690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

March 8th, 2023

Mr. Kenneth Liu
NYSDEC Region 2
47-40 21st Street
Long Island City, NY 11101

Re: Closure Report for Tank Removal project at 1240 Viele Ave., Bronx, NY.
Facility Petroleum Bulk Storage Program PBS #2-613421 Tanks #001, #002, #003, #004, #005, #006.

Dear Mr. Liu,

Please find enclosed the required report to close out (6) tanks from the Hunts Point Wastewater Treatment Plant New Anaerobic Digester Facilities project in Bronx, NY. The address of this facility is 1240 Viele Ave., Bronx, NY.

If you have any questions, please feel free to contact me at 631.225.3044.

Sincerely,

Jack Ewen
Senior Project Manager
Innovative Recycling Technologies, Inc.

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Table of Contents

Tank Cleaning Report Page 1 - 2

Appendix A 30 Day Notification to NYSDEC

Appendix B Disposal Manifests and Receipts

Appendix C FDNY Affidavit

Appendix D Facility Permits

Appendix E Transporter's Permits

Appendix F Contractor's Tank Affidavit

Appendix G Endpoint Sample Results

Appendix H Site Photos

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March 8th, 2023

Mr. Kenneth Liu
NYSDEC Region 2
47-40 21st Street
Long Island City, NY 11101

Re: Closure Report for Tank Removal project at 1240 Viele Ave., Bronx, NY.
Facility Petroleum Bulk Storage Program PBS #2-613421 Tanks #001, #002, #003, #004, #005, #006.

Dear Mr. Liu,

This report is for the closure and removal of six tanks from the HP-238 Hunts Point WWTP New Anaerobic Digester Facilities project. The property is a NYSDEC ERP site with a COC (site code B00032, Site Name Barretto Point). The tank emptying and cleaning was performed under the direction of Innovative Recycling Technologies, while the tank removal and disposal were done by others.

Five of the six 550 gallon steel tanks were underground tanks located in a concrete vault, and the sixth underground tank was a direct burial. The free-flowing product from inside the tanks and the excavation was removed with in a vacuum truck and disposed of at Advanced Waste & Water Technology on manifests #26868 and #26867. Copies of these manifests can be found in Appendix B. The tanks were accessed through holes cut into the tanks and the inside of the tanks were then wiped clean with oil absorbent rags and speedy dry. The residual product was shoveled into 55gal drums. There was no distribution piping was associated with the tanks.

The drums were disposed of at Republic Environmental Systems on manifest #26869. Copies of this manifest can be found in Appendix B. The tanks were disposed of at a local scrap metal facility and the scrap receipt can be found in Appendix B. The facility's permit and the transporter's permit can be found in Appendices D and E respectively.

After the tanks were removed, there was evidence of release or contamination around the tank vault. Endpoint samples were taken and the analysis showed contamination. Spill number 2205436 had already existed at the site. The analysis can be found in Appendix G. Excavated soils totaling roughly 600 cubic yards from this area and the overburden from the remaining tanks was disposed of at Clean Earth of Carteret on 1/23/2023. Disposal manifests can be found in Appendix B.

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If you have any questions regarding this report, please contact me at 631.225.3044.

Sincerely,

Jack Ewen
Senior Project Manager
Innovative Recycling Technologies, Inc.

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Phone: (631)225-3044
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Appendix A

30 Day Notification to NYSDEC

New York State Department of Environmental Conservation
Pre-Work Notification for Bulk Storage (PBS or CBS) Tank Installation or Closure

This form provides notice of an upcoming tank installation and/or closure per 6 NYCRR Sections 613-1.9(h) and (f), 613-2.6(b) (1), 613-3.5 (b) (1) and 613-4.5 (b) (1) of the Petroleum Bulk Storage (PBS) Regulations, or 6 NYCRR Sections 596.2(f) and (h) of the Chemical Bulk Storage (CBS) Regulations. Submit the completed form to the Department's Regional Office at least 30 days prior to action for PBS tank installation * and permanent closure** ; at least 3 days prior for CBS tank installation *** . For CBS permanent tank closure, a minimum of 3 day prior notice is recommended. **If the schedule for work changes you must notify the Department's Regional Office before work begins. Once the work is complete, the facility (property) owner is responsible for submitting a PBS or CBS application to the Department with the complete tank information including the date the action was completed.** The Owner is also responsible to ensure that all work is completed in compliance with the applicable PBS or CBS regulations (i.e., Parts 613 or 598/599). Any questions, call the Department's Regional Office. Information on the Chemical and Petroleum Bulk Storage Programs be found at: http://www.dec.ny.gov/chemical/287.html

*not required for temporary tank system ** unless in response to corrective action *** unless immediate action is required

Check Applicable Program: X PBS _____CBS **Facility PBS or CBS Registration No.** _____N/A_____

Site Name: Hunts Point WRRF (Barretto Point Site)	Contractor: Skanska / RJ Industries
Site Address: 1240 Viele Ave.	Address: 75-20 Astoria Blvd.
Site Address (cont): Bronx, NY 10474	Address(cont): Queens, NY 11370
Site Contact: Antonio Sosa	Contact: Anthony Monaco
Phone Number: 646-899-7601 Fax Number:	Phone Number: 646-372-7779 Fax Number:
Email Address: asosa@dep.nyc.gov	Email Address: anthony.monaco@skanska.com

Tank Number	Type of Action (Close & Remove, Close in Place, Install)	Proposed Date (mm/dd/yy)	Tank Location (Aboveground or Underground)	Capacity (Gallons)	Spills/Leaks? (Yes/No w/Spill # if Yes)	Reason for Action
001	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan
002	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan
003	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan
004	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan
005	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan
006	Close and Remove	12/21/22	Underground	550	Yes: 22-05436	Remedial Action Plan

I hereby certify under penalty of law that the information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Name of Owner or Authorized Representative (print): Nayan Shah, P.E. Title: Portfolio Manager

Signature Nayan shah Date 12/5/2022

revised 02/01/2017

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor, Albany, NY 12233-7016
P: (518) 402-9768 I F: (518) 402-9773
www.dec.ny.gov

November 8, 2022

New York City Department of Environmental Protection
Attn: Ana Barrio
Deputy Commissioner
96-05 Horace Harding Expressway
Corona, NY 11368

Re: Barretto Point,
Site No.: B00032, Spill Case No.: 22-05436
New York (C), Bronx County
Remedial Action Plan

Dear Deputy Commissioner Barrio:

The New York State Department of Environmental Conservation ("Department") has completed its review of your Remedial Action Plan ("RAP"), dated October 31, 2022. Based on this review, the RAP is hereby approved.

The activities described in the RAP include, but are not necessarily limited to the following:

1. Cleaning and removal of six 550-gallon underground storage tanks ("USTs").
2. Excavation and removal of petroleum-contaminated soil.
3. Submittal of a Tank Closure Report.

The New York City Department of Environmental Protection ("DEP") and its contractors are solely responsible for the safe execution of all invasive and other fieldwork performed under the RAP. The DEP and its contractors must obtain all local, state, and/or federal permits or approvals that may be required to perform work under the RAP. Further, the DEP and its contractors are solely responsible for the identification of utilities that might be affected by work under the RAP, and the implementation of all required appropriate, or necessary health and safety measures during the performance of work under the RAP.

Please complete and submit the attached Pre-Work Notification Form prior to commencing the work. After the USTs have been properly removed, you should submit the attached Petroleum Bulk Storage Application Form to register and close the tanks on the same form.

If you have any questions, please contact me by telephone at (518) 402-9615 or via email at: ronnie.lee@dec.ny.gov.

Sincerely,

Ronnie E. Lee

Ronnie E. Lee, P.E.
Project Manager
Remedial Bureau B, Section C
Division of Environmental Remediation

Enclosures

ec: S. Quandt
J. O'Connell
A. Barrio (abarrio@dep.nyc.gov)
L. Farrell (LFarrell@dep.nyc.gov)
N. Shah (NayanS@dep.nyc.gov)
A. Sosa (asosa@dep.nyc.gov)
J. Morrow (jmorrow@hazenandsawyer.com)

New York State Department of Environmental Conservation
Division of Environmental Remediation

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2

(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

PBS Number: 2-613421

Return Completed Form To:

NYS DEC - PBS Unit, Region 2
47-40 21st Street, 1st Floor
Long Island City, NY 11101-5407
(718) 482-6454

Expiration Date: 02/09/2028

Section A - Facility/Property Owner/Contact Information

Transaction Type: 3

1) Initial/New Facility
2) Change of Ownership
3) Tank Installation, Closing, or Repair
4) Information Correction
5) Renewal

FACILITY

Facility Name: HUNTS POINT WRRF (BARRETTO POINT SITE)
Tax Map Borough/Section: Bronx
Facility Address (Physical Address, No P.O. Boxes): 1240 VIELE AVE.
Block: 2777
Facility Address (cont.):
Lot: 100
City: BRONX
State: NY
ZIP: 10474
County: Bronx
Township or City: New York City
Facility Phone Number: (718) 595-6129
Facility Operator: NAYAN SHAH

TYPE OF PETROLEUM FACILITY (Check only one)

- [ ] 01=Storage Terminal/Petrol. Distributor
- [ ] 02=Retail Gasoline Sales
- [ ] 03=Other Retail Sales
- [ ] 04=Manufacturing
- [ ] 05=Utility
- [ ] 06=Trucking/Transportation/Fleet
- [ ] 07=Apartment/Office Building
- [ ] 08=School
- [ ] 09=Farm
- [ ] 10=Private Residence
- [ ] 11=Airline/Air Taxi/Airport
- [ ] 12=Chemical Distributor
- [ ] 13=Municipality
- [ ] 15=Railroad
- [ ] 25=Auto Service/Repair (No Gasoline
- [ ] 28=Cemetery/Memorial
- [ ] 26=Religious (Church, Synagogue, Mosque, Temple, etc.)
- [ ] 27=Hospital/Nursing Home/Health Care
- [ ] 52=Marina
- [ ] 53=Nuclear Power Plant
- [x] 99=Other (Specify):ERP SITE

Emergency Contact Name: NAYAN SHAH
Emergency Telephone Number: (718) 595-6129

NOTE:

Fill in Property Owner information here....>>>

Indicate Tank Owner in Section C.

OWNER

Facility (Property) Owner (from Deed): NYC ENVIRONMENTAL PROTECTION
Facility Owner Address (Street and/or P.O. Boxes): 96-05 HORACE HARDING EXPRESSWAY
City: CORONA
State: NY
ZIP Code: 11368
Owner Telephone Number: (718) 595-6129

Type of Owner (check only one):

- 1 [ ] Private Resident
- 2 [ ] State Government
- 3 [x] Local Government
- 4 [ ] Federal Government
- 5 [ ] Corporate/Commercial/Other

I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

Name of Property Owner or Authorized Representative:
Amount Enclosed: $ 0.00
Title: Nayan Shah, PE
Signature: Portfolio Manager, NYCDEP
Date: 2/16/2023

CORRESPONDENCE

(Please keep this information up to date.)

Facility Contact Person Name: NAYAN SHAH
Contact Person Company Name: NYC ENVIRONMENTAL PROTECTION
Address: 96-05 HORACE HARDING EXPRESSWAY
Address (cont.):
City/State/ZIP Code: CORONA, NY 11368
Tel. Number: (718) 595-6129
eMail Address: NAYANS@DEP.NYC.GOV

Official Use Only
Date Received: ___/___/___
Date Processed: ___/___/___
Amount Received: $_____
Reviewed By: _____

Rev. 12/22/2022

PBS Number:
2-613421

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, out-of-service, or Permanent ClosureDate (mm/dd/yyyy) **Application will be returned if blank**	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list % additive) %	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Under Dispenser Containment (UDC) (Check box if present)
	001	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			
	002	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			
	003	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			
	004	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			
	005	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			
	006	5	2	Removed 12/16/2022	550	~~0009~~ 0001	01													☐
	*** MUST SUPPLY TANK INSTALL DATE OR APPLICATION WILL BE RETURNED***																			

Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.
Blank Section B is available at http:/www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

PBS Number:
2-613421

Petroleum Bulk Storage Application

Section C - Tank Ownership Information (for PBS tanks listed in Section B)

Tank Owner Information

☒ Check box if same as Facility (Property) Owner.
If tank owner is different from property owner, fill out information below:

Tank Owner Name (Company/Individual):

Contact Person:

Tank Owner Address:

City: | State: | ZIP:

Contact Person Telephone Number: | Contact Person email:

Specific Tanks Owned

☒ Check box if this owner owns all tanks at this facility.
If not, list tanks owned by this owner below:

Tank Number:

Name of Class B (Daily On-Site) Operator: | Authorization No:

Name of Class A (Primary) Operator: | Authorization No:

Tank Owner Information

☐ Check box if same as Facility (Property) Owner.
If tank owner is different from property owner, fill out information below:

Tank Owner Name (Company/Individual):

Contact Person:

Tank Owner Address:

City: | State: | ZIP:

Contact Person Telephone Number: | Contact Person email:

Specific Tanks Owned

☐ Check box if this owner owns all tanks at this facility.
If not, list tanks owned by this owner below:

Tank Number:

Name of Class B (Daily On-Site) Operator: | Authorization No:

Name of Class A (Primary) Operator: | Authorization No:

001	002	003	004	005					
006									

PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEY

Action (1)

1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)

1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Partially buried tank (tank with 10% or more below ground)
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/access for inspections

Status (4)

1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

Products Stored (7)

Heating Oils: On-Site Consumption

)001. #2 Fuel Oil
)002. #4 Fuel Oil
)259. #5 Fuel Oil
)003. #6 Fuel Oil
)012. Kerosene
)591. Clarified Oil
2711. Biofuel Oil
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution

2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biofuel Oil

Motor Fuels

009. Gasoline
712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Emergency Generator Fuels

0001. #2 Fuel Oil
2730. Biodiesel (E-Gen)
2731. Diesel (E-Gen)

Lubricating/Cutting Oils

0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials

2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits

0014. White/Mineral Spirits
1731. Naptha

Mineral/Insulating Oils

0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils

0022 Waste/Used Oil
9999. Other-Please list:*

Crude Oil

0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)

01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)

00. None
01 Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)

00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07 Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)

00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST Only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other - Please list*

Tank Leak Detection (12)

00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection
99. Other-Please list: *

Overfill Protection (13)

00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)

00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)

00. None
01. Pressurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)

00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)

00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)

00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list: *

Pipe Leak Detection (20)

00. None
01. Interstitial Electronic Monitoring
02. Insterstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)

Check Box if Present

* If other, please list on a separate sheet including tank number.

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix B

Disposal Manifests and Receipts

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
N / A	1	(267) 406-0083	26868

5. Generator's Name and Mailing Address

NYC Department of Environmental Protection
95-05 Horace Harding Expressway, 5th Floor
Corona NY 11368

Generator's Phone:

Generator's Site Address (if different than mailing address)

Hunts Point WPCP
1240 Viele Avenue
Bronx NY 10474

6. Transporter 1 Company Name: Innovative Recycling Technologies, Inc.

U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Advanced Waste & Water Technology, Inc.
208 Route 109
Farmingdale NY 11735

Facility's Phone: 631 249-3774

U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Oily Water Non-DOT Regulated Material	001	TT	580	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

9.1)Approval:2212-0006

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X ANTONIO SOSA

Signature: X

Month 12 Day 14 Year 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Ulrich

Signature

Month 12 Day 14 Year 22

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Jason Ross

Signature

Month 12 Day 14 Year 22

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Published by J. J. KELLER & ASSOCIATES, INC®, Neenah, WI • USA (800) 327-6868 • jjkeller.com • Printed in the United States
859650

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N / A	1	(267) 406-0083	26867

GENERATOR

5. Generator's Name and Mailing Address
NYC Department of Environmental Protection
95-05 Horace Harding Expressway, 5th Floor
Corona NY 11368
Generator's Phone:

Generator's Site Address (if different than mailing address)
Hunts Point WPCP
1240 Viele Avenue
Bronx NY 10474

6. Transporter 1 Company Name
Innovative Recycling Technologies, Inc.
U.S. EPA ID Number: **NYR000134940**

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Advanced Waste & Water Technology, Inc.
208 Route 109
Farmingdale NY 11735
Facility's Phone: **631 249-3774**
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	**Non Hazardous Oily Water Non-DOT Regulated Material**	001	TT	3200	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1) Approval:

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTONIO SOSA
Signature: Antonio Arlyendez Sosa
Month: 12 Day: 13 Year: 22

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Francis McShane
Signature:
Month: 12 Day: 13 Year: 22

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Chris Brown
Signature:
Month: 12 Day: 13 Year: 22

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8593850

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	V S Q G	1	(267) 406-0083	26869

GENERATOR

5. Generator's Name and Mailing Address
NYC Department of Environmental Protection
59-17 Junction Blvd.
Flushing NY 11368
Attn: Antonio Sosa
Generator's Phone: 646 899-7601

Generator's Site Address (if different than mailing address)
Hunts Point WPCP
1240 Viele Avenue
Bronx NY 10474

6. Transporter 1 Company Name: Innovative Recycling Technologies, Inc.
U.S. EPA ID Number: NYR000134940

7. Transporter 2 Company Name: Republic Environmental Systems (Trans Group)LLC
U.S. EPA ID Number: PAD982661381

8. Designated Facility Name and Site Address
Republic Environmental Systems (PA), LLC
2869 Sandstone Drive
Hatfield PA 19440
Facility's Phone: 215 822-8995
U.S. EPA ID Number: PAD085690592

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous #2 Fuel Oil Tank Bottoms Non-DOT Regulated Material	3	DM	900	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
9.1)
Doc#

INT'L

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: ANTONIO SOSA
Signature: Antonio Alfonso Sosa
Month: 2 Day: 13 Year: 23

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Francis McShane
Signature:
Month: 2 Day: 13 Year: 23

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name:
Signature:
Month: Day: Year:

ROYAL
Waste Services, Inc.

TWC LIC. # 1240

ROLL-OFF CONTAINER SERVICE

187-40 Hollis Ave.
Hollis, NY 11423

(718) 468-3988
(212) 533-5100

METAL

12-20-22 20

Customer Name SKANSKA

Job Address RIKERS

QUANTITY	SIZE cu yds	TIME
1	30 Y/S	IN *PCO 15
		OUT

STEEL TANKS

I the Undersigned, have designated the placement of the debris container and assume all responsibilities of any kind.

Signature

Thank You!

152805

CleanEarth™

Manifest # 2634222

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project		
1240 Viele Avenue	TARE WEIGHT: ☐Tons ☐Yards	
Bronx, NY 10474		
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil

STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonio S. [illegible] Title: Accounts Manager

Signature: Antonio S. [illegible] Date and Time: 1/23/23 7:30 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 68-AS963X

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Cordero Penagos Date and Time: 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Cordero Penagos Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

Revised 1/5/22

SITE

CleanEarth™

Manifest # 2634223

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project		
1240 Viele Avenue	TARE WEIGHT: ☐Tons ☐Yards	
Bronx, NY 10474		
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil

STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony Sosa Title: Assistant Manager

Signature: Anthony Sosa Jr Date and Time: 1/23/23 7:30 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave. Clifton, NJ 07011 Truck # and License Plate: 40 AT280E

Driver: Javy Diaz SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 01/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CleanEarth™

Manifest # 2634224

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil.
STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ANGELO SIA Title: ACCOUNTABLE MANAGER

Signature: Antonio J Mendoza Date and Time: 11/23/23 7:40 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: PW 357 N NJ #63

Driver: ALVARO LOJANO SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 2023

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

CleanEarth™

Manifest # 2634225

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: ACCOUNTABLE MANAGER

Signature: [signature] Date and Time: 1/23/23 7:45AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: AU481H112

Driver: Byron Fontan (Type or Print Clearly) SW Haulers Permit #: NJ850 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-800-221-1515

CleanEarth™

Manifest # 2634226

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony S. SA Title: Authorized Manager

Signature: [signature] Date and Time: 1/23/23 7:48 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave. Clifton, NJ 07011 Truck # and License Plate: AS2085 #54

Driver: Augusto Pesantez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 1/23/23

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

CleanEarth™

Manifest # 2634227

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil.
STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonio S. SA Title: ACCOUNTABLE MANAGER

Signature: Antonio Sepulveda Date and Time: 1/23/23 7:52AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave. Clifton, NJ 07011 Truck # and License Plate: #36 A5-397K.

Driver: Manuel Zamo. SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Manuel Zamo Date and Time: 01/23/2023

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CleanEarth™

Manifest # 2634228

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: ACCOUNTABLE MANAGER

Signature: [signature] Date and Time: 1/23/23 7:57 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 70 - AT 9151 - NJ

Driver: Cristian Gonzalez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 01-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634229

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil
STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: ALLIANCE MANAGER

Signature: [signature] Date and Time: 1/23/23 10:10 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 68 - AS963X

Driver: Jose A. Pelegrin SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

ITEM# CE WM500 / PRO'S CHOICE PRINTING INC 1-888-801-1515

CleanEarth™

Manifest # 2634230

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony Migliorisi Title: Accounts Manager

Signature: Anthony Migliorisi Jr. Date and Time: 1/23/23 @ 10:15AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 40 AT2506

Driver: Jay D. A. (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 01/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634231

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6120	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: ASSISTANT MANAGER

Signature: [signature] Date and Time: 1/23/23 10:59 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number:

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: PW 35701 22

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

CleanEarth™

Manifest # 2634232

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Angela Sosa Title: Accountable Manager

Signature: Antonio Infante Sr. Date and Time: 1/23/23 2:00 PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: #36 AS-387K

Driver: Manel Ozuna SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Manel Ozuna Date and Time: 01/23/2023

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-888-801-1515

CleanEarth™

Manifest # 2634233

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonia SosA Title: Assistant Manager

Signature: Antonia Sosa Date and Time: 1/23/23 1:55pm

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: AS208J #54

Driver: A Augusto Pesantez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/09

CleanEarth™

Manifest # 2634234

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil
STOCKPILE #6

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonio Sosa Title: Accountable Manager

Signature: Antonio Sosa Date and Time: 112323 1:35 PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave. Clifton, NJ 07011 Truck # and License Plate: 1111357 N #03

Driver: William Lozano SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11.23.2023

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634235

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonio Sosa Title: Accountable Manager

Signature: Antonio Sosa Date and Time: 1/23/23 1:20 PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: AU6844H12

Driver: Byron Pisoni (Type or Print Clearly) SW Haulers Permit #: NJ 850 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

ITEM# CE WM500 / PROIS CHOICE PRINTING, INC. 1-800-991-4515

CleanEarth™

Manifest # 2634236

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6120	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ANTONIO SOSA Title: ACCOUNTABLE MANAGER

Signature: [signature] Date and Time: 1/23/23 12:50PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 4, AT3SDC

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634237

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ANTONIO SOSA Title: ACCOUNTABLE MANAGER

Signature: Antonio Soto Date and Time: 1/23/23 12:45PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave. Clifton, NJ 07011 Truck # and License Plate: 65 - CS963Y

Driver: Jose A. Coronel SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Jose Cordero Coronel Date and Time: 1-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Jose Cordero Coronel Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

ITEM# CE WM500 / PRO'S CHOICE PRINTING, INC. 1-800-221-4545

CleanEarth™

Manifest # 2634238

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Anthony SISA Title: ACCOUNTABLE MANAGER

Signature: Anthony Sisa Date and Time: 1/23/23 11:25 AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 70-AT4150

Driver: Cristian Coronel SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 01-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634239

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project		
1240 Viele Avenue	TARE WEIGHT: ☐Tons ☐Yards	
Bronx, NY 10474		
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ANGELO SOSA Title: ACCEPTABLE MANAGER

Signature: [signature] Date and Time: 1/23/23 11:20AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave Clifton NJ 07011 Truck # and License Plate: 36 AS-387K

Driver: Manuel Lozano SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Manuel Lozano Date and Time: 01/23/2023

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634240

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718 595 6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] Title: ACCOUNTAPIE MANAGER

Signature: [signature] Date and Time: 1/23/23 11:15AM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: AS208 J #24

Driver: _____ SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 1/23/23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 1/03/23

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/09

CleanEarth™

Manifest # 2634241

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project 1240 Viele Avenue Bronx, NY 10474	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Antonia Sosa Title: Accountable Manager

Signature: Antonia Sosa Date and Time: 11/23/23 11:45AM

TRANSPORTER

Company: Cuenca Coronet Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: AU584H NJ

Driver: Byron Lisco Gil (Type or Print Clearly) SW Haulers Permit #: NJ950 (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11.23.23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

Revised 1/5/22

CleanEarth™

Manifest # 2634242

GLOBAL JOB NUMBER: 1011370 **FACILITY APPROVAL NUMBER:** 233070100

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
NYC DEP / Hunts Point WPCP Project		
1240 Viele Avenue	TARE WEIGHT: ☐Tons ☐Yards	
Bronx, NY 10474		
GENERATOR'S PHONE: 718-595-6129	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non hazardous Soil.
STOCKPILE #5

GENERATOR'S CERTIFICATION - Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: ANTONIO SOSA Title: ACCOUNTING MANAGER

Signature: Antonio Sosa Date and Time: 1/23/23 2:10 PM

TRANSPORTER

Company: Cuenca Coronel Trucking Inc Phone Number: _____

Address: 109 Wabash Ave, Clifton, NJ 07011 Truck # and License Plate: 70-AT915D

Driver: Cristian Gonzalez SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit#)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 01-23-23

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix C

FDNY Affidavit

MERCURY TANK & PUMP SERVICE, INC.

88 Cabot Road
Massapequa, N.Y. 11758
(917) 559-5519

New York City Fire Department
Bureau of Fire Prevention
9 Metrotech
Brooklyn, N.Y. 11201

Re: 1240 Vielle Avenue Bronx; permanent removal of six 550 gallon underground #2 fuel oil tanks.

AFFIDAVIT

In accordance with R 3404-01 (d), the permanent removal of six 550 gallon underground #2 fuel oil tanks at 1240 Vielle Avenue Bronx has been completed.

1) The contents of the tanks were completely removed.
2) The tanks were thoroughly cleaned and purged of combustible vapors
3) All pipes were removed
4) The fill boxes were removed
5) The tanks were removed from the premises
6) This work was completed on 20, December 2022

Sincerely

Mark Salamack
Underground Tank Installer
Certificate of License #80151715 (Expires 16, June 2024)

LASSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 2025

Sworn before me this 7 day of March ,2023

Notary Public

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix D

Facility Permits

Appendix II

TSD FACILITY PERMITS AND SUPPORTING DOCUMENTATION

CEC Permit Package:
*************.dropbox.com/sh/ltperqk1pc6dq75/AAA2DlLA aP-UEnmQZOxz_sAUa?dl=0**

PPark Permit Package:
*************.dropbox.com/sh/ca1li1mwsdnccmh/AABznl1t MipBwmKrkyJkyFhca?dl=0**

Middlesex County Utilities Authority:
*************.dropbox.com/sh/mqt25qzaxqtnfyf/AAD40hG YMaCtyviOMSmxu0ZRa?dl=0**

IRRC
*************.dropbox.com/sh/gxmkzcmej6zmelx/AAAUyB aIXgy1woUJshF7VGVxa?dl=0**

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.nj.gov/dep/dshw/recycling

August 31, 2017

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

John Eshelman, Manager
Clean Earth of Carteret, LLC
24 Middlesex Avenue
Carteret, NJ 07008

Re: Renewal of Class B Recycling Center General Approval
Clean Earth of Carteret, LLC
Borough of Carteret, Middlesex County
Facility ID No: 132310
Permit No.: CBG160002

Dear Mr. Eshelman:

Please be advised that the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, Bureau of Recycling and Hazardous Waste Management (Bureau) has reached a final determination to renew the above Class B Recycling Center General Approval. Enclosed is a copy of the final document.

Should you wish to contest any of the conditions of the enclosed general approval, you must file a request for an adjudicatory hearing within twenty (20) days of the date you receive this decision notice in accordance with the procedures found in N.J.A.C. 7:26A-3.14. A copy of the request should also be mailed to this office.

If you have any questions concerning this matter, please contact Nick Nader at (609) 984-2067 or nicholas.nader@dep.nj.gov.

Sincerely,

Zafar Billah.

Zafar M. Billah, Acting Chief
Bureau of Recycling & Hazardous Waste Management

Enc.

C(w/enc.): *Tom Farrell, Chief, Bureau of Solid Waste Compliance and Enforcement
*Paul Smith, Supervisor, BSWC&E – Central Region
Les Jones, Middlesex County Health Officer
Christopher Sikorski, Middlesex County Solid Waste Coordinator
Kathleen M. Barney, Municipal Clerk, Borough of Carteret

*By e-mail only

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.state.nj.gov/dep/dshw/recycling

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.*, known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.,* known as the Recycling Regulations, this approval is hereby issued to:

Clean Earth of Carteret, LLC

Facility Type:	Recycling Center for Class B Materials
Lot & Block No.:	3.02/1
Municipality:	Borough of Carteret
County:	Middlesex
Facility ID No.:	132310
Permit No.:	CBG160002

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

August 31, 2017
Issuance Date

Zafar M. Billah, Acting Chief
Bureau of Recycling & Hazardous Waste Management

March 7, 2022
Expiration Date

Scope of Approval

This General Approval (approval), along with the referenced application documents herein specified, shall constitute the sole approval of Recycling Center operations for Class B Recyclable Material (petroleum contaminated soil, street sweepings, brick, block, concrete, stone, rock, and asphalt) by Clean Earth of Carteret, LLC, located in the Borough of Carteret, Middlesex County, New Jersey. Any registration, approval or permit previously issued by the Division of Solid and Hazardous Waste, or its predecessor agencies, for the specific activities as described below and as conditioned herein, is hereby superseded.

Regulated Activities at the Facility

Items 1 through 39 of this approval contain the general conditions applicable to all recycling centers. Items 40 through 87 of this approval contain the operating requirements specific to the recycling center for receipt, storage, processing, or transfer of Class B recyclable materials including non-hazardous petroleum contaminated soils. Items 88 through 91 of this approval are the sampling requirements for testing the street sweepings. Items 92 through 101 of this approval contain the conditions for the aggregate crushing operations.

Facility Description

The recycling center is a Class B facility owned and operated by Clean Earth of Carteret, LLC. The recycling center is located at 24 Middlesex Avenue on Block 1, Lot 3.02, in Borough of Carteret, Middlesex County. This regional recycling center receives petroleum contaminated soil from soil remediation contractors and street sweepings from municipalities. The recycling center is authorized to receive, process and transfer brick, block, concrete, stone, rock, and asphalt from construction and demolition contractors, construction companies, municipalities, and counties. Hours of operation for the receipt, treatment/processioning and transferring source separated recyclable material can occur 24 hours per day, 7 days per week. The operation of the crushers shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m.

The recycling center is also utilized for finished product storage and equipment storage as shown on the site plan. The recycling center markets clean soil and dense graded aggregate from the site.

When the Approval was last renewed on October 27, 2014 by the Division of Solid and Hazardous Waste, some of the authorized equipment, described in Requirement #94, were inadvertently omitted. Requirement #94 has been revised to include an actual list of authorized equipment.

Approved General Approval Application and Associated Documents

The registrant shall construct and operate the facility in accordance with N.J.A.C. 7:26A-1 *et seq.*, the conditions of this Approval, and the following documents:

a) Site plan entitled "As-Built Site Map Clean Earth of Carteret, Carteret, Middlesex County, NJ", prepared by Bradley J. Cunningham, P.E. of Compliance Plus Services, Inc., dated May 9, 2014 and last revised May 2, 2017.

b) Clean Earth of Carteret, Submittal of signed transfer agreement, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated May 22, 2003.

c) Plan SB-01 entitled "Unprocessed PHC Soil Storage Building Layout, Clean Earth of Carteret, LLC, Carteret, Middlesex County, New Jersey", prepared by Bradley J. Cunningham, P.E., of Compliance Plus Services, Inc., dated May 2, 2014.

d) Clean Earth of Carteret, Inc., Request to utilize cement kiln dust or lime as a drying agent to remove moisture from its treated soils, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated December 27, 2006.

e) Notification of Proposed Stock Purchase of Clean Earth Holdings, Inc. dated August 20, 2014 and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.

f) Class B Recycling Center General Permit Renewal and Modification Application for the Acceptance of Restricted Use Aggregate ("RUA") and Direct Reuse Soils ("DRS SOILS"), dated March 5, 2012, prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.

g) Class B Recycling Center General Approval Renewal Application, dated June 10, 2014, and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc. This Renewal of the Application does not include any modification approval requested to the proposed acceptance and processing of Direct Reuse of Soils (DRS) and Restricted Reuse Aggregate (RUA) referenced in the Compliance Plus Services, Inc. letter dated March 5, 2012.

h) Class B Recycling Center Renewal Application of General Approval dated November 21, 2016 and signed by Michael D. Logan, Vice President – Environmental Services, Compliance Plus Services, Inc. and including the following:

   1. Ground Lease Agreement dated November 1, 2010;
   2. List of Permitted Equipment; and
   3. Certification dated November 21, 2016, signed by Christopher Dods, President – Clean Earth of Carteret and certifying that there have been no changes in the operations of the recycling since the most recent Approval modification.

i) Supplemental information dated February 17, 2017 and signed by Michael D. Logan, Compliance Plus Services.

In case of conflict, the provisions of N.J.A.C. 7:26A-1 *et seq.* shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above.

Subject Item: PI 132310 -

1. All persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 et seq. shall comply with all conditions of the approval [N.J.A.C. 7:26A-3.1(a)]
2. The holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following: Hours of operation of the recycling center; Listing of the source separated materials to be received; The size, weight, or other restrictions regarding materials to be received; The maximum amount of contaminants allowed in each load; Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form [N.J.A.C. 7:26A-3.5(f)]
3. Application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 et seq. One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located [N.J.A.C. 7:26A-3.6(a)]
4. The applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10 [N.J.A.C. 7:26A-3.6(b)]
5. In a case where the holder of this general approval does not comply with N.J.A.C. 7:26A-3.6(a) and (b) and continues to operate without renewal of the general approval, the Department may take enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2; and/or take any other appropriate actions [N.J.A.C. 7:26A-3.6(c)]
6. All persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2 [N.J.A.C. 7:26A-3.6(h)]
7. The holder of this general approval shall obtain prior approval from the Department for any modification of the general approval [N.J.A.C. 7:26A-3.10(a)]
8. Any change affecting the conditions of this general approval requires the prior approval of the Department [N.J.A.C. 7:26A-3.10(b)1]
9. Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20 requires the prior approval of the Department, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with N.J.A.C. 7:26A-3.10(f). [N.J.A.C. 7:26A- 3.10(b)2]

Subject Item: PI 132310 -

10. The holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval. [N.J.A.C. 7:26A-3.10(c)]
11. The holder of this general approval shall not institute the modification until it receives written approval from the Department [N.J.A.C. 7:26A-3.10(e)]
12. Within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to: New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, Bureau of Recycling & Hazardous Waste Management, 401 East State Street, P.O. Box 420, Mail Code 401-02C, Trenton, New Jersey 08625-0420. [N.J.A.C. 7:26A- 3.10(f)]
13. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of N.J.S.A. 13:1E-1 et seq., the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 et seq. and the New Jersey Statewide Mandatory Source Separation and Recycling Act [N.J.A.C. 7:26A-3.13(a)1]
14. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any solid waste utility law at N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq., or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq [N.J.A.C. 7:26A-3.13(a)2]
15. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection [N.J.A.C. 7:26A-3.13(a)3]
16. The Department may revoke this general approval upon a determination that the holder of the general approval has refused or failed to comply with any lawful order of the Department [N.J.A.C. 7:26A-3.13(a)4]
17. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to comply with any of the conditions of this general approval issued by the Department [N.J.A.C. 7:26A-3.13(a)5]
18. The Department may revoke this general approval upon a determination that the holder of the general approval has transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department [N.J.A.C. 7:26A-3.13(a)6]
19. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to obtain any required permit or approval from the Department or other State or Federal agency [N.J.A.C. 7:26A-3.13(a)7]

Subject Item: PI 132310 -

20. The Department may revoke this general approval upon a determination that the holder of the general approval has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.12. [N.J.A.C. 7:26A-3.13(a)8]

21. This general approval shall not be transferred to a new owner or operator without the Department's prior approval [N.J.A.C. 7:26A-3.15(a)]

22. A written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following: the name, address and social security number of all prospective new owners or operators; a written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and a written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control [N.J.A.C. 7:26A-3.15(a)1]

23. A new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)2]

24. The holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)3]

25. Compliance with the transfer requirements set forth at N.J.A.C. 7:26A-3.15 shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision [N.J.A.C. 7:26A-3.15(a)4]

26. The transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval [N.J.A.C. 7:26A-3.15(b)]

27. The holder of this general approval shall maintain a daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)1]

28. The holder of this general approval shall maintain a daily record of the name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)2]

29. The holder of this general approval shall maintain a daily record of the amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons. [N.J.A.C. 7:26A-3.17(a)3]

Subject Item: PI 132310 -

30. The holder of this general approval shall retain all Recyclable Material Receipt Forms required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which an annual report is required pursuant to N.J.A.C. 7:26A-3.17(c) [N.J.A.C. 7:26A-3.17(b)]

31. The holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to N.J.A.C. 7:26A-3.17(a) to the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following: monthly totals of the amount of recyclable material received from each customer by municipality of origin; monthly totals of the amount of recyclable product transferred to each end-market; and the amount of residue disposed of during each month. [N.J.A.C. 7:26A- 3.17(c)]

32. The holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report [N.J.A.C. 7:26A-3.17(e)]

33. All information submitted to the Department pursuant N.J.A.C. 7:26A shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 et seq. The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental concerns which require the release of the information, as determined by the Department. [N.J.A.C. 7:26A-3.17(f)]

34. The holder of this general approval shall provide a recycling tonnage report by March 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons. [N.J.A.C. 7:26A-4.4(a)]

35. The recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan [N.J.A.C. 7:26A-4.2]

36. The construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 et seq., and the rules promulgated pursuant thereto [N.J.A.C. 7:26A-4.1(b)]

37. The New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 et seq. shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to: sampling any materials on site; photographing any portion of the recycling center; investigating an actual or suspected source of pollution of the environment; and, ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department. [N.J.A.C. 7:26-1.7(a)]

Subject Item: PI 132310 -

38. The right of entry specified at N.J.A.C. 7:26A-1.7(a) shall be limited to normal operating hours for the purpose of reviewing and copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request. [N.J.A.C. 7:26-1.7(b)]

39. The facility shall comply with the general operating requirements for all Recycling Centers as provided at N.J.A.C. 7:26A-4.1 [N.J.A.C. 7:26A-4]

Subject Item: RCBG139162 - General Class B & Soil Conditions

40. Recycling centers receiving petroleum contaminated soil must have a preparedness and prevention plan. The contingency plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A- 3.5(e)]

41. Upon detection of a release of contaminants to the environment, the facility shall perform the following cleanup steps: stop the release, contain the released contaminants, clean up and manage properly the released contaminants and other materials and if necessary, repair or replace any leaking soil containment systems prior to returning them to service. [N.J.A.C. 7:26A-3.5(e)]

42. Upon closure of the facility the owner or operator shall remove or decontaminate petroleum contaminated soils, containment system components, and structures and equipment and manage them as hazardous waste, unless the materials are not hazardous waste under N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A- 3.5(e)]

43. All equipment and portions of the facility designated for the storage or processing of petroleum contaminated soils shall be visually inspected each operating day for integrity and leaks. [N.J.A.C. 7:26A-3.5(e)]

44. Records shall be maintained for all visual inspections. These records shall document that inspections were performed, any problems found, and the subsequent correction of such problems. All records shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

45. The facility shall keep a record of each shipment of petroleum contaminated soil accepted for processing. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. All tracking records shall be maintained by the holder of this general approval as required by N.J.A.C. 7:26A-3.2(a) 16iii for three calendar years.

