AUTHORIZED VEHICLES ONLY" SIGNAGE, SEE DETAIL 13/L6.5.
37. PROVIDE STOP SIGN AND STOP BAR, SEE DETAIL 12/L6.4.
38. PROVIDE DIRECTIONAL ARROW LINE PAVEMENT MARKINGS TYPICAL AS SHOWN, SEE DETAIL 1 6/L6.5.
39. PROVIDE 6' - 12" DIA. RIP-RAP ON GEOTEXTILE FABRIC, SEE DETAIL 3/L6.3.
40. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD FOR BASEBALL, SEE DETAIL 1 1/L6.4.
41. NOT USED.
42. PROVIDE 14' WIDE, 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
43. PROVIDE 24' WIDE 6' TALL TRANSPORT 11 MAJESTIC SLIDE GATE BY AMERISTAR OR APPROVED EQUAL, SEE DETAIL 8/L6.3.
44. PROVIDE 6' TALL, MONTAGE PLUS FENCING BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 6/L6.3. SEE ARCH DRAWINGS FOR PILLARS.
45. PROVIDE TACTILE WARNING AND CURB RAMP, SEE DETAIL 9/L6.3.
46. PROVIDE 9' TALL VINYL COATED CHAINLINK FENCE WITH BLACK PRIVACY SLATS. FENCE TO BE BASE PLATE MOUNTED TO CONCRETE SIDEWALK - COLOR BLACK, SEE DETAIL 3/L6.4.
47. PROVIDE FOUR BOLLARDS AROUND TRANSFORMER, SEE DETAIL 2/L6.2 #10/L6.3.
48. PROVIDE INTEGRAL CONCRETE CURB, SEE DETAIL 11/L6.3.
49. NOT USED.
50. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE, COLOR BLACK, SEE DETAIL 3/L6.4.
51. PROVIDE ASPHALT PAVEMENT AND SUBBASE TO MATCH WHAT IS IN STREET SECTION.
52. PROVIDE LIGHT POLES, FIXTURES, AND POLE BASES. SEE ELECTRICAL PLANS, SEE DETAIL 2/L6.2.
53. NOT USED
54. PROVIDE VINYL COATED, 12' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH. SEE DETAIL 4/L6.4.

GENERAL NOTES:

1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	
3			
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DRAWN BY : SSV
CHECKED BY : LG
DATE : 6/30/2020
SCALE : AS NOTED

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SITE IMPROVEMENT PLAN

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY 14904

L2.1

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE #1 SED # 07-06-00-01-2-044-025 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001

ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

Prepared for:

Elmira City School District
Building and Grounds Department
733 Benjamin Street
Elmira, New York 14901

Prepared by:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Addendum #8 – DRAFT

Revisions to ISMP Notification/Work Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	5/20/2021	Updated location of new baseball field scoreboard due to inground structures.	5/25/2021
2	5/28/2021	Updated to include soil excavation by the ECSD contractor.	6/3/2021
3	4/6/2022	Updated to include removal of temporary concrete washout and soils adjacent to Fieldhouse 1.	4/12/2022
4	5/2/2022	Updated to include installation of posts for football netting surrounding field end zones.	5/4/2022
5	5/19/2022	Updated to include installation of posts for chain link and decorative fencing within the Football Field Complex.	5/26/2022
6	8/17/2022	Updated to include installation of Fieldhouse 2 trench drain.	8/19/2022
7	12/9/2022	Updated to include reconstruction of baseball field scoreboard foundation	2/6/2023
8		Updated to include installation fence posts along the north and southeast of the football field and along the western boundary of the shotput/discus area.	

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ISMP NOTIFICATION/WORK PLAN

ELMIRA HIGH SCHOOL FOOTBALL FIELD COMPLEX COVER SYSTEM
ELMIRA, NEW YORK

ADDENDUM #8

1.0 INTRODUCTION

This Addendum is submitted to the New York State Department of Environmental Conservation (NYSDEC) because the ISMP Notification/Work Plan for the EHS FFC Cover System dated March 30, 2021 (revised April 26, 2021), approved by the NYSDEC on May 4, 2021, is being amended to include fence post installation activities as part of the Capital Improvement Project by the Elmira City School District (ECSD).

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive activities:

1. The installation of approximately 210 feet of fencing with fence posts installed at a 10-foot spacing along the northern boundary of the football field (see Appendix A for the fence alignment). Approximately 23 fence posts will be installed consisting of auguring post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augurs for end and corner posts. Each 12-in diameter foundation (approximately 18 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 5 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 4.4 CY. All augured soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3 and 4 on design drawing, Drawing No. L6.4 in Appendix B.

2. The installation of 1 fence post located southeast of the football field and south of the grandstands (see Appendix A for the post location). The fence post is being installed to support a pedestrian gate. The work consists of auguring the post foundation to a depth of 5 feet below the final cover system grade. The post foundation will be excavated using a 12-inch diameter auger and is estimated to generate approximately 0.15 CY of soil. All augured soil will be containerized into a drum and deposited into a lined roll-off dumpster for temporary staging to allow for waste characterization sampling followed by offsite disposal. The boring will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 3 on design drawing, Drawing No. L6.4 in Appendix B

3. The installation of approximately 200 feet of fencing with fence posts installed at a 10-foot spacing along the west boundary of the shotput/discus area (see Appendix A for the fence alignment). Approximately 21 fence posts will be installed consisting of auguring post foundations to a depth of 5 feet below the final cover system grade. Post foundations will be excavated using 12-in diameter augers for regular fence post and 18-in diameter augurs for end and corner posts. Each 12-in diameter foundation (approximately 19 posts) is estimated to generate 0.15 CY of soil, and each 18-in diameter foundation (approximately 2 posts) is estimated to generate 0.33 CY of soil. The total removed soil volume is estimated to be up to 3.5 CY. All augured soil will be containerized into a lined roll-off dumpster for temporary staging to allow for waste

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Additional fence post.

Northern FFC Fence Installation - see Drawing CA-L16R for revision.

D14

D15

Discus/Shot-Put area fencing.

6' CHAIN LINK FENCE

~MULCH~

~CONCRETE~

~OUTFIELD GRASS~

~DIRT INFIELD~

~INFIELD GRASS~

NO CHAINLINK UNDER THIS SECTION

~DUGOUT~

~BUILDING~

~CONCRETE~

~ASPHALT~

FIELDHOUSE #1

FIELDHOUSE #2

CONCRETE SIDEWALK

ALTERNATE 2

ALTERNATE 1

MAINTENANCE VEHICLES ONLY

~CONCRETE SIDEWALK~

STREET BOUNDARY

SOUTH MAIN STREET

PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH CHEMUNG COUNTY REQUIREMENTS.

1 SCALE: 1"=30'

M R M L

SITE IMPROVEMENT NOTES

1. PROVIDE 5' THICK FIBER REINFORCED CONCRETE SIDEWALK AND SUBBASE, SEE DETAIL 1/L6.4.
2. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 2/L6.4.
3. PROVIDE 6' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4
4. PROVIDE 4' TALL VINYL COATED CHAINLINK FENCE - COLOR BLACK, SEE DETAIL 3/L6.4. FENCE AROUND TRACK TO HAVE BOTTOM RAIL.
5. PROVIDE VINYL COATED, 10' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
6. PROVIDE VINYL COATED, 4' WIDE, SINGLE MAN GATE WITH STRONG ARM LATCH, SEE DETAIL 5/L6.4.
7. PROVIDE CUSTOM CROSS KNOTLESS NETTING BY SPORTSFIELD SPECIALTIES ON EXISTING POLES. NETTING TO TIE INTO TOP OF CHAINLINK FENCE TO TOP OF EXISTING POLES. VERIFY TOTAL HEIGHT OF EXISTING BASEBALL NETTING POLES IN FIELD.
8. PROVIDE CONCRETE MOW STRIP UNDER FENCE, SEE DETAIL 7/L6.4.
9. PROVIDE HOME GRANDSTAND, CONCRETE PAD, AND FOUNDATIONS. SEE DETAIL 1/L7.1.
10. PROVIDE ALL ALUMINUM SUPPORTED VISITOR BLEACHERS, CONCRETE PAD, AND MEDIA PLATFORM, SEE DETAILS ON SHEET L7.2.
11. PROVIDE TRACK SURFACING TO BE BLACK WITH CUSTOM COLOR EXCHANGE ZONES, SEE SPECIFICATIONS. COORDINATE ELEVATIONS WITH SURFACING INSTALLER. SEE DETAIL 9+12/L6.5.
12. PROVIDE SYNTHETIC TURF SYSTEM INCLUDING PAD. GRAPHICS TO INCLUDE CENTER LOGO WITH CUSTOM RED COLOR, AND ZONE LETTERING, (CUSTOM RED LETTERS, WHITE OUTLINE, BLACK BACKGROUND), SIDELINE LETTERING, GHOST 44 YARD LINE, DROP SHADOW YARD NUMBERS INCLUDING RED. SEE DETAIL 1/L6.3, 18/L6.2, AND 9/L6.5. PROVIDE DRAINAGE STONE AND FLAT PANEL DRAIN AND CURBING. CUSTOM RED COLOR TO BE PANTONE 1955C.
13. PROVIDE 8' TALL REMOVABLE BACKDROP BALL NETTING BY SPORTSFIELD SPECIALTIES. PROVIDE BREAKS IN NETS AT CORNERS, SEE DETAIL 3/L6.5.
14. PROVIDE FLUSH CONCRETE CURB NAILER AT D-ZONES. PROVIDE THE 8' TALL BACKDROP BALL NETTING CENTERED IN CONCRETE, SEE DETAIL 34+5/L6.5.
15. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD / VIDEO BOARD FOR STADIUM, SEE DETAIL 10/L6.4.
16. PROVIDE PLAY CLOCKS, POSTS, AND FOUNDATIONS AT ENDS OF D-ZONES, SEE DETAIL 9/L6.4.
17. PROVIDE YELLOW ROTATING FIELD GOAL POSTS AND PADS WITH LETTERING. SEE DETAIL 1/L6.5.
18. PROVIDE SOCCER GOALS WITH SAFETY SYSTEM AND MOBILITY KIT BY SPORTSFIELD SPECIALTIES.
19. PRESSBOX / FIELDHOUSE #1 SEE ARCHITECTURAL DRAWINGS.
20. PROVIDE STEEPLECHASE PIT USING MODULAR FORMING SYSTEM, PIT HURDLE, PIT COVERS, AND 4 STEEPLE BARRIER SET, SEE DETAIL 4/L6.3.
21. PROVIDE JUMP PITS, SAND CATCHES, AND COVERS, SEE DETAIL 4/L6.5
22. MEMORIAL WALL SEE ARCH.
23. PROVIDE POLE VAULT RUNWAY STRIPING, PLANT BOX, AND STANDARDS FORMING KIT BY SPORTSFIELD SPECIALTIES, SEE DETAIL 7/L6.5.
24. PROVIDE DISCUS THROW RING, CAGE, NETTING, AND 14' TALL EXTENSION NETTING BY SPORTSFIELD SPECIALTIES, SEE DETAIL 10+1/L6.5.
25. PROVIDE SHOT PUT THROW RING CAGE, NETTING, AND STONE DUST LANDING AREA, SEE DETAIL 5,6+8/L6.5.
26. (ALTERNATE 3) - PROVIDE (5) CHARLIE TABLES BY LANDSCAPE FORMS. MOUNT TABLES TO ASPHALT VIA DRILLING AND GROUT.
27. PROVIDE 35-FOOT-TALL FLAG POLE, SEE DETAIL 6/L6.4.
28. PROVIDE 8' WIDE 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
29. PROVIDE 20' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH, SEE DETAIL 4/L6.4.
30. PROVIDE 3'x3' VINYL COATED CHAINLINK DOOR THROUGH FENCE AT 24' ABOVE GRADE AT LOCATIONS SHOWN. DOORS TO BE EQUIPPED WITH STRONG ARM LATCH.
31. PROVIDE MEMORIAL BOULDER ON 8" THICK CONCRETE PAD, SEE DETAIL 2/L6.3. BOULDER REINSTALLED BY SOIL REMEDIATION CONTRACTOR.
32. PROVIDE CONCRETE PAD, SEE STRUCTURAL DETAIL 7/S3.1.
33. PROVIDE 4" DEEP COMPACTED CRUSHER RUN ON MIRAFI 500X AS SHOWN OR APPROVED EQUAL.
34. PROVIDE ACCESSIBLE LINE STRIPING, SYMBOLS, AND SIGNAGE AS SHOWN, SEE DETAIL 6/L6.4.
35. PROVIDE 4" WIDE WHITE LINE STRIPING.CONFIRM STRIPING COLOR AND LAYOUT WITH OWNER PRIOR TO STRIPING.
36. PROVIDE "AUTHORIZED VEHICLES ONLY" SIGNAGE, SEE DETAIL 13/L6.5.
37. PROVIDE STOP SIGN AND STOP BAR, SEE DETAIL 12/L6.4.
38. PROVIDE DIRECTIONAL ARROW LINE PAVEMENT MARKINGS TYPICAL AS SHOWN, SEE DETAIL 1 6/L6.5.
39. PROVIDE 6' - 12" DIA. RIP-RAP ON GEOTEXTILE FABRIC, SEE DETAIL 3/L6.3.
40. PROVIDE STEEL STRUCTURES, FOUNDATIONS, AND SCOREBOARD FOR BASEBALL, SEE DETAIL 1 1/L6.4.
41. NOT USED.
42. PROVIDE 14' WIDE, 6' TALL, MONTAGE PLUS DOUBLE SWING GATE BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 7/L6.3.
43. PROVIDE 24' WIDE 6' TALL TRANSPORT 11 MAJESTIC SLIDE GATE BY AMERISTAR OR APPROVED EQUAL, SEE DETAIL 8/L6.3.
44. PROVIDE 6' TALL, MONTAGE PLUS FENCING BY AMERISTAR - STYLE MAJESTIC, SEE DETAIL 6/L6.3. SEE ARCH DRAWINGS FOR PILLARS.
45. PROVIDE TACTILE WARNING AND CURB RAMP, SEE DETAIL 9/L6.3.
46. PROVIDE 9' TALL VINYL COATED CHAINLINK FENCE WITH BLACK PRIVACY SLATS. FENCE TO BE BASE PLATE MOUNTED TO CONCRETE SIDEWALK - COLOR BLACK, SEE DETAIL 3/L6.4.
47. PROVIDE FOUR BOLLARDS AROUND TRANSFORMER, SEE DETAIL 2/L6.2 #10/L6.3.
48. PROVIDE INTEGRAL CONCRETE CURB, SEE DETAIL 11/L6.3.
49. NOT USED.
50. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE, COLOR BLACK, SEE DETAIL 3/L6.4.
51. PROVIDE ASPHALT PAVEMENT AND SUBBASE TO MATCH WHAT IS IN STREET SECTION.
52. PROVIDE LIGHT POLES, FIXTURES, AND POLE BASES. SEE ELECTRICAL PLANS, SEE DETAIL 2/L6.2.
53. NOT USED
54. PROVIDE VINYL COATED, 12' WIDE DOUBLE SWING GATE WITH STRONG ARM LATCH. SEE DETAIL 4/L6.4.