    Records for each shipment shall include the following information: the name and address of the transporter who delivered the soil to the facility, the name and address of the generator from whom the soil was sent, the NJDEP registration number of the transporter, EPA ID number (if applicable) of the generator, the quantity of soil accepted and the date of acceptance.

    Prior to the receipt of a shipment of soil from a generation source, the holder of this approval shall have received a completed Clean Earth of Carteret Material Characterization Report, as referenced in the approved General Approval Application, and associated documents for that shipment. The report shall include at least the following information: name and address of the generation site, contact information, quantity of soil, type of oil contaminating the soil, contamination source (i.e. underground storage tank, above ground storage tank, spill, histroic or other), past use of generation site (i.e. industrial, commercial, residential or historic fill), analytical results conducted on the soil and a certification that the information provided is true and accurate. The holder of this approval shall review the information provided to ensure the shipment complies with the facility's acceptance criteria for soil prior to authorizing acceptance of a shipment. [N.J.A.C. 7:26A- 3.5(e)]

46. The facility shall maintain on-site a written operating record showing analysis records, tracking records, and summary reports of incidents requiring implementation of the contingency plan. This information shall be made available to Department personnel upon request and shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

47. The following source separated Class B recyclable materials, which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials, may be received, stored, processed or transferred at this recycling center: NJDOT street sweepings (that meet NJ Non-Residential Direct Contact Soil Remediation Standards) and non-hazardous petroleum contaminated soils which otherwise would be ID 27 if not recycled. Only soil contaminated with the following compounds shall be accepted and processed at this facility: gasoline, kerosene, jet fuel, Numbers 1 through 6 fuel oil, and used oil. Used oil shall be defined as any oil that has been and as a result of such use, is contaminated by physical or chemical impurities. No soils may be accepted that have been contaminated with materials that are other waste materials, or waste by-products, such as sludges. No soils with free petroleum product or other liquids shall be accepted at the facility. For soils containing greater than 17,000 ppm EPH, the soil shall be determined not to contain free liquids by USEPA SW-846, Method 9095. No hazardous waste, as defined by N.J.A.C. 7:26G-5, shall be accepted by the facility. [N.J.A.C. 7:26A- 3.5(e)]

48. At no time shall the receipt, storage, processing, or transferring of non-source separated construction and demolition material be allowed at this recycling center. The prohibition of this material shall be strictly enforced and any incident shall be considered a serious violation to the conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

49. The recycling center may not receive, store, process, or transfer source separated petroleum contaminated soils and NJDOT street sweepings with any other Class B recyclable materials. The commingling of petroleum contaminated soil and NJDOT street sweepings shall only be allowed after the testing requirements identified in this approval have been met. The commingling of any other materials not described above is prohibited. [N.J.A.C. 7:26A-3.5(e)]

50. The maximum amount of contaminants, as defined in N.J.A.C. 7:26A-1.3, allowed in each incoming load of Class B recyclable material shall be limited to 1% by volume. Incidental by-product materials shall not be considered to be contaminants. [N.J.A.C. 7:26A-3.5(e)]

51. Incidental amounts of rebar, metal, soil, and other by-products which adhere to the Class B recyclable materials, as specified in this Approval, and which are returned to the economic mainstream as raw material or products, may be received, stored, processed, or transferred at this recycling center. The receipt of such incidental amounts of these materials need not be separately accounted for, but the storage and end-markets for these materials shall be subject to specific conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

52. The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the conditions of this general approval, and the general approval application documents. [N.J.A.C. 7:26A-3.5(e)]

53. In case of conflict, the provisions of N.J.A.C. 7:26A-1 et seq. shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above. [N.J.A.C. 7:26A- 3.5(e)]

54. One complete set of the general approval application documents, this general approval, and all records, reports and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials. [N.J.A.C. 7:26A-3.5(e)]

55. Hours of operation for the receipt, treatment/processing and transferring source separated petroleum contaminated soils and NJDOT street sweepings material can occur 24 hours per day, 7 days per week. [N.J.A.C. 7:26A- 3.5(e)]

56. Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads. [N.J.A.C. 7:26A-3.5(e)]

57. The recycling center may receive no more than 2,700 tons per day of petroleum contaminated soils and street sweepings. This condition is contingent upon the traffic on the public roads adjacent to the facility not being adversely affected. Should the traffic be impacted by the facility, the Department reserves the right to reduce the capacity of the facility. [N.J.A.C. 7:26A- 3.5(e)]

58. The total amount of unprocessed soil material stored in the "soil storage warehouse" shall not exceed 18,287 cubic yards. Materials stored in the "soil storage warehouse" shall be stored only in those areas designated for that purpose as indicated on the approved interior layout drawing. In addition "Area B" on the approved site plan may be used to temporarily store 15,000 cy of unprocessed soils until further processing in the "soil storage warehouse". The unprocessed soils in "Area B" will be segregated on an asphalt base with Jersey barriers and tarped during storage. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

59. If at any time, the amount of soil material stored inside the building exceeds 18,287 cubic yards and the temporary storage "Area B" exceeds 15,000 cubic yards, the recycling center shall immediately cease receiving any unprocessed soil material until the amount of unprocessed soil material combined fall below 33,287 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]

60. Unprocessed recyclable material shall not remain on-site, in its unprocessed form, for more than one (1) year. [N.J.A.C. 7:26A-3.9(b)]

61. The total amount of processed soil materials stored outside shall not exceed 31,674 cubic yards. Processed material shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawings. [N.J.A.C. 7:26A-3.5(e)]

62. If at any time, the amount of processed soil material stored on-site exceeds 31,674 cubic yards, the recycling center shall immediately cease processing activities until the amount of processed material falls below 31,674 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

63. All processed material shall be stored separately from residues. [N.J.A.C. 7:26A-3.5(e)]

64. By-products shall be stored in the container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents. [N.J.A.C. 7:26A-3.5(e)]

65. Horizontal and vertical control points for the unprocessed and processed materials soil stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 18 feet above the existing grade for the stockpile areas located inside the building and 20 feet above the existing grade for the processed stockpile areas located outside. [N.J.A.C. 7:26A- 3.5(e)]

66. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A-3.5(e)]

67. Ingress and egress of the facility shall be restricted to Middlesex Avenue only. [N.J.A.C. 7:26A-3.5(e)]

68. Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration. [N.J.A.C. 7:26A-3.5(e)]

69. Fire fighting and emergency procedures shall be posted, and shall include the telephone numbers of local fire, police, ambulance, and hospital facilities. If a fire occurs on-site, the facility shall immediately notify the local fire official and the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. [N.J.A.C. 7:26A-3.5(e)]

70. Any suspected or prohibited hazardous waste, as defined at N.J.A.C. 7:26G-5, found in a load accepted at the recycling center shall not be returned to the generator. Such materials shall be segregated and stored in a secure manner and shall be immediately reported to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. The owner/operator of the recycling center shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel. Such material may be returned to a known generator, provided that specific permission to do so is received by the owner/operator after contacting 1-877-927-6337. Otherwise, the owner/operator shall dispose of the unauthorized waste in accordance with instructions received from the Department. [N.J.A.C. 7:26A- 3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

71. All revisions to the site plan and the approved documents which may be required as a result of the above, shall be submitted to this office for modification to this Approval. [N.J.A.C. 7:26A-3.5(e)]

72. Pursuant to N.J.A.C. 7:26A-3.11(a), the holder of this general approval shall obtain prior approval from the Department for any increase in the design capacity of the facility. The facility shall submit a request to the Department, in writing, for the proposed increase and shall submit updated information pursuant to the requirements of N.J.A.C. 7:26A-3.2(a), 3.4, or 3.8, as applicable. The facility shall also provide written notice of the request to the solid waste or recycling coordinator of the applicable district. [N.J.A.C. 7:26A-3.5(e)]

73. The sampling plan, collection, preservation, and handling for the sampling and analysis of unprocessed contaminated soil as required in this Approval must be performed in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest edition of the New Jersey Department of Environmental Protection, Field Sampling Procedures Manual. All analysis must be performed by a New Jersey certified laboratory. [N.J.A.C. 7:26A- 3.5(e)]

74. Petroleum contaminated soils shall be sampled either at the point of generation or at the recycling center. Soils from different generation sites shall be segregated at the facility until the sampling results are received. The sampling and analysis shall be implemented as follows: [N.J.A.C. 7:26A-3.5(e)]

75. All soils must be tested using the most current approved test methodology in accordance with USEPA SW-846. [N.J.A.C. 7:26A-3.5(e)]

76. Every 100 cubic yards of contaminated soil from each site shall be sampled and analyzed for EPH in the following manner: a representative sample from every 20 cubic yards of contaminated soil shall be taken and these five samples shall be composited into one sample and analyzed. When the volume of soil is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]

77. Every 800 cubic yards of contaminated soil shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards of contaminated soil shall be taken and these samples shall be composited into one sample and analyzed. When the volume of soil is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

78. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-8.5. The processing equipment at the facility uses bioremediation to process petroleum contaminated soils and achieve acceptable contaminent levels for reuse. [N.J.A.C. 7:26A- 3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

79. Processed material end products, for uses other than as landfill cover material, Department approved Brownfields projects or road construction projects, shall be sampled and analyzed for extractable petroleum hydrocarbons (EPH), total volatile organic compounds (VOC), and all contaminants listed in the New Jersey Soil Remediation Standards (SRS). The sampling procedure shall be implemented as follows: Every 100 cubic yards of processed soil shall be sampled and analyzed for the above contaminants in the following manner: a representative sample from every 20 cubic yards of processed soil shall be taken and these five samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]

80. Processed material end products to be used in road construction projects shall be sampled every 1,000 cubic yards for EPH and VOC in the following manner: a representative sample from every 100 cubic yards of processed soil shall be taken and the samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3.5(e)]

81. Other levels of testing may be allowed on a case-by-case basis as determined by use criteria in accordance with Department guidance and regulations. Applications for case-specific testing requirements must be made to the Bureau of Recycling & Hazardous Waste Management. [N.J.A.C. 7:26A- 3.5(e)]

82. Only approved criteria shall be used to determine the allowable end use of the processed material and the maximum allowable contamination levels for use. [N.J.A.C. 7:26A-3.5(e)]

83. The maximum allowable contamination levels for unrestricted general use are 200 ppm EPH and all individual organic contaminants less than or equal to 50% and inorganic contaminants less than or equal to 75% of the most stringent Direct Contact Soil Remediation Standards (SRS). [N.J.A.C. 7:26A- 3.5(e)]

84. The analytical requirements of the individual landfills shall be complied with for soils being used as landfill cover material. For soils being used as fill material in Brownfields projects, the requirements (including sampling frequency and analytical parameters) shall be approved by the individual Site Remediation Program case manager on a case-by-case basis. [N.J.A.C. 7:26A- 3.5(e)]

85. Other levels of contamination may be allowed on a case-by-case basis as determined by use criteria and levels of contamination in accordance with Department guidance and regulations. Certificates of Authority to operate beneficial use projects pursuant to N.J.A.C. 7:26-1.7(g) must be obtained before any use of the processed material end products. [N.J.A.C. 7:26A-3.5(e)]

86. Any processed material end products that do not meet the above criteria must be reintroduced to the treatment process for further treatment. After treatment, the processed material end products must be reanalyzed in accordance with the above criteria. [N.J.A.C. 7:26A-3.5(e)]

87. All analysis records must be kept for a minimum of three years and made available for inspection by state and local officials upon request. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139339 - Street Sweepings Sampling

88. Every 800 cubic yards of street sweepings shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards shall be taken and these samples shall be composited into one sample and analyzed. When the volume is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]

89. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A-3]

90. Unprocessed street sweepings shall be sampled either at the point of generation or at the recycling center. Street sweepings from different generation sites shall be segregated at the facility until the sampling results are received. [N.J.A.C. 7:26A- 3]

91. Every 100 cubic yards of street sweepings from each site shall be sampled and analyzed for EPH in the following manner: a representative sample from every 20 cubic yards shall be taken and these five samples shall be composited into one sample and analyzed. When the volume is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A- 3]

Subject Item: RCBG882032 - Final Phase Crushing Operations

92. The recycling center may receive no more than 2000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone. [N.J.A.C. 7:26A-3.5(e)]

93. Hours of operation for the receipt, processing and transferring source separated recyclable material can occur 24 hours per day, 7 days per week; the operation of the crusher shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m. [N.J.A.C. 7:26A- 3.5(e)]

94. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

Extec C-12+ Crusher
Extec Impact Crusher
Fintec 542 Screener
Sandvik QE440 Screener
Extec Robotrac Screener (2 units)
Extec S6000 Screener. [N.J.A.C. 7:26A- 3.5(e)]

95. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]

Subject Item: RCBG882032 - Final Phase Crushing Operations

96. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B), the recycling center shall immediately cease receiving any unprocessed material until the amount of these unprocessed materials stored on-site falls below 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). [N.J.A.C. 7:26A- 3.5(e)]

97. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D). These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]

98. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D), the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 74,812 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]

99. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 30 feet above the existing grade for the processed stockpile area. [N.J.A.C. 7:26A- 3.5(e)]

100. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A- 3.5(e)]

101. Requisite recycling center operations shall not be delayed or neglected for lack of required equipment or for equipment down time. [N.J.A.C. 7:26A- 3.3(5)e3]

Clean Earth Sampling Protocol
Carteret

PARAMETERS		TOTAL PETROLEUM HYDROCARBONS (TPH)*	TOTAL VOLATILE ORGANIC COMPOUNDS (VOCs)	POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)	TOTAL METALS - 8 RCRA	TCLP METALS RCRA	IGNITABILITY	CORROSIVITY (pH)	REACTIVITY - SULFIDE AND CYANIDE	PCBs
METHODS (1)		8015C	8260D	8270E	6010D/7471B	1311/6010D/ 7470A	1030A	9045D	SW846 CHAPTER 7.3	8082A
	FREQUENCY									
RESIDENTIAL	5 point composite sample every 400 CY	**X**								
	8 point composite sample every 800 CY		**X**							
Limit (mg/Kg)		**				Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 Cyanide <250	<2
COMMERCIAL	5 point composite sample every 400 CY	**X**								
	8 point composite sample every 800 CY		**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
Limit (mg/Kg)		**			End Use Criteria	Below RCRA Toxicity Level	Negative	>2 - <12.5	Sulfide <500 mg/kg; Cyanide <250 mg/kg	<2

*** - NJ EPH Category 2 Non-Fractionnated method may also be used for Petroleum Hydrocarbon analysis**
TPH-GRO analysis is required for soils with known or suspected gasoline contamination

**** - For soils with greater than 17,000 ppm TPH or EPH, provide Paint Filter Test analysis Method 9095**

(1) The methods provided are standard EPA methods. The method revisions are subject to change and the most current method should always be utilized by the laboratory.

This is to be used as a guideline for sampling. Sampling frequencies and parameter requirements may be modified at the discretion of the CE Approval staff based upon items such as site history, levels of contamination and/or source of contamination, etc.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 01/06/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh USA Inc.
1717 Arch Street
Philadelphia, PA 19103-2797

CN103174067-Clean-GAWUP-21-

CONTACT NAME:
PHONE (A/C, No, Ext): | **FAX (A/C, No):**
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : National Union Fire Insurance Co.	19445
INSURER B : AIU Insurance Co	19399
INSURER C : Zurich American Insurance Company	16535
INSURER D : Lexington Insurance Company	19437
INSURER E :	
INSURER F :	

INSURED
Clean Earth, LLC
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King of Prussia, PA 19406

COVERAGES **CERTIFICATE NUMBER:** CLE-006828425-01 **REVISION NUMBER:** 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X **COMMERCIAL GENERAL LIABILITY**			GL6547157	06/30/2021	06/30/2022	EACH OCCURRENCE	$	5,000,000
	[ ] CLAIMS-MADE [X] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$	5,000,000
							MED EXP (Any one person)	$	100,000
							PERSONAL & ADV INJURY	$	5,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$	50,000,000
	X POLICY [ ] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$	5,000,000
	[ ] OTHER:							$	
A	**AUTOMOBILE LIABILITY**			AL7030964 (AOS)	06/30/2021	12/30/2022	COMBINED SINGLE LIMIT (Ea accident)	$	5,000,000
A	X ANY AUTO			AL7030965 (VA)	06/30/2021	12/30/2022	BODILY INJURY (Per person)	$	
	[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	[ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$	
								$	
C	X **UMBRELLA LIAB** X OCCUR			AUC7364403-03	06/30/2021	06/30/2022	EACH OCCURRENCE	$	10,000,000
	[ ] **EXCESS LIAB** [ ] CLAIMS-MADE						AGGREGATE	$	10,000,000
	[ ] DED [ ] RETENTION $							$	
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N			WC16393279 (AOS)	06/30/2021	06/30/2022	X PER STATUTE [ ] OTH-ER		
B	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [N]	N / A		WC1639320 (CA)	06/30/2021	06/30/2022	E.L. EACH ACCIDENT	$	3,000,000
B	**(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below			WC16393281 (NY)	06/30/2021	06/30/2022	E.L. DISEASE - EA EMPLOYEE	$	3,000,000
				SIR: $750,000			E.L. DISEASE - POLICY LIMIT	$	3,000,000
D	Excess Liability			62785768	06/30/2021	06/30/2022	Limit		15,000,000
							Excess of		10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Evidence of Coverage

CERTIFICATE HOLDER

Clean Earth, LLC
933 First Avenue Ste. 200
King of Prussia, PA 19406

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Marsh USA Inc.

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ADDITIONAL REMARKS SCHEDULE

AGENCY	NAMED INSURED
Marsh USA Inc.	Clean Earth, LLC 933 First Avenue Ste. 200 King of Prussia, PA 19406
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** Certificate of Liability Insurance

Contractor's Pollution Liability

Carrier: Allied World Assurance Company US Inc., NAIC#: 19489
Policy: 0312-3010
Effective Date: 06/30/2021
Expiration Date: 06/30/2022
Per Incident $1,000,000
Aggregate $1,000,000

Pollution Legal Liability

Carrier: Allied World Assurance Company US Inc., NAIC#: 19489
Policy: 0312-3010
Effective Date: 06/30/2021
Expiration Date: 06/30/2022
Per Incident $1,000,000
Aggregate $1,000,000

Professional Liability

Carrier: Allied World Assurance Company US Inc., NAIC#: 19489
Policy: 0312-3010
Effective Date: 06/30/2021
Expiration Date: 06/30/2022
Per Incident $1,000,000
Aggregate $1,000,000

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Additional Named Insureds
Clean Earth LLC
Assessment & Remedial Design Technologies, Inc.
Accelerated Remediation Kinetics, LLC
Advanced Remediation & Disposal Technologies of DE, LLC
Allied Environmental Group, LLC
Clean Earth of Carteret, LLC dba Clean Earth of Connecticut dba Phoenix Soil –A Clean Earth Company
United Retek of Connecticut, LLC
Clean Earth of Maryland, LLC
Clean Earth of New Castle, LLC
Clean Earth of North Jersey, Inc.
Clean Earth of Philadelphia, LLC
Clean Rock Properties, Ltd.
Real Property Acquisition, LLC
Clean Earth Dredging Technologies, LLC
Clean Earth of Southeast Pennsylvania, LLC
Clean Earth of West Virginia, Inc
Clean Earth of Williamsport, LLC
Clean Earth of Georgia, LLC
Clean Earth of Southern Florida, LLC
Clean Earth Environmental Services, Inc.
Clean Earth of Greater Washington, LLC dba Clean Earth Aggregates
Gardner Road Oil, LLC DBA Clean Earth of Brandywine
AERC Acquisition Corporation dba AERC Recycling Solutions, A Clean Earth Company; dba DART, A Clean Earth Company
AES Asset Acquisition Corporation dba Clean Earth of Calvert City dba Clean Earth of Morgantown dba AES Environmental, LLC dba American Transportation Solutions, LLC
Clean Earth of Alabama, Inc.
MKC Acquisition Corporation MKC Acquisition Corporation dba MKC Enterprises, A Clean Earth Company
Environmental Soil Management, Inc
Environmental Soil Management of New York, LLC dba ESMI, A Clean Earth Company
Clean Earth of Michigan, LLC dba DART, Inc., A Clean Earth Company
Clean Earth Mobile Services, LLC
Carteret Asphalt Corporation

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951/984-0565
www.nj.gov/dep/dshw/recycling

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Richard Parrish, President
Impact Environmental Consulting, Inc.
170 Keyland Court
Bohemia, NY 11716

June 5, 2017

Re: Class B Recycling Center General Approval Renewal with No Changes
Impact Environmental Consulting, Inc.
Block 235, Lots 4 & 5
City of Lyndhurst, Bergen County
Facility No. 131888
Permit No.: CBG170002

Dear Mr. Parrish:

Please be advised that the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste has reached a final determination to issue the Class B Recycling Center General Approval with No Changes for the above referenced facility. Enclosed is a copy of the final document.

Should you wish to contest any of the conditions of the enclosed general approval, you must file a request for an adjudicatory hearing within twenty (20) days of the date you receive this decision notice in accordance with the procedures found in N.J.A.C. 7:26A-3.14. A copy of the request should also be mailed to this office.

If you have any questions concerning this matter, please contact Rakesh Patel of my staff at (609) 984-6814, or by email at rakesh.patel@dep.nj.gov

Sincerely,

Zafar Billah

Zafar M. Billah, Acting Chief
Bureau of Recycling &
Hazardous Waste Management

Enclosures

C: *Thomas Farrell, Chief, Bureau of SW Compliance & Enforcement
*Gina Lugo, Supervisor, Bureau of SW Compliance & Enforcement
*Ron Bannister, Supervisor, Bureau of Non-Point Pollution Control
Richard Wierer, Bergen County Solid Waste Coordinator
Mark Vangieri, Bergen County Recycling Coordinator
Maureen Kelly, Bergen County Health Department
Tom Marturano, NJSEA Solid Waste Coordinator
Helen Polito, Lyndhurst Municipal Clerk

*Via Email

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

December 10, 2014

Mr. Gregory J. Fink
Health and Safety Regional Director
Republic Environmental Systems (Pennsylvania), LLC
2337 North Penn Road
Hatfield, PA 19440

Re: RCRA Part B Permit Renewal
Republic Environmental Systems (Pennsylvania), LLC
Hatfield Township
Montgomery County
Permit ID No. PAD 085 690 592
APS No. 766306, AUTH No. 904575

Dear Mr. Fink:

The Department of Environmental Protection ("DEP") has reviewed the above-referenced application for the 10-year renewal with modification of the RCRA Part B Permit for Republic Environmental Systems (Pennsylvania), LLC ("RESPA"), a commercial hazardous waste storage, treatment, and transfer facility located at 2869 Sandstone Drive in Hatfield Township, Montgomery County.

Based upon the DEP's review, we have determined that you have satisfied all applicable requirements necessary to continue operations at the RESPA facility. Enclosed is the facility's RCRA Hazardous Waste Part B Permit No. PAD 085 690 592 for a new ten-year term including approved modifications. This permit is issued in accordance with Article V of the Solid Waste Management Act, 35 P.S. Sections 6018.101 et seq.

Compliance with the terms and conditions set forth in your permit is mandatory. Please note that issuance of this permit does not eliminate the necessity to comply with all federal, state, or local requirements at the permitted facility. This permit replaces all RCRA Part B permits and modifications issued prior to this permit.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals

must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

If you have any questions about the enclosed permit or requirements of the Solid Waste Management Act, please contact Dr. Mohamad Mazid, P.E., Chief, Technical Services, at 484.250.5768.

Thank you for your cooperation.

Sincerely,

James Wentzel, P.E.
Regional Manager
Waste Management

Enclosure: Renewal Permit No. PAD 085 690 592
Response to Comments

cc: Hatfield Township (w/enclosures)
Mr. Shaw - Montgomery County Planning Commission (w/enclosures)
Ms. Barbieri - U.S. EPA, Region 3 (w/enclosures)
Re 30 (eh14wm)342

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
PERMIT
FOR HAZARDOUS WASTE STORAGE, TREATMENT, AND DISPOSAL

Permittee: Republic Environmental Systems (Pennsylvania), LLC Permit Number: PAD 085 690 592

Facility: Republic Environmental Systems (Pennsylvania), LLC

2869 Sandstone Drive, Hatfield, PA 19440

This permit is issued by the Commonwealth of Pennsylvania Department of Environmental Protection (DEP) under authority of the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, Act 97, 35 P.S. Section 6018.101 et seq. (the Act), DEP's hazardous waste regulations, and Federal hazardous waste regulations, to Republic Environmental Systems (Pennsylvania), LLC (hereafter called the Permittee), to continue operations at a hazardous waste management facility located at 2869 Sandstone Drive, Hatfield, PA, in Hatfield Township, Montgomery County, at latitude 40 ° 17 ' 30 " North and longitude -75 ° 17 ' 09 " West.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (Parts I–VI and Attachments 1 through 11, consisting of pages 1 through 46) and the applicable regulations contained in 25 Pa. Code Chapters 260a–270a and 40 CFR 260–270 as specified in the permit.

This permit is based on the assumption that the information submitted in the permit renewal application attached to the Permittee's letter dated November 22, 2011; as modified by subsequent amendments dated December 19, 2011; November 2, 2012; June 20, 2013; September 4, 2013; November 8, 2013; May 2, 2014, and October 2, 2014 (hereafter referred to as the application); are accurate and that the facility will be constructed and/or operated as specified in the application. Any inaccuracies found in this information may be grounds for the revocation or modification of this permit and potential enforcement action. The Permittee must inform DEP of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit is conditioned upon full compliance with all applicable provisions of the Act; DEP's regulations contained in 25 Pa. Code Chapters 260a–270a; Federal regulations contained in 40 CFR Chapters 260–270; the Clean Streams Law, 35 P.S. 691.1 et seq.; the Air Pollution Control Act, 35 P.S. 4001 et seq.; the Dam Safety and Encroachments Act, 32 P.S. 693.1 et seq.; the Surface Mining Conservation and Reclamation Act, 52 P.S. 1396.1 et seq.; the Coal Refuse Disposal Control Act, 52 P.S. 30.51 et seq.; all other Pennsylvania statutes related to the protection of the environment; and all Pennsylvania statutes related to the protection of public health, safety, and welfare.

This permit is effective as of December 10, 2014, and shall remain in effect until December 10, 2024, unless revoked and reissued, or terminated in accordance with 25 Pa. Codes 270a.41, 270a.42, and 270a.43 and 40 CFR 270.41, 270.42, and 270.43, or continued.

PART I - STANDARD CONDITIONS

A. EFFECT OF PERMIT

This permit authorizes only the management of hazardous waste, and residual waste managed as hazardous waste at the facility pursuant to 25 Pa. Code 287.2(i), expressly described in this permit and does not authorize any other management of hazardous or residual waste. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local laws or regulations. Compliance with the terms of this permit does not constitute a defense to any action brought under the Act or any other law governing protection of public health or the environment.

B. PERMIT ACTIONS

This permit may be modified, revoked, reissued, and terminated for cause as specified in 25 Pa. Code 270a.41, 270a.42, 270a.43 and 40 CFR 270.41, 270.42, and 270.43 or suspended in accordance with the Act. The filing of a request for a permit modification, revocation, reissuance, revocation, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay or supersede the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held to be invalid, the application of such provision to other circumstances and the remaining provisions of this permit shall not be affected thereby.

D. DEFINITIONS

For the purpose of this permit, terms used herein shall have the same meaning as those in Title 25 of the Pennsylvania Code and Title 40 of the Code of Federal Regulations (25 Pa. Code Chapters 260a-270a and 40 CFR 260-270), unless this permit specifically states otherwise; where terms are not otherwise defined, the meaning associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term. "The Department" or "DEP" is the Department of Environmental Protection of the Commonwealth of Pennsylvania.

E. REPORTS, NOTIFICATIONS, AND SUBMISSIONS TO DEP

All reports, notifications, or other submissions which are required by this permit to be sent or given to DEP should be sent certified mail or given to:

The Regional Solid Waste Manager
Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

F. SIGNATORY REQUIREMENTS

All reports or other information requested by DEP shall be signed and certified as required by 40 CFR 270.11.

G. DOCUMENTS TO BE MAINTAINED AT THE FACILITY SITE

The Permittee shall maintain at the facility, until closure is completed and certified by an independent registered Professional Engineer, the following documents and amendments, revisions, and modifications to these documents:

1. Waste Analysis Plan required by 40 CFR 264.13 and 25 Pa. Code 264a.13 and this permit.

2. Personnel training documents and records required by 40 CFR 264.16(d) and this permit.

3. Contingency plan required by 40 CFR 264.53(a) and this permit.

4. Closure and post-closure plan(s) required by 40 CFR 264.112(a) and (b) and 40 CFR 264.118(a) and (b) and this permit.

5. Annually-adjusted cost estimate(s) for facility closure required by 40 CFR 264.142 and this permit.

6. Operating record required by 40 CFR 264.73 and Part II, Section H.1 of this permit.

7. Inspection schedules and logs required by 40 CFR 264.15(b)(2) and this permit.

8. Any other documents required by Part I and Part II of this permit, unless other record retention time frames are specified for those other documents.

H. DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and the regulations promulgated thereunder and is grounds for enforcement action; for permit revocation, termination, reissuance, or modification; or for denial of a permit renewal application.

2. Duty to Reapply. If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must submit a complete application for a new permit at least 180 days before this permit expires.

3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application and through no fault of the Permittee, DEP has not issued a new permit.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the Permittee in an enforcement action to argue that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

5. Duty to Mitigate. In the event of noncompliance with the Act, the regulations, or this permit, the Permittee shall take all necessary steps to prevent and abate any releases to the environment, and shall carry out such measures as are necessary to prevent significant adverse impacts on human health or the environment.

6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of storage, treatment, and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the Act, the regulations, and the conditions of this permit. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing, training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall operate back-up or auxiliary facilities or similar systems if necessary to achieve compliance with the Act, the regulations, and the conditions of the permit.

7. Duty to Provide Information. The Permittee shall furnish to DEP within a reasonable time, any relevant information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to DEP, upon request, copies of records required to be kept by the Permittee pursuant to the Act, the regulations, or any permit condition.

8. Inspection and Entry. The Permittee shall allow DEP, its agents and authorized representatives, upon the presentation of credentials and other documents as may be required by law, or without advance notice or a search warrant, to:

   a. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records concerning the regulated facility or activity are kept.

   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

   c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the Act, the regulations, or this permit.

   d. Sample or monitor any substances or parameters at any location for the purposes of assuring permit compliance or as otherwise authorized by the Act or the regulations.

   e. Engage in any other activities necessary or appropriate to the documentation of events or conditions at any locations.

9. Monitoring and Records.

   a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 - Criteria, Identification, and Listing of Hazardous Waste or an equivalent method approved by DEP. Laboratory methods must be those specified in Appendix III of 40 CFR Part 261; Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (U.S. EPA Document SW-846, most recent edition); Standard Methods of Waste Water Analysis (U.S. EPA; 15th ed.; 1980); or an equivalent method approved by DEP and as specified in the attached waste analysis plan.

   b. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by the Act, the regulations, or this permit, and all records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or record, or application. These periods may be extended by request of DEP at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

c. The Permittee shall maintain records of all groundwater quality and groundwater surface elevations for the active life of the facility and during any post-closure care period that may be required.

d. The Permittee shall, at a minimum, keep monitoring records which include the following information:

(1) The dates, exact place, and times of sampling or measurements.
(2) The individuals who performed the sampling or measurements.
(3) The dates analyses were performed.
(4) The individuals who performed the analyses.
(5) The analytical techniques or methods used.
(6) The results of such analyses.

10. Reporting Planned Changes. The Permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. This notice must include a description of all incidents of noncompliance reasonably expected to result from the proposed changes. The Permittee shall not modify the facility without first obtaining a permit from DEP.

11. Anticipated Noncompliance. The Permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

12. Transfer of Permits. This permit shall not be transferred or assigned to any other person or municipality.

13. Twenty-Four Hour Reporting. The Permittee shall report to DEP any noncompliance with the Act, the regulations, or any condition of this permit or any occurrence or event at the facility, which may endanger health or the environment.

a. Information shall be provided orally within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. This report shall include the following:

(1) Information concerning release or potential release of any hazardous waste from the facility that may endanger public drinking water supply sources.
(2) Any information of a release, potential release, or discharge of hazardous waste from the facility, or information of a potential or actual fire or explosion at the facility, which may threaten the environment or human health.

b. The description of the occurrence and its cause shall include:

(1) Name, address, and telephone number of the owner or operator.
(2) Name, address, and telephone number of the facility.
(3) Date, time, and type of incident.
(4) Name and quantity of material(s) involved.
(5) The extent of injuries, if any.
(6) An assessment of actual or potential hazards to the environment and human health at or near the facility.
(7) Estimated quantity and disposition of recovered material that resulted from the incident.

c. A written submission shall also be provided to DEP within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance (including exact dates and times); if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The Permittee need not comply with the five (5) day written notice requirement if DEP extends it to fifteen (15) days.

14. Other Noncompliance. The Permittee shall report to DEP all other instances of noncompliance not otherwise required to be reported above, at the time monitoring reports are submitted. The reports shall contain the information listed in Part I, Condition H.13.

15. Other Information. Whenever the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to DEP, or whenever the Permittee becomes aware of circumstances which require a modification or clarification of any fact or representation made to DEP in connection with a permit application, it shall promptly submit such facts or information to DEP.

I. CERTIFICATION OF CONSTRUCTION OR MODIFICATION

The Permittee may not change hazardous waste operations at the facility until:

1. The Permittee has submitted to DEP by certified mail or hand delivery a letter signed by the Permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and

2a. DEP has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

2b. DEP has either waived the inspection or has not within fifteen (15) days notified the Permittee of its intent to inspect.

PART II - GENERAL FACILITY CONDITIONS

A. DESIGN AND OPERATION OF FACILITY

The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or release of hazardous waste or hazardous waste constituents to air, soil, surface water, or groundwater which could threaten human health or the environment.

B. GENERAL WASTE ANALYSIS

The Permittee shall follow the procedures described in the attached waste analysis plan, Attachment 1. The Permittee shall verify its waste analysis as part of its quality assurance program, in accordance with current U.S. EPA practices (Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846, most recent edition) or equivalent methods approved by DEP in accordance with procedures in 40 CFR 260.21; and at a minimum maintain proper functional instruments, use approved sampling and analytical methods, verify the validity of sampling and analytical procedures, and perform correct calculations.

1. Hazardous and Residual Waste Acceptance Procedures Pursuant to 40 CFR 264.13 and 25 Pa. Code 287.132.

    a. Except as may be authorized by Part II.B.1.c or II.B.2, the permittee must submit a waste processing request (Form U) and source reduction strategy (Form 25R) for each individual large quantity residual waste generator, or a request for approval to treat, store, or dispose of a specific hazardous waste stream from a specific generator (Module 1), to DEP prior to acceptance of waste. Proof of submission to DEP shall be a dated, certified mail return receipt card; a signed, dated, acceptance receipt for hand delivered requests; a signed, dated receipt for overnight mail/federal express deliveries; or some alternative method that has been approved in writing by DEP. Waste indicated on Form U or Module 1 may be accepted for processing by the Permittee upon the earlier of receipt of DEP approval or after 15 DEP calendar days. If at any time after the 15 working day period it is determined by DEP that the waste accepted is not consistent with the waste analysis and classification plan, the design of the facility, or the waste reduction strategy, the Permittee shall be notified and acceptance of this waste may also be subjected to any and all applicable enforcement actions under the Solid Waste Management Act and the Rules and Regulations promulgated thereunder.

    b. All Form U, Module 1, and generic waste acceptance notification submissions, except those covered by PART II.B.1.c, must be sent to the host municipality and host county at the same time they are submitted to DEP.

c. For residual waste generators and hazardous waste generators, other than large quantity generators, a Form U, Module 1, or a generic waste acceptance notification must be completed and is to be kept on file prior to acceptance of the waste.

d. The Permittee shall submit quarterly reports by April 20, July 20, October 20, and January 20 to DEP's Southeast Regional Office. These reports shall list all hazardous and residual wastes accepted for storage, consolidation, treatment, and transfer. The report shall include the information by generator including the waste type, approved quantity, quantity accepted, generator identification number, and the identification number for each Form U or Module 1 submission or generic waste acceptance notification for all waste accepted at the facility during the quarter covered by the report. The report must include the anniversary acceptance date for each generator of residual waste. This information is also to be incorporated into the operating record required in PART II.H.1. Reports may be submitted in an electronic format acceptable to DEP.

e. The annual analysis report (Form 26R) for each residual waste generator, from which waste is accepted pursuant to PART II.B.1.a, is to be kept on file at the facility. This is due at the facility from the generator one year after DEP receives the Form U submission and each year thereafter. For small quantity residual waste generators, analysis data and/or certification pertaining to hazardous determination criteria is to be kept on file. The waste cannot be accepted if the Permittee does not have an annual submission of Form 26R from large quantity generators or annual analytical data from small quantity generators.

f. All Form U and Module 1 documents and generic waste acceptance notifications must be kept on file and each assigned a sequential identification number which is to be recorded on all forms submitted to DEP.

g. No residual waste is to be accepted from any generator or treatment facility that is bulking or mixing different categories of residual waste unless such facility is permitted by DEP or other state environmental protection agency for this purpose.

h. All residual wastes from generators submitting a Form U document or a generic waste acceptance notification must be consistent with the requirements stated in the currently approved waste analysis plan.

i. The Permittee shall not accept any waste whose chemical constituents are not included in, or are in excess of maximum acceptance concentrations delineated in, the waste analysis plan unless a permit amendment application modifying the waste analysis plan is submitted and approved by DEP.

2. Generic Waste Acceptance Procedures Pursuant to 25 Pa. Code 264a.13 and 287.2(i).

a. For certain pre-approved waste categories as listed below, the Permittee may implement a generic waste approval notification process in place of the process required pursuant to PART II.B.1.a.:

(1) **Mixed Acid Liquids Accepted for Treatment** – D002, D004, D005, D006, D007, D008, D009, D010, D011, F006, and K062.

(2) **Mixed Alkaline Liquids Accepted for Treatment** – D002, D004, D005, D006, D007, D008, D009, D010, D011, F006, F007, F008, and K062.

(3) **Mixed Neutral Solutions with Heavy Metals Accepted for Treatment** – D004, D005, D006, D007, D008, D009, D010, D011, F006, F007, F008, and K062.

(4) **Heavy Metal Contaminated Soils/Solids Accepted for Treatment** – D004, D005, D006, D007, D008, D009, D010, and D011.

(5) **Residual Wastes for Management in Containers and Tanks Pursuant to PART III and IV of the Permit** – residual wastes from the approved list in Table III-2 as contained in PART III of this permit.

(6) **Residual Wastes for Management in the Sludge Vault Pursuant to PART V of the Permit** – residual wastes types as listed in PART V.A.2.

(7) **Hazardous Wastes for Management in Containers and Tanks Pursuant to PART III and IV of the Permit** – liquid hazardous wastes from the approved list in Table III-1 of this permit.

(8) **Hazardous Wastes for Management in the Sludge Vault Pursuant to PART V of the Permit** – solid hazardous wastes from the approved list in Table III-1 of this permit.

(9) **Lab Pack Waste Accepted for Storage, Consolidation and/or Transfer** – lab pack waste consisting of hazardous wastes from the approved list in Table III-1 and residual wastes from the approved list in Table III-2, as contained in PART III of this permit. This category does not include treatment of lab pack waste.

b. Prior to accepting a specific waste (from the pre-approved categories above) from a specific generator for the first time, notification shall be sent to DEP. The Permittee shall document confirmation of delivery of the notification by the use of certified mail return receipts, dated receipts for hand deliveries, or some alternative method that has been approved in writing by DEP. When a facsimile notification is used, the Permittee shall mail an original notification to DEP within twenty-four hours and confirm delivery by one of the methods noted above.

c. Notification submittals shall consist of the following:

(1) For the pre-approved categories identified in PART II.B.2.a.1 through PART II.B.2.a.9 from large quantity generators, the notification submittal shall follow the Permittee's approved Generic Category Waste Approval Notification Procedure, which calls for the submittal of separate notifications forms for residual and hazardous waste that shall be specific for each generator and that shall contain the following information: generator information, unique reference number, type of waste (residual or hazardous), description of waste, waste code, treatment category, quantity, and frequency of acceptance. This notification procedure will also include a "packaged laboratory chemicals" category on the notification form(s), if any, for the generator in lieu of submitting a separate notification form(s) with packing list for each lab pack container.

(2) For the pre-approved categories identified in PART II.B.2.a.1 through PART II.B.2.a.9 from other than large quantity generators, the requirements of PARTs II.B.1.c and II.B.1.d, as incorporated by PART II.B.2.e, shall satisfy the notification submittal requirements of PARTs II.B.2.b and II.B.2.d, and notification prior to acceptance of waste is waived.

d. The Permittee shall provide notification to DEP prior to the acceptance of waste under this generic waste approval notification process. In cases where additional treatment beyond the standard treatment methods contained in the waste analysis plan is required, the Permittee shall supply the additional treatment methodology as part of its notification to DEP and shall not process the waste until approved by DEP to do so. Acceptance of wastes not meeting the requirements of the approved generic waste acceptance procedures shall be conducted in accordance with the procedures outlined in PART II.B.1.a.

e. For those wastes accepted pursuant to PART II.B.2.a-d in place of PART II.B.1.a, the Permittee shall also abide by the requirements of PARTs II.B.1.b – d and PARTs II.B.1.f–i. for each generic waste acceptance notification.

f. If at any time after receipt of the generic waste acceptance notification it is determined by DEP that the waste accepted is not consistent with the waste analysis and classification plan, the design of the facility, or the waste reduction strategy, the Permittee shall be notified and acceptance of this waste may also be subjected to any and all applicable enforcement actions under the Solid Waste Management Act and the Rules and Regulations promulgated thereunder.

3. All solid or aqueous residual waste from existing generators, or solid or aqueous residual waste from new generators, shall only be accepted pursuant to the provisions of Part II.B.1.a or II.B.2.

C. SECURITY

The Permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c).

D. GENERAL INSPECTION REQUIREMENTS

The Permittee shall follow the inspection plan set out in the inspection schedule, Attachment 2. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by 40 CFR 264.15(c). Records of inspections shall be kept as required by 40 CFR 264.15(d).

E. PERSONNEL TRAINING

The Permittee shall conduct personnel training as required by 40 CFR 264.16. This training program shall follow the attached outline, Attachment 3. The Permittee shall maintain training documents and records as required by 40 CFR 264.16(d) and (e).

F. PREPAREDNESS AND PREVENTION

1. Required Equipment. At a minimum, the Permittee shall equip the facility with the equipment set forth in the PPC Plan, Attachment 4, as required by 40 CFR 264.32.

2. Testing and Maintenance of Equipment. The Permittee shall test and maintain the equipment specified in the previous permit condition and in Attachment 4 as necessary to assure its proper operation in time of emergency.

3. Access to Communications or Alarm System. The Permittee shall maintain access to the communications or alarm system as required by 40 CFR 264.34.

4. Required Aisle Space. At a minimum, the Permittee shall maintain aisle space as required by 40 CFR 264.35 and 25 Pa. Code 264a.173 and as shown on the plans and specifications, Attachment 5.

5. Arrangements with Local Authorities. The Permittee shall maintain arrangements with state and local authorities as required by 40 CFR 264.37. If state or local officials refuse to enter into or renew existing preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.

G. PREPAREDNESS, PREVENTION, AND CONTINGENCY (PPC) PLAN

1. Implementation of PPC Plan. The Permittee shall immediately carry out the provisions of the PPC Plan, Attachment 4, and follow the emergency procedures described by 25 Pa. Code 264a.56 and 40 CFR 264.56 (a)–(i) whenever there is a fire, explosion, emission, or discharge of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

2. Copies of Plan. The Permittee shall comply with the requirements of 40 CFR 264.53.

3. Amendments to Plan. The Permittee shall review and immediately amend, if necessary, the PPC Plan, as required by 40 CFR 264.54.

4. Emergency Coordinator. The Permittee shall comply with the requirements of 40 CFR 264.55.

5. Emergency Procedures. The Permittee shall comply with the requirements of 25 Pa. Code 264a.56 and 40 CFR 264.56(a-i).

H. RECORDKEEPING AND REPORTING

1. Operating Record. The Permittee shall maintain a written operating record at the facility in accordance with 40 CFR 264.73.

2. Biennial Report. The Permittee shall comply with all applicable biennial facility report requirements 25 Pa. Code Section 264a.75 and 40 CFR 264.75.

3. Required Reports. The Permittee shall comply with all applicable reporting requirements as described in Part I and Part II Sections of this permit.

I. CLOSURE

1. Performance Standard. The Permittee shall close the facility as required by 40 CFR 264.111, 264.178, and in accordance with the Closure Plan, Attachment 6.

2. Amendment to Closure Plan. The Permittee shall amend the Closure Plan in accordance with 40 CFR 264.112(c) whenever necessary.

3. Notification of Closure. The Permittee shall notify DEP in writing at least 180 days prior to the date he expects the final volume of waste.

4. Time Allowed for Closure. After receiving the final volume of hazardous waste, the Permittee shall remove from the site all hazardous waste and shall complete closure activities in accordance with the schedules specified in the Closure Plan, Attachment 6.

5. Disposal or Decontamination of Equipment. The Permittee shall decontaminate and/or dispose of all facility equipment and structures as required by 40 CFR 264.114 and the Closure Plan Attachment 6.

6. Certification of Closure. The Permittee shall certify that the facility has been closed in accordance with the specifications in the Closure Plan as required by 25 Pa. Code 264a.115 and 40 CFR 264.115.

J. COST ESTIMATE FOR FACILITY CLOSURE AND POST-CLOSURE CARE

1. Annual Adjustment. The Permittee shall adjust the closure and post-closure cost estimate for inflation within 30 days after each anniversary of the date on which the first cost estimate was made as required by 40 CFR 264.142(b).

2. Adjustment for Changed Conditions. The Permittee shall revise the cost estimate whenever there is a change in the facility's closure and/or post-closure plan or in the measures necessary to prevent adverse effects upon the environment as required by 40 CFR 264.142(c).

3. Availability. The Permittee must keep at the facility the latest cost estimate as required by 40 CFR 264.142(d).

4. Incapacity of Permittee or Financial Institutions. The Permittee shall comply with 25 Pa. Code 264a.148 and 40 CFR 264.148 whenever necessary.

K. BONDING REQUIREMENT

The Permittee shall maintain the bond, submitted to and approved by DEP as required by 25 Pa. Code. 264a.153. The Permittee shall comply with all applicable bond replacement requirements of 25 Pa. Code 264a.158.

L. LIABILITY INSURANCE

The Permittee shall comply with the liability insurance requirements of 25 Pa. Code 264a.147 and the documentation requirements of 40 CFR 264.147(a) and (b). These include the requirements to have and maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million, exclusive of legal defense costs. The Permittee shall submit new certificates of liability insurance 60 days prior to the expiration of the current certificate.

M. REQUIRED NOTICES

1. Notice to DEP. The Permittee shall notify DEP in writing at least four (4) weeks in advance of the date the Permittee expects to receive hazardous waste from a foreign source. Notice of subsequent shipments of the same waste from the same foreign source is not required.

2. Notice to Generator. When the Permittee plans to receive hazardous waste from an off-site source (except where the Permittee is also the generator), he must inform the generator in writing that he has the appropriate permits for, and will accept, the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record. (See PART II.H.1).

N. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

The Permittee shall comply with the requirements of 40 CFR 264.17.

O. MANIFEST SYSTEM

The Permittee shall comply with the manifest requirements of 25 Pa. Code 264a.71 and 40 CFR 264.70-264.72 and 264.76.

P. BUFFER ZONE

The Permittee shall establish and maintain a buffer zone of 50 feet between the property line and the permitted facility within which no solid waste treatment, storage, or disposal activities shall occur, except as otherwise specifically approved in this permit.

Q. POST-CLOSURE

1. Monitoring and Maintenance. The Permittee shall monitor and maintain the facility as required by 40 CFR 264.117(d); 40 CFR 264.118(a) and (b); 40 CFR 264.280(c); and 40 CFR 264.310(b) in accordance with the post-closure plan, Attachment 6.

2. Amendment to Post-Closure Plan. The Permittee shall amend the post-closure plan in accordance with 40 CFR 264.118(a) and (d) whenever necessary.

R. OTHER FACILITY REQUIREMENTS

1. Except as authorized pursuant to PART III.D.3.b, all containers, lab pack, bulk solids, and bulk liquids unloading and loading operations shall be conducted within the authorized areas identified below and shown on Drawing Nos. 21 (SCS-PP) and 24 (CB1):

   a. Covered Loading Docks Nos. 1 and 2.

   b. Truck pit.

   c. Containment Building.

2. All container, lab pack, bulk solids, and bulk liquids storage shall be conducted within the container, tank, or containment building storage areas identified in Parts III, IV, and V of this permit. No outside storage of waste or containers, including empty and unusable containers, is authorized except for temporary staging of waste for the purposes and durations described in PART III.D.3 and temporary staging of empty, reusable containers as shown on Drawings 24 (CB1) and 39 (FTF).

3. Facility storage capacity is limited to those capacities contained in PART III.D for containerized waste, PART IV.A for bulk liquid waste, and PART V.I for bulk solid waste.

4. Processing of drums or containers is limited to the following:

   a. Operation of a manually operated, metal-drum crusher in the lab pack area.

   b. Operation of a manually operated, polyethylene-container cutting unit in the truck pit and/or containment building areas.

5. Except or unless as otherwise constrained by available on-site facility waste storage capacity, the facility is limited to the acceptance of no more than 30 waste delivery vehicles per day (tankers, roll-offs, dump trucks/trailers, and/or box/flat-bed trailers). DEP may reduce this acceptance limitation if the type, number or frequency of waste delivery vehicles is found to present harm, or a threat of harm, to public health, safety, or welfare. The Permittee shall conduct a transportation impact study, consistent with PennDOT guidelines, to evaluate the then current and projected impact of facility operations on public safety and traffic congestion to support any request to increase this facility waste acceptance limitation.

6. Documentation demonstrating compliance with PART II.R.5, regarding the number and type of waste delivery vehicle accepted, shall be placed in the operating record (PART II.H.1).

PART III - STORAGE IN CONTAINERS

A. WASTE IDENTIFICATION

The Permittee may store the following wastes in containers at the facility, subject to the terms of this permit.

Table III-1 lists the RCRA Hazardous Waste Code Numbers, Chemical Abstract Service (CAS) Numbers of all the hazardous wastes permitted to be stored and managed at the designated storage areas at the facility. The code numbers and source description of the hazardous wastes are listed in 40 CFR, Subpart D, Sections 261.31, 261.32, and 261.33.

TABLE III-1 – Approved Hazardous Waste Codes

CHARACTERISTIC HAZARDOUS WASTES

D001	D008	D015	D022	D029	D036	D043
D002	D009	D016	D023	D030	D037	
D003	D010	D017	D024	D031	D038	
D004	D011	D018	D025	D032	D039	
D005	D012	D019	D026	D033	D040	
D006	D013	D020	D027	D034	D041	
D007	D014	D021	D028	D035	D042	

HAZARDOUS WASTES FROM NONSPECIFIC SOURCES

F001	F005	F009	F019	F023	F027	F035
F002	F006	F010	F020	F024	F028	F037
F003	F007	F011	F021	F025	F032	F038
F004	F008	F012	F022	F026	F034	F039

HAZARDOUS WASTES FROM SPECIFIC SOURCES

K001	K017	K032	K047	K086	K106	K157
K002	K018	K033	K048	K087	K111	K158
K003	K019	K034	K049	K088	K112	K159
K004	K020	K035	K050	K093	K113	K160
K005	K021	K036	K051	K094	K114	K161
K006	K022	K037	K052	K095	K115	K169
K007	K023	K038	K060	K096	K116	K170
K008	K024	K039	K061	K097	K117	K171
K009	K025	K040	K062	K098	K118	K172
K010	K026	K041	K069	K100	K123	
K011	K027	K042	K071	K101	K124	
K013	K028	K043	K073	K102	K125	
K014	K029	K044	K083	K103	K126	
K015	K030	K045	K084	K104	K136	
K016	K031	K046	K085	K105	K156	

ACUTE HAZARDOUS WASTES

P001	P022	P045	P065	P085	P105	P128
P002	P023	P046	P066	P086	P106	P185
P003	P024	P047	P067	P087	P107	P188
P004	P026	P048	P068	P088	P108	P189
P005	P027	P049	P069	P089	P109	P190
P006	P028	P050	P070	P090	P110	P191
P007	P029	P051	P071	P091	P111	P192
P008	P030	P052	P072	P092	P112	P194
P009	P031	P053	P073	P093	P113	P196
P010	P033	P054	P074	P094	P114	P197
P011	P034	P055	P075	P095	P115	P198
P012	P036	P056	P076	P096	P116	P199
P013	P037	P057	P077	P097	P117	P201
P014	P038	P058	P078	P098	P118	P202
P015	P039	P059	P079	P099	P119	P203
P016	P040	P060	P080	P100	P120	P204
P017	P041	P061	P081	P101	P121	P205
P018	P042	P062	P082	P102	P122	
P020	P043	P063	P083	P103	P123	
P021	P044	P064	P084	P104	P127	

TOXIC HAZARDOUS WASTES

U001	U026	U051	U076	U101	U126	U150
U002	U027	U052	U077	U102	U127	U151
U003	U028	U053	U078	U103	U128	U152
U004	U029	U055	U079	U105	U129	U153
U005	U030	U056	U080	U106	U130	U154
U006	U031	U057	U081	U107	U131	U155
U007	U032	U058	U082	U108	U132	U156
U008	U033	U059	U083	U109	U133	U157
U009	U034	U060	U084	U110	U134	U158
U010	U035	U061	U085	U111	U135	U159
U011	U036	U062	U086	U112	U136	U160
U012	U037	U063	U087	U113	U137	U161
U014	U038	U064	U088	U114	U138	U162
U015	U039	U065	U089	U115	U139	U163
U016	U041	U066	U090	U116	U140	U164
U017	U042	U067	U091	U117	U141	U165
U018	U043	U068	U092	U118	U142	U166
U019	U044	U069	U093	U119	U143	U167
U020	U045	U070	U094	U120	U144	U168
U021	U046	U071	U095	U121	U145	U169
U022	U047	U072	U096	U122	U146	U170
U023	U048	U073	U097	U123	U147	U171
U024	U049	U074	U098	U124	U148	U172
U025	U050	U075	U099	U125	U149	U173
U174	U191	U211	U230	U249	U377	U396
U175	U192	U212	U231	U271	U378	U400
U176	U193	U213	U232	U277	U379	U401
U177	U194	U214	U233	U278	U381	U402
U178	U196	U215	U234	U279	U382	U403
U179	U197	U216	U235	U280	U383	U404
U180	U200	U217	U236	U328	U384	U407
U181	U201	U218	U237	U353	U385	U408
U182	U202	U219	U238	U359	U386	U409
U183	U203	U220	U239	U364	U387	U410
U184	U204	U221	U240	U365	U389	U411
U185	U205	U222	U242	U366	U390	
U186	U206	U223	U243	U367	U391	
U187	U207	U225	U244	U372	U392	
U188	U208	U226	U246	U373	U393	
U189	U209	U227	U247	U375	U394	
U190	U210	U228	U248	U376	U395	

Table III-2 lists the Approved Residual Waste Codes permitted to be stored and managed at the designated storage areas at the facility. While at the facility, residual waste shall be managed as a hazardous waste pursuant to 25 Pa. Code 287.2(i)

TABLE III-2 – Approved Residual Waste Codes

Residual Waste Code	Waste Category
000	**Combustion Residues**
001	Coal-derived bottom ash
002	Coal-derived fly ash
003	Flue gas desulfurization residue (FGD)
004	Incinerator bottom ash
005	Incinerator fly ash
006	Incinerator mixed ash
007	Other ash
100	**Metallurgical Process Residues**
101	Foundry sand
102	Slag
103	Refractory material
104	Grindings, shavings
105	Ferrous baghouse dust
106	Nonferrous baghouse dust
107	Ferrous scrap, including auto recycle
108	Nonferrous scrap
109	Sandblast abrasive and residue
110	Air emission control dust
111	Lubricating soap solids
112	Mill scales, heat treat scales
113	Dross, skims
200	**Sludges, Scales**
201	Water treatment sludge
203	Industrial wastewater treatment sludge, including acid mine drainage sludge
204	Metallurgical sludges/solids
205	Food processing sludge
206	Paint, coating sludge, and scale
207	Tank bottoms
208	Still bottoms
209	Oily sludge, petroleum-derived, grease
210	Emission control sludge
211	Other industrial sludge
212	Lime/cement kiln scale residue
213	Lime stabilization spent pickle liquor solids
214	Cooling tower sediments/sludge

Residual Waste Code	Waste Category
300	**Chemical Wastes**
301	Acidic chemical solids (pH 2-6)
302	Basic chemical solids (pH 8-12.5)
303	Combustible chemicals (flash point >140F)
304	Chemical salts
305	Carbon residues
306	Surface coatings (e.g., solid paints, polishes, adhesives, inks, etc.)
307	Filter media/aids (e.g., diatomaceous earth, etc.)
308	Spent dyes, starches, wax
310	Detergents, cleaning agents, soap solids
311	Off-specification products, intermediates
312	Pharmaceutical wastes
313	Wax, paraffin
314	Alcohols (nonhazardous)
315	Solvents (nonaqueous)
316	Solvents (aqueous)
317	Glycols/Antifreeze, machine coolants
318	Photographic chemicals
320	Spent plating baths
399	Other chemical wastes
400	**Generic Manufacturing or Production Wastes**
401	Leather wastes
402	Rubber, elastomer wastes
403	Wood wastes, (scrap lumber, pallets, particle board)
404	Paper, cardboard wastes (contaminated)
405	Textile waste, (yarn, fabric, elastic, fiber)
406	Glass waste (cullet)
407	Polyethylene, polystyrene, polyurethane, other non-halogenated plastics
408	Glass reinforced plastic
409	PVC, Teflon, CPE, other halogenated plastics
410	Electronic component wastes
411	Agricultural wastes (fertilizers, pesticides, feed supplements)
412	Photographic waste solids
413	Asphalt (bituminous)
414	Ceramic wastes
415	Linoleum waste
416	Thermal insulation wastes (cellulose, glass, wool)
417	Wiring, conduit, electrical insulation
418	Sawdust, wood shavings/turnings
419	Containers (uncontaminated)
420	Process wastewater

Residual Waste Code	Waste Category
421	Contaminated noncontact cooling water
422	Oil/water emulsions, oily wastewater
423	Landfill leachate
430	Food waste (excluding wastewater treatment sludge)
440	Resins
450	Polymer solids
460	Vinyl (sheet, upholstery)
470	Spent filters – air/gas
471	Spent filters – aquatic
472	Spent filters – oil/solvent
473	Paint filters, other cloth/paper filters, supersacs
474	Grease
480	Refractory (furnace, boiler, other than 103)
481	Carbon/graphite residue/scrap
482	Baghouse dust (other than 105, 106)
483	Blasting abrasive/residue (other than 109)
484	Gypsum plaster molds
499	Other generic waste
500	**Special Handling Residues**
501	Asbestos-containing waste (insulation, brake linings)
502	PCB-containing waste (PCB < 50 ppm)
503	Oil-contaminated waste (soils, spent absorbent, oily rags)
504	Paints (liquid or solidified/hardened)
505	Spent catalysts
506	Spill residues
507	Nonvirgin petroleum fuel contaminated soil and debris
508	Virgin petroleum fuel contaminated soil and debris
509	Waste oil, sludges/solids
510	Waste Tires
700	**Industrial Equipment, Scrap**
701	Pumping, piping, vessels, instruments, storage tanks (contaminated)
702	Scrap (from maintenance and product turnaround)
703	Batteries (nonhazardous, all types)
704	Grinding wheels
710	Plant trash
799	Other maintenance materials
800	**Non-Coal Mining, Oil & Gas and Well Drilling Wastes**
801	Drilling fluids, residuals (other than those under 802 through 810)

Residual Waste Code	Waste Category
900	**Miscellaneous**
902	Nonhazardous residue from treatment of hazardous wastes (other than 203)
999	Other - Personal protective equipment waste; Car/truck wash water grit/sludge; and, Fluorescent light tubes/bulbs

B. DURATION OF STORAGE

The Permittee shall not store containers of hazardous or residual waste at this facility in excess of one year.

C. CONDITION OF CONTAINERS

If a container holding hazardous or residual waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this permit.

D. PLACEMENT REQUIREMENTS

The Permittee shall store all hazardous and residual waste containers in accordance with the following volume, content, and location requirements as shown in Drawing Numbers 22 (CDL-EX), 23 (CDL-PP), 24 (CB1), and Container Management Plan, Attachment 5, for location and configuration layout details:

1. Existing (pre-modification) Container Storage Areas, effective upon issuance of this permit as shown in Drawing 22 (CDL-EX):

   a. Container Storage/Processing Area "A" - Acid Corrosives and Other Compatible Waste

      (1) Maximum volume of waste allowed - 15,840 gallons.

      (2) Maximum number of containers allowed - 288 (55 gallon drums or equivalent), in four rows with each row two drums wide and stacked three high.

      (3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "acid waste".

b. Container Storage/Processing Area "B" – Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed – 10,120 gallons.

(2) Maximum number of containers allowed - 184 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high, two rows with each row two drums wide and stacked two high and four rows with stacked three high.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline (basic) waste".

c. Storage Area "C"- Acid Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 19,800 gallons.

(2) Maximum number of containers allowed - 360 (55 gallon drums or equivalent) , in rows with each row two drums wide and stacked three high.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "acid waste".

d. Storage area "D" - Reactive Waste

(1) Maximum volume of waste allowed - 5,060 gallons.

(2) Maximum number of containers allowed - 92 (55 gallon drums or equivalent), stacked two high as configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "reactive waste".

e. Storage Area "E" - Ignitable Waste

(1) Maximum volume of waste allowed - 5,060 gallons.

(2) Maximum number of containers allowed - 92 (55 gallon drums or equivalent), stacked two high as configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "ignitable waste".

f. Storage Area "F" – Temporary Container Staging, Sampling Storage Area

(1) Maximum volume of waste allowed - 7590 gallons.

(2) Maximum number of containers allowed - 138 (55 gallon drums or equivalent), with two rows of two drums wide and stacked two high and one row of drums one drum wide and un-stacked configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 for temporary purpose.

g. Lab Pack Processing Area "G"

(1) Maximum volume of waste allowed - 880 gallons.

(2) Maximum number of containers allowed - 16 (55 gallon drums or equivalent), with one row of two drums wide and stacked two high.

(3) Waste portable compactor for compacting nonhazardous debris that is generated in the Lab Pack consolidation area shown in Drawing 22 (CDL-EX).

2. Modified Container Storage Area B and construction of a new Container Storage Area H, effective upon approval of construction certifications for Areas B and H. The remaining container storage areas remain as described in Part III.D.1.

a. Container Storage/Processing Area "B" – Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 10,560 gallons.

(2) Maximum number of containers allowed - 192 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high and in three rows with each row two drums wide and stacked two high configured as shown in Drawing 23 (CDL-PP).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline (basic) waste".

b. Container Storage/Processing Area "H" - Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 12,870 gallons.

(2) Maximum number of containers allowed - 234 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high and one drum wide and un-stacked configured as shown in Drawing 23 (CDL-PP), rev. 8/23/2013.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline waste".

3. Outdoor Container Staging Areas, effective upon issuance of this permit:

a. Staging in the truck pit for transfer into trailers, tankers, or reactors

(1) The maximum number of drums per batch to be staged at one time in the truck pit may not exceed 100 drums as shown in Drawing 24 (CB1), rev. 8/23/2013.

(2) Drums may not be staged in the truck pit for more than 24 hours.

(3) The following wastes are not approved for staging or transfer in the truck pit staging area:

Fuming acids
Reactive wastes
Sulfides and mercaptans
Organic solvents
Poisons
P-listed wastes
Highly odorous waste
Ignitable waste

(4) Transfer operations shall not be conducted during unsuitable or inclement weather.

b. Staging of package vans or other vehicles

(1) Vehicles that are too small to properly unload at the loading docks may be temporarily staged and unloaded from the parking area directly across from the loading docks as shown in Drawing 42 (PS), rev. 11/01/2011.

(2) Vehicles shall be staged in this area for no more than two hours.

(3) Wastes authorized to be unloaded in this manner shall be limited to lab pack or over-packed containers of approved wastes from brokers and small-quantity generators.

c. Staging outside of Containment Building (Sludge vault)

(1) Drums may be temporarily staged on the apron at the outside of the Containment Building (Sludge vault), as shown in Drawing 24 (CB1), rev. 8/23/2013, to facilitate efficient loading operations by minimizing the frequency that the sludge vault doors have to be opened.

(2) No more than 24 drums containing residual waste shall be staged outside of the nonhazardous waste side of the Containment Building (Sludge vault) at any one time.

(3) No more than 18 drums containing hazardous waste shall be staged outside of the hazardous waste side of the Containment Building (Sludge vault) at any one time.

(4) Drums shall be staged in this area for no more than eight hours. Only solid wastes shall be staged in this manner.

(5) Drums shall not be staged in this manner during unsuitable or inclement weather.

(6) Drums shall be otherwise managed consistent with the requirements of Part V.

d. Staging in trailers along property boundary

(1) A maximum of four trailers containing solid or liquid, containerized residual or hazardous waste, or nonliquid universal waste may be staged in the parking area across from the truck pit. For trailers containing liquid waste, secondary containment shall be provided by either: (1) the trailer having its own internal secondary containment or (2) portable secondary containment, acceptable to DEP, being provided around each individual trailer. The asphalt parking area and access roadway shall not be utilized as part of this secondary containment requirement for liquid waste (see Drawing 42 (PS), rev. 11/01/2011).

(2) No reactive or ignitable waste shall be staged in this area.

(3) Trailers containing residual or hazardous waste shall be staged for no more than twenty-four hours and shall be staged only to facilitate loading or unloading at the facility. The permittee shall have the flexibility to unload these trailers directly into the sludge vault or the truck pit when said operations are considered to be less hazardous than direct utilization of the authorized loading areas identified in PART II.R.1. However, no sampling of the containers from trailers staged in this area is authorized.

(4) Trailers containing universal waste may be stored in this area for up to ten days and shall be otherwise managed pursuant to the requirements of 25 Pa. Code Chapter 266b and 40 CFR Chapter 273, relating to large quantity handler of universal waste.

e. Empty Container Supply Storage Area

Empty containers can be stored outside along property line near loading dock No. 2 as shown in Drawing 42 (PS), rev. 11/01/2011.

E. COMPATIBILITY OF WASTES WITH CONTAINERS

The Permittee shall assure that the ability of the container to contain the waste is not impaired as required by 40 CFR 264.172.

F. MANAGEMENT OF CONTAINERS

The Permittee shall manage containers as required by 40 CFR 264.173 and 25 Pa. Code 264a.173 and as described in Attachment 5.

G. CONTAINMENT

The Permittee shall construct and/or maintain the containment system as required by 40 CFR 264.175 and the attached plans and specifications, Attachment 5.

H. CONTAINER STACKING HEIGHT, WIDTH, AND DEPTH

The Permittee shall store containers of hazardous and residual waste as required by 40 CFR 264.173 and 25 Pa. Code 264a.173 and the attached plans and specifications, Attachment 5.

I. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

The Permittee shall not locate containers holding ignitable or reactive wastes within 15 meters (50 feet) of the facility's property line as required by 40 CFR 264.176. Outdoor storage of ignitable or reactive wastes shall also comply with the requirements of Pa. Code 264a.173.

J. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1. Placement of Incompatible Wastes. The permittee shall not place incompatible wastes in the same containers; the Permittee shall follow the procedures specified in Attachment 5.

2. Incompatible Wastes in Unwashed Containers. The Permittee shall not place waste in an unwashed container that previously held an incompatible waste or material.

3. Storage of Incompatible Wastes. The Permittee shall store containers of incompatible wastes as indicated in Attachment 5 and as required by 40 CFR 264.177(c).

4. Documentation. The Permittee must document compliance with sections (1) and (2) of this condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (Permit Part II, Condition H.1).

K. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or measuring facilities as required by 25 Pa. Code 264a.180.

L. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying the hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

M. INTERIM MANAGEMENT OF CONTAINERS

The modifications to the (indoor) container storage area are to be constructed after this permit is issued. The existing facility may continue to operate as described in PART III.D.1 until the upgraded storage area has been constructed and certified, at which time the applicable requirements of PART III.D.2 shall apply.

N. CONSTRUCTION/MODIFICATION OF STORAGE AREAS

1. Construction Practices. The Permittee shall use best engineering construction practices during all phases of construction and/or modification of the container storage areas.

2. Quality Control Measures. The Permittee shall use the quality control measures and tests to insure that construction and modification of the container storage areas conform to the design materials and construction specifications approved in this permit as required by 40 CFR 264.19.

3. Professional Engineer Certification. The Permittee shall obtain a written certification from a registered professional engineer for each phase of construction or modification of each container storage area to verify that each construction or modification was conducted in accordance with this permit. Each certification shall be submitted to DEP for approval.

PART IV - STORAGE/TREATMENT IN TANKS

A. WASTE IDENTIFICATION

The facility is permitted to store and/or treat hazardous and residual waste in the following tanks and ancillary equipment:

Tank/Equipment ID	Permitted Capacity	Year of Manufacture for Steel Waste Tanks	Process Description	Material of Construction and Initial/Current/ Minimal Thickness of Steel Tanks+	Orientation and Shape
T-1, T-2, T-4, T-5, T-7, T-9	6,400 gal.		Acid and Neutral Receiving and Storage	Polyethylene	Vertical, Cylindrical
T-3	6,400 gal.		Caustic Storage		
T-6	6,400 gal.				
R-1	6,650 gal.		Waste Treatment	Fiber-reinforced Polyester Resin	Vertical, Cylindrical
R-2	7,000 gal.				
R-3	7,000 gal.				
R-4	7,100 gal.				
R-5*	8,250 gal.				
R-6*	8,250 gal.				
R-7*	8,250 gal.				
R-8	7,000 gal.				
ST-1	8,400 gal.		Treated Waste Holding	Fiber-reinforced Polyester Resin	Vertical, Cylindrical
ST-2	8,400 gal.				
ST-3	8,400 gal.				
S-2	7,200 gal.	Approximately 1978	Oil Storage	Carbon Steel 0.250/0.233/0.125	Vert., Rect.
OT-1	5,000 gal.		Oil Storage	Polyethylene	Vertical, Cylindrical
EST-1	5,000 gal.		Emerg. Stg.	Polyethylene	Vert., Cylind.
ET-1	15,000 gal.	2000	Effluent Holding	Carbon Steel 0.250/0.220/0.125	Horizontal, Cylindrical
ET-2	15,000 gal.	2000		Carbon Steel 0.250/0.224/0.125	
EQ-1	50,000 gal.	1989	Eff. Discharge	Carbon Steel 0.375/0.346/0.1875	Horiz., Rect.
HT-1	21,000 gal.	Approximately 1978	Stormwater	Carbon Steel 0.266/0.239/0.133	Vert., Cylind.
HT-2	21,000 gal.	Approximately 1978	Haz. Eff. Stg.	Carbon Steel 0.250/0.237/0.125	Vert., Cylind.
DPT-1*	2,000 gal.		Drum Process	Polyester Resin	Vert., Cylind.
RGT-1**	1,600 gal.		Precoat Stg.	Carbon Steel	Vert., Cylind.
RGT-2**	1,400 gal.		Carbon Stg.	Carbon Steel	Vert., Cylind.

Tank/Equipment ID	Permitted Capacity	Year of Manufacture for Steel Waste Tanks	Process Description	Material of Construction and Initial/Current/ Minimal Thickness of Steel Tanks+	Orientation and Shape
RGT-3**	270 gal.		Reagent Stg.	Polyethylene	Vert., Cylind.
RGT-4**	500 gal.		Cealwater Stg.	Fiber-reinforced Polyester Resin	Vert., Cylind.
LT-1**	4,000 gal.		Lime Reagent Storage	Carbon Steel	Vert., Cylind.
FP-1	NA		Filtration	Steel Frame, Polypro. Plates	Rectangular
FP-2	NA				
VF-2	1,500 gal.			Steel Drum	Cylindrical
Silver Filter System	(4) 200 gal.			Poly Totes	

Note: *Tanks to be removed.
**Reagent storage tanks, only. Not permitted for hazardous waste storage.
+Minimum thickness for Class 1 ASTs is 50% or original thickness.