GENERAL NOTES:

1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	
2	12/29/2020	REISSUED FOR BID	
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DRAWN BY : SSV
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SCALE : AS NOTED

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SITE IMPROVEMENT PLAN

ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS

ELMIRA CITY SCHOOL DISTRICT

777 SOUTH MAIN STREET, ELMIRA, NY 14904

L2.1

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE #1 SED # 07-06-00-01-2-044-025 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-079-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-081-001

1.0 INTRODUCTION

Sterling Environmental Engineering, P.C., (STERLING) has prepared this Notification/Work Plan to notify the New York State Department of Environmental Conservation (NYSDEC) of planned ground intrusive work at the Former Sperry Remediation Site in compliance with the provisions of the Interim Site Management Plan (ISMP) as part of the North Athletic Fields (NAF) restoration project on behalf of the Elmira City School District (ECSD).

Ground intrusive activities are required to be performed in accordance with the Excavation Work Plan (EWP), Appendix G of the ISMP. The format and content of this Notification/Work Plan is based on the requirement provided in Section G-1 of the EWP.

2.0 DESCRIPTION OF WORK

The ISMP Notification/Work Plan includes the following ground intrusive augering activities:

1. The installation of two concrete post foundations for electric supply panels. The foundation locations are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered to a depth of 5 feet below the final cover system grade using a 12-in diameter auger. Each 12-in diameter foundation is estimated to generate 0.15 CY of soil (0.30 CY total). As shown in Appendix C, the posts are located in areas where native soil may be encountered. Augured borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place.

2. The installation of approximately 650 linear feet of perimeter fencing for the softball field and 1,100 linear feet of perimeter fencing for the baseball field. Fence posts will be installed at a spacing of 10 feet, which corresponds to approximately 175 fence posts that will be augered to a depth of 5 feet below the final cover system grade. The fence alignments are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered using 12-in diameter augers for regular fence post and 18-in diameter augers for end and corner posts. Each 12-in diameter foundation is estimated to generate 0.15 CY of soil, and each 16-in diameter foundation is estimated to generate 0.26 CY of soil. As shown in Appendix C, approximately 450 linear feet of softball field fencing and approximately 780 linear feet of baseball field fencing are located in areas where the depths of native material may be encountered (approximately 123 posts). The remaining fencing will be installed in areas with at least 5 feet of imported backfill that will not require management. Therefore, the quantity of soil requiring management is estimated to be up to 21 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Details 3, 5, and 6 on design drawing, Drawing No. L6.3 in Appendix B.

#2- Depth of perimeter fence posts decreased from 5' to 4' below ground surface

3. The installation of three post foundations for the aluminum sliding gate located at the western property boundary adjacent to O'Gorman Street. The foundation locations are shown in Appendix A and construction details are shown in Appendix B. Post foundations will be augered to a depth of 5 feet below the final cover system grade using a 16-in diameter auger. Each 16-in diameter foundation is estimated to generate 0.26 CY of soil. As shown in Appendix C, all posts are located in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 0.80 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 1 on design drawing, Drawing No. L6.4 in Appendix B.

4. The installation of four post foundations for foul poles for the baseball and softball fields. The post foundation locations are shown in Appendix A and construction details are shown in Appendix B. Pending final foundation design, the post foundations are assumed to be augered to a depth of 11.5

#4- Depth of foul poles decreased from 11.5' to 9' below ground surface

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feet below the final cover system grade using a 30-inch diameter auger. Each 30-inch diameter foundation is estimated to generate 2.1 CY of soil. As shown in Appendix C, all foul posts except the softball third base post are in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 6.3 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 10 on design drawing, Drawing No. L6.3 in Appendix B.

5. The installation of approximately 150 linear feet of backstop fencing for the softball field and 160 linear feet of backstop fencing for the baseball field. Fence posts will be installed at a spacing of 10 feet, which corresponds to approximately 31 posts that will be augered to a depth of 11.5 feet below the final cover system grade using a 30-in diameter auger. The fence alignments are shown in Appendix A and construction details are shown in Appendix B. Each 30-in diameter post is estimated to generate 2.1 CY of soil. As shown in Appendix C, all backstop fencing is in areas where native soil may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 65 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 7 on design drawing, Drawing No. L6.3 in Appendix B. Pending final foundation design, the intermediate post may be installed to shallower depths, which will reduce the total soil quantity requiring management.

#5- Backstop netting decreased from 11.5 to 9' below ground surface

6. The installation of eight post foundations for two batting cages. The post foundation locations are shown in Appendix A and construction details are shown in Appendix B. Posts foundations will be augered to a depth of 7 feet below the final cover system grade using a 30-inch diameter auger. Each 30-inch diameter foundation is estimated to generate 1.3 CY of soil. As shown in Appendix C, all posts are located in areas where the depths of native material may be encountered. Therefore, the quantity of soil requiring management is estimated to be up to 10.4 CY. Borings will be backfilled with concrete up to the final surface grade and surrounding a sleeve to hold the posts in place. The installation details are provided as Detail 5 on design drawing, Alternate Drawing No. L6.3 in Appendix B.

Soil removed from all excavation locations and cover reconstruction activities will be handled, stored, and disposed of per this ISMP notification, and described further in Section 5.0.

A fully completed ISMP Activity Log will be submitted to NYSDEC prior to initiating the work.

3.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

The intrusive activities for the NAF electric panel, fence posts, swing gate, foul poles, backstop posts, and batting cage posts will occur entirely within the NAF IRM 5A2 work limits. A summary of environmental conditions is presented in Appendix C that includes a “heat map” showing the thickness of imported soil above demarcation layer within the NAF.

4.0 WORK SCHEDULE

Construction activities described in this ISMP are scheduled to be initiated as soon as possible following NYSDEC approval and contractor availability, but no later than August 1, 2023. A completed ISMP Activity Log will be submitted indicating the actual start date, schedule for construction completion, and a schedule for report deliverables.

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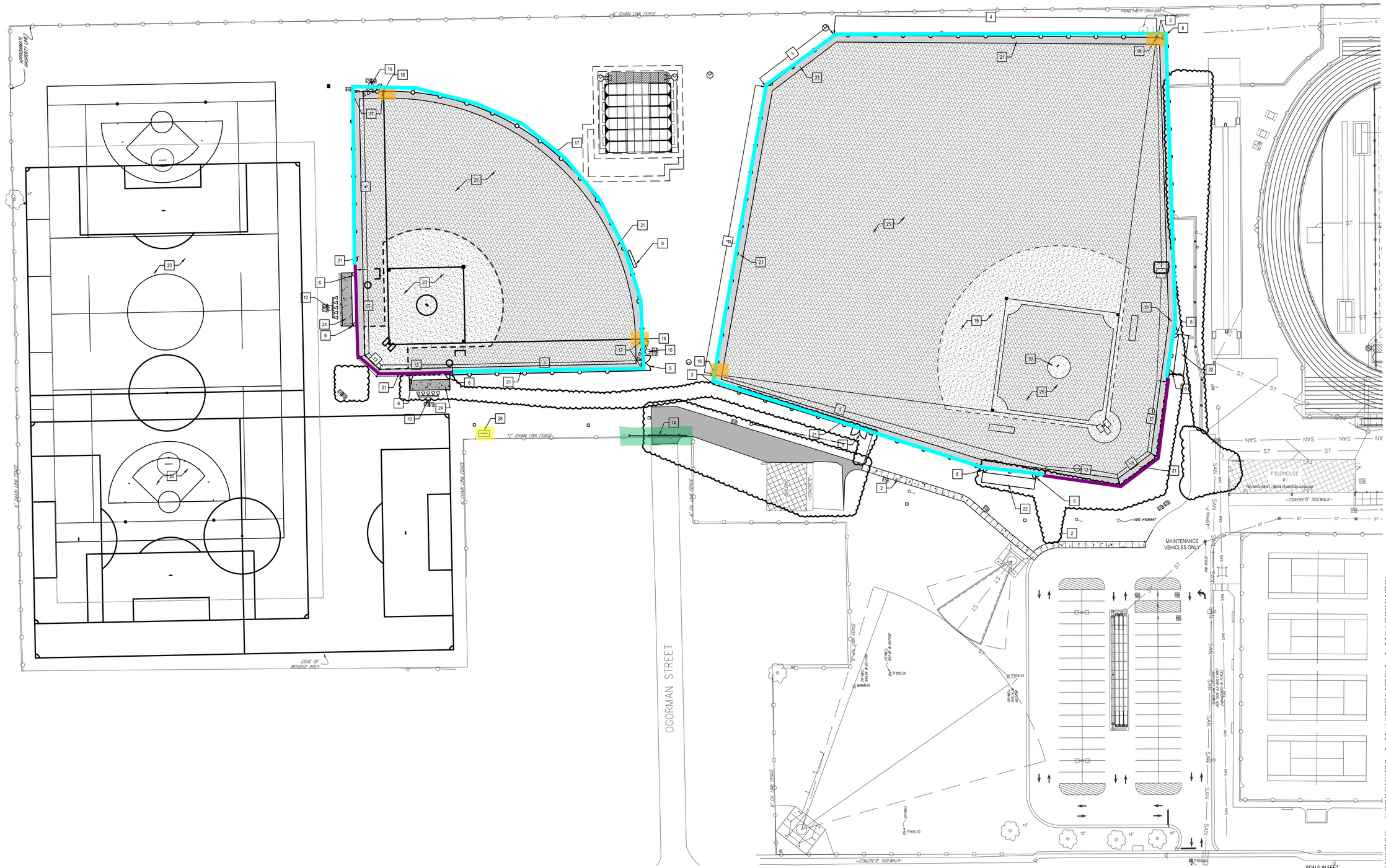
GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3.
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
(ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.