1. Storage Tanks:

   Tanks T-1, T-2, T-4, T-5, T-7, T-8, and T-9 may be used to store those wastes from the approved lists in Table III-1 and III-2 that are compatible with acid and neutral receiving and storage.

   Tanks T-3 and T-6 may be used to store those wastes from the approved lists in Table III-1 and III-2 that are compatible with caustic receiving and storage.

2. Reactors Tanks:

   Tanks R-1 through R-4 and R-8 may be used to store and treat those wastes from the approved list in Table III-1 that are compatible with hazardous waste treatment.

   Tanks R-5 through R-7 may be used to store and treat those wastes from the approved list in Table III-2 that are compatible with residual waste treatment.

3. Settling Tanks:

   Tanks ST-1, ST-2, and ST-3 may be used to store and treat those wastes from the approved lists in Table III-1 and III-2 that are compatible with treated waste storage.

4. Oil Storage Tanks:

   Tanks S-2 may be used for the storage of Emulsions and OT-1 may be used for the storage of recovered waste oils pending sampling, analysis, and shipment off-site for reuse or disposal.

5. Emergency Storage Tank:

Tank EST-1 may be used for the emergency storage of spilled waste, overflow waste, or waste accumulated in secondary containment from other areas within the facility, consisting of those wastes from the approved lists in Table III-1 and III-2 that are compatible with said emergency storage usage.

6. Effluent Holding Tanks:

Tanks ET-1 and ET-2 may be used to store and polish compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Waste shall be stored in these tanks pending a determination of completion of treatment through sampling and analysis.

7. Equalization Tank:

Tank EQ-1 may be used to store compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Waste that is stored in this tank shall have been determined to meet the Hatfield Township Municipal Authority discharge requirements.

8. Holding Tanks:

Tanks HT-1 and HT-2 may be used to store compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Effluent waste that is stored in these tanks has been determined not to meet the Hatfield Township Municipal Authority discharge requirements and is being held pending off-site shipment for further treatment or disposal.

Tanks HT-1 and HT-2 may also be used to store facility stormwater pending analysis to determine whether the stormwater meets the Hatfield Township Municipal Authority discharge requirements. Effluent waste shall not be commingled with facility stormwater in these tanks.

9. Drum Processing Tank:

Tank DPT-1 may be used for the storage and treatment of compatible wastes from the approved lists in Table III-1 and III-2 that are derived from the decanting of containers.

10. Plate and Frame Filter Presses:

FP-1- Plate and Frame Filter Press, 320 ft^2 filtration area

FP-2 - Plate and Frame Filter Press, 1,350 ft^2 filtration area

VF-2 - Rotary Drum Vacuum Filter, 1,500 gallons filter vat capacity

Filter units FP-1, FP-2, and VF-2 may be used to remove solids from treated aqueous wastes from the approved lists in Table III-1 and III-2.

B. DURATION OF STORAGE

The Permittee shall not store wastes in tanks at this facility in excess of one year.

C. DESIGN AND CONSTRUCTION OF TANKS

The Permittee shall construct, modify, and maintain all tanks in accordance with the plans and specifications in Attachment 7.

D. PROTECTION FROM OVERFILLING

The Permittee shall prevent overfilling of tanks by the methods specified in Attachment 7. The information about high level alarm for tanks are provided table in Part IV.A and shown in Drawing 28 (WD-PP).

1. Storage tanks T-1, T-2, T-4, T-5, T-7, T-8, and T-9 are equipped with a high-level sensor alarm.

2. Settling tanks ST-1, ST-2, and ST-3 are equipped with a high-level sensor alarm.

3. Effluent holding tanks ET-1 and ET-2 are equipped with a high-level sensor alarm.

4. Reactors tanks R-1, R-2, R-3, R-4, R-5, R-6, R-7, and R-8 are equipped with a high-level sensor alarm.

5. Drum Processing tank DPT-1 is equipped with a high-level sensor alarm.

6. Emergency Storage Tank EST-1 is equipped with a high-level sensor alarm.

7. Emulsion Storage Tank S-2 is equipped with a high-level sensor alarm.

8. Oil Storage Tank OT-1 is equipped with a high-level sensor alarm.

E. SECONDARY CONTAINMENT

The Permittee shall construct and/or maintain the containment structure as required by 40 CFR 264.194(b) and as shown in Drawings 20 (SCS-EX0 and 21 (SCS-PP) and in Attachment 7.

F. EMERGENCY REPAIRS - CONTINGENCY PLAN

1. The Permittee shall inspect the tanks in accordance with the Tank Evaluation and Repair (TER) Plan whenever there is any indication of a possible failure as required by 40 CFR 264.196.

2. Whenever there is evidence of tank failure, the Permittee shall remove the tank from service as required by 40 CFR 264.196 and implement the procedures required by 40 CFR 264.196(a) and specified in the PPC Plan, Attachment 4.

3. Prior to restoring it to service, the Permittee shall repair the tank and obtain a certification from a registered professional engineer that it meets the design specifications approved in this permit, as required 40 CFR 264.196(f).

4. If a tank has been removed from service due to failure and is not being repaired, the permittee shall close it as required by 40 CFR 264.196.

G. EQUIPMENT

1. Equipment Maintenance. The Permittee shall maintain tank operating equipment in operable condition and adequate in size and performance capability to assure that the facility operation will not be interrupted during normal working periods and that the facility operation is in accordance with this permit.

2. Standby Equipment. The Permittee shall maintain standby equipment on-site or readily available for use in the event of a major equipment breakdown.

H. TREATMENT OF WASTES IN TANKS

The Permittee shall conduct all treatment operations in accordance with the procedures in Attachment 8.

I. PROTECTION FROM CORROSION

The Permittee shall protect tanks from accelerated corrosion, erosion, and abrasion as specified in Attachment 7.

J. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

1. Special Requirements. The Permittee shall not place ignitable or reactive waste in a tank unless the procedures described in Attachment 7 are followed.

2. Documentation. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (PART II.H.1).

3. NFPA Requirements. The Permittee shall comply with all applicable requirements for covered tanks listed in the National Fire Protection Association's "Flammable and Combustible Liquids Code, 1981", or latest revised edition.

K. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE

1. Incompatible Waste Precautions. The Permittee shall not place incompatible wastes in the same tank or place hazardous waste in an unwashed tank that previously held an incompatible waste or material unless the procedures specified in Attachment 7 are followed.

2. Documentation. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (PART II.H.1).

L. WASTE ANALYSIS

The Permittee shall conduct waste analyses and trial treatment or storage tests, or shall obtain written, documented information as required 40 CFR 264.194(a) and the Waste Analysis Plan, Attachment 1, before chemically treating or storing a hazardous waste which is substantially different from waste previously treated or stored in a tank or before chemically treating hazardous waste with a substantially different process than previously used in a tank. The analyses, tests, and information shall be placed in the operating record (PART II.H.1).

M. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or volume measuring facilities to accurate record the quantities of waste managed in tanks.

N. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

O. TANK CONSTRUCTION OR INSTALLATION

1. Inspections. The Permittee shall inspect the tank for uniformity, damage, and imperfections during construction or installation.

2. Construction Practices. The Permittee shall use best engineering construction practices during all phases of installation and construction.

3. Quality Control Measures. The Permittee shall use the quality control measures and tests specified in Attachment 7 to insure that installation and construction conform to the design materials and construction specifications approved in this permit.

4. Professional Engineer Certification. The Permittee shall obtain a written certification from a registered professional engineer for each phase of installation or construction as required by 40 CFR 264.192(g) and for certification of proper closure of the unit for tank removals pursuant to 40 CFR 264.197. Each certification shall be submitted to DEP for an approval.

5. Construction Schedule. The Permittee shall construct or install the tanks/tank modifications in accordance with the following schedule:

   a. Tank removal and replacement shall comply with the following:

      (1) The Permittee shall prioritize tank removal and/or replacement based on the condition and serviceability of the existing tanks. PART III.C and PART III.F shall govern any continued service of the existing tanks pending their removal or replacement independent of any schedule that may be proposed under PART III.O.5.

      (2) Permittee shall submit written notice at least six (6) months in advance of the commencement of removal or removal/replacement of each unit.

      (3) In the written notice, the permittee shall verify the design specifications for consistency with this permit, or shall submit a permit modification pursuant to 40 CFR 270.42 and 25 Pa. Code 270a.42 for changes or deviations from the specifications contained in this permit.

      (4) The notice shall contain QA/QC procedures for the construction and/or modification subject to the notification submittal.

      (5) The notice shall contain the construction and/or modification schedule for tank removal or removal/replacement. Tanks to be removed shall be removed within four (4) months of the commencement date provided in the written notification required in PART IV.O.5.a.(2), and tanks to be replaced shall be replaced within six (6) months of the commencement date provided in the written notification required in PART IV.O.5.a.(2).

   b. Engineering certifications required by PART IV.O.4 shall be submitted within 30 days of completion of the removal and/or replacement of each tank.

   c. New or replaced tanks shall not be placed into service until DEP has reviewed and approved the engineering certifications required pursuant to PART IV.O.4 and PART IV.O.5.b.

P. SURFACE WATER MANAGEMENT

1. Design Standards. The Permittee shall manage surface water on the site as required by 40 CFR 264.18(b) and the plans and specifications in Attachment 9.

2. Run-Off. The Permittee shall manage surface water run-off as required by 40 CFR 264.18(b) and the plans and specifications in Attachment 9.

3. Run-On. The Permittee shall control run-on as required by 264.18(b) and the plans and specifications in Attachment 9.

PART V – CONTAINMENT BUILDING (SLUDGE VAULT)

A. WASTE IDENTIFICATION

The Permittee utilizes a "Containment Building", also identified as the "sludge vault" (70' x 90' x 40'H), for temporary storage and treatment of hazardous and residual wastes. Waste piles are created in the enclosed sludge vault when wastes are solidified, co-mingled with compatible wastes, directly dumped from trucks, and treated wastes are discharged from the filter press conveyor belt to the floor as a filter cake. No liquid or incompatible wastes are permitted for storage or treatment in the sludge vault. The containment building housing the sludge vault is designed and constructed with a primary barrier (geomembrane overlain by a concrete wear surface) and a secondary barrier (geomembrane overlain by a leak detection system) as shown in the approved Drawings 24 (CB-1), 25 (CB-2), AND 25 (CB-3). Together, the primary and secondary barriers constitute the "liner" for the sludge vault. Hazardous and nonhazardous (residual) wastes are segregated inside the sludge vault.

The Permittee may store and treat the following solid wastes in waste piles in the containment building, subject to the terms of this permit:

1. Any hazardous waste type listed in Table III-1 of this permit so long as the management of the waste or waste combinations is compatible with the operation of the sludge vault as authorized under this permit. These wastes are listed by U.S. EPA code numbers and source description as referenced in 40 CFR, Subpart D, Sections 261.31, 261.32, and 261.33.

2. The following residual waste types and operations are approved for the sludge vault. Refer to Table III-2 for residual waste types:

   a. The following waste codes may be accepted for treatment and co-mingling in the sludge vault:

      (1) 004, 005, 006, 007

      (2) 301, 302

   b. The following waste codes may be accepted for segregated re-packaging and storage in the sludge vault:

      (1) 308

      (2) 410

      (3) 501, 502, 504, 510

c. The following waste codes may be accepted for segregated consolidation and storage in the sludge vault:

(1) 001, 002, 003, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113

(2) 201, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214

(3) 304, 305, 306, 307, 310, 311, 312, 313, 320, 399

(4) 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 430, 440, 450, 460, 470, 471, 472, 473, 474, 480, 481, 482, 483, 484, 499

(5) 503, 505, 506, 507, 508

(6) 701, 702, 703, 704, 710, 799

(7) 801

(8) 902, 999

B. DURATION OF STORAGE

The Permittee shall not store hazardous waste in the sludge vault at this facility in excess of one year.

C. DESIGN AND OPERATING REQUIREMENTS

1. The Permittee shall operate and maintain the liner in accordance with the requirements of 40 CFR 264.1101, and as specified in the attached plans and specifications, Attachment 10.

2. Pursuant to 40 CFR 264.1101(a)(4), the permittee shall provide a liner system with an effective life equal to or greater than the life of the sludge vault.

3. The Permittee shall maintain a minimum distance of 20 inches between the top of the sub-base and seasonal high groundwater table.

4. The Permittee shall operate and maintain the waste piles in the sludge vault so that, at all times, hazardous and nonhazardous wastes are segregated.

5. The Permittee shall operate and maintain a leak detection system pursuant to 40 CFR 264.1101(c)(4) and in accordance with the plans and specifications in Attachment 10.

6. If liquid leaks into the leak detection system, the Permittee must notify DEP within seven days. The Permittee must remove accumulated liquid, repair or replace the liner which is leaking, and provide certification from a registered professional engineer that the leak is fixed within 15 days of its detection.

7. The Permittee must begin to comply with the leak detection monitoring procedures within three days of detecting liquid in the leak detection system.

8. The Permittee shall remove wastes from the sludge vault once every three months and inspect the sludge vault floor for deterioration, cracks, or other conditions that may result in leaks.

9. The Permittee shall not store liquids or materials containing free liquids in the sludge vault. Further, no wastes shall be placed in the waste piles in the sludge vault if leachate would be generated as a result of decomposition or other reactions.

D. EMERGENCY REPAIRS - CONTINGENCY PLAN

1. The Permittee shall inspect the liner system in accordance with the Waste Pile Evaluation and Repair (WPER) Plan whenever there is any indication of a possible failure.

2. Whenever there is evidence of a failure of the liner system, including evidence of liquid in the leak detection system, deterioration, cracking, or other condition that is or could cause leaking, the Permittee shall remove the sludge vault from service as required by 40 CFR 264.1101(c)(3). The Permittee also shall immediately implement the procedures required by 40 CFR 264.1101(c)(3) and specified in the PPC Plan, Attachment 10.

3. Prior to restoring it to service, the Permittee shall repair the liner system and obtain a certification from a registered professional engineer that it meets the design specifications approved in this permit, as required by 40 CFR 1101(c)(3)(iii).

4. If the sludge vault, or a portion of the sludge vault, has been removed from service due to liner system failure, and it is not to be repaired and restored to service, the Permittee shall close it as required by 40 CFR 264.1102.

E. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

1. The Permittee shall not place ignitable or reactive waste in the sludge vault.

2. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record.

F. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1. The Permittee shall not place incompatible wastes or incompatible wastes and materials in the sludge vault.

2. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record.

3. The Permittee shall not place hazardous wastes on the same waste pile base where incompatible wastes or materials were previously piled.

G. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or measuring facilities to accurately measure the quantities of waste managed in the sludge vault.

H. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

I. GENERAL VAULT OPERATIONS

1. The Permittee shall operate and maintain unloading areas, as specified in Attachment 10. Unloading areas shall permit vehicles to unload promptly.

2. The Permittee shall minimize or eliminate the tracking of waste within or outside the sludge vault, as required by 40 CRF 1101(c)(1)(iii) and specified in Attachment 10.

3. The Permittee shall prevent dust from hampering site operations or from causing health or safety hazards and nuisances, as required by 40 CFR 1101(c)(1)(iv) and specified in Attachment 10.

4. The doors to the sludge vault area are to be kept closed when vehicles are being loaded or unloaded.

5. No mixing of waste may take place in the sludge vault area during times when the dust collector system is inoperable.

6. Each truckload of waste leaving the sludge vault is to be sampled and analyzed, and the analysis results are to be evaluated before waste is shipped from the sludge vault.

7. The maximum waste pile height in the sludge vault may not exceed twelve (12) feet. A visual marking shall be placed at this height along the walls to allow visual confirmation of compliance with the height restriction.

8. The maximum amount of bulk residual solid waste accepted for treatment may not exceed 250 cubic yards per day.

9. The maximum volume of waste that may be stored at any time is 350 cubic yards in each side of the sludge vault.

10. The maximum volume of waste that may be accepted in the sludge vault is 700 cubic yards per day of hazardous waste or 700 cubic yards per day of residual waste. These volumes are part of, and not in addition to, the facility's waste acceptance limitations contained in PART II.R.5.

11. The Permittee is prohibited from utilizing mechanical equipment of any kind to crush, open, or otherwise process waste or waste containers in the sludge vault. All containers of waste to be placed on a waste pile in the sludge vault must be placed manually.

12. Temporary staging of containers on the apron outside of the sludge vault doors is allowed pursuant to the requirements of PART III.D.3.c.

13. Exceptional Quality (EQ) Biosolids may be used as an additive/drying agent for solidification/treatment operations pursuant to Attachment 10 (Volume 4, Section 3.2 of the application) provided that the EQ Biosolids have been generated and are being beneficially utilized in accordance with the terms and conditions of General Permit (PAG-07) and are no longer considered a waste pursuant to PAG-07. The Permittee shall insure that the facility receiving the treated waste is approved to accept biosolids or that receipt of the mixture of the Permittee's waste with biosolids is otherwise acceptable at that facility. Nuisances related to the use of EQ Biosolids, including but not limited to odors and dust emissions, shall be grounds for terminating the use of EQ Biosolids as an additive/drying agent notwithstanding their de-wasting status pursuant to PAG-07.

PART VI – GROUNDWATER MONITORING

A. SAMPLING LOCATION AND WELL CONSTRUCTION

The Permittee shall operate and maintain a surface and groundwater monitoring system consistent with the requirements of 25 Pa. Code 264a.97, 40 CFR 264.97, and 264.98, and as specified below:

1. The Permittee shall operate and maintain groundwater monitoring wells and surface water sampling points at the locations specified on the map presented in Attachment 11.

2. The Permittee shall operate and maintain the monitoring wells identified in PART VI.A.1 in accordance with the plans and specifications presented in Attachment 11.

B. SAMPLING AND ANALYSIS PROCEDURES

The Permittee shall use the following techniques and procedures when obtaining samples and analyzing samples from the sampling locations described in PART VI.A:

1. Samples shall be collected quarterly by the techniques described in Attachment 11.

2. Samples shall be preserved and shipped (when shipped off-site for analysis) in accordance with the procedures specified in Attachment 11.

3. Samples shall be analyzed according to the procedures specified in Attachment 11.

4. Samples shall be tracked and controlled using the chain of custody procedures specified in Attachment 11.

C. MONITORING PARAMETERS

1. The Permittee shall monitor the groundwater to determine if the facility is in compliance with the groundwater protection standards in 25 Pa. Code Chapter 250, Administration of Land Recycling Program. Specifically, the Permittee shall compare all groundwater sampling data to the most stringent value listed in Appendix A, Tables 1 (Medium Specific Concentrations (MSCs) for Organic Regulated Substances in Groundwater) and 2 (MSCs for Inorganic Regulated Substances in Groundwater). The Permittee shall also monitor surface water and compare analytical results to established data trends of past sampling results for any significant deviations. Surface water and groundwater shall be analyzed for the following parameter list:

   Wet Chemistry - pH, Total Dissolved Solids, Total Suspended Solids, Total Organic Carbon, Chloride, Ammonia Nitrogen, Total Phenols.

T/D Metals - Cadmium, Chromium, Copper, Iron, Lead, Nickel, Zinc. Dissolved Metals analysis shall be performed on a quarterly basis. Total metals analysis shall be performed on an annual basis, in conjunction with the Dissolved Analysis.

VOCs - Benzene, Ethylbenzene, Toluene, 1,1-Dichloroethane, Trans 1,2-Dichloroethane, Methylene Chloride, 1,1,1-Trichloroethane, Trichloroethene, Tetrachloroethene, Tertiary Butyl Alcohol, Methyl Tertiary Butyl Ether.

2. The Permittee shall monitor well numbers MW-1D through MW-6D, MW-7S, MW-8S, MW-9, MW-10S, MW-10D, MW-12D, and MW-13D at the point of compliance, as described in PART VI.A, and as designated on the map incorporated in Attachment 11. The Permittee shall monitor surface water sampling points identified as the swale and the stormwater tank as designated on the map incorporated in Attachment 11. When stormwater is not available at the berm area, samples should be collected from the stormwater tank.

3. The compliance period is equal to the term of this permit plus a minimum of a 30 year post-closure period, unless otherwise reduced in writing by DEP.

D. MONITORING PROGRAM AND DATA EVALUATION

1. The Permittee shall sample and analyze groundwater and surface water quality from all monitoring wells and surface water sampling points identified in PART VI.A and PART VI.C on a quarterly basis unless otherwise approved by DEP in writing. Samples shall be collected for analysis on or before March 31, June 30, September 30, and December 31. Analytical results should be submitted to DEP within 15 days of analysis completion but in no case later than 30 days after the end of the sampling quarter as identified above. Exceptions may only be made, subject to DEP's approval, if DEP is contacted within the previously described time limits and provided an acceptable explanation why a delay is required. Telephone contacts shall be followed up in writing.

2. Along with each quarterly submission of monitoring results, the Permittee shall also submit the following:

   a. Sludge vault witness zone gauge readings and analytical data from the sampling of the witness zone.

   b. A narrative report describing anything unusual or noteworthy about the particular sampling and analysis event.

   c. An evaluation of analytical results for each hazardous constituent as required by 25 Pa. Code 264a.97(2)(ii) and 40 CFR 264.97(h). A control chart approach should be used in evaluating groundwater monitoring data.

d. Annual determination of groundwater flow rate and direction in the uppermost aquifer as required by 40 CFR 264.98(e).

E. REPORTING AND RECORDKEEPING AND RESPONSE

1. If it is determined, by either the Permittee or DEP, that operations at the facility have impacted the groundwater or surface water, the Permittee shall submit an assessment plan to the DEP within 30 days after the release is discovered.

2. The Permittee shall enter all monitoring, testing, and analytical data obtained pursuant to PART VI.D in the operating record, as required by 25 Pa. Code 264a.97.

3. The Permittee shall submit a milestone report containing any information indicating that the significant increase in parameter(s) was due to a source other than the facility, as required by 40 CFR 264.98(g)(6).

4. The Permittee shall submit all reports to DEP as required by 25 Pa. Code 264a.97.

F. PERMIT MODIFICATION

If the Permittee determines that the groundwater quality assessment required by this permit no longer satisfies the requirements of the regulations, an application for a permit modification must be submitted to make any appropriate changes to the program which will satisfy the regulations.

James Wentzel, P.E.
Regional Manager
Waste Management Program

12/10/2014
Date Signed

Re 30 (eh14wm)342-p

LIST OF ATTACHMENTS

1. Waste Analysis Plan (Vol. 2-Form HW-13, Vol. 4-Section 4.0)
2. Inspection Schedule (Vol. 4-Section 6.0)
3. Personnel Training (Vol. 4-Section 10.0)
4. PPC Plan (Vol. 4-Section 5.0)
5. Container Management Plan (Vol. 4-Subsections 1.10.3, 1.10.5, 3.1, and 4.3.3.3)
6. Closure/Post-Closure Plan (Vol. 4-Section 12.0)
7. Tank Management Plan (Vol. 4-Subsections 1.10.1, 2.0, and 4.3.3.1)
8. Treatment Procedures (Vol. 4-Subsection 2.3 and 4.3.3.1)
9. Storm Water Management (Vol. 2-Section 8)
10. Sludge Vault Management (Vol. 4-Subsections 1.10.2, 3.2 and 4.3.3.2)
11. Ground Water Quality Assessment (Vol. 4-Section 9.0, Drawing 40 (SDP) & 41(GF))

Note: Where a section is cited as #.0 (example 1.0), the entire section and all subsections are meant to be included in the citing. Where a subsection is cited as #.# or #.#.# (example 1.1 or 5.1.1), then only those particular subsections are meant to be included. If a cited section or subsection, in turn, references other sections or subsections, then those referenced sections and/or subsections are included as part of the original citing. The above citings are only meant to give direction regarding where, in the application, the most direct references may be found and are not meant to be inclusive or exclusive in part or in whole.

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix E

Transporter Permits

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 1A-1158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVENUE
LINDENHURST, NY 11757

CONTACT NAME: VIRGINIA EWEN/JEAN M. DULL
COUNTY: SUFFOLK
TELEPHONE NO: (631)225-3044

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 12/10/2022
EXPIRATION DATE: **09/22/2023**
US EPA ID NUMBER: NYR000134940

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
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
AB Oil Service Ltd	Bohemia , NY	Non-Hazardous Industrial/Commercial	
Advanced Waste and Water Technology	Farmingdale , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
AMERICAN LAMP RECYCLING, LLC	MARLBORO , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BETHLEHEM APPARATUS COMPANY, INC	HELLERTOWN , PA	Hazardous Industrial/Commercial	
Casings, Inc. - Deyo Warehouse	Catskill , NY	Waste Tires	
CHEMTRON CORPORATION	AVON , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant Hazardous Industrial/Commercial Waste Oil	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Asbestos	

*** 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: 2022.12.08 09:08:18 -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. 1A-1158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	VIRGINIA EWEN/JEAN M. DULL	EFFECTIVE DATE:	12/10/2022
COUNTY:	SUFFOLK	EXPIRATION DATE:	**09/22/2023**
TELEPHONE NO:	(631)225-3044	US EPA ID NUMBER:	NYR000134940

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
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Petroleum Contaminated Soil Waste Tires Hazardous Industrial/Commercial Waste Oil	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial	
CLEAN HARBORS PPM, LLC	TWINSBURG , OH	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
CLEAN HARBORS PPM, LLC	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
Clean Water of New York Inc	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Waste Oil	
Clear Flo Technologies Inc	Lindenhurst , NY	Non-Hazardous Industrial/Commercial Grease Trap Waste Sludge from Sewage or Water Supply Treatment Plant	
CONSOLIDATED EDISON-ASTORIA SITE	LONG ISLAND CITY , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil Universal Waste	
CWM CHEMICAL SERVICES LLC	MODEL CITY , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Hazardous Industrial/Commercial Waste Oil	
Dale Transfer Corp	West Babylon , 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. 1A-1158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

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INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

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■ MODIFICATION

CONTACT NAME:	VIRGINIA EWEN/JEAN M. DULL	EFFECTIVE DATE:	12/10/2022
COUNTY:	SUFFOLK	EXPIRATION DATE:	**09/22/2023**
TELEPHONE NO:	(631)225-3044	US EPA ID NUMBER:	NYR000134940

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
EQ DETROIT, INC (US ECOLOGY DETROIT SOUTH)	DETROIT , MI	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
EQ PENNSYLVANIA	YORK , PA	Hazardous Industrial/Commercial	
Franklin County Regional Landfill	Constable , NY	Non-Hazardous Industrial/Commercial	
G & S TECHNOLOGIES	KEARNY , NJ	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
General Environmental Services, Inc.	Wyandanch , NY	Non-Hazardous Industrial/Commercial Waste Oil	
GLOBALCYCLE, INC.	E. TAUNTON , MA	Non-Hazardous Industrial/Commercial	
GRAND CENTRAL SANITARY LANDFILL	PEN ARGYL , PA	Non-Hazardous Industrial/Commercial Asbestos	
Hempstead Resource Recovery Facility	Westbury , NY	Non-Hazardous Industrial/Commercial	Pharm. Waste
Huntington Resource Recovery Facility	East Northport , NY	Non-Hazardous Industrial/Commercial	Pharm. Waste
JG ENVIRONMENTAL	LANCASTER , PA	Non-Hazardous Industrial/Commercial	
LANCASTER OIL COMPANY DBA ENVIRONMENTAL RECOVERY CORP	LANCASTER , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	
MORGAN LANDFILL CO., INC.	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	
NORLITE, LLC	COHOES , NY	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
Posillico Materials	Farmingdale , NY	Petroleum Contaminated Soil	
REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC.	HATFIELD , PA	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Hazardous Industrial/Commercial Waste Oil	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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■ MODIFICATION

CONTACT NAME:	VIRGINIA EWEN/JEAN M. DULL	EFFECTIVE DATE:	12/10/2022
COUNTY:	SUFFOLK	EXPIRATION DATE:	**09/22/2023**
TELEPHONE NO:	(631)225-3044	US EPA ID NUMBER:	NYR000134940

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
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TCI OF ALABAMA	PELL CITY , AL	Hazardous Industrial/Commercial	
TCI of NY LLC	Coeymans , NY	Hazardous Industrial/Commercial	
TRADEBE TREATMENT & RECYCLING NORTHEAST, LLC	MERIDEN , CT	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial Waste Oil	
TRADEBE TREATMENT & RECYCLING OF BRIDGEPORT, LLC	BRIDGEPORT , CT	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
Tully Environmental Inc d/b/a Clearbrook	Deer Park , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil Grease Trap Waste Septage only (residential) Residential Raw Sewage including Portable Toilet Waste Sludge from Sewage or Water Supply Treatment Plant Waste Oil	
US ECOLOGY - TRANSFER STATION	LATHAM , NY	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Hazardous Industrial/Commercial Waste Oil	
VEOLIA ENVIRONMENTAL SERVICE LLC	PORT ARTHUR , TX	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Waste Tires Hazardous Industrial/Commercial Waste Oil	
VEOLIA ES TECHNICAL SOLUTIONS	FLANDERS , NJ	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil	

*** 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. 1A-1158

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PERMIT ISSUED TO:

INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	VIRGINIA EWEN/JEAN M. DULL	EFFECTIVE DATE:	12/10/2022
COUNTY:	SUFFOLK	EXPIRATION DATE:	**09/22/2023**
TELEPHONE NO:	(631)225-3044	US EPA ID NUMBER:	NYR000134940

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
VEOLIA ES TECHNICAL SOLUTIONS	FLANDERS , NJ	Waste Tires Hazardous Industrial/Commercial Waste Oil	
VEXOR TECHNOLOGY, INC	MEDINA , OH	Non-Hazardous Industrial/Commercial Asbestos Petroleum Contaminated Soil Grease Trap Waste Non-Residential Raw Sewage or Sewage-Contaminated Wastes Waste Oil	
WASTE RECOVERY SOLUTIONS	MYERSTOWN , PA	Non-Hazardous Industrial/Commercial Hazardous Industrial/Commercial	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. 1A-1158

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

INNOVATIVE RECYCLING TECHNOLOGIES, INC.
690 N. QUEENS AVENUE
LINDENHURST, NY 11757

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	VIRGINIA EWEN/JEAN M. DULL	EFFECTIVE DATE:	12/10/2022
COUNTY:	SUFFOLK	EXPIRATION DATE:	**09/22/2023**
TELEPHONE NO:	(631)225-3044	US EPA ID NUMBER:	NYR000134940

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)

17 (Seventeen) Permitted Vehicle(s)

ME 2854083
ME 3315231
NY 12610ND
NY 16300PF
NY 16684MN
NY 50066PC
NY 54899ML
NY 55349PC
NY 56429PC
NY 62187PC
NY 71922PC
NY 77920PC
NY 82872PC
NY BR35534
NY BT69183
NY BT98571
NY FTY4912
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 12/09/2021
EXPIRATION DATE: **08/09/2022**
US EPA ID NUMBER: NJR986656130

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
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BAYONNE LOGISTICS CENTER/BAYONNE MILITARY OCEAN TERMINAL	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BETHLEHEM EARTH, LP	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial	
BETHLEHEM LANDFILL	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BREEZY POINT COOP	QUEENS , NY	Non-Hazardous Industrial/Commercial	
BROOK BROTHERS ENTERPRISES/FRATTERELLI BROS	CARSTADT , NJ	Non-Hazardous Industrial/Commercial	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX	COLUMBUS , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** 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: _____ Digitally signed by Richard Clarkson Date: 2021.12.08 08:53:36 -05'00' Date:_____/_____/_____

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. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 12/09/2021
EXPIRATION DATE: **08/09/2022**
US EPA ID NUMBER: NJR986656130

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
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLINTON QUARRY	CLINTON , NJ	Non-Hazardous Industrial/Commercial	
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial	
COPLAY AGGREGATES	WHITEHALL , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
DOREMUS AVE SITE PREP & EARTHWORK	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT BTL	POCONO SUMMIT , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
EARTH EFFICIENT HARMONY (PLANT #1 BELVIDERE RD)	PHILLIPSBURG , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT HARMONY (PLANT #2 FOUL RIFT)	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT MSM LLC	EAST STROUDSBURG , PA	Non-Hazardous Industrial/Commercial	
FAIRLESS LANDFILL (PA DEP 101699)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FREEMANSBURG RESTORATION FACILITY	FREEMANSBURG , PA	Non-Hazardous Industrial/Commercial	
GLOUCESTER COUNTY IMPROVEMENT AUTHORITY	SWEDESBORO , NJ	Non-Hazardous Industrial/Commercial	
GREENVIEW	STROUDSBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GRINNELL RECYCLING INC	SPARTA , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HOFFMAN GRIFFETT MINE RECLAMATION FACILITY	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
IMPACT RECOVERY AND REUSE CENTER	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
KEARNY POINT INDUSTRIAL PARK (KPIP)	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
KEEGAN LANDFILL (HMDC)	KEARNEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MALANKA (MALL) LANDFILL	SECAUCUS , NJ	Non-Hazardous Industrial/Commercial	
MIDDLESEX COUNTY UA - EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	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. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

EFFECTIVE DATE: 12/09/2021
EXPIRATION DATE: **08/09/2022**
US EPA ID NUMBER: NJR986656130

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
MIDDLESEX COUNTY UA - EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Petroleum Contaminated Soil	
MIDDLESEX INDUSTRIAL CENTER	MIDDLESEX , NJ	Non-Hazardous Industrial/Commercial	
MORRIS BLANCHARD REDEVELOPMENT	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
OVERPECK PARK LANDFILL AREA IV	PALISADES PARK , NJ	Non-Hazardous Industrial/Commercial	
P PARK NORTH LLC	PROSPECT PARK , NJ	Non-Hazardous Industrial/Commercial	
PHASE III ENVIRONMENTAL	PALMERTON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL @ PERTH AMBOY	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Richmond Recycling LLC	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
RIVER TERMINAL DEVELOPMENT	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
RODOTA FILL SITE	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SALEM COUNTY IMPROVEMENT AUTHORITY	ALLOWAY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TOGUS URBAN RENEWAL PROJECT	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
TOTAL RECYCLING CORPORATION/FULLERTON SLAG BANK	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial	
VALLEY INDUSTRIAL PROPERTIES	EAST BANGOR , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WESTSIDE TRANSLOAD LLC	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

PERMIT TYPE:

☐ NEW
☐ RENEWAL
■ MODIFICATION

CONTACT NAME:	JORGE CORONEL	EFFECTIVE DATE:	12/09/2021
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**08/09/2022**
TELEPHONE NO:	(201)997-6080	US EPA ID NUMBER:	NJR986656130

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)

33 (Thirty Three) Permitted Vehicle(s)

NJ AP440M
NJ AR438F
NJ AS310U
NJ AS830L
NJ AT249E
NJ AT384Y
NJ AT778U
NJ AT781U
NJ AT782U
NJ AU316D
NJ AU604U
NJ AU605U
NJ AU606U
NJ AU607U
NJ AW462X
NJ AW463F
NJ AW463X
NJ AW544B
NJ AW643W
NJ AW644W
NJ AW645W
NJ AW725N
NJ AW726N
NJ AW727N
NJ AW728N
NJ AX226E
NJ AX227E
NJ AX228E
NJ AX229E
NJ AX384K
NJ AX385K
NJ AX457D
NJ AX932K
End of List

ADDED IN REV 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

❒ NEW
■ RENEWAL
❒ MODIFICATION

EFFECTIVE DATE: 08/10/2022
EXPIRATION DATE: **08/09/2023**
US EPA ID NUMBER: NJR986656130

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
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BAYONNE LOGISTICS CENTER/BAYONNE MILITARY OCEAN TERMINAL	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BETHLEHEM EARTH, LP	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial	
BETHLEHEM LANDFILL	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BREEZY POINT COOP	QUEENS , NY	Non-Hazardous Industrial/Commercial	
BROOK BROTHERS ENTERPRISES/FRATTERELLI BROS	CARSTADT , NJ	Non-Hazardous Industrial/Commercial	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX	COLUMBUS , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

*** 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: 2022.06.07 07:45:56 -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

ADDED IN REV 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

❒ NEW
■ RENEWAL
❒ MODIFICATION

EFFECTIVE DATE: 08/10/2022
EXPIRATION DATE: **08/09/2023**
US EPA ID NUMBER: NJR986656130

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
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CLINTON QUARRY	CLINTON , NJ	Non-Hazardous Industrial/Commercial	
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial	
COPLAY AGGREGATES	WHITEHALL , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
CYCLE CHEM (NJ)	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
DOREMUS AVE SITE PREP & EARTHWORK	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT BTL	POCONO SUMMIT , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
EARTH EFFICIENT HARMONY (PLANT #1 BELVIDERE RD)	PHILLIPSBURG , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT HARMONY (PLANT #2 FOUL RIFT)	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial	
EARTH EFFICIENT MSM LLC	EAST STROUDSBURG , PA	Non-Hazardous Industrial/Commercial	
FAIRLESS LANDFILL (PA DEP 101699)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
FREEMANSBURG RESTORATION FACILITY	FREEMANSBURG , PA	Non-Hazardous Industrial/Commercial	
GLOUCESTER COUNTY IMPROVEMENT AUTHORITY	SWEDESBORO , NJ	Non-Hazardous Industrial/Commercial	
GREENVIEW	STROUDSBURG , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
GRINNELL RECYCLING INC	SPARTA , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
HOFFMAN GRIFFETT MINE RECLAMATION FACILITY	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
IMPACT RECOVERY AND REUSE CENTER	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
KEARNY POINT INDUSTRIAL PARK (KPIP)	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
KEEGAN LANDFILL (HMDC)	KEARNEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
MALANKA (MALL) LANDFILL	SECAUCUS , NJ	Non-Hazardous Industrial/Commercial	
MIDDLESEX COUNTY UA - EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

ADDED IN REV 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

CONTACT NAME: JORGE CORONEL
COUNTY: OUT OF STATE
TELEPHONE NO: (201)997-6080

PERMIT TYPE:

❒ NEW
■ RENEWAL
❒ MODIFICATION

EFFECTIVE DATE: 08/10/2022
EXPIRATION DATE: **08/09/2023**
US EPA ID NUMBER: NJR986656130

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
MIDDLESEX COUNTY UA - EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Petroleum Contaminated Soil	
MIDDLESEX INDUSTRIAL CENTER	MIDDLESEX , NJ	Non-Hazardous Industrial/Commercial	
MORRIS BLANCHARD REDEVELOPMENT	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
OVERPECK PARK LANDFILL AREA IV	PALISADES PARK , NJ	Non-Hazardous Industrial/Commercial	
P PARK NORTH LLC	PROSPECT PARK , NJ	Non-Hazardous Industrial/Commercial	
PHASE III ENVIRONMENTAL	PALMERTON , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
PURE SOIL @ PERTH AMBOY	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial	
PURE SOIL TECHNOLOGIES	JACKSON , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
Richmond Recycling LLC	Staten Island , NY	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
RIVER TERMINAL DEVELOPMENT	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
RODOTA FILL SITE	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SALEM COUNTY IMPROVEMENT AUTHORITY	ALLOWAY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
TOGUS URBAN RENEWAL PROJECT	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
TOTAL RECYCLING CORPORATION/FULLERTON SLAG BANK	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial	
VALLEY INDUSTRIAL PROPERTIES	EAST BANGOR , PA	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
WESTSIDE TRANSLOAD LLC	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	

ADDED IN REV 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-883

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

JC TRANSPORT, INC.
39-43 PORETE AVENUE
NORTH ARLINGTON, NJ 07031

PERMIT TYPE:

❒ NEW
■ RENEWAL
❒ MODIFICATION

CONTACT NAME:	JORGE CORONEL	EFFECTIVE DATE:	08/10/2022
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**08/09/2023**
TELEPHONE NO:	(201)997-6080	US EPA ID NUMBER:	NJR986656130

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)

33 (Thirty Three) Permitted Vehicle(s)

NJ AP440M
NJ AR438F
NJ AS310U
NJ AS830L
NJ AT249E
NJ AT384Y
NJ AT778U
NJ AT781U
NJ AT782U
NJ AU316D
NJ AU604U
NJ AU605U
NJ AU606U
NJ AU607U
NJ AW462X
NJ AW463F
NJ AW463X
NJ AW544B
NJ AW643W
NJ AW644W
NJ AW645W
NJ AW725N
NJ AW726N
NJ AW727N
NJ AW728N
NJ AX226E
NJ AX227E
NJ AX228E
NJ AX229E
NJ AX384K
NJ AX385K
NJ AX457D
NJ AX932K
End of List

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF MATERIALS MANAGEMENT

PART 364
WASTE TRANSPORTER PERMIT NO. NJ-850

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CUENCA CORONEL TRUCKING, INC.
109 WABASH AVENUE
CLIFTON, NJ 07011

CONTACT NAME: MAURO CUENCA
COUNTY: OUT OF STATE
TELEPHONE NO: (973)842-9837

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 04/04/2022
EXPIRATION DATE: **04/03/2023**
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
110 Sand Company Clean Fill Disposal Site	Melville , NY	Non-Hazardous Industrial/Commercial	
380 DEVELOPMENT LLC (Various BUDs)	STATEN ISLAND , NY	Non-Hazardous Industrial/Commercial	
ACV ENVIRO	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial	
All City Recycling LLC	Bronx , NY	Non-Hazardous Industrial/Commercial	
Allocco Recycling Ltd (Kingsland Ave)	Brooklyn , NY	Non-Hazardous Industrial/Commercial	
ATLANTIC COUNTY UTILITIES AUTHORITY	EGG HARBOR , NJ	Non-Hazardous Industrial/Commercial	
BAYONNE LOGISTICS CENTER/BAYONNE MILITARY OCEAN TERMINAL	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
BAYSHORE SOIL MANAGEMENT, LLC	KEASBEY , NJ	Non-Hazardous Industrial/Commercial Petroleum Contaminated Soil	
BELLMAWR WATERFRONT DEVELOPMENT	BELLMAWR , NJ	Non-Hazardous Industrial/Commercial	
BETHLEHEM EARTH, LP	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial	
BTL BARTELL	POCONO SUMMIT , PA	Non-Hazardous Industrial/Commercial	
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX	COLUMBUS , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF CARTERET	CARTERET , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF NEW CASTLE, INC.	NEW CASTLE , DE	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF NORTH JERSEY	KEARNY , NJ	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF PHILADELPHIA	PHILADELPHIA , PA	Non-Hazardous Industrial/Commercial	
CLEAN EARTH OF SOUTHEAST PENNSYLVANIA	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial	
CLINTON QUARRY LLC	UNION TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial	
COMMONWEALTH ENVIRONMENTAL SYSTEMS, LP	HEGINS , PA	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: 2022.02.09 10:40:03 -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. NJ-850

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CUENCA CORONEL TRUCKING, INC.
109 WABASH AVENUE
CLIFTON, NJ 07011

CONTACT NAME: MAURO CUENCA
COUNTY: OUT OF STATE
TELEPHONE NO: (973)842-9837

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 04/04/2022
EXPIRATION DATE: **04/03/2023**
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
CONESTOGA LANDFILL	MORGANTOWN , PA	Non-Hazardous Industrial/Commercial	
COPLAY AGGREGATES	WHITEHALL , PA	Non-Hazardous Industrial/Commercial	
CUMBERLAND COUNTY IMPROVEMENT AUTHORITY	MILLVILLE , NJ	Non-Hazardous Industrial/Commercial	
DOREMUS AVENUE RECYCLING & TRANSFER (DART)	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
DOREMUS AVENUE REDEVELOPMENT PROJECT	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
DUPONT GRASSELLI SITE	LINDEN CITY , NJ	Non-Hazardous Industrial/Commercial	
Evergreen Recycling of Corona (Willets Point Blvd)	Corona , NY	Non-Hazardous Industrial/Commercial	
FAIRLESS LANDFILL (PA DEP 101699)	MORRISVILLE , PA	Non-Hazardous Industrial/Commercial	
Faztec Industries	Staten Island , NY	Non-Hazardous Industrial/Commercial	
Framitz Inc	Oceanside , NY	Non-Hazardous Industrial/Commercial	
FREEMANSBURG RESTORATION FACILITY	FREEMANSBURG , PA	Non-Hazardous Industrial/Commercial	
GERDAU AMERISTEEL PERTH AMBOY MILL/ANACONDA COOPER SITE	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial	
GRAND CENTRAL SANITARY LANDFILL	PEN ARGYL , PA	Non-Hazardous Industrial/Commercial	
GREEN ROCK RECYCLING	CLINTON , NJ	Non-Hazardous Industrial/Commercial	
GREENVIEW	STROUDSBURG , PA	Non-Hazardous Industrial/Commercial	
GRIFFIN PIPE PRODUCTION CO.	FLORENCE , NJ	Non-Hazardous Industrial/Commercial	
GRINNELL RECYCLING INC	SPARTA , NJ	Non-Hazardous Industrial/Commercial	
HAZLETON CREEK PROPERTIES, LLC	HAZLETON , PA	Non-Hazardous Industrial/Commercial	
HENRY HARRIS SLF (ALHERN, INC.)	MULLICA HILL , NJ	Non-Hazardous Industrial/Commercial	
HOFFMAN GRIFFETT MINE RECLAMATION FACILITY	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial	
HUDSON COUNTY LINCOLN PARK WEST LANDFILL	JERSEY CITY , NJ	Non-Hazardous Industrial/Commercial	
Hunters Point Recycling Inc	Long Island City , NY	Non-Hazardous Industrial/Commercial	
IESI BETHLEHEM LANDFILL	BETHLEHEM , PA	Non-Hazardous Industrial/Commercial	
IMPACT RECOVERY AND REUSE CENTER	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
Inwood Material Terminal (IMT-Sheridan)	Inwood , NY	Non-Hazardous Industrial/Commercial	
JERC PARTNERS VII/LLC	EDISON , NJ	Non-Hazardous Industrial/Commercial	
KEARNY POINT INDUSTRIAL PARK (KPIP)	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
KEEGAN LANDFILL (HMDC)	KEARNEY , NJ	Non-Hazardous Industrial/Commercial	
KEYSTONE SANITARY LANDFILL	DUNMORE , PA	Non-Hazardous Industrial/Commercial	
KINGSLAND LANDFILL CLOSURE PROJECT	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
LIBERTY AGGREGATES	JERSEY CITY , NJ	Non-Hazardous Industrial/Commercial	
MALANKA (MALL) LANDFILL	SECAUCUS , NJ	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. NJ-850

Pursuant to Article 27 ,Titles 3 and 15 of the Environmental Conservation Law and 6 NYCRR 364

PERMIT ISSUED TO:

CUENCA CORONEL TRUCKING, INC.
109 WABASH AVENUE
CLIFTON, NJ 07011

CONTACT NAME: MAURO CUENCA
COUNTY: OUT OF STATE
TELEPHONE NO: (973)842-9837

PERMIT TYPE:

☐ NEW
■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 04/04/2022
EXPIRATION DATE: **04/03/2023**
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
MIDDLESEX COUNTY UTILITIES AUTHORITY-EDGEBORO LANDFILL	EAST BRUNSWICK , NJ	Non-Hazardous Industrial/Commercial	
MORRIS BLANCHARD REDEVELOPMENT	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
New York Recycling LLC	Bronx , NY	Non-Hazardous Industrial/Commercial	
NORTH BERGEN RECYCLING	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial	
OVERPECK PARK LANDFILL AREA IV	PALISADES PARK , NJ	Non-Hazardous Industrial/Commercial	
P PARK NORTH LLC	PROSPECT PARK , NJ	Non-Hazardous Industrial/Commercial	
Pebble Lane Associates LLC	Maspeth , NY	Non-Hazardous Industrial/Commercial	
PHASE III ENVIRONMENTAL	PALMERTON , PA	Non-Hazardous Industrial/Commercial	
PHILLIPSBURG COMMERCE PK URBAN RENEWAL ENTITY	PHILLIPSBURG , NJ	Non-Hazardous Industrial/Commercial	
PITT CONSOL SITE	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
PURE SOIL @ PERTH AMBOY	PERTH AMBOY , NJ	Non-Hazardous Industrial/Commercial	
RECYCLING CENTER FOR CLASS B MATERIALS	LYNDHURST , NJ	Non-Hazardous Industrial/Commercial	
RESOURCE MANAGEMENT TECHNOLOGIES	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial	
Richmond Recycling LLC	Staten Island , NY	Non-Hazardous Industrial/Commercial	
RIVER TERMINAL DEVELOPMENT & WAREHOUSING CO.	SOUTH KEARNY , NJ	Non-Hazardous Industrial/Commercial	
ROCKRETE RECYCLING	ELIZABETH , NJ	Non-Hazardous Industrial/Commercial	
ROCKTECH	JERSEY CITY , NJ	Non-Hazardous Industrial/Commercial	
RODOTA FILL SITE	BELVIDERE , NJ	Non-Hazardous Industrial/Commercial	
SEXTON FALLS SAND & GRAVEL	STANHOPE , NJ	Non-Hazardous Industrial/Commercial	
SILVA CONSTRUCTION & DEMOLITION	NEWARK , NJ	Non-Hazardous Industrial/Commercial	
SKYMARK DEVELOPMENT CO.	RIDGEFIELD PARK , NJ	Non-Hazardous Industrial/Commercial	
SOIL SAFE, INC.	LOGAN TOWNSHIP , NJ	Non-Hazardous Industrial/Commercial	
SOIL SAFE-METRO 12	CARTERET , NJ	Non-Hazardous Industrial/Commercial	
STERICYCLE - HATFIELD	HATFIELD , PA	Non-Hazardous Industrial/Commercial	
TAYLORS LANE REMEDIATION PROJECT	CINNAMINSON , NJ	Non-Hazardous Industrial/Commercial	
TETERBORO LANDING	TETERBORO , NJ	Non-Hazardous Industrial/Commercial	
TILCON - KEARNY RECYCLING	KEARNY , NJ	Non-Hazardous Industrial/Commercial	
TILCON NEW YORK, INC.	WHARTON , NJ	Non-Hazardous Industrial/Commercial	
TM Maintenance Inc	Staten Island , NY	Non-Hazardous Industrial/Commercial	
TOGUS URBAN RENEWAL PROJECT	BAYONNE , NJ	Non-Hazardous Industrial/Commercial	
TOTAL RECYCLING CORPORATION/FULLERTON SLAG BANK	ALLENTOWN , PA	Non-Hazardous Industrial/Commercial	
TREMLEY POINT FLY ASH DISPOSAL SITE	LINDEN , NJ	Non-Hazardous Industrial/Commercial	

*** AUTHORIZED WASTE TYPES BY DESTINATION FACILITY LISTING (continued on next page) ***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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109 WABASH AVENUE
CLIFTON, NJ 07011

CONTACT NAME: MAURO CUENCA
COUNTY: OUT OF STATE
TELEPHONE NO: (973)842-9837

PERMIT TYPE:

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■ RENEWAL
☐ MODIFICATION

EFFECTIVE DATE: 04/04/2022
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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
TULLYTOWN RESOURCE RECOVERY FACILITY (PA DEP 101494)	TULLYTOWN , PA	Non-Hazardous Industrial/Commercial	
VALLEY INDUSTRIAL PROPERTIES	EAST BANGOR , PA	Non-Hazardous Industrial/Commercial	
WESTSIDE TRANSLOAD LLC	NORTH BERGEN , NJ	Non-Hazardous Industrial/Commercial	
WMNY Varick 1 Transfer Station	Brooklyn , NY	Non-Hazardous Industrial/Commercial	
WP MARIANI DRIVE/LITTLE FERRY SITE	LITTLE FERRY , NJ	Non-Hazardous Industrial/Commercial	
YANNUZZI & SONS	HILLSBOROUGH , NJ	Non-Hazardous Industrial/Commercial	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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CUENCA CORONEL TRUCKING, INC.
109 WABASH AVENUE
CLIFTON, NJ 07011

PERMIT TYPE:

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■ RENEWAL
☐ MODIFICATION

CONTACT NAME:	MAURO CUENCA	EFFECTIVE DATE:	04/04/2022
COUNTY:	OUT OF STATE	EXPIRATION DATE:	**04/03/2023**
TELEPHONE NO:	(973)842-9837	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)

53 (Fifty Three) Permitted Vehicle(s)

NJ AS208J
NJ AS211A
NJ AS213L
NJ AS340P
NJ AS382K
NJ AS465Z
NJ AS467U
NJ AS469U
NJ AS550R
NJ AS551R
NJ AS597J
NJ AS715J
NJ AS716J
NJ AS725D
NJ AS752X
NJ AS753X
NJ AS963Y
NJ AS998D
NJ AS999D
NJ AT104E
NJ AT106E
NJ AT187F
NJ AT257J
NJ AT279E
NJ AT280E
NJ AT324N
NJ AT383N
NJ AT398F
NJ AT399F
NJ AT472R
NJ AT473R
NJ AT686H
NJ AT915D
NJ AU111V
NJ AU489M
NJ AU623C
NJ AU664P
NJ AU665P
NJ AU758A
NJ AU759A
NJ AU760A
NJ AU808U
NJ AU809U
NJ AU883L
NJ AU925U
NJ AU926U
NJ AU927U
NJ AW354N
NJ AW357N
NJ AW400R
NJ AW539W
NJ AW540W
NJ AW541W
End of List

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix F

Contractor's Tank Affidavit

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

March 8th, 2023

Mr. Kenneth Liu
NYSDEC Region 2
47-40 21st Street
Long Island City, NY 11101

Re: Contractor's Affidavit for Tank Removal project at 1240 Viele Ave., Bronx, NY.
Facility Petroleum Bulk Storage Program PBS #2-613421 Tanks #001, #002, #003, #004, #005, #006.

Dear Mr. Liu,

This letter certifies that six underground storage tanks #001, #002, #003, #004, #005, #006, at the above referenced premises have been removed in accordance with NYSDEC PBS regulation closure requirements, 6 NYCRR Part 613-4.5(b). This work was completed and performed as follows:

1) The contents of the tank were completely removed.
2) The tanks were thoroughly cleaned and purged of combustible vapors.
3) All pipes and fill boxes were removed, plugged, or capped as necessary.
4) The tank was removed and properly disposed of at a permitted facility.
5) The work was inspected and completed by Innovative Recycling Technologies, Inc. and completed on December 20, 2022.

If you have any questions, please feel free to contact me at 631.225.3044.

Sincerely,

Jack Ewen
Senior Project Manager
Innovative Recycling Technologies, Inc.

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix G

Endpoint Sample Analysis

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 2121542

First Set Endpoint Samples

January 03, 2023

Innovative Recycling Technologies
John Dull
690 North Queens Avenue
Lindenhurst, NY 11757

Re: Skanska HPWWTP

Dear John Dull,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on December 15, 2022. Long Island Analytical laboratories analyzed the samples on January 03, 2023 for the following:

SAMPLE ID	ANALYSIS
N	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
N Slab	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
1	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
4	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
W	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
2	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
5	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
E	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
3	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
6	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
S Slab	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
S	CP-51 Table 3 Semi-Volatiles, CP-51 Table 3 Volatiles, EPA 8081 B, EPA 8082 A, EPA 8260 D, EPA 8270 E, TAL Target Analyte List
Drums 1-3	EPA 608.3, RIC, TCLP (8) Metals, TCLP Pesticides, TCLP Volatiles

Excav	Bayshore Protocol

Samples received at 2.1 ° C

1.C Holding time exceeded, analyze immediate parameter.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.67	<5.67	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.67	<5.67	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.67	<5.67	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.67	<5.67	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.67	<5.67	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.67	<5.67	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.67	<5.67	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.67	<5.67	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.67	<5.67	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.67	<5.67	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.67	<5.67	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.67	<5.67	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.67	<5.67	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.67	<5.67	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.67	<5.67	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.67	<5.67	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.67	<5.67	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.67	<5.67	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.67	<5.67	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.67	<5.67	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.67	<5.67	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.67	<5.67	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.67	<5.67	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.67	<5.67	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.67	<5.67	ug/kg dry	2.B
1,4-Dioxane	123-91-1	28.4	<28.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.67	<5.67	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.67	<5.67	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.67	<5.67	ug/kg dry	
4-Chlorotoluene	106-43-4	5.67	<5.67	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.67	<5.67	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.67	<5.67	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.67	<5.67	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.3	<11.3	ug/kg dry	
Acetone	67-64-1	22.7	<22.7	ug/kg dry	4.S
Acrolein	107-02-8	11.3	<11.3	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.3	<11.3	ug/kg dry	
Benzene	71-43-2	5.67	<5.67	ug/kg dry	
Benzene	71-43-2	5.67	<5.67	ug/kg dry	
Bromobenzene	108-86-1	5.67	<5.67	ug/kg dry	
Bromochloromethane	74-97-5	5.67	<5.67	ug/kg dry	
Bromodichloromethane	75-27-4	5.67	<5.67	ug/kg dry	
Bromoform	75-25-2	5.67	<5.67	ug/kg dry	
Bromomethane	74-83-9	5.67	<5.67	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.67	<5.67	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.67	<5.67	ug/kg dry	4.N, 4.J
Chlorobenzene	108-90-7	5.67	<5.67	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.67	<5.67	ug/kg dry	2.B
Chloroethane	75-00-3	5.67	<5.67	ug/kg dry	
Chloroform	67-66-3	5.67	<5.67	ug/kg dry	
Chloromethane	74-87-3	5.67	<5.67	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.67	<5.67	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.3	<11.3	ug/kg dry	
Dibromochloromethane	124-48-1	5.67	<5.67	ug/kg dry	
Dibromomethane	74-95-3	5.67	<5.67	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.67	<5.67	ug/kg dry	
Ethylbenzene	100-41-4	5.67	<5.67	ug/kg dry	
Ethylbenzene	100-41-4	5.67	<5.67	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.67	<5.67	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.67	<5.67	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.67	<5.67	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.3	<11.3	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.3	<11.3	ug/kg dry	
Methyl Acetate	79-20-9	5.67	<5.67	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.3	<11.3	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.3	<11.3	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.67	<5.67	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.67	<5.67	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.67	<5.67	ug/kg dry	
Naphthalene	91-20-3	11.3	<11.3	ug/kg dry	
Naphthalene	91-20-3	11.3	<11.3	ug/kg dry	
n-Butylbenzene	104-51-8	5.67	<5.67	ug/kg dry	
n-Butylbenzene	104-51-8	5.67	<5.67	ug/kg dry	
n-Propylbenzene	103-65-1	5.67	<5.67	ug/kg dry	
n-Propylbenzene	103-65-1	5.67	<5.67	ug/kg dry	
o-Xylene	95-47-6	5.67	<5.67	ug/kg dry	
o-Xylene	95-47-6	5.67	<5.67	ug/kg dry	
sec-Butylbenzene	135-98-8	5.67	<5.67	ug/kg dry	
sec-Butylbenzene	135-98-8	5.67	<5.67	ug/kg dry	
Styrene	100-42-5	5.67	<5.67	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.3	<11.3	ug/kg dry	
tert-Butylbenzene	98-06-6	5.67	<5.67	ug/kg dry	
tert-Butylbenzene	98-06-6	5.67	<5.67	ug/kg dry	
Tetrachloroethene	127-18-4	5.67	<5.67	ug/kg dry	
Toluene	108-88-3	5.67	<5.67	ug/kg dry	
Toluene	108-88-3	5.67	<5.67	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.67	<5.67	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.67	<5.67	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.67	<5.67	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.67	<5.67	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.67	<5.67	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.67	<5.67	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
4-Bromofluorobenzene	460-00-4	106	76.1-131	
4-Bromofluorobenzene	460-00-4	106	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	114	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	114	50-200	
1,4-Difluorobenzene	540-36-3	112	50-200	
1,4-Difluorobenzene	540-36-3	112	50-200	
Chlorobenzene-d5	3114-55-4	111	50-200	
Chlorobenzene-d5	3114-55-4	111	50-200	
Pentafluorobenzene	363-72-4	114	50-200	
Pentafluorobenzene	363-72-4	114	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	181	<181	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	181	<181	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	181	<181	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	181	<181	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	242	<242	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	242	<242	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	242	<242	ug/kg dry	
2,4-Dichlorophenol	120-83-2	181	<181	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	181	<181	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	363	<363	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	242	<242	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	242	<242	ug/kg dry	
2-Chloronaphthalene	91-58-7	181	<181	ug/kg dry	4.N
2-Chlorophenol	95-57-8	181	<181	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	181	<181	ug/kg dry	4.N
2-Methylphenol	95-48-7	363	<363	ug/kg dry	4.N
2-Nitroaniline	88-74-4	363	<363	ug/kg dry	
2-Nitrophenol	88-75-5	363	<363	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	363	<363	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	181	<181	ug/kg dry	4.N
3-Nitroaniline	99-09-2	242	<242	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	363	<363	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	242	<242	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	242	<242	ug/kg dry	4.K
4-Chloroaniline	106-47-8	181	<181	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	242	<242	ug/kg dry	
4-Nitroaniline	100-01-6	363	<363	ug/kg dry	
4-Nitrophenol	100-02-7	363	<363	ug/kg dry	4.K
Acenaphthene	83-32-9	181	<181	ug/kg dry	
Acenaphthene	83-32-9	242	<242	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Aniline	62-53-3	242	<242	ug/kg dry	4.N
Anthracene	120-12-7	181	<181	ug/kg dry	
Anthracene	120-12-7	242	<242	ug/kg dry	
Benzidine	92-87-5	846	<846	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	181	<181	ug/kg dry	
Benzo(a)anthracene	56-55-3	181	<181	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	<181	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	<181	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	363	<363	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	363	<363	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	181	<181	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	181	<181	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	181	<181	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	181	<181	ug/kg dry	
Benzoic Acid	65-85-0	484	<484	ug/kg dry	4.N
Benzyl alcohol	100-51-6	484	<484	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	181	<181	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	181	<181	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	363	<363	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	363	<363	ug/kg dry	4.K
Carbazole	86-74-8	181	<181	ug/kg dry	
Chrysene	218-01-9	181	<181	ug/kg dry	
Chrysene	218-01-9	242	<242	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	<181	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	<181	ug/kg dry	
Dibenzofuran	132-64-9	242	<242	ug/kg dry	
Diethyl phthalate	84-66-2	242	<242	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	242	<242	ug/kg dry	
Di-n-butyl phthalate	84-74-2	363	<363	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	363	<363	ug/kg dry	4.K
Fluoranthene	206-44-0	181	<181	ug/kg dry	
Fluoranthene	206-44-0	242	<242	ug/kg dry	
Fluorene	86-73-7	181	561	ug/kg dry	
Fluorene	86-73-7	242	561	ug/kg dry	
Hexachlorobenzene	118-74-1	242	<242	ug/kg dry	
Hexachlorobutadiene	87-68-3	242	<242	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	363	<363	ug/kg dry	4.N
Hexachloroethane	67-72-1	181	<181	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	4.K
Isophorone	78-59-1	363	<363	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	242	<242	ug/kg dry	4.N
n-Decane	124-18-5	181	<181	ug/kg dry	
Nitrobenzene	98-95-3	242	<242	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	181	<181	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	181	<181	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	181	<181	ug/kg dry	
n-Octadecane	593-45-3	181	<181	ug/kg dry	
Parathion (ethyl)	56-38-2	363	2900	ug/kg dry	4.K
Pentachlorophenol	87-86-5	363	<363	ug/kg dry	
Phenanthrene	85-01-8	181	<181	ug/kg dry	
Phenanthrene	85-01-8	242	<242	ug/kg dry	
Phenol	108-95-2	181	<181	ug/kg dry	4.N
Pyrene	129-00-0	181	962	ug/kg dry	
Pyrene	129-00-0	242	962	ug/kg dry	
Pyridine	110-86-1	242	<242	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	78	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	53	28.1-113	
Nitrobenzene-d5	4165-60-0	65	30.3-117	
Nitrobenzene-d5	4165-60-0	65	30.3-117	
Phenol-d6	13127-88-3	54	26.7-119	
Terphenyl-d14	1718-51-0	0.5	31.4-136	4.D
Terphenyl-d14	1718-51-0	0.5	31.4-136	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	172	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	172	50-200	
Acenaphthene-d10	15067-26-2	148	50-200	
Acenaphthene-d10	15067-26-2	148	50-200	
Chrysene-d12	1719-03-5	168	50-200	
Chrysene-d12	1719-03-5	168	50-200	
Naphthalene-d8	1146-65-2	150	50-200	
Naphthalene-d8	1146-65-2	150	50-200	
Perylene-d12	1520-96-3	151	50-200	
Perylene-d12	1520-96-3	151	50-200	
Phenanthrene-d10	1517-22-2	152	50-200	
Phenanthrene-d10	1517-22-2	152	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01 % Solid:82.697
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.42	<2.42	ug/kg dry	
4,4'-DDE	72-55-9	2.42	<2.42	ug/kg dry	
4,4'-DDT	50-29-3	2.42	<2.42	ug/kg dry	
Aldrin	309-00-2	2.42	<2.42	ug/kg dry	
alpha-BHC	319-84-6	6.05	<6.05	ug/kg dry	
beta-BHC	319-85-7	6.05	<6.05	ug/kg dry	
cis-Chlordane	5103-71-9	6.05	<6.05	ug/kg dry	
delta-BHC	319-86-8	6.05	<6.05	ug/kg dry	
Dieldrin	60-57-1	2.42	<2.42	ug/kg dry	
Endosulfan I	959-98-8	6.05	<6.05	ug/kg dry	
Endosulfan II	33213-65-9	6.05	<6.05	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.05	<6.05	ug/kg dry	
Endrin	72-20-8	6.05	<6.05	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.05	<6.05	ug/kg dry	
Endrin Ketone	53494-70-5	6.05	<6.05	ug/kg dry	
gamma-BHC	58-89-9	6.05	<6.05	ug/kg dry	
Heptachlor	76-44-8	6.05	<6.05	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.05	<6.05	ug/kg dry	
Methoxychlor	72-43-5	6.05	<6.05	ug/kg dry	
Mirex	2385-85-5	6.05	<6.05	ug/kg dry	
Toxaphene	8001-35-2	121	<121	ug/kg dry	
trans-Chlordane	5103-74-2	6.05	<6.05	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	110	52.6-153	
Tetrachloro-m-xylene	877-09-8	94	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	89	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01	% Solid:82.697
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.5	<60.5	ug/kg dry	
Aroclor-1221	11104-28-2	60.5	<60.5	ug/kg dry	
Aroclor-1232	11141-16-5	60.5	<60.5	ug/kg dry	
Aroclor-1242	53469-21-9	60.5	<60.5	ug/kg dry	
Aroclor-1248	12672-29-6	60.5	<60.5	ug/kg dry	
Aroclor-1254	11097-69-1	60.5	<60.5	ug/kg dry	
Aroclor-1260	11096-82-5	60.5	<60.5	ug/kg dry	
Aroclor-1262	37324-23-5	60.5	<60.5	ug/kg dry	
Aroclor-1268	11100-14-4	60.5	<60.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	99	47.4-148	
Tetrachloro-m-xylene	877-09-8	105	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	135	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:45	Sample ID: N	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-01	% Solid:82.697
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	208	<208	mg/kg dry	4.F
Antimony	12/28/2022	EPA 6010 D	1.74	<1.74	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.74	<1.74	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.74	107	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.70	<0.70	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.74	<1.74	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	417	<417	mg/kg dry	4.G
Chromium	12/28/2022	EPA 6010 D	1.74	23.5	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.74	8.35	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.74	48.3	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	208	235	mg/kg dry	4.F, C
Lead	12/28/2022	EPA 6010 D	1.74	28.0	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	208	<208	mg/kg dry	3.E, 4.G, 4.J
Manganese	12/28/2022	EPA 6010 D	1.74	248	mg/kg dry	4.F
Nickel	12/28/2022	EPA 6010 D	1.74	14.8	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	208	<208	mg/kg dry	3.E, 4.F, 4.S
Selenium	12/28/2022	EPA 6010 D	3.47	<3.47	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.43	<0.43	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	41.7	493	mg/kg dry	4.G, 4.S
Thallium	12/28/2022	EPA 6010 D	1.74	<1.74	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.74	36.4	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.74	102	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.601	<0.601	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.009	0.02	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.16	<1.16	mg/kg dry	3.C

Date Prepared: 12/28/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.47	<5.47	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.47	<5.47	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.47	<5.47	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.47	<5.47	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.47	<5.47	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.47	<5.47	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.47	<5.47	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.47	<5.47	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.47	<5.47	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.47	<5.47	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.47	<5.47	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.47	<5.47	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.47	<5.47	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.47	<5.47	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.47	<5.47	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.47	<5.47	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.47	<5.47	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.47	<5.47	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.47	<5.47	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.47	<5.47	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.47	<5.47	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.47	<5.47	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.47	<5.47	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.47	<5.47	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.47	<5.47	ug/kg dry	2.B
1,4-Dioxane	123-91-1	27.4	<27.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.47	<5.47	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.47	<5.47	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.47	<5.47	ug/kg dry	
4-Chlorotoluene	106-43-4	5.47	<5.47	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.47	<5.47	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.47	<5.47	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.47	<5.47	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.9	<10.9	ug/kg dry	
Acetone	67-64-1	21.9	<21.9	ug/kg dry	4.S
Acrolein	107-02-8	10.9	<10.9	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	
Bromobenzene	108-86-1	5.47	<5.47	ug/kg dry	
Bromochloromethane	74-97-5	5.47	<5.47	ug/kg dry	
Bromodichloromethane	75-27-4	5.47	<5.47	ug/kg dry	
Bromoform	75-25-2	5.47	<5.47	ug/kg dry	
Bromomethane	74-83-9	5.47	<5.47	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.47	<5.47	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.47	<5.47	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.47	<5.47	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.47	<5.47	ug/kg dry	2.B
Chloroethane	75-00-3	5.47	<5.47	ug/kg dry	
Chloroform	67-66-3	5.47	<5.47	ug/kg dry	
Chloromethane	74-87-3	5.47	<5.47	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.47	<5.47	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.9	<10.9	ug/kg dry	
Dibromochloromethane	124-48-1	5.47	<5.47	ug/kg dry	
Dibromomethane	74-95-3	5.47	<5.47	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.47	<5.47	ug/kg dry	
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.47	<5.47	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.47	<5.47	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.47	<5.47	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Methyl Acetate	79-20-9	5.47	<5.47	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.9	<10.9	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.47	<5.47	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.47	<5.47	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.47	<5.47	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
n-Butylbenzene	104-51-8	5.47	<5.47	ug/kg dry	
n-Butylbenzene	104-51-8	5.47	<5.47	ug/kg dry	
n-Propylbenzene	103-65-1	5.47	<5.47	ug/kg dry	
n-Propylbenzene	103-65-1	5.47	<5.47	ug/kg dry	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	
Styrene	100-42-5	5.47	<5.47	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.9	<10.9	ug/kg dry	
tert-Butylbenzene	98-06-6	5.47	<5.47	ug/kg dry	
tert-Butylbenzene	98-06-6	5.47	<5.47	ug/kg dry	
Tetrachloroethene	127-18-4	5.47	<5.47	ug/kg dry	
Toluene	108-88-3	5.47	<5.47	ug/kg dry	
Toluene	108-88-3	5.47	<5.47	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.47	<5.47	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.47	<5.47	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.47	<5.47	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.47	<5.47	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.47	<5.47	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.47	<5.47	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
Dibromofluoromethane	1868-53-7	93	77.6-135	
Dibromofluoromethane	1868-53-7	93	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	106	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	106	50-200	
1,4-Difluorobenzene	540-36-3	113	50-200	
1,4-Difluorobenzene	540-36-3	113	50-200	
Chlorobenzene-d5	3114-55-4	112	50-200	
Chlorobenzene-d5	3114-55-4	112	50-200	
Pentafluorobenzene	363-72-4	115	50-200	
Pentafluorobenzene	363-72-4	115	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	182	<182	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	182	<182	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	182	<182	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	182	<182	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	243	<243	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	243	<243	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	243	<243	ug/kg dry	
2,4-Dichlorophenol	120-83-2	182	<182	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	182	<182	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	364	<364	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	243	<243	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	243	<243	ug/kg dry	
2-Chloronaphthalene	91-58-7	182	<182	ug/kg dry	4.N
2-Chlorophenol	95-57-8	182	<182	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	182	<182	ug/kg dry	4.N
2-Methylphenol	95-48-7	364	<364	ug/kg dry	4.N
2-Nitroaniline	88-74-4	364	<364	ug/kg dry	
2-Nitrophenol	88-75-5	364	<364	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	364	<364	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	182	<182	ug/kg dry	4.N
3-Nitroaniline	99-09-2	243	<243	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	364	<364	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	243	<243	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	243	<243	ug/kg dry	4.K
4-Chloroaniline	106-47-8	182	<182	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	243	<243	ug/kg dry	
4-Nitroaniline	100-01-6	364	<364	ug/kg dry	
4-Nitrophenol	100-02-7	364	<364	ug/kg dry	4.K
Acenaphthene	83-32-9	182	<182	ug/kg dry	
Acenaphthene	83-32-9	243	<243	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	182	185	ug/kg dry	
Acenaphthylene	208-96-8	182	185	ug/kg dry	
Aniline	62-53-3	243	<243	ug/kg dry	4.N
Anthracene	120-12-7	182	297	ug/kg dry	
Anthracene	120-12-7	243	297	ug/kg dry	
Benzidine	92-87-5	849	<849	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	182	729	ug/kg dry	
Benzo(a)anthracene	56-55-3	182	729	ug/kg dry	
Benzo(a)pyrene	50-32-8	182	238	ug/kg dry	
Benzo(a)pyrene	50-32-8	182	238	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	364	870	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	364	870	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	182	704	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	182	704	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	182	493	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	182	493	ug/kg dry	
Benzoic Acid	65-85-0	485	<485	ug/kg dry	4.N
Benzyl alcohol	100-51-6	485	<485	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	182	<182	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	182	<182	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	364	<364	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	364	<364	ug/kg dry	4.K
Carbazole	86-74-8	182	<182	ug/kg dry	
Chrysene	218-01-9	182	877	ug/kg dry	
Chrysene	218-01-9	243	877	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	182	<182	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	182	<182	ug/kg dry	
Dibenzofuran	132-64-9	243	<243	ug/kg dry	
Diethyl phthalate	84-66-2	243	<243	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	243	<243	ug/kg dry	
Di-n-butyl phthalate	84-74-2	364	<364	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	364	<364	ug/kg dry	4.K
Fluoranthene	206-44-0	182	1040	ug/kg dry	
Fluoranthene	206-44-0	243	1040	ug/kg dry	
Fluorene	86-73-7	182	<182	ug/kg dry	
Fluorene	86-73-7	243	<243	ug/kg dry	
Hexachlorobenzene	118-74-1	243	<243	ug/kg dry	
Hexachlorobutadiene	87-68-3	243	<243	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	364	<364	ug/kg dry	4.N
Hexachloroethane	67-72-1	182	<182	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	182	590	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	182	590	ug/kg dry	4.K
Isophorone	78-59-1	364	<364	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	243	<243	ug/kg dry	4.N
n-Decane	124-18-5	182	<182	ug/kg dry	
Nitrobenzene	98-95-3	243	<243	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	182	<182	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	182	<182	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	182	<182	ug/kg dry	
n-Octadecane	593-45-3	182	<182	ug/kg dry	
Parathion (ethyl)	56-38-2	364	<364	ug/kg dry	4.K
Pentachlorophenol	87-86-5	364	<364	ug/kg dry	
Phenanthrene	85-01-8	182	458	ug/kg dry	
Phenanthrene	85-01-8	243	458	ug/kg dry	
Phenol	108-95-2	182	<182	ug/kg dry	4.N
Pyrene	129-00-0	182	1350	ug/kg dry	
Pyrene	129-00-0	243	1350	ug/kg dry	
Pyridine	110-86-1	243	<243	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02 % Solid:82.454
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	62	28.3-111	
2-Fluorobiphenyl	321-60-8	66	30.1-118	
2-Fluorobiphenyl	321-60-8	66	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	77	30.3-117	
Nitrobenzene-d5	4165-60-0	77	30.3-117	
Phenol-d6	13127-88-3	64	26.7-119	
Terphenyl-d14	1718-51-0	74	31.4-136	
Terphenyl-d14	1718-51-0	74	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	184	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	184	50-200	
Acenaphthene-d10	15067-26-2	178	50-200	
Acenaphthene-d10	15067-26-2	178	50-200	
Chrysene-d12	1719-03-5	169	50-200	
Chrysene-d12	1719-03-5	169	50-200	
Naphthalene-d8	1146-65-2	192	50-200	
Naphthalene-d8	1146-65-2	192	50-200	
Perylene-d12	1520-96-3	162	50-200	
Perylene-d12	1520-96-3	162	50-200	
Phenanthrene-d10	1517-22-2	168	50-200	
Phenanthrene-d10	1517-22-2	168	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02	% Solid:82.454
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.43	<2.43	ug/kg dry	
4,4'-DDE	72-55-9	2.43	<2.43	ug/kg dry	
4,4'-DDT	50-29-3	2.43	<2.43	ug/kg dry	
Aldrin	309-00-2	2.43	<2.43	ug/kg dry	
alpha-BHC	319-84-6	6.06	<6.06	ug/kg dry	
beta-BHC	319-85-7	6.06	<6.06	ug/kg dry	
cis-Chlordane	5103-71-9	6.06	<6.06	ug/kg dry	
delta-BHC	319-86-8	6.06	<6.06	ug/kg dry	
Dieldrin	60-57-1	2.43	<2.43	ug/kg dry	
Endosulfan I	959-98-8	6.06	<6.06	ug/kg dry	
Endosulfan II	33213-65-9	6.06	<6.06	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.06	<6.06	ug/kg dry	
Endrin	72-20-8	6.06	<6.06	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.06	<6.06	ug/kg dry	
Endrin Ketone	53494-70-5	6.06	<6.06	ug/kg dry	
gamma-BHC	58-89-9	6.06	<6.06	ug/kg dry	
Heptachlor	76-44-8	6.06	<6.06	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.06	<6.06	ug/kg dry	
Methoxychlor	72-43-5	6.06	<6.06	ug/kg dry	
Mirex	2385-85-5	6.06	<6.06	ug/kg dry	
Toxaphene	8001-35-2	121	<121	ug/kg dry	
trans-Chlordane	5103-74-2	6.06	<6.06	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	107	52.6-153	
Tetrachloro-m-xylene	877-09-8	93	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	95	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02	% Solid:82.454
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.6	<60.6	ug/kg dry	
Aroclor-1221	11104-28-2	60.6	<60.6	ug/kg dry	
Aroclor-1232	11141-16-5	60.6	<60.6	ug/kg dry	
Aroclor-1242	53469-21-9	60.6	<60.6	ug/kg dry	
Aroclor-1248	12672-29-6	60.6	<60.6	ug/kg dry	
Aroclor-1254	11097-69-1	60.6	<60.6	ug/kg dry	
Aroclor-1260	11096-82-5	60.6	<60.6	ug/kg dry	
Aroclor-1262	37324-23-5	60.6	<60.6	ug/kg dry	
Aroclor-1268	11100-14-4	60.6	<60.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	98	47.4-148	
Tetrachloro-m-xylene	877-09-8	99	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	120	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:50	Sample ID: N Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-02	% Solid:82.454
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	235	11600	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.96	<1.96	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.96	<1.96	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.96	234	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.79	<0.79	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.96	<1.96	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	46.9	5450	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.96	31.4	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.96	10.1	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.96	36.6	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	235	19800	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.96	31.9	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	23.5	5400	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.96	241	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.96	18.6	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	235	5180	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.91	<3.91	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.49	<0.49	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	46.9	889	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.96	3.00	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.96	40.6	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.96	121	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.603	<0.603	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.009	0.04	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.21	<1.21	mg/kg dry	3.C