1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

STATE OF NEW YORK
TIMOTHY KANE STID
No. 080085
PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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SITE IMPROVEMENT PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

EHS: 07-06-00-01-0-045-026; Fieldhouse #1: 07-06-00-01-3-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001

L2.2

PROJECT NO: 2012-238

GENERAL NOTES

1. EXISTING IRRIGATION IS NOT YET INSTALLED OR BEING SHOWN IN AN APPROXIMATE LOCATION. WILL BE INSTALLED DURING CONSTRUCTION.
2. THE SITE IS BEING RESTORED AFTER SOIL REMEDIATION MEASURES, CONTRACTUALLY, THE SOIL REMEDIATION CONTRACTOR IS RESPONSIBLE FOR BACKFILL AND RESTORATION A COVER SYSTEM IS OF CLEAN IMPORTED MATERIAL IS TO BE INSTALLED NO LESS THAN 2'-6" BELOW FINISH GRADE. COVER SYSTEM INCLUDE AN IMPORTED GRANULAR FILL METING NYSDOT TYPE 4 SPECIFICATION AND 6" OF TOPSOIL IN LAWN AREAS, SAID CONTRACTOR IS RESPONSIBLE FOR SEEDING, SOD, EROSION AND SEDIMENT CONTROL. IMPORTED GRANULAR FILL CAN BE REUSED ON SITE OR TURNED OVER TO THE REMEDIATION CONTRACTOR.
3. ALL WORK WILL REQUIRE STRICT COORDINATION BETWEEN ALL CONTRACTORS ON SITE. SCHEDULE REFLECTS MULTIPLE CONTRACT WORK PREFORMED AT THE SAME TIME.
4. CONTOURS SHOWN AS EXISTING ON PLAN REPRESENT THE ELEVATION AT WHICH THE IMPORTED BACKFILL MATERIAL ENDS AND A DEMARCATION LAYER IS FOUND.
5. FOR NEW PAVED SURFACES, IT IS EXPECTED THAT THE REMEDIATION CONTRACTOR WILL PROVIDE GRANULAR FILL UP TO THE ELEVATION REQUIRED FOR PAVEMENT DETAIL, TRUE AND LEVELING AND ELEVATION CONFIRMATION MAY BE REQUIRED.
6. ASSUME AUGURED FOUNDATIONS WILL PENETRATE DEMARCATION LAYER AND SOIL MANAGEMENT ACTIVITIES WILL BE REQUIRED FOR SOIL MANAGEMENT.
7. DEMARCATION LAYER IS REQUIRED.WHERE DISTURBED. ASSUME DEMARCATION IS INSTALLED.
8. EXCAVATED SPOILS. QUALIFYING AS IMPORTED MATERIAL, PREVIOUSLY INSTALLED BY REMEDIATION CONTRACTOR, CAN BE USED FOR REQUIRED IMPORTED FILL WITHIN THE PROJECT SITE. ANY REMAINING IMPORT MATERIAL SHALL BE RELINQUISHED TO SOIL REMEDIATION.
9. ALTHOUGH NOT SHOWN ON THIS PLAN, EXCAVATIONS ARE CURRENTLY BEING PREFORMED BY THE REMEDIATION CONTRACTOR TO PROVIDE THE DISTRICT WITH BACKFILLED IMPORT MATERIAL SO THAT NO NATIVE SOILS WILL BE ENCOUNTERED. SUCH AREAS INCLUDE, DUGOUTS, PRESSBOX, AND STORM CHAMBER.

Softball foul poles

Softball fence posts 4'deep, 2.5' diameter

Softball backstop posts

Baseball foul poles

Baseball fence posts 4'deep, 2.5' diameter

Baseball backstop Posts

Swing Gate Posts

LIMIT OF CONTRACT

12' CHAIN LINK FENCE

6' CHAIN LINK FENCE

EDGE OF WOOD LINE

FIELDHOUSE FFE 856.63

CONCRETE SIDEWALK

CONC. CURB

OGORMAN STREET

SOUTH MAIN STREET

1 SITE GRADING PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
TIMOTHY KANE SEAN
No. 085005
EXP. 11/30/2023

DRAWN BY:	SSV
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DATE:	4/4/2022
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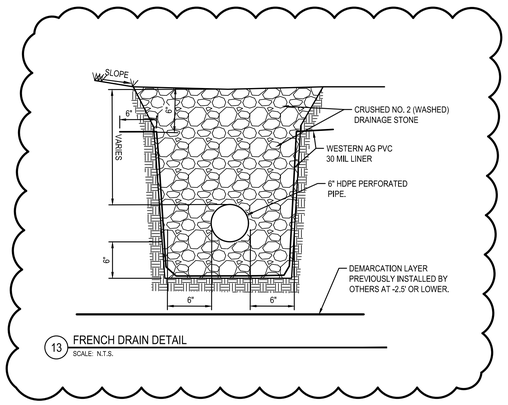
SITE GRADING PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS
ELMIRA CITY SCHOOL DISTRICT
777 S MAIN ST, ELMIRA, NY 14904

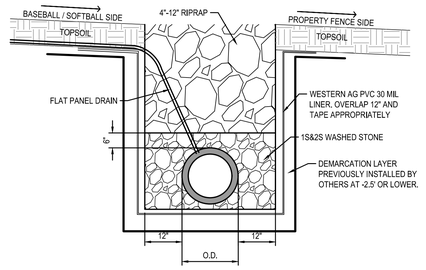
L4.2

PROJECT NO: 2012-238

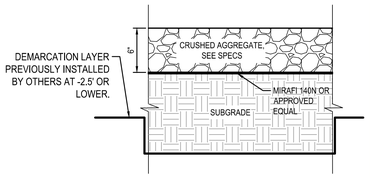
EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box @ Baseball: 07-06-00-01-7-082-001; Press Box @ Softball: 07-06-00-01-7-083-001



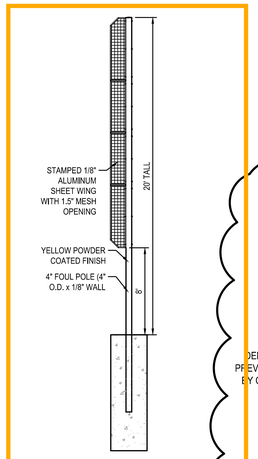
13 FRENCH DRAIN DETAIL
SCALE: N.T.S.



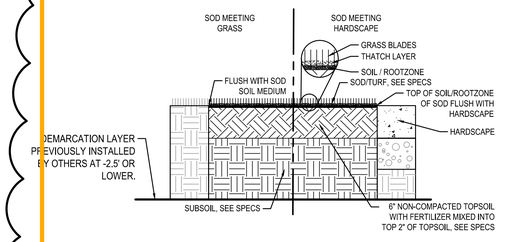
12 PERFORATED COLLECTOR PIPE WITH LINER
SCALE: 1" = 10'



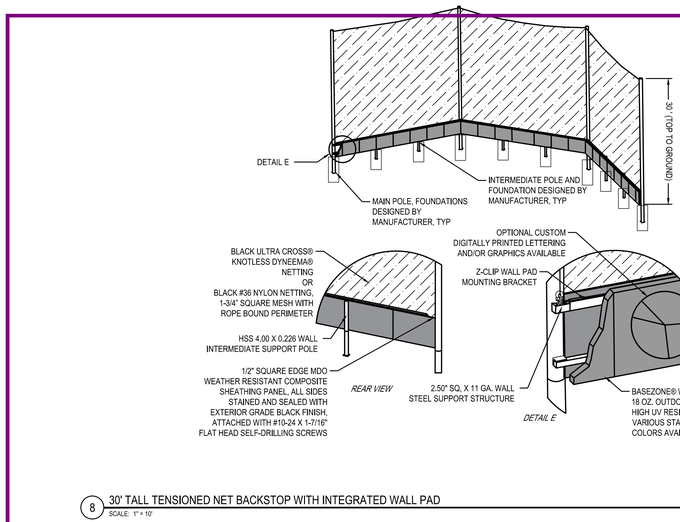
11 WARNING TRACK
SCALE: N.T.S.



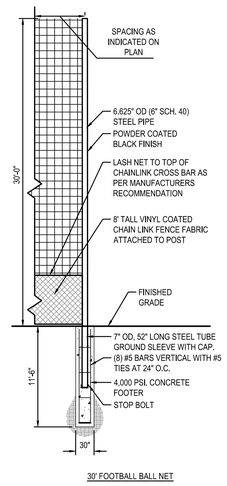
10 FIXED FOUL POLE (20') DETAIL
SCALE: NTS



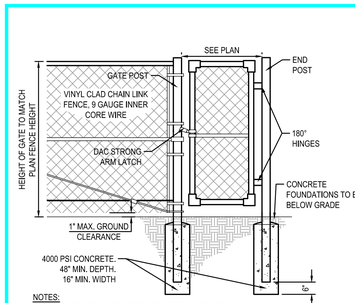
9 SODDED ATHLETIC FIELD
SCALE: N.T.S.



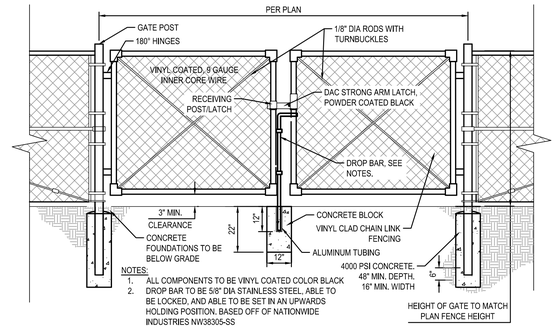
8 30' TALL TENSIONED NET BACKSTOP WITH INTEGRATED WALL PAD
SCALE: 1" = 10'



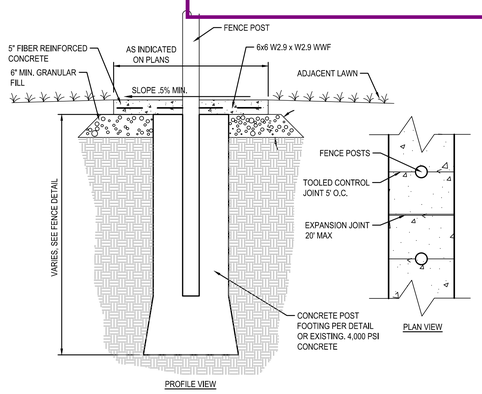
7 BALL NETTING
SCALE: N.T.S.