Date Prepared: 12/28/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	250	<250	ug/kg dry	3.C
1,1,1-Trichloroethane	71-55-6	250	<250	ug/kg dry	3.C, 4.J
1,1,2,2-Tetrachloroethane	79-34-5	250	<250	ug/kg dry	3.C
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	250	<250	ug/kg dry	3.C
1,1,2-Trichloroethane	79-00-5	250	<250	ug/kg dry	3.C
1,1-Dichloroethane	75-34-3	250	<250	ug/kg dry	3.C
1,1-Dichloroethene	75-35-4	250	<250	ug/kg dry	3.C
1,1-Dichloropropene	563-58-6	250	<250	ug/kg dry	3.C
1,2,3-Trichlorobenzene	87-61-6	250	<250	ug/kg dry	3.C
1,2,3-Trichloropropane	96-18-4	250	<250	ug/kg dry	3.C
1,2,4,5-Tetramethylbenzene	95-93-2	250	<250	ug/kg dry	2.B, 3.C
1,2,4-Trichlorobenzene	120-82-1	250	<250	ug/kg dry	3.C
1,2,4-Trimethylbenzene	95-63-6	250	<250	ug/kg dry	3.C
1,2,4-Trimethylbenzene	95-63-6	250	<250	ug/kg dry	3.C
1,2-Dibromo-3-chloropropane	96-12-8	250	<250	ug/kg dry	3.C
1,2-Dibromoethane	106-93-4	250	<250	ug/kg dry	3.C
1,2-Dichlorobenzene	95-50-1	250	<250	ug/kg dry	3.C
1,2-Dichloroethane	107-06-2	250	<250	ug/kg dry	3.C, 4.J
1,2-Dichloropropane	78-87-5	250	<250	ug/kg dry	3.C, 4.M
1,3,5-Trimethylbenzene	108-67-8	250	<250	ug/kg dry	3.C
1,3,5-Trimethylbenzene	108-67-8	250	<250	ug/kg dry	3.C
1,3-Dichlorobenzene	541-73-1	250	<250	ug/kg dry	3.C
1,3-Dichloropropane	142-28-9	250	<250	ug/kg dry	3.C
1,4-Dichlorobenzene	106-46-7	250	<250	ug/kg dry	3.C
1,4-Diethylbenzene	105-05-5	250	<250	ug/kg dry	2.B, 3.C
1,4-Dioxane	123-91-1	1250	<1250	ug/kg dry	3.C
2,2-Dichloropropane	594-20-7	250	<250	ug/kg dry	3.C
2-Chloroethyl Vinyl Ether	110-75-8	250	<250	ug/kg dry	3.C, 4.K, 4.M
2-Chlorotoluene	95-49-8	250	<250	ug/kg dry	3.C
4-Chlorotoluene	106-43-4	250	<250	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	250	<250	ug/kg dry	2.B, 3.C
4-Isopropyltoluene	99-87-6	250	<250	ug/kg dry	3.C
4-Isopropyltoluene	99-87-6	250	<250	ug/kg dry	3.C
4-Methyl-2-Pentanone	108-10-1	500	<500	ug/kg dry	3.C
Acetone	67-64-1	1000	<1000	ug/kg dry	4.S, 3.C
Acrolein	107-02-8	500	<500	ug/kg dry	4.R, 3.C
Acrylonitrile	107-13-1	500	<500	ug/kg dry	3.C
Benzene	71-43-2	250	<250	ug/kg dry	3.C
Benzene	71-43-2	250	<250	ug/kg dry	3.C
Bromobenzene	108-86-1	250	<250	ug/kg dry	3.C
Bromochloromethane	74-97-5	250	<250	ug/kg dry	3.C
Bromodichloromethane	75-27-4	250	<250	ug/kg dry	3.C
Bromoform	75-25-2	250	<250	ug/kg dry	3.C
Bromomethane	74-83-9	250	<250	ug/kg dry	4.J, 3.C
Carbon disulfide	75-15-0	250	<250	ug/kg dry	3.C
Carbon Tetrachloride	56-23-5	250	<250	ug/kg dry	4.J, 4.N, 3.C
Chlorobenzene	108-90-7	250	<250	ug/kg dry	3.C
Chlorodifluoromethane	75-45-6	250	<250	ug/kg dry	2.B, 3.C
Chloroethane	75-00-3	250	<250	ug/kg dry	3.C
Chloroform	67-66-3	250	<250	ug/kg dry	3.C
Chloromethane	74-87-3	250	<250	ug/kg dry	3.C, 4.J
cis-1,2-Dichloroethene	156-59-2	250	<250	ug/kg dry	3.C
cis-1,3-Dichloropropene	10061-01-5	500	<500	ug/kg dry	3.C
Dibromochloromethane	124-48-1	250	<250	ug/kg dry	3.C
Dibromomethane	74-95-3	250	<250	ug/kg dry	3.C
Dichlorodifluoromethane	75-71-8	250	<250	ug/kg dry	3.C
Ethylbenzene	100-41-4	250	<250	ug/kg dry	3.C
Ethylbenzene	100-41-4	250	<250	ug/kg dry	3.C
Hexachlorobutadiene	87-68-3	250	<250	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	250	<250	ug/kg dry	3.C
Isopropylbenzene (Cumene)	98-82-8	250	<250	ug/kg dry	3.C
m,p-Xylenes	108-38-3/106-42-3	500	<500	ug/kg dry	3.C
m,p-Xylenes	108-38-3/106-42-3	500	<500	ug/kg dry	3.C
Methyl Acetate	79-20-9	250	<250	ug/kg dry	4.J, 3.C
Methyl Butyl Ketone (2-Hexanone)	591-78-6	500	<500	ug/kg dry	3.C
Methyl Ethyl Ketone (2-Butanone)	78-93-3	500	<500	ug/kg dry	4.S, 3.C
Methylene Chloride	75-09-2	250	<250	ug/kg dry	3.C
Methyl-tert-Butyl Ether	1634-04-4	250	<250	ug/kg dry	3.C
Methyl-tert-Butyl Ether	1634-04-4	250	<250	ug/kg dry	3.C
Naphthalene	91-20-3	500	<500	ug/kg dry	3.C
Naphthalene	91-20-3	500	<500	ug/kg dry	3.C
n-Butylbenzene	104-51-8	250	<250	ug/kg dry	3.C
n-Butylbenzene	104-51-8	250	<250	ug/kg dry	3.C
n-Propylbenzene	103-65-1	250	<250	ug/kg dry	3.C
n-Propylbenzene	103-65-1	250	<250	ug/kg dry	3.C
o-Xylene	95-47-6	250	<250	ug/kg dry	3.C
o-Xylene	95-47-6	250	<250	ug/kg dry	3.C
sec-Butylbenzene	135-98-8	250	<250	ug/kg dry	3.C
sec-Butylbenzene	135-98-8	250	<250	ug/kg dry	3.C
Styrene	100-42-5	250	<250	ug/kg dry	3.C
tert-Butyl alcohol	75-65-0	500	<500	ug/kg dry	3.C
tert-Butylbenzene	98-06-6	250	<250	ug/kg dry	3.C
tert-Butylbenzene	98-06-6	250	<250	ug/kg dry	3.C
Tetrachloroethene	127-18-4	250	<250	ug/kg dry	3.C
Toluene	108-88-3	250	<250	ug/kg dry	3.C
Toluene	108-88-3	250	<250	ug/kg dry	3.C
trans-1,2-Dichloroethene	156-60-5	250	<250	ug/kg dry	3.C
trans-1,3-Dichloropropene	10061-02-6	250	<250	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	250	<250	ug/kg dry	3.C
Trichlorofluoromethane	75-69-4	250	<250	ug/kg dry	4.J, 4.N, 3.C
Vinyl Acetate	108-05-4	250	<250	ug/kg dry	4.R, 3.C
Vinyl chloride	75-01-4	250	<250	ug/kg dry	4.J, 3.C

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
4-Bromofluorobenzene	460-00-4	104	76.1-131	
4-Bromofluorobenzene	460-00-4	104	76.1-131	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	
Toluene-d8	2037-26-5	101	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	117	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	117	50-200	
1,4-Difluorobenzene	540-36-3	115	50-200	
1,4-Difluorobenzene	540-36-3	115	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Pentafluorobenzene	363-72-4	118	50-200	
Pentafluorobenzene	363-72-4	118	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	180	<180	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	180	<180	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	180	<180	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	180	<180	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	240	<240	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	240	<240	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	240	<240	ug/kg dry	
2,4-Dichlorophenol	120-83-2	180	<180	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	180	<180	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	360	<360	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	240	<240	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	240	<240	ug/kg dry	
2-Chloronaphthalene	91-58-7	180	<180	ug/kg dry	4.N
2-Chlorophenol	95-57-8	180	<180	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	180	<180	ug/kg dry	4.N
2-Methylphenol	95-48-7	360	<360	ug/kg dry	4.N
2-Nitroaniline	88-74-4	360	<360	ug/kg dry	
2-Nitrophenol	88-75-5	360	<360	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	360	<360	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	180	<180	ug/kg dry	4.N
3-Nitroaniline	99-09-2	240	<240	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	360	<360	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	240	<240	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	240	<240	ug/kg dry	4.K
4-Chloroaniline	106-47-8	180	<180	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	240	<240	ug/kg dry	
4-Nitroaniline	100-01-6	360	<360	ug/kg dry	
4-Nitrophenol	100-02-7	360	<360	ug/kg dry	4.K
Acenaphthene	83-32-9	180	<180	ug/kg dry	
Acenaphthene	83-32-9	240	<240	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	180	240	ug/kg dry	
Acenaphthylene	208-96-8	180	240	ug/kg dry	
Aniline	62-53-3	240	<240	ug/kg dry	4.N
Anthracene	120-12-7	180	640	ug/kg dry	
Anthracene	120-12-7	240	640	ug/kg dry	
Benzidine	92-87-5	841	<841	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	180	2130	ug/kg dry	
Benzo(a)anthracene	56-55-3	180	2130	ug/kg dry	
Benzo(a)pyrene	50-32-8	180	528	ug/kg dry	
Benzo(a)pyrene	50-32-8	180	528	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	360	2060	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	360	2060	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	180	1370	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	180	1370	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	180	1440	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	180	1440	ug/kg dry	
Benzoic Acid	65-85-0	480	<480	ug/kg dry	4.N
Benzyl alcohol	100-51-6	480	<480	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	180	<180	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	180	<180	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	360	375	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	360	486	ug/kg dry	4.K
Carbazole	86-74-8	180	<180	ug/kg dry	
Chrysene	218-01-9	180	2250	ug/kg dry	
Chrysene	218-01-9	240	2250	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	180	673	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	180	673	ug/kg dry	
Dibenzofuran	132-64-9	240	<240	ug/kg dry	
Diethyl phthalate	84-66-2	240	<240	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
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Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	240	<240	ug/kg dry	
Di-n-butyl phthalate	84-74-2	360	<360	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	360	<360	ug/kg dry	4.K
Fluoranthene	206-44-0	180	4270	ug/kg dry	
Fluoranthene	206-44-0	240	4270	ug/kg dry	
Fluorene	86-73-7	180	184	ug/kg dry	
Fluorene	86-73-7	240	<240	ug/kg dry	
Hexachlorobenzene	118-74-1	240	<240	ug/kg dry	
Hexachlorobutadiene	87-68-3	240	<240	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	360	<360	ug/kg dry	4.N
Hexachloroethane	67-72-1	180	<180	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	180	1330	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	180	1330	ug/kg dry	4.K
Isophorone	78-59-1	360	<360	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	240	<240	ug/kg dry	4.N
n-Decane	124-18-5	180	<180	ug/kg dry	
Nitrobenzene	98-95-3	240	<240	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	180	<180	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	180	<180	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	180	<180	ug/kg dry	
n-Octadecane	593-45-3	180	<180	ug/kg dry	
Parathion (ethyl)	56-38-2	360	597	ug/kg dry	4.K
Pentachlorophenol	87-86-5	360	<360	ug/kg dry	
Phenanthrene	85-01-8	180	1880	ug/kg dry	
Phenanthrene	85-01-8	240	1880	ug/kg dry	
Phenol	108-95-2	180	<180	ug/kg dry	4.N
Pyrene	129-00-0	180	3800	ug/kg dry	
Pyrene	129-00-0	240	3800	ug/kg dry	
Pyridine	110-86-1	240	<240	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	54	28.3-111	
2-Fluorobiphenyl	321-60-8	66	30.1-118	
2-Fluorobiphenyl	321-60-8	66	30.1-118	
2-Fluorophenol	367-12-4	42	28.1-113	
Nitrobenzene-d5	4165-60-0	56	30.3-117	
Nitrobenzene-d5	4165-60-0	56	30.3-117	
Phenol-d6	13127-88-3	58	26.7-119	
Terphenyl-d14	1718-51-0	77	31.4-136	
Terphenyl-d14	1718-51-0	77	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	161	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	161	50-200	
Acenaphthene-d10	15067-26-2	160	50-200	
Acenaphthene-d10	15067-26-2	160	50-200	
Chrysene-d12	1719-03-5	146	50-200	
Chrysene-d12	1719-03-5	146	50-200	
Naphthalene-d8	1146-65-2	171	50-200	
Naphthalene-d8	1146-65-2	171	50-200	
Perylene-d12	1520-96-3	135	50-200	
Perylene-d12	1520-96-3	135	50-200	
Phenanthrene-d10	1517-22-2	149	50-200	
Phenanthrene-d10	1517-22-2	149	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03 % Solid:83.253
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.40	<2.40	ug/kg dry	
4,4'-DDE	72-55-9	2.40	<2.40	ug/kg dry	
4,4'-DDT	50-29-3	2.40	<2.40	ug/kg dry	
Aldrin	309-00-2	2.40	<2.40	ug/kg dry	
alpha-BHC	319-84-6	6.01	<6.01	ug/kg dry	
beta-BHC	319-85-7	6.01	<6.01	ug/kg dry	
cis-Chlordane	5103-71-9	6.01	<6.01	ug/kg dry	
delta-BHC	319-86-8	6.01	<6.01	ug/kg dry	
Dieldrin	60-57-1	2.40	<2.40	ug/kg dry	
Endosulfan I	959-98-8	6.01	<6.01	ug/kg dry	
Endosulfan II	33213-65-9	6.01	<6.01	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.01	<6.01	ug/kg dry	
Endrin	72-20-8	6.01	<6.01	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.01	<6.01	ug/kg dry	
Endrin Ketone	53494-70-5	6.01	<6.01	ug/kg dry	
gamma-BHC	58-89-9	6.01	<6.01	ug/kg dry	
Heptachlor	76-44-8	6.01	<6.01	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.01	<6.01	ug/kg dry	
Methoxychlor	72-43-5	6.01	<6.01	ug/kg dry	
Mirex	2385-85-5	6.01	<6.01	ug/kg dry	
Toxaphene	8001-35-2	120	<120	ug/kg dry	
trans-Chlordane	5103-74-2	6.01	<6.01	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	122	52.6-153	
Tetrachloro-m-xylene	877-09-8	91	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	70	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03	% Solid:83.253
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.1	<60.1	ug/kg dry	
Aroclor-1221	11104-28-2	60.1	<60.1	ug/kg dry	
Aroclor-1232	11141-16-5	60.1	<60.1	ug/kg dry	
Aroclor-1242	53469-21-9	60.1	<60.1	ug/kg dry	
Aroclor-1248	12672-29-6	60.1	<60.1	ug/kg dry	
Aroclor-1254	11097-69-1	60.1	<60.1	ug/kg dry	
Aroclor-1260	11096-82-5	60.1	<60.1	ug/kg dry	
Aroclor-1262	37324-23-5	60.1	<60.1	ug/kg dry	
Aroclor-1268	11100-14-4	60.1	<60.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	90	47.4-148	
Tetrachloro-m-xylene	877-09-8	91	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	136	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 12:55	Sample ID: 1	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-03	% Solid:83.253
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	236	22900	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.97	<1.97	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.97	<1.97	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.97	108	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.79	<0.79	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.97	<1.97	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	47.1	5880	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.97	24.3	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.97	11.2	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.97	35.9	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	236	36500	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.97	42.6	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	23.6	4680	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.97	227	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.97	15.5	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	236	12000	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.92	<3.92	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.49	<0.49	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	47.1	416	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.97	<1.97	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.97	35.8	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.97	146	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.603	<0.603	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.008	0.03	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.20	<1.20	mg/kg dry	3.C

Date Prepared: 12/28/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.55	<5.55	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.55	<5.55	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.55	<5.55	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.55	<5.55	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.55	<5.55	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.55	<5.55	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.55	<5.55	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.55	<5.55	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.55	<5.55	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.55	<5.55	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.55	<5.55	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.55	<5.55	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.55	<5.55	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.55	<5.55	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.55	<5.55	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.55	<5.55	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.55	<5.55	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.55	<5.55	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.55	<5.55	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.55	<5.55	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.55	<5.55	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.55	<5.55	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.55	<5.55	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.55	<5.55	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.55	<5.55	ug/kg dry	2.B
1,4-Dioxane	123-91-1	27.7	<27.7	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.55	<5.55	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.55	<5.55	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.55	<5.55	ug/kg dry	
4-Chlorotoluene	106-43-4	5.55	<5.55	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.55	<5.55	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.55	<5.55	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.55	<5.55	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.1	<11.1	ug/kg dry	
Acetone	67-64-1	22.2	<22.2	ug/kg dry	4.S
Acrolein	107-02-8	11.1	<11.1	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.1	<11.1	ug/kg dry	
Benzene	71-43-2	5.55	<5.55	ug/kg dry	
Benzene	71-43-2	5.55	<5.55	ug/kg dry	
Bromobenzene	108-86-1	5.55	<5.55	ug/kg dry	
Bromochloromethane	74-97-5	5.55	<5.55	ug/kg dry	
Bromodichloromethane	75-27-4	5.55	<5.55	ug/kg dry	
Bromoform	75-25-2	5.55	<5.55	ug/kg dry	
Bromomethane	74-83-9	5.55	<5.55	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.55	<5.55	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.55	<5.55	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.55	<5.55	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.55	<5.55	ug/kg dry	2.B
Chloroethane	75-00-3	5.55	<5.55	ug/kg dry	
Chloroform	67-66-3	5.55	<5.55	ug/kg dry	
Chloromethane	74-87-3	5.55	<5.55	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.55	<5.55	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.1	<11.1	ug/kg dry	
Dibromochloromethane	124-48-1	5.55	<5.55	ug/kg dry	
Dibromomethane	74-95-3	5.55	<5.55	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.55	<5.55	ug/kg dry	
Ethylbenzene	100-41-4	5.55	<5.55	ug/kg dry	
Ethylbenzene	100-41-4	5.55	<5.55	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.55	<5.55	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.55	<5.55	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.55	<5.55	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.1	<11.1	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.1	<11.1	ug/kg dry	
Methyl Acetate	79-20-9	5.55	<5.55	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.1	<11.1	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.1	<11.1	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.55	<5.55	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.55	<5.55	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.55	<5.55	ug/kg dry	
Naphthalene	91-20-3	11.1	<11.1	ug/kg dry	
Naphthalene	91-20-3	11.1	<11.1	ug/kg dry	
n-Butylbenzene	104-51-8	5.55	<5.55	ug/kg dry	
n-Butylbenzene	104-51-8	5.55	<5.55	ug/kg dry	
n-Propylbenzene	103-65-1	5.55	<5.55	ug/kg dry	
n-Propylbenzene	103-65-1	5.55	<5.55	ug/kg dry	
o-Xylene	95-47-6	5.55	<5.55	ug/kg dry	
o-Xylene	95-47-6	5.55	<5.55	ug/kg dry	
sec-Butylbenzene	135-98-8	5.55	<5.55	ug/kg dry	
sec-Butylbenzene	135-98-8	5.55	<5.55	ug/kg dry	
Styrene	100-42-5	5.55	<5.55	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.1	<11.1	ug/kg dry	
tert-Butylbenzene	98-06-6	5.55	<5.55	ug/kg dry	
tert-Butylbenzene	98-06-6	5.55	<5.55	ug/kg dry	
Tetrachloroethene	127-18-4	5.55	<5.55	ug/kg dry	
Toluene	108-88-3	5.55	<5.55	ug/kg dry	
Toluene	108-88-3	5.55	<5.55	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.55	<5.55	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.55	<5.55	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.55	<5.55	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.55	<5.55	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.55	<5.55	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.55	<5.55	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	96	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	96	72.1-142	
4-Bromofluorobenzene	460-00-4	103	76.1-131	
4-Bromofluorobenzene	460-00-4	103	76.1-131	
Dibromofluoromethane	1868-53-7	104	77.6-135	
Dibromofluoromethane	1868-53-7	104	77.6-135	
Toluene-d8	2037-26-5	98	77.8-124	
Toluene-d8	2037-26-5	98	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	121	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	121	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
Chlorobenzene-d5	3114-55-4	119	50-200	
Chlorobenzene-d5	3114-55-4	119	50-200	
Pentafluorobenzene	363-72-4	112	50-200	
Pentafluorobenzene	363-72-4	112	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	177	<177	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	177	<177	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	177	<177	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	177	<177	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	236	<236	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	236	<236	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	236	<236	ug/kg dry	
2,4-Dichlorophenol	120-83-2	177	<177	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	177	<177	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	354	<354	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	236	<236	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	236	<236	ug/kg dry	
2-Chloronaphthalene	91-58-7	177	<177	ug/kg dry	4.N
2-Chlorophenol	95-57-8	177	<177	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	177	479	ug/kg dry	4.N
2-Methylphenol	95-48-7	354	<354	ug/kg dry	4.N
2-Nitroaniline	88-74-4	354	<354	ug/kg dry	
2-Nitrophenol	88-75-5	354	<354	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	354	<354	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	177	<177	ug/kg dry	4.N
3-Nitroaniline	99-09-2	236	<236	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	354	<354	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	236	<236	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	236	<236	ug/kg dry	4.K
4-Chloroaniline	106-47-8	177	<177	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	236	<236	ug/kg dry	
4-Nitroaniline	100-01-6	354	<354	ug/kg dry	
4-Nitrophenol	100-02-7	354	<354	ug/kg dry	4.K
Acenaphthene	83-32-9	177	601	ug/kg dry	
Acenaphthene	83-32-9	236	601	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	177	707	ug/kg dry	
Acenaphthylene	208-96-8	177	707	ug/kg dry	
Aniline	62-53-3	236	<236	ug/kg dry	4.N
Anthracene	120-12-7	177	2100	ug/kg dry	
Anthracene	120-12-7	236	2100	ug/kg dry	
Benzidine	92-87-5	825	<825	ug/kg dry	4.N, 4.J
Benzo(a)anthracene	56-55-3	177	4800	ug/kg dry	
Benzo(a)anthracene	56-55-3	177	4800	ug/kg dry	
Benzo(a)pyrene	50-32-8	177	3550	ug/kg dry	
Benzo(a)pyrene	50-32-8	177	3550	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	354	3940	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	354	3940	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	177	4020	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	177	4020	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	177	4050	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	177	4050	ug/kg dry	
Benzoic Acid	65-85-0	471	<471	ug/kg dry	4.N
Benzyl alcohol	100-51-6	471	<471	ug/kg dry	4.N, 4.J
bis(2-Chloroethoxy)methane	111-91-1	177	<177	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	177	<177	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	354	<354	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	354	<354	ug/kg dry	4.K
Carbazole	86-74-8	177	222	ug/kg dry	
Chrysene	218-01-9	177	6200	ug/kg dry	
Chrysene	218-01-9	236	6200	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	177	1830	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	177	1830	ug/kg dry	
Dibenzofuran	132-64-9	236	381	ug/kg dry	
Diethyl phthalate	84-66-2	236	<236	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	236	<236	ug/kg dry	
Di-n-butyl phthalate	84-74-2	354	<354	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	354	<354	ug/kg dry	4.K
Fluoranthene	206-44-0	177	7000	ug/kg dry	
Fluoranthene	206-44-0	236	7000	ug/kg dry	
Fluorene	86-73-7	177	1050	ug/kg dry	
Fluorene	86-73-7	236	1050	ug/kg dry	
Hexachlorobenzene	118-74-1	236	<236	ug/kg dry	
Hexachlorobutadiene	87-68-3	236	<236	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	354	<354	ug/kg dry	4.N
Hexachloroethane	67-72-1	177	<177	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	177	3340	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	177	3340	ug/kg dry	4.K
Isophorone	78-59-1	354	<354	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	236	483	ug/kg dry	4.N
n-Decane	124-18-5	177	<177	ug/kg dry	
Nitrobenzene	98-95-3	236	<236	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	177	<177	ug/kg dry	4.N, 4.K
N-Nitroso-di-n-propylamine	621-64-7	177	<177	ug/kg dry	4.N, 4.K
N-Nitrosodiphenylamine	86-30-6	177	<177	ug/kg dry	
n-Octadecane	593-45-3	177	<177	ug/kg dry	
Parathion (ethyl)	56-38-2	354	<354	ug/kg dry	4.K
Pentachlorophenol	87-86-5	354	<354	ug/kg dry	
Phenanthrene	85-01-8	177	2940	ug/kg dry	
Phenanthrene	85-01-8	236	2940	ug/kg dry	
Phenol	108-95-2	177	<177	ug/kg dry	4.N
Pyrene	129-00-0	177	8650	ug/kg dry	
Pyrene	129-00-0	236	8650	ug/kg dry	
Pyridine	110-86-1	236	<236	ug/kg dry	4.N, 4.J

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	63	28.3-111	
2-Fluorobiphenyl	321-60-8	56	30.1-118	
2-Fluorobiphenyl	321-60-8	56	30.1-118	
2-Fluorophenol	367-12-4	26	28.1-113	4.D
Nitrobenzene-d5	4165-60-0	34	30.3-117	
Nitrobenzene-d5	4165-60-0	34	30.3-117	
Phenol-d6	13127-88-3	41	26.7-119	
Terphenyl-d14	1718-51-0	71	31.4-136	
Terphenyl-d14	1718-51-0	71	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	157	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	157	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Chrysene-d12	1719-03-5	138	50-200	
Chrysene-d12	1719-03-5	138	50-200	
Naphthalene-d8	1146-65-2	159	50-200	
Naphthalene-d8	1146-65-2	159	50-200	
Perylene-d12	1520-96-3	134	50-200	
Perylene-d12	1520-96-3	134	50-200	
Phenanthrene-d10	1517-22-2	139	50-200	
Phenanthrene-d10	1517-22-2	139	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04 % Solid:84.853
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.36	<2.36	ug/kg dry	
4,4'-DDE	72-55-9	2.36	<2.36	ug/kg dry	
4,4'-DDT	50-29-3	2.36	<2.36	ug/kg dry	
Aldrin	309-00-2	2.36	<2.36	ug/kg dry	
alpha-BHC	319-84-6	5.89	<5.89	ug/kg dry	
beta-BHC	319-85-7	5.89	<5.89	ug/kg dry	
cis-Chlordane	5103-71-9	5.89	<5.89	ug/kg dry	
delta-BHC	319-86-8	5.89	<5.89	ug/kg dry	
Dieldrin	60-57-1	2.36	<2.36	ug/kg dry	
Endosulfan I	959-98-8	5.89	<5.89	ug/kg dry	
Endosulfan II	33213-65-9	5.89	<5.89	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.89	<5.89	ug/kg dry	
Endrin	72-20-8	5.89	<5.89	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.89	<5.89	ug/kg dry	
Endrin Ketone	53494-70-5	5.89	<5.89	ug/kg dry	
gamma-BHC	58-89-9	5.89	<5.89	ug/kg dry	
Heptachlor	76-44-8	5.89	<5.89	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.89	<5.89	ug/kg dry	
Methoxychlor	72-43-5	5.89	<5.89	ug/kg dry	
Mirex	2385-85-5	5.89	<5.89	ug/kg dry	
Toxaphene	8001-35-2	118	<118	ug/kg dry	
trans-Chlordane	5103-74-2	5.89	<5.89	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	123	52.6-153	
Tetrachloro-m-xylene	877-09-8	108	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	85	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04	% Solid:84.853
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	58.9	<58.9	ug/kg dry	
Aroclor-1221	11104-28-2	58.9	<58.9	ug/kg dry	
Aroclor-1232	11141-16-5	58.9	<58.9	ug/kg dry	
Aroclor-1242	53469-21-9	58.9	<58.9	ug/kg dry	
Aroclor-1248	12672-29-6	58.9	<58.9	ug/kg dry	
Aroclor-1254	11097-69-1	58.9	<58.9	ug/kg dry	
Aroclor-1260	11096-82-5	58.9	<58.9	ug/kg dry	
Aroclor-1262	37324-23-5	58.9	<58.9	ug/kg dry	
Aroclor-1268	11100-14-4	58.9	<58.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	91	47.4-148	
Tetrachloro-m-xylene	877-09-8	94	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	137	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:00	Sample ID: 4	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-04	% Solid:84.853
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	214	12100	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.79	<1.79	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.79	<1.79	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.79	138	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.72	<0.72	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.79	<1.79	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	429	11100	mg/kg dry	3.E
Chromium	12/28/2022	EPA 6010 D	1.79	23.1	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.79	7.78	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.79	30.8	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	214	19400	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.79	29.8	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	21.4	4310	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.79	217	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.79	15.1	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	214	6340	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.57	<3.57	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.45	<0.45	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	42.9	701	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.79	1.96	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.79	30.7	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.79	108	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.583	<0.583	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.15	<1.15	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	302	<302	ug/kg dry	3.C
1,1,1-Trichloroethane	71-55-6	302	<302	ug/kg dry	3.C, 4.J
1,1,2,2-Tetrachloroethane	79-34-5	302	<302	ug/kg dry	3.C
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	302	<302	ug/kg dry	3.C
1,1,2-Trichloroethane	79-00-5	302	<302	ug/kg dry	3.C
1,1-Dichloroethane	75-34-3	302	<302	ug/kg dry	3.C
1,1-Dichloroethene	75-35-4	302	<302	ug/kg dry	3.C
1,1-Dichloropropene	563-58-6	302	<302	ug/kg dry	3.C
1,2,3-Trichlorobenzene	87-61-6	302	<302	ug/kg dry	3.C
1,2,3-Trichloropropane	96-18-4	302	<302	ug/kg dry	3.C
1,2,4,5-Tetramethylbenzene	95-93-2	302	<302	ug/kg dry	2.B, 3.C
1,2,4-Trichlorobenzene	120-82-1	302	<302	ug/kg dry	3.C
1,2,4-Trimethylbenzene	95-63-6	302	<302	ug/kg dry	3.C
1,2,4-Trimethylbenzene	95-63-6	302	<302	ug/kg dry	3.C
1,2-Dibromo-3-chloropropane	96-12-8	302	<302	ug/kg dry	3.C
1,2-Dibromoethane	106-93-4	302	<302	ug/kg dry	3.C
1,2-Dichlorobenzene	95-50-1	302	<302	ug/kg dry	3.C
1,2-Dichloroethane	107-06-2	302	<302	ug/kg dry	4.J, 3.C
1,2-Dichloropropane	78-87-5	302	<302	ug/kg dry	3.C, 4.M
1,3,5-Trimethylbenzene	108-67-8	302	<302	ug/kg dry	3.C
1,3,5-Trimethylbenzene	108-67-8	302	<302	ug/kg dry	3.C
1,3-Dichlorobenzene	541-73-1	302	<302	ug/kg dry	3.C
1,3-Dichloropropane	142-28-9	302	<302	ug/kg dry	3.C
1,4-Dichlorobenzene	106-46-7	302	<302	ug/kg dry	3.C
1,4-Diethylbenzene	105-05-5	302	<302	ug/kg dry	2.B, 3.C
1,4-Dioxane	123-91-1	1510	<1510	ug/kg dry	3.C
2,2-Dichloropropane	594-20-7	302	<302	ug/kg dry	3.C
2-Chloroethyl Vinyl Ether	110-75-8	302	<302	ug/kg dry	3.C, 4.K, 4.M
2-Chlorotoluene	95-49-8	302	<302	ug/kg dry	3.C
4-Chlorotoluene	106-43-4	302	<302	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	302	<302	ug/kg dry	2.B, 3.C
4-Isopropyltoluene	99-87-6	302	<302	ug/kg dry	3.C
4-Isopropyltoluene	99-87-6	302	<302	ug/kg dry	3.C
4-Methyl-2-Pentanone	108-10-1	604	<604	ug/kg dry	3.C
Acetone	67-64-1	1210	<1210	ug/kg dry	3.C, 4.S
Acrolein	107-02-8	604	<604	ug/kg dry	3.C, 4.R
Acrylonitrile	107-13-1	604	<604	ug/kg dry	3.C
Benzene	71-43-2	302	<302	ug/kg dry	3.C
Benzene	71-43-2	302	<302	ug/kg dry	3.C
Bromobenzene	108-86-1	302	<302	ug/kg dry	3.C
Bromochloromethane	74-97-5	302	<302	ug/kg dry	3.C
Bromodichloromethane	75-27-4	302	<302	ug/kg dry	3.C
Bromoform	75-25-2	302	<302	ug/kg dry	3.C
Bromomethane	74-83-9	302	<302	ug/kg dry	3.C, 4.J
Carbon disulfide	75-15-0	302	<302	ug/kg dry	3.C
Carbon Tetrachloride	56-23-5	302	<302	ug/kg dry	3.C, 4.J, 4.N
Chlorobenzene	108-90-7	302	<302	ug/kg dry	3.C
Chlorodifluoromethane	75-45-6	302	<302	ug/kg dry	2.B, 3.C
Chloroethane	75-00-3	302	<302	ug/kg dry	3.C
Chloroform	67-66-3	302	<302	ug/kg dry	3.C
Chloromethane	74-87-3	302	<302	ug/kg dry	3.C, 4.J
cis-1,2-Dichloroethene	156-59-2	302	<302	ug/kg dry	3.C
cis-1,3-Dichloropropene	10061-01-5	604	<604	ug/kg dry	3.C
Dibromochloromethane	124-48-1	302	<302	ug/kg dry	3.C
Dibromomethane	74-95-3	302	<302	ug/kg dry	3.C
Dichlorodifluoromethane	75-71-8	302	<302	ug/kg dry	3.C
Ethylbenzene	100-41-4	302	<302	ug/kg dry	3.C
Ethylbenzene	100-41-4	302	<302	ug/kg dry	3.C
Hexachlorobutadiene	87-68-3	302	<302	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	302	<302	ug/kg dry	3.C
Isopropylbenzene (Cumene)	98-82-8	302	<302	ug/kg dry	3.C
m,p-Xylenes	108-38-3/106-42-3	604	<604	ug/kg dry	3.C
m,p-Xylenes	108-38-3/106-42-3	604	<604	ug/kg dry	3.C
Methyl Acetate	79-20-9	302	<302	ug/kg dry	3.C, 4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	604	<604	ug/kg dry	3.C
Methyl Ethyl Ketone (2-Butanone)	78-93-3	604	<604	ug/kg dry	3.C, 4.S
Methylene Chloride	75-09-2	302	<302	ug/kg dry	3.C
Methyl-tert-Butyl Ether	1634-04-4	302	<302	ug/kg dry	3.C
Methyl-tert-Butyl Ether	1634-04-4	302	<302	ug/kg dry	3.C
Naphthalene	91-20-3	604	<604	ug/kg dry	3.C
Naphthalene	91-20-3	604	<604	ug/kg dry	3.C
n-Butylbenzene	104-51-8	302	<302	ug/kg dry	3.C
n-Butylbenzene	104-51-8	302	<302	ug/kg dry	3.C
n-Propylbenzene	103-65-1	302	<302	ug/kg dry	3.C
n-Propylbenzene	103-65-1	302	<302	ug/kg dry	3.C
o-Xylene	95-47-6	302	<302	ug/kg dry	3.C
o-Xylene	95-47-6	302	<302	ug/kg dry	3.C
sec-Butylbenzene	135-98-8	302	<302	ug/kg dry	3.C
sec-Butylbenzene	135-98-8	302	<302	ug/kg dry	3.C
Styrene	100-42-5	302	<302	ug/kg dry	3.C
tert-Butyl alcohol	75-65-0	604	<604	ug/kg dry	3.C
tert-Butylbenzene	98-06-6	302	<302	ug/kg dry	3.C
tert-Butylbenzene	98-06-6	302	<302	ug/kg dry	3.C
Tetrachloroethene	127-18-4	302	<302	ug/kg dry	3.C
Toluene	108-88-3	302	<302	ug/kg dry	3.C
Toluene	108-88-3	302	<302	ug/kg dry	3.C
trans-1,2-Dichloroethene	156-60-5	302	<302	ug/kg dry	3.C
trans-1,3-Dichloropropene	10061-02-6	302	<302	ug/kg dry	3.C