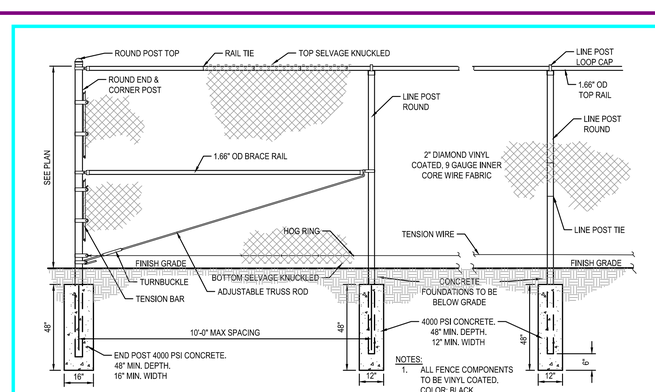
6 CHAINLINK FENCE GATE
SCALE: N.T.S.



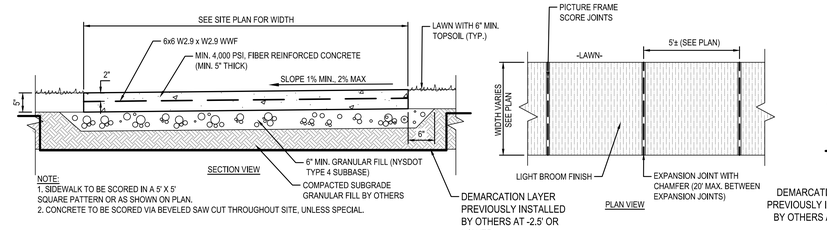
5 DOUBLE SWING GATE DETAIL
SCALE: N.T.S.



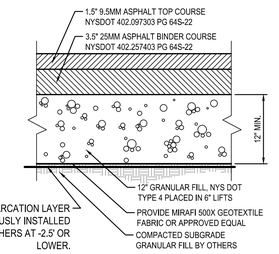
4 CONCRETE MOW STRIP UNDER FENCE
SCALE: N.T.S.



3 CHAIN LINK FENCE DETAIL
SCALE: N.T.S.



2 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



1 STANDARD DUTY ASPHALT PAVEMENT
SCALE: N.T.S.

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SITE DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L6.3

PROJECT NO: 2012-238

TIMOTHY KANE STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER NO. 085008
EXP. 11/30/2023

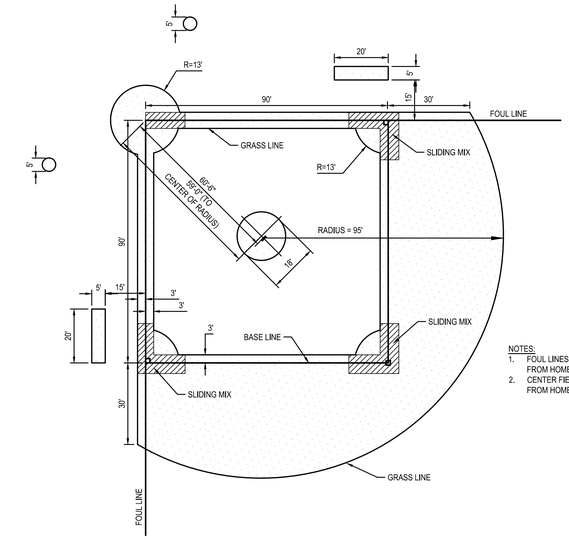
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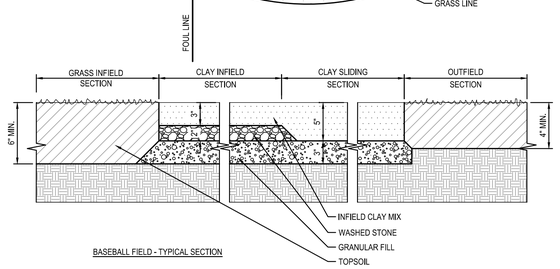
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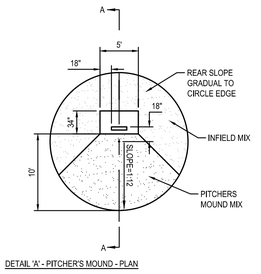
EHS 07-56-00-01-0-016-026; Fieldhouse 81: 07-56-00-01-2-044-003; Press Box @ Baseball: 07-56-00-01-7-082-001; Press Box @ Softball: 07-56-00-01-7-083-001



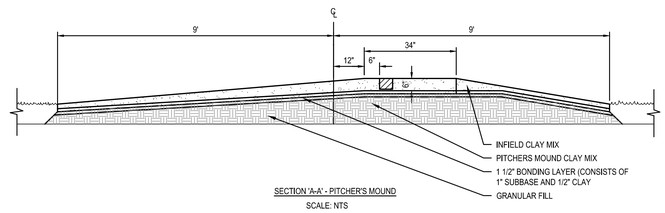
NOTES:
1. FOUL LINES CLEAR OF OBSTRUCTIONS 300' FROM HOME BASE.
2. CENTER FIELD CLEAR OF OBSTRUCTIONS 350' FROM HOME BASE



BASEBALL FIELD - TYPICAL SECTION



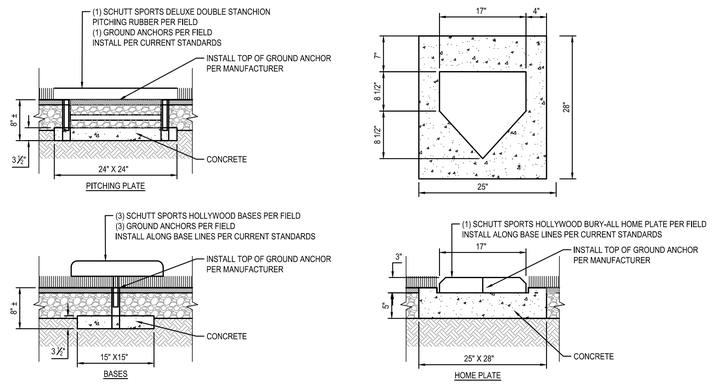
DETAIL 'A' - PITCHER'S MOUND - PLAN



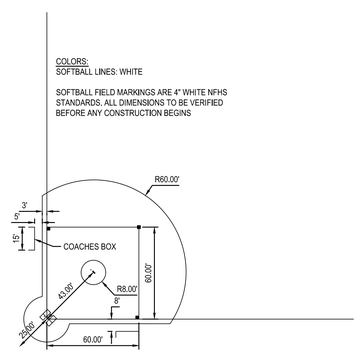
SECTION 'A-A' - PITCHER'S MOUND

SCALE: NTS

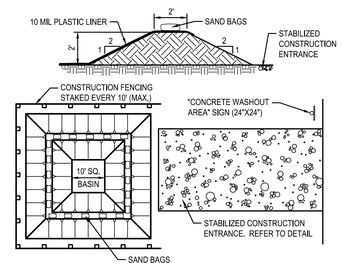
5 BASEBALL FIELD DETAILS
SCALE: N.T.S.



6 BALL FIELD BASE PLATES
SCALE: N.T.S.

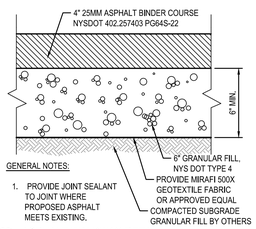


4 SOFTBALL LAYOUT DETAIL
SCALE: N.T.S.



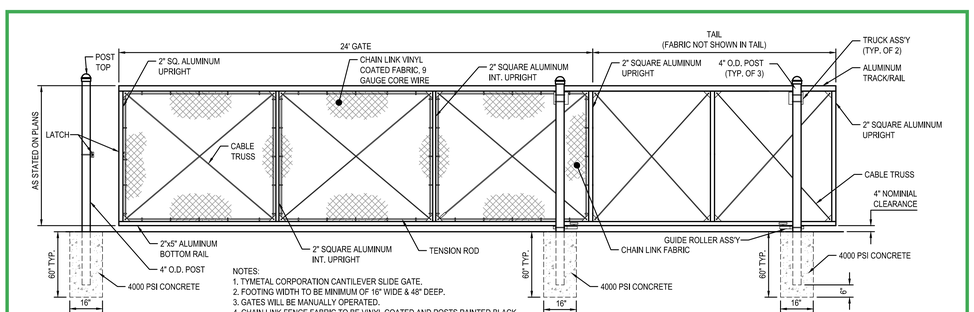
NOTES:
1. ALL TOOLS AND EQUIPMENT UTILIZED DURING ANY CONCRETE CONSTRUCTION, INCLUDING HAND TOOLS, WHEELBARROWS, TRUCKS, CHUTES SHALL UTILIZE THE CONCRETE WASHOUT AREA.
2. WASHOUT AREA TO BE MAINTAINED AND CLEANED OUT PERIODICALLY TO PREVENT WASHWATER AND/OR SOLIDS FROM EXITING THE WASHOUT TRAP.

3 CONCRETE WASH OUT DETAIL
SCALE: N.T.S.



GENERAL NOTES:
1. PROVIDE JOINT SEALANT TO JOINT WHERE PROPOSED ASPHALT MEETS EXISTING.

2 ASPHALT WALKWAY DETAIL
SCALE: N.T.S.



NOTES:
1. TYMETAL CORPORATION CANTILEVER SLIDE GATE.
2. FOOTING WIDTH TO BE MINIMUM OF 16" WIDE & 48" DEEP.
3. GATES WILL BE MANUALLY OPERATED.
4. CHAIN LINK FENCE FABRIC TO BE VINYL COATED AND POSTS PAINTED BLACK.

1 ALUMINUM SLIDING GATE DETAIL
SCALE: N.T.S.

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SITE DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L6.4

PROJECT NO: 2012-238

EHS: 07-06-00-01-0-016-026; Fieldhouse #1: 07-06-00-01-2-044-003; Press Box (@ Baseball: 07-06-00-01-1-082-001; Press Box (@ Softball: 07-06-00-01-1-083-001

LICENSED PROFESSIONAL ENGINEER
STATE OF NEW YORK
TIMOTHY KANE STEED
NO. 080096
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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		REVISION PER DEC COMMENTS	

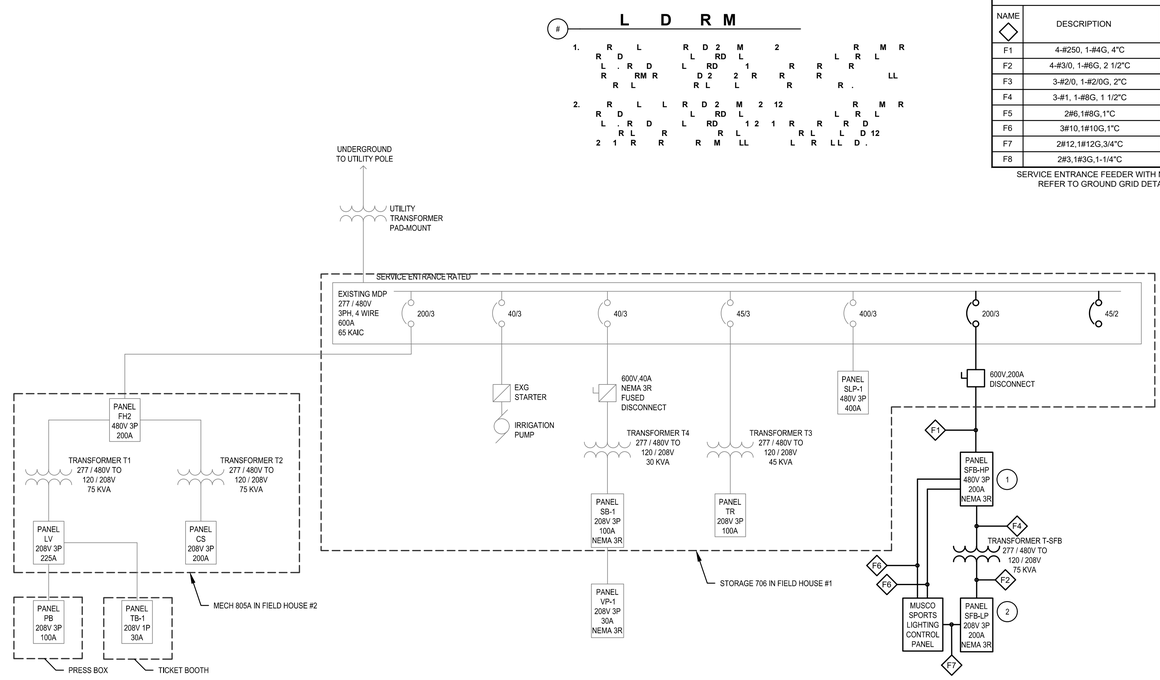
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SPORTS LIGHTING CONNECTION SCHEDULE

CIRCUIT CONTACTOR ID	CIRCUIT DESCRIPTION	LOAD (AMPS)	SOURCE PANEL	CIRCUIT BREAKER	CIRCUIT ROUTING		WIRE & CONDUIT
					FROM	TO	
C1	POLE A1	9.7	SFB-HP	30/3	C1	POLE A1	(3)-#12, (1)-#12 G IN 1"C
C2	POLE A2	9.7	CIRCUIT WITH	30/3	C2	POLE A2	(3)-#12, (1)-#12 G IN 1"C
C3	POLE B1	14.1	SFB-HP	C1	C3	POLE B1	(3)-#6, (1)-#6 G IN 1"C
C4	POLE B2	14.1	CIRCUIT WITH	C2	C4	POLE B2	(3)-#10, (1)-#10 G IN 1"C

MUSCO SPORTS LIGHTING CONNECTION SCHEDULE NOTES:

1. THIS SCHEDULE DESCRIBES THE CONNECTION AND ROUTING OF THE SPORTS LIGHTING CIRCUITS COMING FROM THE MUSCO CONTROL & MONITORING SYSTEM TO THE ASSOCIATED LIGHTING POLES & FIXTURES THAT THEY SERVE.
2. ALL LIGHTING CIRCUIT CONTACTORS IN THE MUSCO CONTROL & MONITORING SYSTEM REQUIRE LINE POWER AND OVERCURRENT PROTECTION FROM AN ELECTRICAL DISTRIBUTION PANELBOARD AND CIRCUIT BREAKER AS SHOWN ABOVE.
3. A DEDICATED CONTROL POWER CIRCUIT IS REQUIRED TO SERVE THE MUSCO CONTROL & MONITORING SYSTEM AND MUST BE IN SEPARATE CONDUIT FROM THE LINE AND LOAD POWER WIRING.

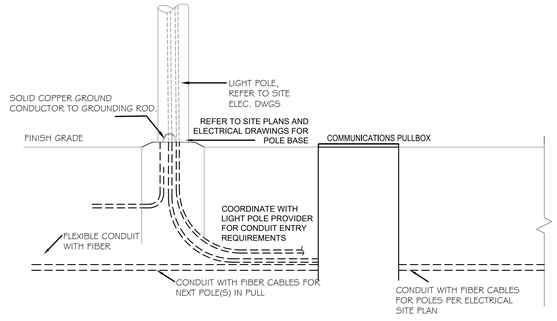


5 POWER ONE-LINE DIAGRAM
SCALE: N.T.S.

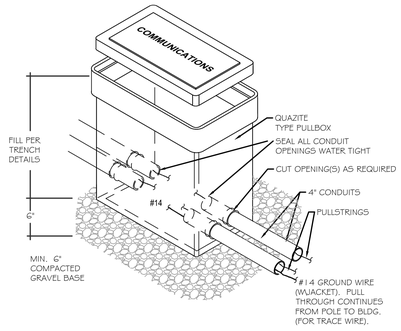
FEEDER SCHEDULE

NAME	DESCRIPTION	MAX. AMPERAGE ASSUMES NO VOLTAGE DROP
F1	4-#250, 1-#4G, 4"C	200
F2	4-#3/0, 1-#6G, 2 1/2"C	200
F3	3-#2/0, 1-#2/0G, 2"C	100
F4	3-#1, 1-#8G, 1 1/2"C	100
F5	2#6, 1#8G,1"C	45
F6	3#10,1#10G,1"C	30
F7	2#12,1#12G,3/4"C	20
F8	2#3,1#3G,1-1/4"C	100

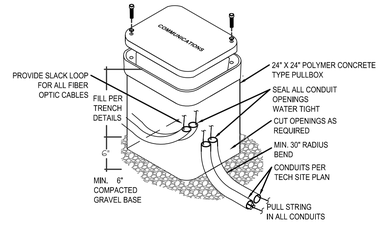
SERVICE ENTRANCE FEEDER WITH NO GROUND. REFER TO GROUND GRID DETAIL.



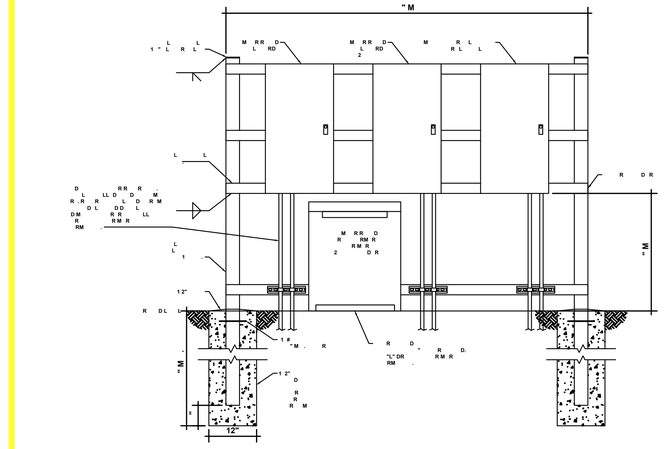
3 CONDUIT TO POLE DETAIL
SCALE: N.T.S.



4 PULLBOX DETAIL
SCALE: N.T.S.



2 PULLBOX DETAIL AT POLES
SCALE: N.T.S.



1 FIELD HOUSE POWER/SPORTS LIGHTING CONTROL STAND
SCALE: N.T.S.

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

DRAWN BY:	KMH
CHECKED BY:	LR
DATE:	4/4/2022
SCALE:	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
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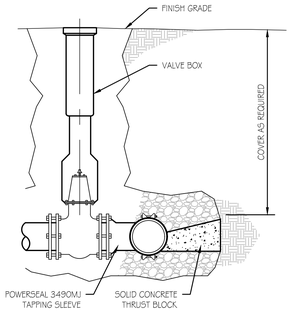
ELECTRICAL SCHEDULES & DETAILS

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS
ELMIRA CITY SCHOOL DISTRICT
777 S MAIN ST, ELMIRA, NY 14904

EHS 07-06-00-01-0-016-005, Fieldhouse #1; 07-06-00-01-0-044-003, Press Box @ Baseball; 07-06-00-01-7-065-001, Press Box @ Softball; 07-06-00-01-7-065-001

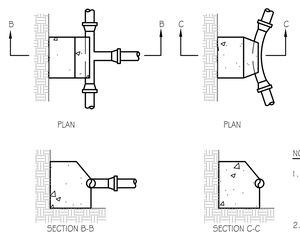
E3.1

PROJECT NO: 2012-238



NOTES:

1. SEE TRENCH RESTORATION DETAILS FOR BEDDING, BACKFILL, AND COMPACTION.

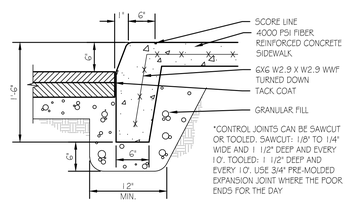


PIPE DIA. (INCHES)	HORIZ. THRUST BLOCK AREA - S.F. 100 P.S.I.G. INTERNAL PRESSURE						
	PLUG OR TEE	90° BEND	60° BEND	45° BEND	30° BEND	22 1/2° BEND	11 1/4° BEND
4	1	1	1	1	-	-	-
6	2	2	2	1	1	-	-
8	3	3	3	2	1	1	-
10	4.5	6	4	3	2.5	2	1
12	6	8	6	4	3	2	1
14 & 16	10	14	10	8	5	4	2

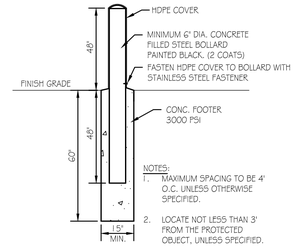
NOTES:

1. ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH. ALL THRUST BLOCKS TO BE FORMED TO AVOID CONCRETE CONTACT WITH BOLT HEADS OR NUTS.
2. CONCRETE MIN. COMPRESSIVE STRENGTH SHALL BE 4000 PSI AT 28 DAYS.
3. THE CONTRACTOR SHOULD ALWAYS CONSIDER TEST PRESSURES WHEN CALCULATING BEARING AREA.
4. THRUST BLOCKS SHALL BE POURED AT ALL BENDS AND TAPPING SLEEVE AND VALVE CONNECTIONS

12 R L D L
SCALE: N.T.S.



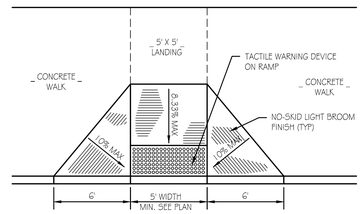
11 R R L R D L
SCALE: N.T.S.



NOTES:

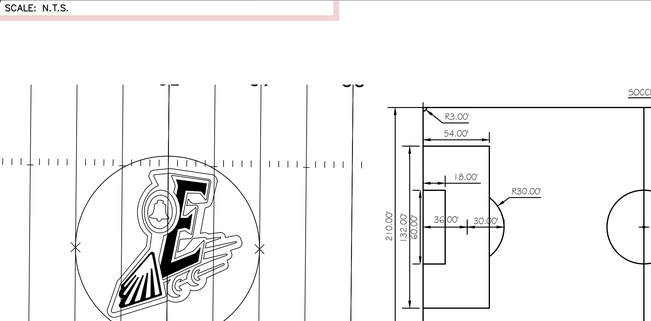
1. MAXIMUM SPACING TO BE 4' O.C. UNLESS OTHERWISE SPECIFIED.
2. LOCATE NOT LESS THAN 3' FROM THE PROTECTED OBJECT, UNLESS SPECIFIED.