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	302	<302	ug/kg dry	3.C
Trichlorofluoromethane	75-69-4	302	<302	ug/kg dry	3.C, 4.J, 4.N
Vinyl Acetate	108-05-4	302	<302	ug/kg dry	3.C, 4.R
Vinyl chloride	75-01-4	302	<302	ug/kg dry	3.C, 4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	91	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	91	72.1-142	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	
Toluene-d8	2037-26-5	101	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	118	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	118	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
Chlorobenzene-d5	3114-55-4	117	50-200	
Chlorobenzene-d5	3114-55-4	117	50-200	
Pentafluorobenzene	363-72-4	119	50-200	
Pentafluorobenzene	363-72-4	119	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	181	<181	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	181	<181	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	181	<181	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	181	<181	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	242	<242	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	242	<242	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	242	<242	ug/kg dry	
2,4-Dichlorophenol	120-83-2	181	<181	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	181	<181	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	363	<363	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	242	<242	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	242	<242	ug/kg dry	
2-Chloronaphthalene	91-58-7	181	<181	ug/kg dry	4.N
2-Chlorophenol	95-57-8	181	<181	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	181	221	ug/kg dry	4.N
2-Methylphenol	95-48-7	363	<363	ug/kg dry	4.N
2-Nitroaniline	88-74-4	363	<363	ug/kg dry	
2-Nitrophenol	88-75-5	363	<363	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	363	<363	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	181	<181	ug/kg dry	4.N
3-Nitroaniline	99-09-2	242	<242	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	363	<363	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	242	<242	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	242	<242	ug/kg dry	4.K
4-Chloroaniline	106-47-8	181	<181	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	242	<242	ug/kg dry	
4-Nitroaniline	100-01-6	363	<363	ug/kg dry	
4-Nitrophenol	100-02-7	363	<363	ug/kg dry	4.K
Acenaphthene	83-32-9	181	785	ug/kg dry	
Acenaphthene	83-32-9	242	785	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	181	215	ug/kg dry	
Acenaphthylene	208-96-8	181	215	ug/kg dry	
Aniline	62-53-3	242	<242	ug/kg dry	4.N
Anthracene	120-12-7	181	637	ug/kg dry	
Anthracene	120-12-7	242	637	ug/kg dry	
Benzidine	92-87-5	846	<846	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	181	1370	ug/kg dry	
Benzo(a)anthracene	56-55-3	181	1370	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	1380	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	1380	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	363	1410	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	363	1410	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	181	1130	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	181	1130	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	181	897	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	181	897	ug/kg dry	
Benzoic Acid	65-85-0	484	<484	ug/kg dry	4.N
Benzyl alcohol	100-51-6	484	<484	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	181	<181	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	181	<181	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	363	477	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	363	<363	ug/kg dry	4.K
Carbazole	86-74-8	181	<181	ug/kg dry	
Chrysene	218-01-9	181	1510	ug/kg dry	
Chrysene	218-01-9	242	1510	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	480	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	480	ug/kg dry	
Dibenzofuran	132-64-9	242	532	ug/kg dry	
Diethyl phthalate	84-66-2	242	<242	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	242	<242	ug/kg dry	
Di-n-butyl phthalate	84-74-2	363	<363	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	363	<363	ug/kg dry	4.K
Fluoranthene	206-44-0	181	3150	ug/kg dry	
Fluoranthene	206-44-0	242	3150	ug/kg dry	
Fluorene	86-73-7	181	669	ug/kg dry	
Fluorene	86-73-7	242	669	ug/kg dry	
Hexachlorobenzene	118-74-1	242	<242	ug/kg dry	
Hexachlorobutadiene	87-68-3	242	<242	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	363	<363	ug/kg dry	4.N
Hexachloroethane	67-72-1	181	<181	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	181	984	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	181	984	ug/kg dry	4.K
Isophorone	78-59-1	363	<363	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	242	<242	ug/kg dry	4.N
n-Decane	124-18-5	181	<181	ug/kg dry	
Nitrobenzene	98-95-3	242	<242	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	181	<181	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	181	<181	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	181	<181	ug/kg dry	
n-Octadecane	593-45-3	181	<181	ug/kg dry	
Parathion (ethyl)	56-38-2	363	1010	ug/kg dry	4.K
Pentachlorophenol	87-86-5	363	<363	ug/kg dry	
Phenanthrene	85-01-8	181	2680	ug/kg dry	
Phenanthrene	85-01-8	242	2680	ug/kg dry	
Phenol	108-95-2	181	<181	ug/kg dry	4.N
Pyrene	129-00-0	181	2860	ug/kg dry	
Pyrene	129-00-0	242	2860	ug/kg dry	
Pyridine	110-86-1	242	<242	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	49	28.3-111	
2-Fluorobiphenyl	321-60-8	62	30.1-118	
2-Fluorobiphenyl	321-60-8	62	30.1-118	
2-Fluorophenol	367-12-4	47	28.1-113	
Nitrobenzene-d5	4165-60-0	62	30.3-117	
Nitrobenzene-d5	4165-60-0	62	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	71	31.4-136	
Terphenyl-d14	1718-51-0	71	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	146	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	146	50-200	
Acenaphthene-d10	15067-26-2	138	50-200	
Acenaphthene-d10	15067-26-2	138	50-200	
Chrysene-d12	1719-03-5	127	50-200	
Chrysene-d12	1719-03-5	127	50-200	
Naphthalene-d8	1146-65-2	154	50-200	
Naphthalene-d8	1146-65-2	154	50-200	
Perylene-d12	1520-96-3	117	50-200	
Perylene-d12	1520-96-3	117	50-200	
Phenanthrene-d10	1517-22-2	132	50-200	
Phenanthrene-d10	1517-22-2	132	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05 % Solid:82.724
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.42	<2.42	ug/kg dry	
4,4'-DDE	72-55-9	2.42	<2.42	ug/kg dry	
4,4'-DDT	50-29-3	2.42	<2.42	ug/kg dry	
Aldrin	309-00-2	2.42	<2.42	ug/kg dry	
alpha-BHC	319-84-6	6.04	<6.04	ug/kg dry	
beta-BHC	319-85-7	6.04	<6.04	ug/kg dry	
cis-Chlordane	5103-71-9	6.04	<6.04	ug/kg dry	
delta-BHC	319-86-8	6.04	<6.04	ug/kg dry	
Dieldrin	60-57-1	2.42	<2.42	ug/kg dry	
Endosulfan I	959-98-8	6.04	<6.04	ug/kg dry	
Endosulfan II	33213-65-9	6.04	<6.04	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.04	<6.04	ug/kg dry	
Endrin	72-20-8	6.04	<6.04	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.04	<6.04	ug/kg dry	
Endrin Ketone	53494-70-5	6.04	<6.04	ug/kg dry	
gamma-BHC	58-89-9	6.04	<6.04	ug/kg dry	
Heptachlor	76-44-8	6.04	<6.04	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.04	<6.04	ug/kg dry	
Methoxychlor	72-43-5	6.04	<6.04	ug/kg dry	
Mirex	2385-85-5	6.04	<6.04	ug/kg dry	
Toxaphene	8001-35-2	121	<121	ug/kg dry	
trans-Chlordane	5103-74-2	6.04	<6.04	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	139	52.6-153	
Tetrachloro-m-xylene	877-09-8	103	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	79	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05	% Solid:82.724
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.4	<60.4	ug/kg dry	
Aroclor-1221	11104-28-2	60.4	<60.4	ug/kg dry	
Aroclor-1232	11141-16-5	60.4	<60.4	ug/kg dry	
Aroclor-1242	53469-21-9	60.4	<60.4	ug/kg dry	
Aroclor-1248	12672-29-6	60.4	<60.4	ug/kg dry	
Aroclor-1254	11097-69-1	60.4	<60.4	ug/kg dry	
Aroclor-1260	11096-82-5	60.4	<60.4	ug/kg dry	
Aroclor-1262	37324-23-5	60.4	<60.4	ug/kg dry	
Aroclor-1268	11100-14-4	60.4	<60.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	103	47.4-148	
Tetrachloro-m-xylene	877-09-8	91	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	144	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:05	Sample ID: W	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-05	% Solid:82.724
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	24.0	7790	mg/kg dry	
Antimony	12/28/2022	EPA 6010 D	2.01	<2.01	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	2.01	<2.01	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	2.01	65.2	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.80	<0.80	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	2.01	<2.01	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	48.0	1500	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	2.01	21.5	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	2.01	8.23	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	2.01	23.1	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	240	17900	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	2.01	8.34	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	24.0	1900	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	20.1	509	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	2.01	12.2	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	24.0	1720	mg/kg dry	4.S
Selenium	12/28/2022	EPA 6010 D	4.00	<4.00	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.50	<0.50	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	48.0	319	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	2.01	<2.01	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	2.01	32.2	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	2.01	40.9	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.600	<0.600	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	0.02	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.18	<1.18	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06	% Solid:82.376
Matrix: Soil	ELAP: #11693	

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.81	<5.81	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.81	<5.81	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.81	<5.81	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.81	<5.81	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.81	<5.81	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.81	<5.81	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.81	<5.81	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.81	<5.81	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.81	<5.81	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.81	<5.81	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.81	<5.81	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.81	<5.81	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.81	<5.81	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.81	<5.81	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.81	<5.81	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.81	<5.81	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.81	<5.81	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.81	<5.81	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.81	<5.81	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.81	<5.81	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.81	<5.81	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.81	<5.81	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.81	<5.81	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.81	<5.81	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.81	<5.81	ug/kg dry	2.B
1,4-Dioxane	123-91-1	29.1	<29.1	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.81	<5.81	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.81	<5.81	ug/kg dry	4.M, 4.K
2-Chlorotoluene	95-49-8	5.81	<5.81	ug/kg dry	
4-Chlorotoluene	106-43-4	5.81	<5.81	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.81	<5.81	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.81	<5.81	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.81	<5.81	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.6	<11.6	ug/kg dry	
Acetone	67-64-1	23.3	<23.3	ug/kg dry	4.S
Acrolein	107-02-8	11.6	<11.6	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.6	<11.6	ug/kg dry	
Benzene	71-43-2	5.81	<5.81	ug/kg dry	
Benzene	71-43-2	5.81	<5.81	ug/kg dry	
Bromobenzene	108-86-1	5.81	<5.81	ug/kg dry	
Bromochloromethane	74-97-5	5.81	<5.81	ug/kg dry	
Bromodichloromethane	75-27-4	5.81	<5.81	ug/kg dry	
Bromoform	75-25-2	5.81	<5.81	ug/kg dry	
Bromomethane	74-83-9	5.81	<5.81	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.81	<5.81	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.81	<5.81	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.81	<5.81	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.81	<5.81	ug/kg dry	2.B
Chloroethane	75-00-3	5.81	<5.81	ug/kg dry	
Chloroform	67-66-3	5.81	<5.81	ug/kg dry	
Chloromethane	74-87-3	5.81	<5.81	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.81	<5.81	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.6	<11.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.81	<5.81	ug/kg dry	
Dibromomethane	74-95-3	5.81	<5.81	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.81	<5.81	ug/kg dry	
Ethylbenzene	100-41-4	5.81	<5.81	ug/kg dry	
Ethylbenzene	100-41-4	5.81	<5.81	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.81	<5.81	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.81	<5.81	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.81	<5.81	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.6	<11.6	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.6	<11.6	ug/kg dry	
Methyl Acetate	79-20-9	5.81	<5.81	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.6	<11.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.6	<11.6	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.81	<5.81	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.81	<5.81	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.81	<5.81	ug/kg dry	
Naphthalene	91-20-3	11.6	<11.6	ug/kg dry	
Naphthalene	91-20-3	11.6	<11.6	ug/kg dry	
n-Butylbenzene	104-51-8	5.81	<5.81	ug/kg dry	
n-Butylbenzene	104-51-8	5.81	<5.81	ug/kg dry	
n-Propylbenzene	103-65-1	5.81	<5.81	ug/kg dry	
n-Propylbenzene	103-65-1	5.81	<5.81	ug/kg dry	
o-Xylene	95-47-6	5.81	<5.81	ug/kg dry	
o-Xylene	95-47-6	5.81	<5.81	ug/kg dry	
sec-Butylbenzene	135-98-8	5.81	<5.81	ug/kg dry	
sec-Butylbenzene	135-98-8	5.81	<5.81	ug/kg dry	
Styrene	100-42-5	5.81	<5.81	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.6	<11.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.81	<5.81	ug/kg dry	
tert-Butylbenzene	98-06-6	5.81	<5.81	ug/kg dry	
Tetrachloroethene	127-18-4	5.81	<5.81	ug/kg dry	
Toluene	108-88-3	5.81	<5.81	ug/kg dry	
Toluene	108-88-3	5.81	<5.81	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.81	<5.81	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.81	<5.81	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.81	<5.81	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.81	<5.81	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.81	<5.81	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.81	<5.81	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	90	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	90	72.1-142	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	111	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	111	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Pentafluorobenzene	363-72-4	120	50-200	
Pentafluorobenzene	363-72-4	120	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/16/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	182	<182	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	182	<182	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	182	<182	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	182	<182	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	243	<243	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	243	<243	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	243	<243	ug/kg dry	
2,4-Dichlorophenol	120-83-2	182	<182	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	182	<182	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	364	<364	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	243	<243	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	243	256	ug/kg dry	
2-Chloronaphthalene	91-58-7	182	<182	ug/kg dry	4.N
2-Chlorophenol	95-57-8	182	<182	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	182	<182	ug/kg dry	4.N
2-Methylphenol	95-48-7	364	<364	ug/kg dry	4.N
2-Nitroaniline	88-74-4	364	<364	ug/kg dry	
2-Nitrophenol	88-75-5	364	<364	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	364	<364	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	182	<182	ug/kg dry	4.N
3-Nitroaniline	99-09-2	243	<243	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	364	<364	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	243	<243	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	243	<243	ug/kg dry	4.K
4-Chloroaniline	106-47-8	182	<182	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	243	<243	ug/kg dry	
4-Nitroaniline	100-01-6	364	<364	ug/kg dry	
4-Nitrophenol	100-02-7	364	<364	ug/kg dry	4.K
Acenaphthene	83-32-9	182	487	ug/kg dry	
Acenaphthene	83-32-9	243	487	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	182	218	ug/kg dry	
Acenaphthylene	208-96-8	182	218	ug/kg dry	
Aniline	62-53-3	243	<243	ug/kg dry	4.N
Anthracene	120-12-7	182	275	ug/kg dry	
Anthracene	120-12-7	243	275	ug/kg dry	
Benzidine	92-87-5	850	<850	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	182	425	ug/kg dry	
Benzo(a)anthracene	56-55-3	182	425	ug/kg dry	
Benzo(a)pyrene	50-32-8	182	428	ug/kg dry	
Benzo(a)pyrene	50-32-8	182	428	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	364	<364	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	364	<364	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	182	381	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	182	381	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	182	342	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	182	342	ug/kg dry	
Benzoic Acid	65-85-0	486	<486	ug/kg dry	4.N
Benzyl alcohol	100-51-6	486	<486	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	182	<182	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	182	<182	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	364	<364	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	364	<364	ug/kg dry	4.K
Carbazole	86-74-8	182	<182	ug/kg dry	
Chrysene	218-01-9	182	465	ug/kg dry	
Chrysene	218-01-9	243	465	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	182	<182	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	182	<182	ug/kg dry	
Dibenzofuran	132-64-9	243	<243	ug/kg dry	
Diethyl phthalate	84-66-2	243	<243	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	243	<243	ug/kg dry	
Di-n-butyl phthalate	84-74-2	364	<364	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	364	<364	ug/kg dry	4.K
Fluoranthene	206-44-0	182	752	ug/kg dry	
Fluoranthene	206-44-0	243	752	ug/kg dry	
Fluorene	86-73-7	182	345	ug/kg dry	
Fluorene	86-73-7	243	345	ug/kg dry	
Hexachlorobenzene	118-74-1	243	<243	ug/kg dry	
Hexachlorobutadiene	87-68-3	243	<243	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	364	<364	ug/kg dry	4.N
Hexachloroethane	67-72-1	182	<182	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	182	330	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	182	330	ug/kg dry	4.K
Isophorone	78-59-1	364	<364	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	243	<243	ug/kg dry	4.N
n-Decane	124-18-5	182	<182	ug/kg dry	
Nitrobenzene	98-95-3	243	<243	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	182	<182	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	182	<182	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	182	<182	ug/kg dry	
n-Octadecane	593-45-3	182	<182	ug/kg dry	
Parathion (ethyl)	56-38-2	364	<364	ug/kg dry	4.K
Pentachlorophenol	87-86-5	364	<364	ug/kg dry	
Phenanthrene	85-01-8	182	513	ug/kg dry	
Phenanthrene	85-01-8	243	513	ug/kg dry	
Phenol	108-95-2	182	<182	ug/kg dry	4.N
Pyrene	129-00-0	182	919	ug/kg dry	
Pyrene	129-00-0	243	919	ug/kg dry	
Pyridine	110-86-1	243	<243	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	88	28.3-111	
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	82	30.3-117	
Nitrobenzene-d5	4165-60-0	82	30.3-117	
Phenol-d6	13127-88-3	70	26.7-119	
Terphenyl-d14	1718-51-0	86	31.4-136	
Terphenyl-d14	1718-51-0	86	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	161	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	161	50-200	
Acenaphthene-d10	15067-26-2	139	50-200	
Acenaphthene-d10	15067-26-2	139	50-200	
Chrysene-d12	1719-03-5	145	50-200	
Chrysene-d12	1719-03-5	145	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Perylene-d12	1520-96-3	133	50-200	
Perylene-d12	1520-96-3	133	50-200	
Phenanthrene-d10	1517-22-2	143	50-200	
Phenanthrene-d10	1517-22-2	143	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06 % Solid:82.376
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.43	<2.43	ug/kg dry	
4,4'-DDE	72-55-9	2.43	<2.43	ug/kg dry	
4,4'-DDT	50-29-3	2.43	<2.43	ug/kg dry	
Aldrin	309-00-2	2.43	<2.43	ug/kg dry	
alpha-BHC	319-84-6	6.07	<6.07	ug/kg dry	
beta-BHC	319-85-7	6.07	<6.07	ug/kg dry	
cis-Chlordane	5103-71-9	6.07	<6.07	ug/kg dry	
delta-BHC	319-86-8	6.07	<6.07	ug/kg dry	
Dieldrin	60-57-1	2.43	<2.43	ug/kg dry	
Endosulfan I	959-98-8	6.07	<6.07	ug/kg dry	
Endosulfan II	33213-65-9	6.07	<6.07	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.07	<6.07	ug/kg dry	
Endrin	72-20-8	6.07	<6.07	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.07	<6.07	ug/kg dry	
Endrin Ketone	53494-70-5	6.07	<6.07	ug/kg dry	
gamma-BHC	58-89-9	6.07	<6.07	ug/kg dry	
Heptachlor	76-44-8	6.07	<6.07	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.07	<6.07	ug/kg dry	
Methoxychlor	72-43-5	6.07	<6.07	ug/kg dry	
Mirex	2385-85-5	6.07	<6.07	ug/kg dry	
Toxaphene	8001-35-2	121	<121	ug/kg dry	
trans-Chlordane	5103-74-2	6.07	<6.07	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	126	52.6-153	
Tetrachloro-m-xylene	877-09-8	108	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	80	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06	% Solid:82.376
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.7	<60.7	ug/kg dry	
Aroclor-1221	11104-28-2	60.7	<60.7	ug/kg dry	
Aroclor-1232	11141-16-5	60.7	<60.7	ug/kg dry	
Aroclor-1242	53469-21-9	60.7	<60.7	ug/kg dry	
Aroclor-1248	12672-29-6	60.7	<60.7	ug/kg dry	
Aroclor-1254	11097-69-1	60.7	<60.7	ug/kg dry	
Aroclor-1260	11096-82-5	60.7	<60.7	ug/kg dry	
Aroclor-1262	37324-23-5	60.7	<60.7	ug/kg dry	
Aroclor-1268	11100-14-4	60.7	<60.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	102	47.4-148	
Tetrachloro-m-xylene	877-09-8	91	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	131	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:10	Sample ID: 2	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-06	% Solid:82.376
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	240	9430	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	2.00	<2.00	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	2.00	<2.00	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	2.00	119	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.80	<0.80	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	2.00	<2.00	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	47.9	6700	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	2.00	22.5	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	2.00	7.52	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	2.00	33.3	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	240	16200	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	2.00	44.2	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	24.0	4350	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	2.00	223	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	2.00	14.6	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	240	4000	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.99	<3.99	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.50	<0.50	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	47.9	482	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	2.00	<2.00	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	2.00	33.6	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	2.00	136	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.605	<0.605	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.02	<0.02	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.21	<1.21	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.45	<5.45	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.45	<5.45	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.45	<5.45	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.45	<5.45	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.45	<5.45	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.45	<5.45	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.45	<5.45	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.45	<5.45	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.45	<5.45	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.45	<5.45	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.45	<5.45	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.45	<5.45	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.45	6.55	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.45	6.55	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.45	<5.45	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.45	<5.45	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.45	<5.45	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.45	<5.45	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.45	<5.45	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.45	<5.45	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.45	<5.45	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.45	<5.45	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.45	<5.45	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.45	<5.45	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.45	<5.45	ug/kg dry	2.B
1,4-Dioxane	123-91-1	27.2	<27.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.45	<5.45	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.45	<5.45	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.45	<5.45	ug/kg dry	
4-Chlorotoluene	106-43-4	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.45	<5.45	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.45	<5.45	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.45	<5.45	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.9	<10.9	ug/kg dry	
Acetone	67-64-1	21.8	26.8	ug/kg dry	4.S
Acrolein	107-02-8	10.9	<10.9	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.45	<5.45	ug/kg dry	
Benzene	71-43-2	5.45	<5.45	ug/kg dry	
Bromobenzene	108-86-1	5.45	<5.45	ug/kg dry	
Bromochloromethane	74-97-5	5.45	<5.45	ug/kg dry	
Bromodichloromethane	75-27-4	5.45	<5.45	ug/kg dry	
Bromoform	75-25-2	5.45	<5.45	ug/kg dry	
Bromomethane	74-83-9	5.45	<5.45	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.45	<5.45	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.45	<5.45	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.45	<5.45	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.45	<5.45	ug/kg dry	2.B
Chloroethane	75-00-3	5.45	<5.45	ug/kg dry	
Chloroform	67-66-3	5.45	<5.45	ug/kg dry	
Chloromethane	74-87-3	5.45	<5.45	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.45	<5.45	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.9	<10.9	ug/kg dry	
Dibromochloromethane	124-48-1	5.45	<5.45	ug/kg dry	
Dibromomethane	74-95-3	5.45	<5.45	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.45	<5.45	ug/kg dry	
Ethylbenzene	100-41-4	5.45	<5.45	ug/kg dry	
Ethylbenzene	100-41-4	5.45	<5.45	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.45	<5.45	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.45	<5.45	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Methyl Acetate	79-20-9	5.45	<5.45	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.9	<10.9	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.45	<5.45	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.45	<5.45	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.45	<5.45	ug/kg dry	
Naphthalene	91-20-3	10.9	37.7	ug/kg dry	
Naphthalene	91-20-3	10.9	37.7	ug/kg dry	
n-Butylbenzene	104-51-8	5.45	<5.45	ug/kg dry	
n-Butylbenzene	104-51-8	5.45	<5.45	ug/kg dry	
n-Propylbenzene	103-65-1	5.45	<5.45	ug/kg dry	
n-Propylbenzene	103-65-1	5.45	<5.45	ug/kg dry	
o-Xylene	95-47-6	5.45	5.62	ug/kg dry	
o-Xylene	95-47-6	5.45	5.62	ug/kg dry	
sec-Butylbenzene	135-98-8	5.45	<5.45	ug/kg dry	
sec-Butylbenzene	135-98-8	5.45	<5.45	ug/kg dry	
Styrene	100-42-5	5.45	<5.45	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.9	<10.9	ug/kg dry	
tert-Butylbenzene	98-06-6	5.45	<5.45	ug/kg dry	
tert-Butylbenzene	98-06-6	5.45	<5.45	ug/kg dry	
Tetrachloroethene	127-18-4	5.45	<5.45	ug/kg dry	
Toluene	108-88-3	5.45	<5.45	ug/kg dry	
Toluene	108-88-3	5.45	<5.45	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.45	<5.45	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.45	<5.45	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.45	<5.45	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.45	<5.45	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.45	<5.45	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
4-Bromofluorobenzene	460-00-4	109	76.1-131	
Dibromofluoromethane	1868-53-7	95	77.6-135	
Dibromofluoromethane	1868-53-7	95	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	107	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	107	50-200	
1,4-Difluorobenzene	540-36-3	112	50-200	
1,4-Difluorobenzene	540-36-3	112	50-200	
Chlorobenzene-d5	3114-55-4	112	50-200	
Chlorobenzene-d5	3114-55-4	112	50-200	
Pentafluorobenzene	363-72-4	114	50-200	
Pentafluorobenzene	363-72-4	114	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	174	<174	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	174	<174	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	174	<174	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	174	<174	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	232	<232	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	232	<232	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	232	<232	ug/kg dry	
2,4-Dichlorophenol	120-83-2	174	<174	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	174	<174	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	348	<348	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	232	<232	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	232	<232	ug/kg dry	
2-Chloronaphthalene	91-58-7	174	<174	ug/kg dry	4.N
2-Chlorophenol	95-57-8	174	<174	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	174	1910	ug/kg dry	4.N
2-Methylphenol	95-48-7	348	<348	ug/kg dry	4.N
2-Nitroaniline	88-74-4	348	<348	ug/kg dry	
2-Nitrophenol	88-75-5	348	<348	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	348	<348	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	174	<174	ug/kg dry	4.N
3-Nitroaniline	99-09-2	232	<232	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	348	<348	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	232	<232	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	232	<232	ug/kg dry	4.K
4-Chloroaniline	106-47-8	174	<174	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	232	<232	ug/kg dry	
4-Nitroaniline	100-01-6	348	<348	ug/kg dry	
4-Nitrophenol	100-02-7	348	<348	ug/kg dry	4.K
Acenaphthene	83-32-9	174	539	ug/kg dry	
Acenaphthene	83-32-9	232	539	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	174	597	ug/kg dry	
Acenaphthylene	208-96-8	174	597	ug/kg dry	
Aniline	62-53-3	232	<232	ug/kg dry	4.N
Anthracene	120-12-7	174	1720	ug/kg dry	
Anthracene	120-12-7	232	1720	ug/kg dry	
Benzidine	92-87-5	813	<813	ug/kg dry	4.N, 4.J
Benzo(a)anthracene	56-55-3	174	3470	ug/kg dry	
Benzo(a)anthracene	56-55-3	174	3470	ug/kg dry	
Benzo(a)pyrene	50-32-8	174	3580	ug/kg dry	
Benzo(a)pyrene	50-32-8	174	3580	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	348	3410	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	348	3410	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	174	2830	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	174	2830	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	174	2410	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	174	2410	ug/kg dry	
Benzoic Acid	65-85-0	465	<465	ug/kg dry	4.N
Benzyl alcohol	100-51-6	465	<465	ug/kg dry	4.N, 4.J
bis(2-Chloroethoxy)methane	111-91-1	174	<174	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	174	<174	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	348	349	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	348	<348	ug/kg dry	4.K
Carbazole	86-74-8	174	290	ug/kg dry	
Chrysene	218-01-9	174	4180	ug/kg dry	
Chrysene	218-01-9	232	4180	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	174	1340	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	174	1340	ug/kg dry	
Dibenzofuran	132-64-9	232	430	ug/kg dry	
Diethyl phthalate	84-66-2	232	<232	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	232	<232	ug/kg dry	
Di-n-butyl phthalate	84-74-2	348	<348	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	348	<348	ug/kg dry	4.K
Fluoranthene	206-44-0	174	6020	ug/kg dry	
Fluoranthene	206-44-0	232	6020	ug/kg dry	
Fluorene	86-73-7	174	1080	ug/kg dry	
Fluorene	86-73-7	232	1080	ug/kg dry	
Hexachlorobenzene	118-74-1	232	<232	ug/kg dry	
Hexachlorobutadiene	87-68-3	232	<232	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	348	<348	ug/kg dry	4.N
Hexachloroethane	67-72-1	174	<174	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	174	2490	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	174	2490	ug/kg dry	4.K
Isophorone	78-59-1	348	<348	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	232	1040	ug/kg dry	4.N
n-Decane	124-18-5	174	<174	ug/kg dry	
Nitrobenzene	98-95-3	232	<232	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	174	<174	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	174	<174	ug/kg dry	4.N, 4.K
N-Nitrosodiphenylamine	86-30-6	174	206	ug/kg dry	
n-Octadecane	593-45-3	174	<174	ug/kg dry	
Parathion (ethyl)	56-38-2	348	2320	ug/kg dry	4.K
Pentachlorophenol	87-86-5	348	<348	ug/kg dry	
Phenanthrene	85-01-8	174	4070	ug/kg dry	
Phenanthrene	85-01-8	232	4070	ug/kg dry	
Phenol	108-95-2	174	<174	ug/kg dry	4.N
Pyrene	129-00-0	174	6800	ug/kg dry	
Pyrene	129-00-0	232	6800	ug/kg dry	
Pyridine	110-86-1	232	<232	ug/kg dry	4.N, 4.J