1 L LL RDD L
SCALE: N.T.S.

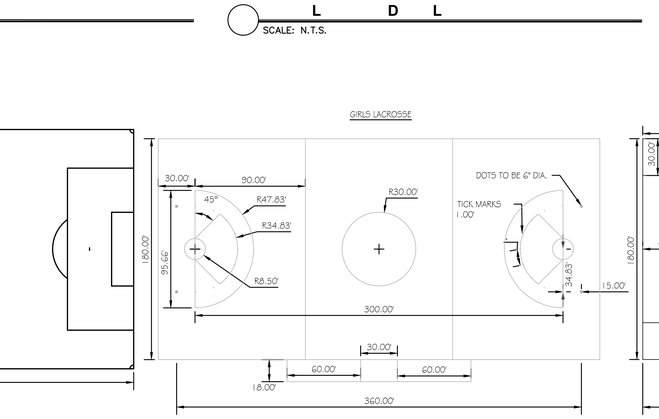


D L R R M L
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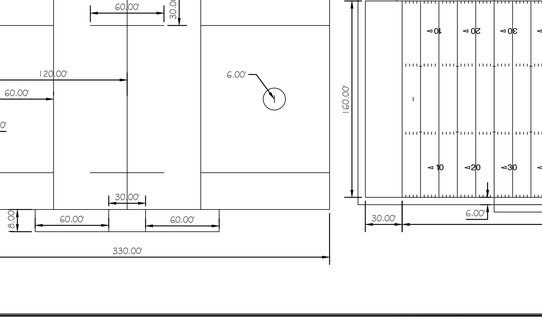
1 L
SCALE: N.T.S.



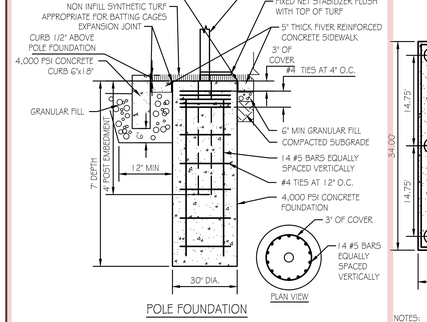
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SCALE: N.T.S.



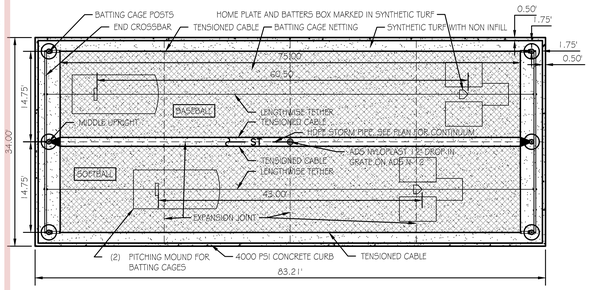
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SCALE: N.T.S.



POLE FOUNDATION

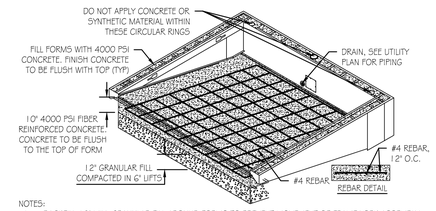


TYPE	MODEL	NET LENGTH	POLE TO POLE
SINGLE TUNNEL	BTTBS	75'-0"	78'-8 5/8"

NOTES:

1. BATTING TUNNEL TO BE DOUBLE WIDTH BATTING TUNNEL BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL.
2. FOUNDATIONS ARE DESIGNED BASED ON SPORTSFIELD SPECIALTIES BASEBALL DOUBLE TENSION OVERHEAD BATTING TUNNEL. IF ANOTHER SUPPLIER IS USED CONTRACTOR WILL BE RESPONSIBLE FOR HAVING FOUNDATION DESIGNED BY A PROFESSIONAL ENGINEER AND INSTALLING TO ANY ADDITIONAL REQUIREMENTS OF THAT DESIGN.
3. PITCHING MOUNDS TO BE BULLPEN MOUND WITH GREEN SYNTHETIC INFILL TURF BY SPORTSFIELD SPECIALTIES MODEL PPBGIT, OR APPROVED EQUAL

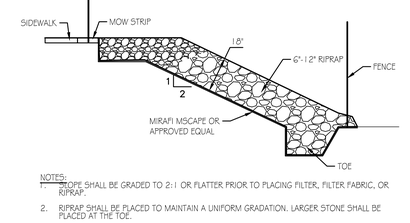
LL L L
SCALE: N.T.S.



NOTES:

1. BACKFILL 12" MIN. GRANULAR FILL AROUND FORMS TO PREVENT MOVEMENT OF FRAMEWORK ASSEMBLY
2. TRACK SURFACING IS TO BE FINISHED TO THE UPPERMOST SURFACE OF THE FORM AND TO THE TOP OF CONCRETE PAD AND BOTTOM OF FORM SCREEN EDGE.
3. STEEPLECHASE TO BE SPORTSFIELD SPECIALTIES MODEL SOWJFS OR APPROVED EQUAL
4. PROVIDE ALUMINUM COVERS WITH TRACK SURFACING, AND HURDLE BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL.

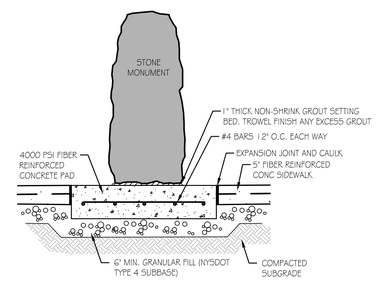
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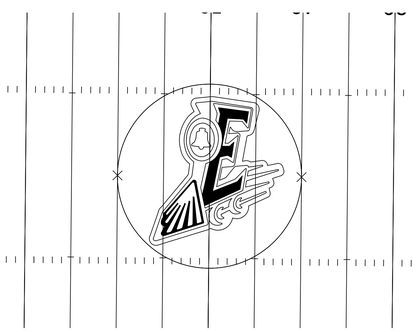
NOTES:

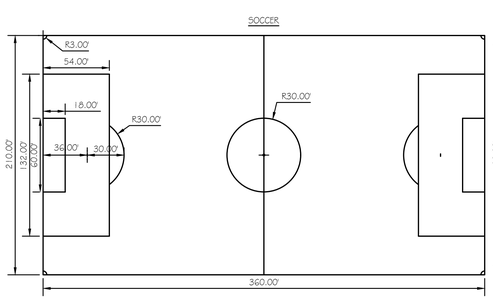
1. SLOPE SHALL BE GRADED TO 2:1 OR FLATTER PRIOR TO PLACING FILTER, FILTER FABRIC, OR RIPRAP.
2. RIPRAP SHALL BE PLACED TO MAINTAIN A UNIFORM GRADATION. LARGER STONE SHALL BE PLACED AT THE TOE.
3. ENDS OF THE RIPRAP SHALL BE KEYED INTO A STABLE BANK. WHEN TYING INTO OTHER STRUCTURES, LARGER RIPRAP CAN BE LAID IN STEPS OR STACKED AS NEEDED TO FIT.
4. REMAINING DISTURBED AREAS SHALL BE GRADED AND PERMANENTLY SEEDED AND MULCHED.

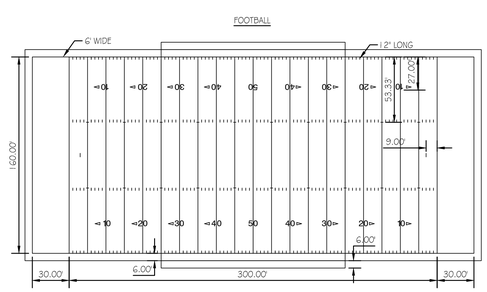
R R R D L
SCALE: N.T.S.



M M
SCALE: N.T.S.







1 R LD L R
SCALE: N.T.S.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
100 Hunt Center, Horseheads, New York 14845 Ph 607-358-1000 Fx 607-358-1800 Offices Rochester | Horseheads | Towanda

DRAWN BY :	SSV
CHECKED BY :	LG
DATE :	6/30/2020
SCALE :	AS NOTED

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	9/30/2020	ISSUED FOR BID	

Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architect's Seal, Is A Violation Of Section 7209, Subdivision 2, Of The New York State Education Law.
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SITE DETAILS
ELMIRA HIGH SCHOOL 2020 STADIUM RENOVATIONS
ELMIRA CITY SCHOOL DISTRICT
777 SOUTH MAIN STREET, ELMIRA, NY 14904

L6.3

PROJECT NO: 2012.226

HIGH SCHOOL SED # 07-06-00-01-0-010-023 / FIELDHOUSE # SED # 07-06-00-01-2-044-002 / FIELDHOUSE #2 SED # 07-06-00-01-7-079-001 / PRESSBOX SED # 07-06-00-01-7-079-001 / TICKET BOOTH SED # 07-06-00-01-7-081-001 / FIELDHOUSE #2 SED # 07-06-00-01-7-078-001

Feature	Area (SF)	Volume (CF)	Volume(CY)
Left Field 10'x42' Dugout (0'-2.5')	358	2,146	79
Left Field 10'x42' Dugout (0'-6")	1,018	6,108	226
Right Field 8'x32' Dugout (0'-2.5')	298	1,788	66
Right Field 8'x32' Dugout (0'-6")	734	4,402	163
Bleachers & Press Box (0'-2.5')	273	683	25
Bleachers & Press Box (0'-7')	717	5,019	186
Infiltration Gallery (8.4' Avg)	1,658	13,924	516
Totals	5,056	34,070	1,261

Area 6

Area 6

D7 2-4
D7 4-6

0-2.5 feet deep excavation
358 SF
2,146 CF
79 CY

0-6 feet deep excavation
1,018 SF
6,108 CF
226 CY

Infiltration Gallery
Chamber Bottom: 850.35
Gravel Base: 0.75 feet thick
Clean Corridor: 2 feet
1,658 SF
Approximate Volume (8.4 ft avg thickness): 13,924 CF, 516 CY

Area 6

Left Field 10x42 Dugout (Part of 6 ft deep excavation)

G5 2-4
G5 4-6

Right Field 8x32 Dugout (Part of 6 ft deep excavation)

0-7 feet deep excavation
174 SF
1,218 CF
45 CY

0-2.5 feet deep excavation
273 SF
683 CF
25 CY

0-6 feet deep excavation
734 SF
4,402 CF
163 CY

Area 6

Bleachers & Press Box (Part of 7 ft deep excavation)
543 SF
3,801 CF
141 CY

0-2.5 feet deep excavation
298 SF
1,788 CF
66 CY

DRAFT

Legend

- IRM-5A2 Excavation Limit
- IRM-5A2 As-Built Bottom of Excavation Contours
- Final Grade Contour
- NAF Future Features
- Proposed Excavation Elevation Point
- 849.5
- Future Bleachers & Press Box
- Future Dugout
- Future Infiltration Gallery
- 2.5 ft deep excavation area
- 6 ft deep excavation area
- 7 ft deep excavation area

Notes:

1) Excavation Limits & As-Built Bottom of Excavation Contours obtained from HUNT Engineers, Architects and Surveyors (Hunt) DWG file: "IRM5A2-SG_8-24-2022.dwg". Final Grade Contours and NAF Future Figures obtained from HUNT DWG File: "SITE-NEW-2D ALT_BID.DWG" . Bleacher and Press Box excavation areas/depths derived from Figure L7.1 of EHS 2022 North Atlantic Field Improvements Contract Documents by HUNT.Dugout excavation areas/depths derived from DG-A1.3 of EHS 2022 North Atlantic Field Improvements Contract Documents by HUNT.
2) SF = Square Feet
3) CF = Cubic Feet
4) CY = Cubic Yards
5) All volume estimates assume excavation from final grade.
6) All depth references are from final grade.

N E S W

0 15 30 ft

Alt-Softball Field Dugout and Press Box ISMP Excavation Areas

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Columbia, Maryland | September 2022

Figure 1

All Samples within 5 feet of Excavation

A6-LP1
Final Grade: 854.31
Subgrade: 852.37
Difference: 1.94
Sample Interval: 852.64 - 852.47

A6-LP-S3
Final Grade: 853.83
Subgrade: 852.34
Difference: 1.49
Sample Interval: 853.62 - 851.62

A6-LP2
Final Grade: 854.36
Subgrade: 852.38
Difference: 1.98
Sample Interval: 852.46 - 851.63

A6-LP-B2
Final Grade: 854.21
Subgrade: 852.62
Difference: 1.59
Sample Interval: 853.82 - 851.82

A6-LP3
Final Grade: 854.42
Subgrade: 852.43
Difference: 1.99
Sample Interval: 851.93 - 850.93

A6-LP-S1
Final Grade: 854.42
Subgrade: 850.04
Difference: 4.38
Sample Interval: 853.28 - 851.28

A6-LP-S2
Final Grade: 854.62
Subgrade: 850.79
Difference: 3.83
Sample Interval: 853.68 - 851.68

A6-LP-B1
Final Grade: 854.88
Subgrade: 852.36
Difference: 2.52
Sample Interval: 854.57 - 852.57

C2

Area of Electrical Excavation in Native

Legend

- Light Pole
- Cover Thickness Contour (ft)
- 2023-04-13 HUNT Final Grade Elevation Contour

Cover Thickness (ft)
- 0 - 2
- 2 - 2.5
- 2.5 - 4
- 4 - 6
- 6 - 8
- 8 - 10

Notes:

11) Estimated Cover Thickness estimated from final grade surface provided in HUNT DWG "SITE-NEW-3D.dwg" dated 04-13-23 and subgrade surface provided in HUNT DWG "IRM5A2-DEMARC_4-14-2023.dwg" dated 04-14-23.
2) ft and ' = feet, SF = Square Feet, CY = Cubic Yards.

0 1.5 3 ft

IRM 5A2 Difference Between Final Grade and Current Subgrade Near C2 Lightpole

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | May 10, 2023

Figure 1

SITE UTILITY NOTES

1. BY OTHERS: PROVIDE 12" DIA HDPE PERIMETER PIPE, SEE DETAIL 8/L6.2. CONTRACTOR TO PROVIDE ADAPTER CONNECTIONS FROM FLAT PANEL DRAIN TO PERIMETER PIPE WITH MANUFACTURERS ADAPTOR CONNECTIONS AND ADS INSERTA-TEE OR APPROVED EQUAL.
2. PROVIDE 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, 15' O.C WITHIN SOFTBALL & BASEBALL FIELDS, SEE DETAIL 1 & 9/L6.2.
3. PROVIDE HDPE STORM PIPE AND SIZE AS INDICATED ON PLAN. SEE LEGEND AND SEE DETAIL 12/L6.2.
4. BY OTHERS: HDPE STORM PIPE AND SIZE AS INDICATED ON PLAN. SEE LEGEND AND SEE DETAIL 12/L6.2.
5. NOT USED.
6. BY OTHERS: 24"x24" MIN. PRECAST CONCRETE CATCH BASIN, SEE DETAIL 10/L6.2.
7. NOT USED
8. SEE ELECTRICAL DRAWINGS FOR POWER AND TECH INFORMATION. SEE DETAIL 5/L6.2 FOR TRENCHING.
9. (ALTERNATE 1) PROVIDE 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, 15' O.C AT PRACTICE FIELDS. SEE DETAIL 1/L6.2. CONTRACTOR TO PROVIDE ADAPTER CONNECTIONS FROM FLAT PANEL DRAIN TO PERIMETER PIPE WITH MANUFACTURERS ADAPTOR CONNECTIONS AND ADS INSERTA-TEE OR APPROVED EQUAL.
10. BY OTHERS: 5' DIA PRECAST CONCRETE STORM MANHOLE WITH OPEN GRATE, SEE DETAIL 11/L6.2.
11. BY OTHERS: STORM CHAMBER SYSTEM AND PRECAST CONCRETE MANHOLES. SEE DETAILS ON SHEETS L6.1.
12. NOT USED.
13. PROVIDE PERFORATED HDPE COLLECTOR STORM PIPE WITH WESTERN AG PVC 30 MIL LINER AND STONE UP TO FINISH GRADE, SEE DETAIL 12/L6.3.
14. PROVIDE CONCRETE WASHOUT AREA, SEE DETAIL 3/L6.4.
15. PROVIDE PERFORATED HDPE COLLECTOR STORM PIPE WITH WESTERN AG PVC 30 MIL LINER AND #2 WASHED CRUSH STONE UP TO FINISH GRADE, SEE DETAIL 12/L6.3.
16. PROVIDE 50' LENGTH 12" FLAT PANEL DRAIN BY HYDRAWAY 2000, SEE DETAIL 1/L6.2. CONNECT TO MH.
17. BY OTHERS: 6" PERFORATED FRENCH DRAIN, SEE DETAIL 13/L6.3.
18. NOT IN CONTRACT: RESERVE AREA FOR FUTURE STORMWATER CHAMBER EXPANSION.

GENERAL NOTES:

1. IRRIGATION DESIGN IS NOT SHOWN, BUT WILL BE DESIGNED AND INSTALLED BY OTHERS AT TIME OF CONSTRUCTION.

LEGEND

- ST — STORM PIPE BY CONTRACTOR
- ST — STORM PIPE BY OTHERS
- E — E — ELECTRICAL LINE
- FLAT PANEL DRAIN
- RIPRAP WITH LINER

4- #4, #6G in 1 1/4" conduit back to field house 1

Location of electrical connection to light pole (C-2) in native

Where does this feed come from?

Where should this enter the building?

This asphalt is remaining.

Existing wire is #8-only good for 20amp
60amp breakers in place,=undersized wire.
to make 60amp breakers correct, wire needs to be #1 in 1 1/2" conduit
To upgrade to 100 amp: 4-1/0 wire, #2G

Are these conduits to extend from existing pull box?

1 SITE UTILITY PLAN
SCALE: 1" = 20'

SCALE IN FEET
0 10 20 40 60
SCALE: 1" = 20'

EHS 07-06-00-01-0-010-006; Fieldhouse #1; 07-06-00-01-2-044-003; Press Box @ Baseball; 07-06-00-01-7-082-001; Press Box @ Softball; 07-06-00-01-7-083-001

STATE OF NEW YORK
TIMOTHY KANE STID
No. 085005
PROFESSIONAL ENGINEER
EXP. 11/30/2023

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

DRAWN BY: SSV
CHECKED BY: LG
DATE: 4/4/2022
SCALE: AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/15/2023	ADDENDUM #1 REVISION PER DEC COMMENTS	

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

SITE UTILITY PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

L5.1

PROJECT NO: 2012-238

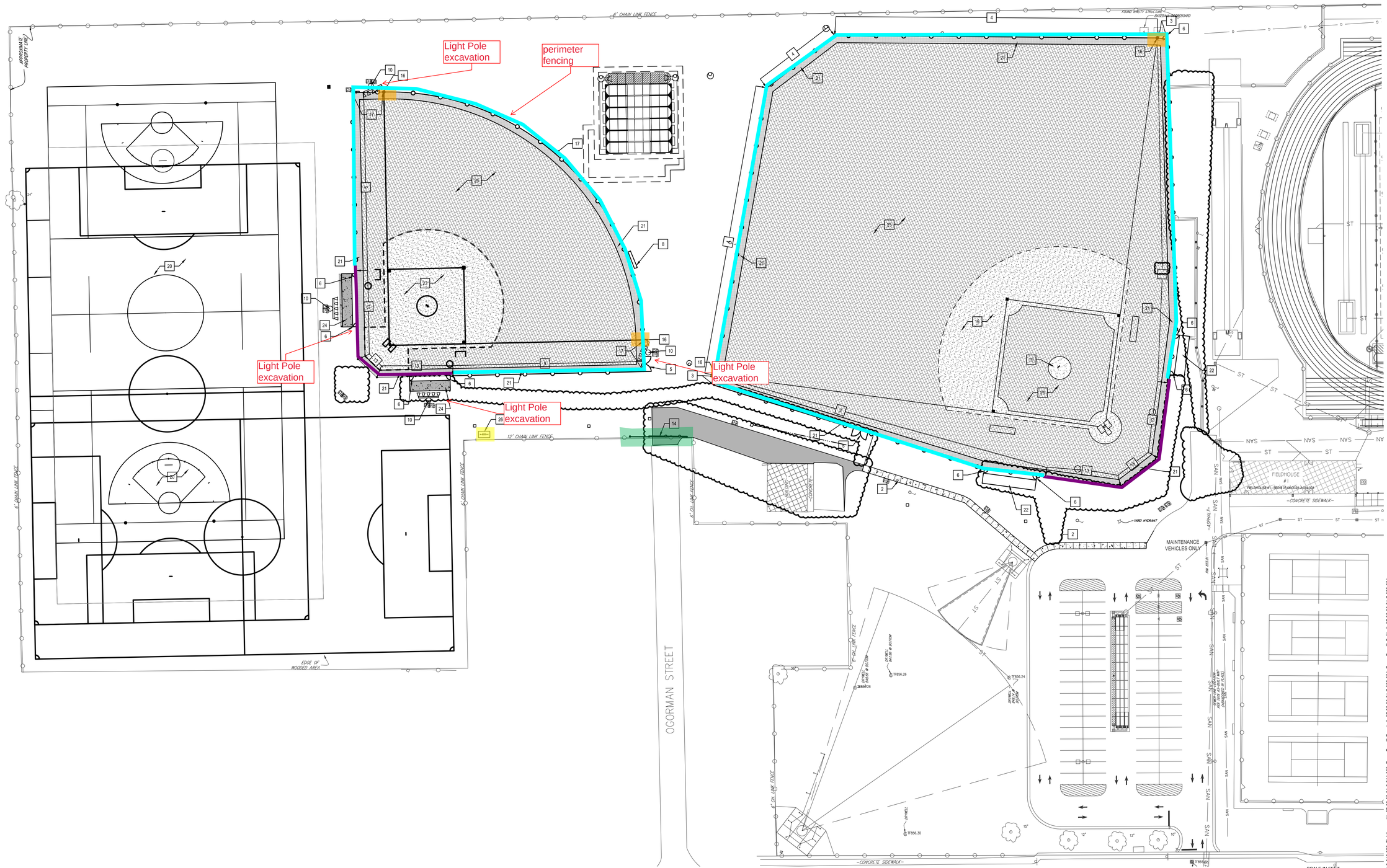
GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3.
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
18. DURAEDGE CLAY INFIELD MIX, SEE DETAIL 5/L6.4.
19. (ALTERNATE 7) BASEBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 5&6/L6.4. MOUND MASTER CLAY BLOCK BY OWNER.
20. (BY DISTRICT) SITE TO BE REESTABLISHED WITH TOPSOIL, SEED/SOD, SEE DETAIL 9/L6.3.
21. (ALTERNATE 3) BASEBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
(ALTERNATE 2) SOFTBALL: PROVIDE 5' WIDE CRUSHED LIMESTONE WARNING TRACK, SEE DETAIL 11/L6.3.
22. BASEBALL DUGOUT FOUNDATIONS BY OTHERS.
23. (ALTERNATE 11) PROVIDE SOFTBALL DURAEDGE INFIELD MIX AND BASES. SEE DETAILS 4,5&6/L6.4.
24. (ALTERNATE 9) SOFTBALL DUGOUT FOUNDATIONS, SEE STRUCTURAL.
25. (ALTERNATE 12) PROVIDE SOD AT BASEBALL AND SOFTBALL FIELDS.
26. 5" THICK CONCRETE SLAB FOR ELECTRICAL PANELS. COORDINATE SIZE WITH ELECTRICAL CONTRACTOR, SEE DETAIL 2/L6.3.



1 SITE IMPROVEMENT PLAN
SCALE: 1" = 30'

SCALE IN FEET
0 15 30 60 90
SCALE: 1" = 30'

STATE OF NEW YORK
TIMOTHY KANE SHEA
NO. 080085
LICENSED PROFESSIONAL ENGINEER
EXP. 11/30/2023

DRAWN BY:	SSV
CHECKED BY:	LG
DATE:	4/4/2022
SCALE:	AS NOTED

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	2/3/2023	ISSUE FOR BID	
2	3/16/2023	ADDENDUM #1	
		REVISION PER DEC COMMENTS	

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SITE IMPROVEMENT PLAN

2022 EHS NORTH ATHLETIC FIELD IMPROVEMENTS

ELMIRA CITY SCHOOL DISTRICT

777 S MAIN ST, ELMIRA, NY 14904

EHS: 07-06-0040-0-016-026: Fieldhouse #1: 07-06-0040-0-044-003; Press Box @ Baseball: 07-06-0040-0-060-001; Press Box @ Softball: 07-06-0040-0-060-001

L2.2

PROJECT NO: 2012-238

Feature	Area (SF)	Volume (CF)	Volume(CY)
Left Field 10'x42' Dugout (0'-2.5')	358	2,146	79
Left Field 10'x42' Dugout (0'-6")	1,018	6,108	226
Right Field 8'x32' Dugout (0'-2.5')	298	1,788	66
Right Field 8'x32' Dugout (0'-6")	734	4,402	163
Bleachers & Press Box (0'-2.5')	273	683	25
Bleachers & Press Box (0'-7')	717	5,019	186
Infiltration Gallery (8.4' Avg)	1,658	13,924	516
Totals	5,056	34,070	1,261

Area 6

Area 6

D7 2-4
D7 4-6

0-2.5 feet deep excavation
358 SF
2,146 CF
79 CY

0-6 feet deep excavation
1,018 SF
6,108 CF
226 CY

Infiltration Gallery
Chamber Bottom: 850.35
Gravel Base: 0.75 feet thick
Clean Corridor: 2 feet
1,658 SF
Approximate Volume (8.4 ft avg thickness): 13,924 CF, 516 CY

Area 6

Left Field 10x42 Dugout (Part of 6 ft deep excavation)

G5 2-4
G5 4-6

Right Field 8x32 Dugout (Part of 6 ft deep excavation)

0-7 feet deep excavation
174 SF
1,218 CF
45 CY

0-2.5 feet deep excavation
273 SF
683 CF
25 CY

0-6 feet deep excavation
734 SF
4,402 CF
163 CY

Area 6

Bleachers & Press Box (Part of 7 ft deep excavation)
543 SF
3,801 CF
141 CY

0-2.5 feet deep excavation
298 SF
1,788 CF
66 CY

DRAFT

Legend

- IRM-5A2 Excavation Limit
- IRM-5A2 As-Built Bottom of Excavation Contours
- Final Grade Contour
- NAF Future Features
- Proposed Excavation Elevation Point
- 849.5
- Future Bleachers & Press Box
- Future Dugout
- Future Infiltration Gallery
- 2.5 ft deep excavation area
- 6 ft deep excavation area
- 7 ft deep excavation area

Notes:

1) Excavation Limits & As-Built Bottom of Excavation Contours obtained from HUNT Engineers, Architects and Surveyors (Hunt) DWG file: "IRM5A2-SG_8-24-2022.dwg". Final Grade Contours and NAF Future Figures obtained from HUNT DWG File: "SITE-NEW-2D ALT_BID.DWG" . Bleacher and Press Box excavation areas/depths derived from Figure L7.1 of EHS 2022 North Atlantic Field Improvements Contract Documents by HUNT.Dugout excavation areas/depths derived from DG-A1.3 of EHS 2022 North Atlantic Field Improvements Contract Documents by HUNT.
2) SF = Square Feet
3) CF = Cubic Feet
4) CY = Cubic Yards
5) All volume estimates assume excavation from final grade.
6) All depth references are from final grade.

N E S W

0 15 30 ft

Alt-Softball Field Dugout and Press Box ISMP Excavation Areas

Former Sperry Remington - North Portion
Elmira, NY

B&B Engineers & Geologists of new york, p.c.

an affiliate of Geosyntec Consultants

Columbia, Maryland | September 2022

Figure 1

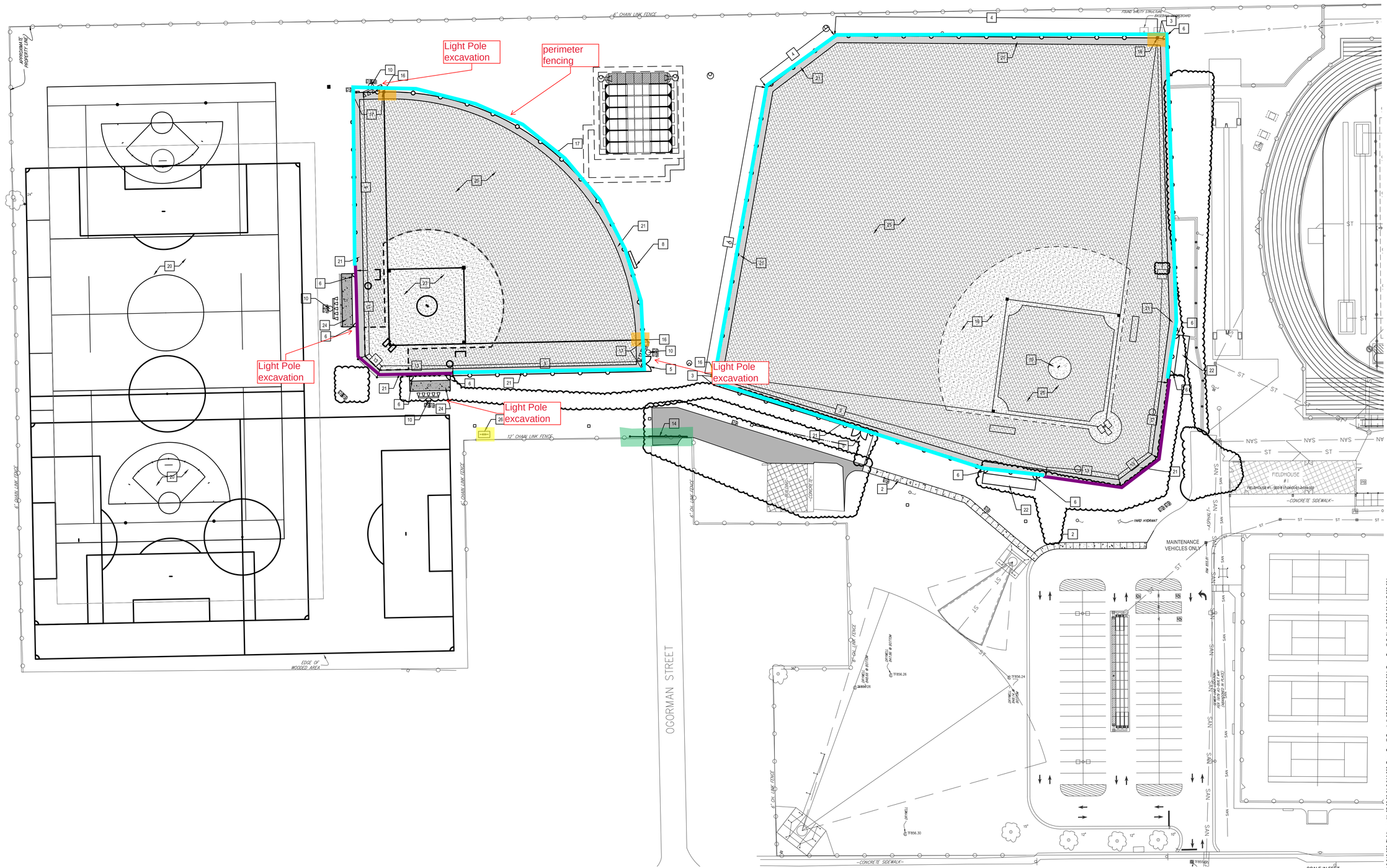
GENERAL NOTES

A. CONTRACTORS SHALL BE AWARE THAT A SEPARATE SITE REMEDIATION / RESTORATION PROJECT WILL OCCUR SIMULTANEOUSLY WITH THE WORK OF THIS PROJECT. CONTRACTORS SHALL BE REQUIRED TO COORDINATE CONSTRUCTION ACTIVITIES AND STAGING. SEE SCHEDULE.

B. CONTRACTORS SHALL BE AWARE THAT NO WORK BELOW APPROVED COVER SYSTEM OR WITHIN EXISTING NATIVE SOILS SHALL BE PERFORMED WITHOUT FOLLOWING THE REQUIREMENTS OF THE NYSDEC APPROVED INTERIM SITE MANAGEMENT PLAN (ISMP) AS INDICATED IN SECTION 01 10 00.

SITE IMPROVEMENT NOTES

1. PROVIDE STANDARD DUTY ASPHALT PAVEMENT AND SUBBASE, SEE DETAIL 1/L6.3.
2. PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK, SEE DETAIL 2/L6.3.
3. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK), SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
4. (ALTERNATE 6) PROVIDE 8' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION. SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
5. PROVIDE VINYL COATED, 12' WIDE, DOUBLE SWING GATE WITH STRONG ARM LATCH AND PLUNGER BAR, SEE DETAIL 5/L6.3.
6. PROVIDE VINYL COATED, 3' WIDE, SINGLE SWING GATE WITH STRONG ARM LATCH - COLOR BLACK, SEE DETAIL 6/L6.3.
7. PROVIDE 30' TALL TENSIONED BACK STOP NETTING SYSTEM ABOVE CHAINLINK FENCE, SEE DETAIL 7/L6.3.
8. SOFTBALL SCOREBOARD AND FOUNDATION BY TOTH SPORTS/DAKTRONICS. SEE DETAIL 3/L6.2.
9. (ALTERNATE 4) PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK). SEE DETAILS 3&4/L6.3 & SEE LAYOUT PLAN.
10. SOFTBALL SPORTS LIGHTING AND FOUNDATIONS BY MUSCO. SEE DETAIL 4/L6.2.
11. NOT USED
12. NOT USED
13. PROVIDE 30' TALL TENSIONED NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP WITH LOGO, SEE DETAILS 4&8/L6.3.
14. PROVIDE A 45' LONG, 8' TALL VINYL COATED CANTILEVER SLIDE GATE FOR A 30' OPENING, SEE DETAIL 1/L6.4. 8' TALL VINYL COATED.
15. PROVIDE 8' TALL VINYL COATED CHAINLINK FENCE (COLOR BLACK) EXISTING 60' TALL NETTING TO BE LASHED TO TOP OF CHAINLINK FENCE CROSS BAR, SEE DETAIL 3&4/L6.3.
16. PROVIDE 20' TALL FOUL POLES BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL, SEE DETAIL 10/L6.3.
17. (ALTERNATE 5) PROVIDE 6' TALL VINYL COATED CHAIN LINK FENCE (COLOR BLACK) WITH HDPE TOP RAIL PROTECTION, SEE DETAIL 3 & 4/ L6.3, SEE LAYOUT PLAN.
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