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07 % Solid:86.107
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	57	28.3-111	
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorophenol	367-12-4	68	28.1-113	
Nitrobenzene-d5	4165-60-0	84	30.3-117	
Nitrobenzene-d5	4165-60-0	84	30.3-117	
Phenol-d6	13127-88-3	69	26.7-119	
Terphenyl-d14	1718-51-0	74	31.4-136	
Terphenyl-d14	1718-51-0	74	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	146	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	146	50-200	
Acenaphthene-d10	15067-26-2	137	50-200	
Acenaphthene-d10	15067-26-2	137	50-200	
Chrysene-d12	1719-03-5	130	50-200	
Chrysene-d12	1719-03-5	130	50-200	
Naphthalene-d8	1146-65-2	149	50-200	
Naphthalene-d8	1146-65-2	149	50-200	
Perylene-d12	1520-96-3	124	50-200	
Perylene-d12	1520-96-3	124	50-200	
Phenanthrene-d10	1517-22-2	130	50-200	
Phenanthrene-d10	1517-22-2	130	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07	% Solid:86.107
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.32	<2.32	ug/kg dry	
4,4'-DDE	72-55-9	2.32	<2.32	ug/kg dry	
4,4'-DDT	50-29-3	2.32	<2.32	ug/kg dry	
Aldrin	309-00-2	2.32	<2.32	ug/kg dry	
alpha-BHC	319-84-6	5.81	<5.81	ug/kg dry	
beta-BHC	319-85-7	5.81	<5.81	ug/kg dry	
cis-Chlordane	5103-71-9	5.81	<5.81	ug/kg dry	
delta-BHC	319-86-8	5.81	<5.81	ug/kg dry	
Dieldrin	60-57-1	2.32	<2.32	ug/kg dry	
Endosulfan I	959-98-8	5.81	<5.81	ug/kg dry	
Endosulfan II	33213-65-9	5.81	<5.81	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.81	<5.81	ug/kg dry	
Endrin	72-20-8	5.81	<5.81	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.81	<5.81	ug/kg dry	
Endrin Ketone	53494-70-5	5.81	<5.81	ug/kg dry	
gamma-BHC	58-89-9	5.81	<5.81	ug/kg dry	
Heptachlor	76-44-8	5.81	<5.81	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.81	<5.81	ug/kg dry	
Methoxychlor	72-43-5	5.81	<5.81	ug/kg dry	
Mirex	2385-85-5	5.81	<5.81	ug/kg dry	
Toxaphene	8001-35-2	116	<116	ug/kg dry	
trans-Chlordane	5103-74-2	5.81	<5.81	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	152	52.6-153	
Tetrachloro-m-xylene	877-09-8	134	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	85	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07	% Solid:86.107
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	58.1	<58.1	ug/kg dry	
Aroclor-1221	11104-28-2	58.1	<58.1	ug/kg dry	
Aroclor-1232	11141-16-5	58.1	<58.1	ug/kg dry	
Aroclor-1242	53469-21-9	58.1	<58.1	ug/kg dry	
Aroclor-1248	12672-29-6	58.1	<58.1	ug/kg dry	
Aroclor-1254	11097-69-1	58.1	<58.1	ug/kg dry	
Aroclor-1260	11096-82-5	58.1	<58.1	ug/kg dry	
Aroclor-1262	37324-23-5	58.1	<58.1	ug/kg dry	
Aroclor-1268	11100-14-4	58.1	<58.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	95	47.4-148	
Tetrachloro-m-xylene	877-09-8	101	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	165	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:15	Sample ID: 5	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-07	% Solid:86.107
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	222	13300	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.85	<1.85	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.85	<1.85	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.85	150	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.74	<0.74	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.85	<1.85	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	444	14100	mg/kg dry	3.E
Chromium	12/28/2022	EPA 6010 D	1.85	25.7	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.85	9.56	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.85	33.8	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	222	22400	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.85	24.3	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	222	9130	mg/kg dry	3.E, 4.J
Manganese	12/28/2022	EPA 6010 D	1.85	253	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.85	18.3	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	222	7660	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.69	<3.69	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.46	<0.46	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	44.4	829	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.85	2.37	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.85	35.3	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.85	92.7	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.585	<0.585	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	0.02	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.16	<1.16	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.89	<5.89	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.89	<5.89	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.89	<5.89	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.89	<5.89	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.89	<5.89	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.89	<5.89	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.89	<5.89	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.89	<5.89	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.89	<5.89	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.89	<5.89	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.89	<5.89	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.89	<5.89	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.89	<5.89	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.89	<5.89	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.89	<5.89	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.89	<5.89	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.89	<5.89	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.89	<5.89	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.89	<5.89	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.89	<5.89	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.89	<5.89	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.89	<5.89	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.89	<5.89	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.89	<5.89	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.89	<5.89	ug/kg dry	2.B
1,4-Dioxane	123-91-1	29.5	<29.5	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.89	<5.89	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.89	<5.89	ug/kg dry	4.M, 4.K
2-Chlorotoluene	95-49-8	5.89	<5.89	ug/kg dry	
4-Chlorotoluene	106-43-4	5.89	<5.89	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.89	<5.89	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.89	<5.89	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.89	<5.89	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.8	<11.8	ug/kg dry	
Acetone	67-64-1	23.6	<23.6	ug/kg dry	4.S
Acrolein	107-02-8	11.8	<11.8	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.8	<11.8	ug/kg dry	
Benzene	71-43-2	5.89	<5.89	ug/kg dry	
Benzene	71-43-2	5.89	<5.89	ug/kg dry	
Bromobenzene	108-86-1	5.89	<5.89	ug/kg dry	
Bromochloromethane	74-97-5	5.89	<5.89	ug/kg dry	
Bromodichloromethane	75-27-4	5.89	<5.89	ug/kg dry	
Bromoform	75-25-2	5.89	<5.89	ug/kg dry	
Bromomethane	74-83-9	5.89	<5.89	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.89	<5.89	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.89	<5.89	ug/kg dry	4.N, 4.J
Chlorobenzene	108-90-7	5.89	<5.89	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.89	<5.89	ug/kg dry	2.B
Chloroethane	75-00-3	5.89	<5.89	ug/kg dry	
Chloroform	67-66-3	5.89	<5.89	ug/kg dry	
Chloromethane	74-87-3	5.89	<5.89	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.89	<5.89	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.8	<11.8	ug/kg dry	
Dibromochloromethane	124-48-1	5.89	<5.89	ug/kg dry	
Dibromomethane	74-95-3	5.89	<5.89	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.89	<5.89	ug/kg dry	
Ethylbenzene	100-41-4	5.89	<5.89	ug/kg dry	
Ethylbenzene	100-41-4	5.89	<5.89	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.89	<5.89	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.89	<5.89	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.89	<5.89	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.8	<11.8	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.8	<11.8	ug/kg dry	
Methyl Acetate	79-20-9	5.89	<5.89	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.8	<11.8	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.8	<11.8	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.89	<5.89	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.89	<5.89	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.89	<5.89	ug/kg dry	
Naphthalene	91-20-3	11.8	<11.8	ug/kg dry	
Naphthalene	91-20-3	11.8	<11.8	ug/kg dry	
n-Butylbenzene	104-51-8	5.89	<5.89	ug/kg dry	
n-Butylbenzene	104-51-8	5.89	<5.89	ug/kg dry	
n-Propylbenzene	103-65-1	5.89	<5.89	ug/kg dry	
n-Propylbenzene	103-65-1	5.89	<5.89	ug/kg dry	
o-Xylene	95-47-6	5.89	<5.89	ug/kg dry	
o-Xylene	95-47-6	5.89	<5.89	ug/kg dry	
sec-Butylbenzene	135-98-8	5.89	<5.89	ug/kg dry	
sec-Butylbenzene	135-98-8	5.89	<5.89	ug/kg dry	
Styrene	100-42-5	5.89	<5.89	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.8	<11.8	ug/kg dry	
tert-Butylbenzene	98-06-6	5.89	<5.89	ug/kg dry	
tert-Butylbenzene	98-06-6	5.89	<5.89	ug/kg dry	
Tetrachloroethene	127-18-4	5.89	<5.89	ug/kg dry	
Toluene	108-88-3	5.89	<5.89	ug/kg dry	
Toluene	108-88-3	5.89	<5.89	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.89	<5.89	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.89	<5.89	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.89	<5.89	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.89	<5.89	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.89	<5.89	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.89	<5.89	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	92	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	92	72.1-142	
4-Bromofluorobenzene	460-00-4	110	76.1-131	
4-Bromofluorobenzene	460-00-4	110	76.1-131	
Dibromofluoromethane	1868-53-7	88	77.6-135	
Dibromofluoromethane	1868-53-7	88	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	108	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	108	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
Chlorobenzene-d5	3114-55-4	113	50-200	
Chlorobenzene-d5	3114-55-4	113	50-200	
Pentafluorobenzene	363-72-4	118	50-200	
Pentafluorobenzene	363-72-4	118	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	179	<179	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	179	<179	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	179	<179	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	179	<179	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	239	<239	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	239	<239	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	239	<239	ug/kg dry	
2,4-Dichlorophenol	120-83-2	179	<179	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	179	<179	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	359	<359	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	239	<239	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	239	<239	ug/kg dry	
2-Chloronaphthalene	91-58-7	179	<179	ug/kg dry	4.N
2-Chlorophenol	95-57-8	179	<179	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	179	<179	ug/kg dry	4.N
2-Methylphenol	95-48-7	359	<359	ug/kg dry	4.N
2-Nitroaniline	88-74-4	359	<359	ug/kg dry	
2-Nitrophenol	88-75-5	359	<359	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	359	<359	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	179	<179	ug/kg dry	4.N
3-Nitroaniline	99-09-2	239	<239	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	359	<359	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	239	<239	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	239	<239	ug/kg dry	4.K
4-Chloroaniline	106-47-8	179	<179	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	239	<239	ug/kg dry	
4-Nitroaniline	100-01-6	359	<359	ug/kg dry	
4-Nitrophenol	100-02-7	359	<359	ug/kg dry	4.K
Acenaphthene	83-32-9	179	204	ug/kg dry	
Acenaphthene	83-32-9	239	<239	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	179	<179	ug/kg dry	
Acenaphthylene	208-96-8	179	<179	ug/kg dry	
Aniline	62-53-3	239	<239	ug/kg dry	4.N
Anthracene	120-12-7	179	310	ug/kg dry	
Anthracene	120-12-7	239	310	ug/kg dry	
Benzidine	92-87-5	837	<837	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	179	510	ug/kg dry	
Benzo(a)anthracene	56-55-3	179	510	ug/kg dry	
Benzo(a)pyrene	50-32-8	179	471	ug/kg dry	
Benzo(a)pyrene	50-32-8	179	471	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	359	388	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	359	388	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	179	367	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	179	367	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	179	415	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	179	415	ug/kg dry	
Benzoic Acid	65-85-0	478	<478	ug/kg dry	4.N
Benzyl alcohol	100-51-6	478	<478	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	179	<179	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	179	<179	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	359	<359	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	359	<359	ug/kg dry	4.K
Carbazole	86-74-8	179	<179	ug/kg dry	
Chrysene	218-01-9	179	567	ug/kg dry	
Chrysene	218-01-9	239	567	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	179	<179	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	179	<179	ug/kg dry	
Dibenzofuran	132-64-9	239	<239	ug/kg dry	
Diethyl phthalate	84-66-2	239	<239	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	239	<239	ug/kg dry	
Di-n-butyl phthalate	84-74-2	359	<359	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	359	<359	ug/kg dry	4.K
Fluoranthene	206-44-0	179	1120	ug/kg dry	
Fluoranthene	206-44-0	239	1120	ug/kg dry	
Fluorene	86-73-7	179	225	ug/kg dry	
Fluorene	86-73-7	239	<239	ug/kg dry	
Hexachlorobenzene	118-74-1	239	<239	ug/kg dry	
Hexachlorobutadiene	87-68-3	239	<239	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	359	<359	ug/kg dry	4.N
Hexachloroethane	67-72-1	179	<179	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	179	332	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	179	332	ug/kg dry	4.K
Isophorone	78-59-1	359	<359	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	239	<239	ug/kg dry	4.N
n-Decane	124-18-5	179	<179	ug/kg dry	
Nitrobenzene	98-95-3	239	<239	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	179	<179	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	179	<179	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	179	<179	ug/kg dry	
n-Octadecane	593-45-3	179	<179	ug/kg dry	
Parathion (ethyl)	56-38-2	359	<359	ug/kg dry	4.K
Pentachlorophenol	87-86-5	359	<359	ug/kg dry	
Phenanthrene	85-01-8	179	970	ug/kg dry	
Phenanthrene	85-01-8	239	970	ug/kg dry	
Phenol	108-95-2	179	<179	ug/kg dry	4.N
Pyrene	129-00-0	179	1060	ug/kg dry	
Pyrene	129-00-0	239	1060	ug/kg dry	
Pyridine	110-86-1	239	<239	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	44	28.3-111	
2-Fluorobiphenyl	321-60-8	56	30.1-118	
2-Fluorobiphenyl	321-60-8	56	30.1-118	
2-Fluorophenol	367-12-4	53	28.1-113	
Nitrobenzene-d5	4165-60-0	69	30.3-117	
Nitrobenzene-d5	4165-60-0	69	30.3-117	
Phenol-d6	13127-88-3	56	26.7-119	
Terphenyl-d14	1718-51-0	57	31.4-136	
Terphenyl-d14	1718-51-0	57	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	144	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	144	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Acenaphthene-d10	15067-26-2	140	50-200	
Chrysene-d12	1719-03-5	125	50-200	
Chrysene-d12	1719-03-5	125	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Perylene-d12	1520-96-3	113	50-200	
Perylene-d12	1520-96-3	113	50-200	
Phenanthrene-d10	1517-22-2	129	50-200	
Phenanthrene-d10	1517-22-2	129	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08 % Solid:83.659
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.39	<2.39	ug/kg dry	
4,4'-DDE	72-55-9	2.39	<2.39	ug/kg dry	
4,4'-DDT	50-29-3	2.39	<2.39	ug/kg dry	
Aldrin	309-00-2	2.39	<2.39	ug/kg dry	
alpha-BHC	319-84-6	5.98	<5.98	ug/kg dry	
beta-BHC	319-85-7	5.98	<5.98	ug/kg dry	
cis-Chlordane	5103-71-9	5.98	<5.98	ug/kg dry	
delta-BHC	319-86-8	5.98	<5.98	ug/kg dry	
Dieldrin	60-57-1	2.39	<2.39	ug/kg dry	
Endosulfan I	959-98-8	5.98	<5.98	ug/kg dry	
Endosulfan II	33213-65-9	5.98	<5.98	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.98	<5.98	ug/kg dry	
Endrin	72-20-8	5.98	<5.98	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.98	<5.98	ug/kg dry	
Endrin Ketone	53494-70-5	5.98	<5.98	ug/kg dry	
gamma-BHC	58-89-9	5.98	<5.98	ug/kg dry	
Heptachlor	76-44-8	5.98	<5.98	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.98	<5.98	ug/kg dry	
Methoxychlor	72-43-5	5.98	<5.98	ug/kg dry	
Mirex	2385-85-5	5.98	<5.98	ug/kg dry	
Toxaphene	8001-35-2	120	<120	ug/kg dry	
trans-Chlordane	5103-74-2	5.98	<5.98	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	148	52.6-153	
Tetrachloro-m-xylene	877-09-8	130	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	88	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08	% Solid:83.659
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	59.8	<59.8	ug/kg dry	
Aroclor-1221	11104-28-2	59.8	<59.8	ug/kg dry	
Aroclor-1232	11141-16-5	59.8	<59.8	ug/kg dry	
Aroclor-1242	53469-21-9	59.8	<59.8	ug/kg dry	
Aroclor-1248	12672-29-6	59.8	<59.8	ug/kg dry	
Aroclor-1254	11097-69-1	59.8	<59.8	ug/kg dry	
Aroclor-1260	11096-82-5	59.8	<59.8	ug/kg dry	
Aroclor-1262	37324-23-5	59.8	<59.8	ug/kg dry	
Aroclor-1268	11100-14-4	59.8	<59.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	107	47.4-148	
Tetrachloro-m-xylene	877-09-8	110	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	131	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:20	Sample ID: E	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-08	% Solid:83.659
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	226	13100	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.88	<1.88	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.88	<1.88	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.88	148	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.76	<0.76	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.88	<1.88	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	45.1	4890	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.88	26.7	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.88	9.47	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.88	33.6	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	226	22200	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.88	30.5	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	22.6	4390	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.88	263	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.88	17.3	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	226	6930	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.76	<3.76	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.47	<0.47	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	45.1	925	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.88	2.33	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.88	35.7	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.88	113	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.592	<0.592	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.02	0.03	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.17	<1.17	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.86	<5.86	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.86	<5.86	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.86	<5.86	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.86	<5.86	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.86	<5.86	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.86	<5.86	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.86	<5.86	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.86	<5.86	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.86	<5.86	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.86	<5.86	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.86	<5.86	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.86	<5.86	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.86	<5.86	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.86	<5.86	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.86	<5.86	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.86	<5.86	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.86	<5.86	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.86	<5.86	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.86	<5.86	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.86	<5.86	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.86	<5.86	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.86	<5.86	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.86	<5.86	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.86	<5.86	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.86	<5.86	ug/kg dry	2.B
1,4-Dioxane	123-91-1	29.3	<29.3	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.86	<5.86	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.86	<5.86	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.86	<5.86	ug/kg dry	
4-Chlorotoluene	106-43-4	5.86	<5.86	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.86	<5.86	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.86	<5.86	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.86	<5.86	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.7	<11.7	ug/kg dry	
Acetone	67-64-1	23.4	76.4	ug/kg dry	4.S
Acrolein	107-02-8	11.7	<11.7	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.7	<11.7	ug/kg dry	
Benzene	71-43-2	5.86	<5.86	ug/kg dry	
Benzene	71-43-2	5.86	<5.86	ug/kg dry	
Bromobenzene	108-86-1	5.86	<5.86	ug/kg dry	
Bromochloromethane	74-97-5	5.86	<5.86	ug/kg dry	
Bromodichloromethane	75-27-4	5.86	<5.86	ug/kg dry	
Bromoform	75-25-2	5.86	<5.86	ug/kg dry	
Bromomethane	74-83-9	5.86	<5.86	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.86	<5.86	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.86	<5.86	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.86	<5.86	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.86	<5.86	ug/kg dry	2.B
Chloroethane	75-00-3	5.86	<5.86	ug/kg dry	
Chloroform	67-66-3	5.86	<5.86	ug/kg dry	
Chloromethane	74-87-3	5.86	<5.86	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.86	<5.86	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.7	<11.7	ug/kg dry	
Dibromochloromethane	124-48-1	5.86	<5.86	ug/kg dry	
Dibromomethane	74-95-3	5.86	<5.86	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.86	<5.86	ug/kg dry	
Ethylbenzene	100-41-4	5.86	<5.86	ug/kg dry	
Ethylbenzene	100-41-4	5.86	<5.86	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.86	<5.86	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.86	<5.86	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.86	<5.86	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.7	<11.7	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.7	<11.7	ug/kg dry	
Methyl Acetate	79-20-9	5.86	<5.86	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.7	<11.7	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.7	<11.7	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.86	<5.86	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.86	<5.86	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.86	<5.86	ug/kg dry	
Naphthalene	91-20-3	11.7	<11.7	ug/kg dry	
Naphthalene	91-20-3	11.7	<11.7	ug/kg dry	
n-Butylbenzene	104-51-8	5.86	<5.86	ug/kg dry	
n-Butylbenzene	104-51-8	5.86	<5.86	ug/kg dry	
n-Propylbenzene	103-65-1	5.86	<5.86	ug/kg dry	
n-Propylbenzene	103-65-1	5.86	<5.86	ug/kg dry	
o-Xylene	95-47-6	5.86	<5.86	ug/kg dry	
o-Xylene	95-47-6	5.86	<5.86	ug/kg dry	
sec-Butylbenzene	135-98-8	5.86	<5.86	ug/kg dry	
sec-Butylbenzene	135-98-8	5.86	<5.86	ug/kg dry	
Styrene	100-42-5	5.86	<5.86	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.7	<11.7	ug/kg dry	
tert-Butylbenzene	98-06-6	5.86	<5.86	ug/kg dry	
tert-Butylbenzene	98-06-6	5.86	<5.86	ug/kg dry	
Tetrachloroethene	127-18-4	5.86	<5.86	ug/kg dry	
Toluene	108-88-3	5.86	<5.86	ug/kg dry	
Toluene	108-88-3	5.86	<5.86	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.86	<5.86	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.86	<5.86	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.86	<5.86	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.86	<5.86	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.86	<5.86	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.86	<5.86	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	93	72.1-142	
4-Bromofluorobenzene	460-00-4	107	76.1-131	
4-Bromofluorobenzene	460-00-4	107	76.1-131	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	115	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	115	50-200	
1,4-Difluorobenzene	540-36-3	115	50-200	
1,4-Difluorobenzene	540-36-3	115	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Chlorobenzene-d5	3114-55-4	116	50-200	
Pentafluorobenzene	363-72-4	117	50-200	
Pentafluorobenzene	363-72-4	117	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	181	<181	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	181	<181	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	181	<181	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	181	<181	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	241	<241	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	241	<241	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	241	<241	ug/kg dry	
2,4-Dichlorophenol	120-83-2	181	<181	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	181	<181	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	362	<362	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	241	<241	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	241	<241	ug/kg dry	
2-Chloronaphthalene	91-58-7	181	<181	ug/kg dry	4.N
2-Chlorophenol	95-57-8	181	<181	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	181	<181	ug/kg dry	4.N
2-Methylphenol	95-48-7	362	<362	ug/kg dry	4.N
2-Nitroaniline	88-74-4	362	<362	ug/kg dry	
2-Nitrophenol	88-75-5	362	<362	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	362	<362	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	181	<181	ug/kg dry	4.N
3-Nitroaniline	99-09-2	241	<241	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	362	<362	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	241	<241	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	241	<241	ug/kg dry	4.K
4-Chloroaniline	106-47-8	181	<181	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	241	<241	ug/kg dry	
4-Nitroaniline	100-01-6	362	<362	ug/kg dry	
4-Nitrophenol	100-02-7	362	<362	ug/kg dry	4.K
Acenaphthene	83-32-9	181	281	ug/kg dry	
Acenaphthene	83-32-9	241	281	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Aniline	62-53-3	241	<241	ug/kg dry	4.N
Anthracene	120-12-7	181	395	ug/kg dry	
Anthracene	120-12-7	241	395	ug/kg dry	
Benzidine	92-87-5	845	<845	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	181	801	ug/kg dry	
Benzo(a)anthracene	56-55-3	181	801	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	833	ug/kg dry	
Benzo(a)pyrene	50-32-8	181	833	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	362	694	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	362	694	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	181	704	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	181	704	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	181	736	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	181	736	ug/kg dry	
Benzoic Acid	65-85-0	483	<483	ug/kg dry	4.N
Benzyl alcohol	100-51-6	483	<483	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	181	<181	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	181	<181	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	362	<362	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	362	<362	ug/kg dry	4.K
Carbazole	86-74-8	181	<181	ug/kg dry	
Chrysene	218-01-9	181	898	ug/kg dry	
Chrysene	218-01-9	241	898	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	311	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	311	ug/kg dry	
Dibenzofuran	132-64-9	241	<241	ug/kg dry	
Diethyl phthalate	84-66-2	241	<241	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	241	<241	ug/kg dry	
Di-n-butyl phthalate	84-74-2	362	<362	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	362	<362	ug/kg dry	4.K
Fluoranthene	206-44-0	181	1680	ug/kg dry	
Fluoranthene	206-44-0	241	1680	ug/kg dry	
Fluorene	86-73-7	181	293	ug/kg dry	
Fluorene	86-73-7	241	293	ug/kg dry	
Hexachlorobenzene	118-74-1	241	<241	ug/kg dry	
Hexachlorobutadiene	87-68-3	241	<241	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	362	<362	ug/kg dry	4.N
Hexachloroethane	67-72-1	181	<181	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	4.K
Isophorone	78-59-1	362	<362	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	241	<241	ug/kg dry	4.N
n-Decane	124-18-5	181	<181	ug/kg dry	
Nitrobenzene	98-95-3	241	<241	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	181	<181	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	181	<181	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	181	<181	ug/kg dry	
n-Octadecane	593-45-3	181	<181	ug/kg dry	
Parathion (ethyl)	56-38-2	362	<362	ug/kg dry	4.K
Pentachlorophenol	87-86-5	362	<362	ug/kg dry	
Phenanthrene	85-01-8	181	1310	ug/kg dry	
Phenanthrene	85-01-8	241	1310	ug/kg dry	
Phenol	108-95-2	181	<181	ug/kg dry	4.N
Pyrene	129-00-0	181	1570	ug/kg dry	
Pyrene	129-00-0	241	1570	ug/kg dry	
Pyridine	110-86-1	241	<241	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09 % Solid:82.848
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	43	28.3-111	
2-Fluorobiphenyl	321-60-8	60	30.1-118	
2-Fluorobiphenyl	321-60-8	60	30.1-118	
2-Fluorophenol	367-12-4	59	28.1-113	
Nitrobenzene-d5	4165-60-0	77	30.3-117	
Nitrobenzene-d5	4165-60-0	77	30.3-117	
Phenol-d6	13127-88-3	62	26.7-119	
Terphenyl-d14	1718-51-0	65	31.4-136	
Terphenyl-d14	1718-51-0	65	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	149	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	149	50-200	
Acenaphthene-d10	15067-26-2	141	50-200	
Acenaphthene-d10	15067-26-2	141	50-200	
Chrysene-d12	1719-03-5	128	50-200	
Chrysene-d12	1719-03-5	128	50-200	
Naphthalene-d8	1146-65-2	155	50-200	
Naphthalene-d8	1146-65-2	155	50-200	
Perylene-d12	1520-96-3	116	50-200	
Perylene-d12	1520-96-3	116	50-200	
Phenanthrene-d10	1517-22-2	132	50-200	
Phenanthrene-d10	1517-22-2	132	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09	% Solid:82.848
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.41	<2.41	ug/kg dry	
4,4'-DDE	72-55-9	2.41	<2.41	ug/kg dry	
4,4'-DDT	50-29-3	2.41	<2.41	ug/kg dry	
Aldrin	309-00-2	2.41	<2.41	ug/kg dry	
alpha-BHC	319-84-6	6.04	<6.04	ug/kg dry	
beta-BHC	319-85-7	6.04	<6.04	ug/kg dry	
cis-Chlordane	5103-71-9	6.04	<6.04	ug/kg dry	
delta-BHC	319-86-8	6.04	<6.04	ug/kg dry	
Dieldrin	60-57-1	2.41	<2.41	ug/kg dry	
Endosulfan I	959-98-8	6.04	<6.04	ug/kg dry	
Endosulfan II	33213-65-9	6.04	<6.04	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.04	<6.04	ug/kg dry	
Endrin	72-20-8	6.04	<6.04	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.04	<6.04	ug/kg dry	
Endrin Ketone	53494-70-5	6.04	<6.04	ug/kg dry	
gamma-BHC	58-89-9	6.04	<6.04	ug/kg dry	
Heptachlor	76-44-8	6.04	<6.04	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.04	<6.04	ug/kg dry	
Methoxychlor	72-43-5	6.04	<6.04	ug/kg dry	
Mirex	2385-85-5	6.04	<6.04	ug/kg dry	
Toxaphene	8001-35-2	121	<121	ug/kg dry	
trans-Chlordane	5103-74-2	6.04	<6.04	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	132	52.6-153	
Tetrachloro-m-xylene	877-09-8	110	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	86	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09	% Solid:82.848
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	60.4	<60.4	ug/kg dry	
Aroclor-1221	11104-28-2	60.4	<60.4	ug/kg dry	
Aroclor-1232	11141-16-5	60.4	<60.4	ug/kg dry	
Aroclor-1242	53469-21-9	60.4	<60.4	ug/kg dry	
Aroclor-1248	12672-29-6	60.4	<60.4	ug/kg dry	
Aroclor-1254	11097-69-1	60.4	<60.4	ug/kg dry	
Aroclor-1260	11096-82-5	60.4	<60.4	ug/kg dry	
Aroclor-1262	37324-23-5	60.4	<60.4	ug/kg dry	
Aroclor-1268	11100-14-4	60.4	<60.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	141	47.4-148	
Tetrachloro-m-xylene	877-09-8	141	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	118	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:25	Sample ID: 3	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-09	% Solid:82.848
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	229	11600	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.91	<1.91	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.91	<1.91	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.91	126	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.77	<0.77	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.91	<1.91	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	45.8	2980	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.91	25.1	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.91	9.48	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.91	24.0	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	229	20800	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.91	16.3	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	22.9	3550	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	19.1	610	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.91	17.1	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	229	5640	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.82	<3.82	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.48	<0.48	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	45.8	651	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.91	2.06	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.91	33.5	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.91	57.1	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.602	<0.602	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/27/2022	EPA 7471 B	0.02	<0.02	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.18	<1.18	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.44	<5.44	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.44	<5.44	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.44	<5.44	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.44	<5.44	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.44	<5.44	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.44	<5.44	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.44	<5.44	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.44	<5.44	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.44	<5.44	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.44	<5.44	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.44	<5.44	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.44	<5.44	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.44	<5.44	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.44	<5.44	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.44	<5.44	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.44	<5.44	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.44	<5.44	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.44	<5.44	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.44	<5.44	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.44	<5.44	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.44	<5.44	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.44	<5.44	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.44	<5.44	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.44	<5.44	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.44	<5.44	ug/kg dry	2.B
1,4-Dioxane	123-91-1	27.2	<27.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.44	<5.44	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.44	<5.44	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.44	<5.44	ug/kg dry	
4-Chlorotoluene	106-43-4	5.44	<5.44	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.44	<5.44	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.44	<5.44	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.44	<5.44	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.9	<10.9	ug/kg dry	
Acetone	67-64-1	21.8	<21.8	ug/kg dry	4.S
Acrolein	107-02-8	10.9	<10.9	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.44	<5.44	ug/kg dry	
Benzene	71-43-2	5.44	<5.44	ug/kg dry	
Bromobenzene	108-86-1	5.44	<5.44	ug/kg dry	
Bromochloromethane	74-97-5	5.44	<5.44	ug/kg dry	
Bromodichloromethane	75-27-4	5.44	<5.44	ug/kg dry	
Bromoform	75-25-2	5.44	<5.44	ug/kg dry	
Bromomethane	74-83-9	5.44	<5.44	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.44	<5.44	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.44	<5.44	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.44	<5.44	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.44	<5.44	ug/kg dry	2.B
Chloroethane	75-00-3	5.44	<5.44	ug/kg dry	
Chloroform	67-66-3	5.44	<5.44	ug/kg dry	
Chloromethane	74-87-3	5.44	<5.44	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.44	<5.44	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.9	<10.9	ug/kg dry	
Dibromochloromethane	124-48-1	5.44	<5.44	ug/kg dry	
Dibromomethane	74-95-3	5.44	<5.44	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.44	<5.44	ug/kg dry	
Ethylbenzene	100-41-4	5.44	<5.44	ug/kg dry	
Ethylbenzene	100-41-4	5.44	<5.44	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.44	<5.44	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.44	<5.44	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.44	<5.44	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Methyl Acetate	79-20-9	5.44	<5.44	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.9	<10.9	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.44	<5.44	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.44	<5.44	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.44	<5.44	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
n-Butylbenzene	104-51-8	5.44	<5.44	ug/kg dry	
n-Butylbenzene	104-51-8	5.44	<5.44	ug/kg dry	
n-Propylbenzene	103-65-1	5.44	<5.44	ug/kg dry	
n-Propylbenzene	103-65-1	5.44	<5.44	ug/kg dry	
o-Xylene	95-47-6	5.44	<5.44	ug/kg dry	
o-Xylene	95-47-6	5.44	<5.44	ug/kg dry	
sec-Butylbenzene	135-98-8	5.44	<5.44	ug/kg dry	
sec-Butylbenzene	135-98-8	5.44	<5.44	ug/kg dry	
Styrene	100-42-5	5.44	<5.44	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.9	<10.9	ug/kg dry	
tert-Butylbenzene	98-06-6	5.44	<5.44	ug/kg dry	
tert-Butylbenzene	98-06-6	5.44	<5.44	ug/kg dry	
Tetrachloroethene	127-18-4	5.44	<5.44	ug/kg dry	
Toluene	108-88-3	5.44	<5.44	ug/kg dry	
Toluene	108-88-3	5.44	<5.44	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.44	<5.44	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.44	<5.44	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.44	<5.44	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.44	<5.44	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.44	<5.44	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.44	<5.44	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	94	72.1-142	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	100	77.8-124	
Toluene-d8	2037-26-5	100	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	117	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	117	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
1,4-Difluorobenzene	540-36-3	114	50-200	
Chlorobenzene-d5	3114-55-4	115	50-200	
Chlorobenzene-d5	3114-55-4	115	50-200	
Pentafluorobenzene	363-72-4	115	50-200	
Pentafluorobenzene	363-72-4	115	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	167	<167	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	167	<167	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	167	<167	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	167	<167	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	223	<223	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	223	<223	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	223	<223	ug/kg dry	
2,4-Dichlorophenol	120-83-2	167	<167	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	167	<167	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	334	<334	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	223	<223	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	223	<223	ug/kg dry	
2-Chloronaphthalene	91-58-7	167	<167	ug/kg dry	4.N
2-Chlorophenol	95-57-8	167	<167	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	167	<167	ug/kg dry	4.N
2-Methylphenol	95-48-7	334	<334	ug/kg dry	4.N
2-Nitroaniline	88-74-4	334	<334	ug/kg dry	
2-Nitrophenol	88-75-5	334	<334	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	334	<334	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	167	<167	ug/kg dry	4.N
3-Nitroaniline	99-09-2	223	<223	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	334	<334	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	223	<223	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	223	<223	ug/kg dry	4.K
4-Chloroaniline	106-47-8	167	<167	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	223	<223	ug/kg dry	
4-Nitroaniline	100-01-6	334	<334	ug/kg dry	
4-Nitrophenol	100-02-7	334	<334	ug/kg dry	4.K
Acenaphthene	83-32-9	167	369	ug/kg dry	
Acenaphthene	83-32-9	223	369	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	167	385	ug/kg dry	
Acenaphthylene	208-96-8	167	385	ug/kg dry	
Aniline	62-53-3	223	<223	ug/kg dry	4.N
Anthracene	120-12-7	167	412	ug/kg dry	
Anthracene	120-12-7	223	412	ug/kg dry	
Benzidine	92-87-5	780	<780	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	167	1040	ug/kg dry	
Benzo(a)anthracene	56-55-3	167	1040	ug/kg dry	
Benzo(a)pyrene	50-32-8	167	1260	ug/kg dry	
Benzo(a)pyrene	50-32-8	167	1260	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	334	1050	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	334	1050	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	167	980	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	167	980	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	167	1070	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	167	1070	ug/kg dry	
Benzoic Acid	65-85-0	446	<446	ug/kg dry	4.N
Benzyl alcohol	100-51-6	446	<446	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	167	<167	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	167	<167	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	334	<334	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	334	<334	ug/kg dry	4.K
Carbazole	86-74-8	167	<167	ug/kg dry	
Chrysene	218-01-9	167	1220	ug/kg dry	
Chrysene	218-01-9	223	1220	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	167	406	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	167	406	ug/kg dry	
Dibenzofuran	132-64-9	223	307	ug/kg dry	
Diethyl phthalate	84-66-2	223	<223	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	223	<223	ug/kg dry	
Di-n-butyl phthalate	84-74-2	334	<334	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	334	<334	ug/kg dry	4.K
Fluoranthene	206-44-0	167	2050	ug/kg dry	
Fluoranthene	206-44-0	223	2050	ug/kg dry	
Fluorene	86-73-7	167	349	ug/kg dry	
Fluorene	86-73-7	223	349	ug/kg dry	
Hexachlorobenzene	118-74-1	223	<223	ug/kg dry	
Hexachlorobutadiene	87-68-3	223	<223	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	334	<334	ug/kg dry	4.N
Hexachloroethane	67-72-1	167	<167	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	167	860	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	167	860	ug/kg dry	4.K
Isophorone	78-59-1	334	<334	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	223	397	ug/kg dry	4.N
n-Decane	124-18-5	167	<167	ug/kg dry	
Nitrobenzene	98-95-3	223	<223	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	167	<167	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	167	<167	ug/kg dry	4.N, 4.K
N-Nitrosodiphenylamine	86-30-6	167	<167	ug/kg dry	
n-Octadecane	593-45-3	167	<167	ug/kg dry	
Parathion (ethyl)	56-38-2	334	<334	ug/kg dry	4.K
Pentachlorophenol	87-86-5	334	<334	ug/kg dry	
Phenanthrene	85-01-8	167	1280	ug/kg dry	
Phenanthrene	85-01-8	223	1280	ug/kg dry	
Phenol	108-95-2	167	<167	ug/kg dry	4.N
Pyrene	129-00-0	167	2000	ug/kg dry	
Pyrene	129-00-0	223	2000	ug/kg dry	
Pyridine	110-86-1	223	<223	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	52	28.3-111	
2-Fluorobiphenyl	321-60-8	69	30.1-118	
2-Fluorobiphenyl	321-60-8	69	30.1-118	
2-Fluorophenol	367-12-4	68	28.1-113	
Nitrobenzene-d5	4165-60-0	89	30.3-117	
Nitrobenzene-d5	4165-60-0	89	30.3-117	
Phenol-d6	13127-88-3	70	26.7-119	
Terphenyl-d14	1718-51-0	72	31.4-136	
Terphenyl-d14	1718-51-0	72	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	153	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	153	50-200	
Acenaphthene-d10	15067-26-2	136	50-200	
Acenaphthene-d10	15067-26-2	136	50-200	
Chrysene-d12	1719-03-5	126	50-200	
Chrysene-d12	1719-03-5	126	50-200	
Naphthalene-d8	1146-65-2	157	50-200	
Naphthalene-d8	1146-65-2	157	50-200	
Perylene-d12	1520-96-3	116	50-200	
Perylene-d12	1520-96-3	116	50-200	
Phenanthrene-d10	1517-22-2	131	50-200	
Phenanthrene-d10	1517-22-2	131	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10 % Solid:89.766
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.23	<2.23	ug/kg dry	
4,4'-DDE	72-55-9	2.23	<2.23	ug/kg dry	
4,4'-DDT	50-29-3	2.23	<2.23	ug/kg dry	
Aldrin	309-00-2	2.23	<2.23	ug/kg dry	
alpha-BHC	319-84-6	5.57	<5.57	ug/kg dry	
beta-BHC	319-85-7	5.57	<5.57	ug/kg dry	
cis-Chlordane	5103-71-9	5.57	<5.57	ug/kg dry	
delta-BHC	319-86-8	5.57	<5.57	ug/kg dry	
Dieldrin	60-57-1	2.23	<2.23	ug/kg dry	
Endosulfan I	959-98-8	5.57	<5.57	ug/kg dry	
Endosulfan II	33213-65-9	5.57	<5.57	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.57	<5.57	ug/kg dry	
Endrin	72-20-8	5.57	<5.57	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.57	<5.57	ug/kg dry	
Endrin Ketone	53494-70-5	5.57	<5.57	ug/kg dry	
gamma-BHC	58-89-9	5.57	<5.57	ug/kg dry	
Heptachlor	76-44-8	5.57	<5.57	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.57	<5.57	ug/kg dry	
Methoxychlor	72-43-5	5.57	<5.57	ug/kg dry	
Mirex	2385-85-5	5.57	<5.57	ug/kg dry	
Toxaphene	8001-35-2	111	<111	ug/kg dry	
trans-Chlordane	5103-74-2	5.57	<5.57	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	142	52.6-153	
Tetrachloro-m-xylene	877-09-8	121	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10	% Solid:89.766
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	55.7	<55.7	ug/kg dry	
Aroclor-1221	11104-28-2	55.7	<55.7	ug/kg dry	
Aroclor-1232	11141-16-5	55.7	<55.7	ug/kg dry	
Aroclor-1242	53469-21-9	55.7	<55.7	ug/kg dry	
Aroclor-1248	12672-29-6	55.7	<55.7	ug/kg dry	
Aroclor-1254	11097-69-1	55.7	<55.7	ug/kg dry	
Aroclor-1260	11096-82-5	55.7	<55.7	ug/kg dry	
Aroclor-1262	37324-23-5	55.7	<55.7	ug/kg dry	
Aroclor-1268	11100-14-4	55.7	<55.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	140	47.4-148	
Tetrachloro-m-xylene	877-09-8	144	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	129	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 13:30	Sample ID: 6	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-10	% Solid:89.766
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	200	16300	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.67	<1.67	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.67	232	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.67	<1.67	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	40.0	493	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.67	31.2	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.67	14.4	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.67	22.0	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	200	24800	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.67	15.2	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	20.0	6190	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.67	199	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.67	26.2	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	200	11400	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.42	<0.42	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	40.0	1460	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.67	3.76	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.67	38.4	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.67	88.2	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.555	<0.555	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.10	<1.10	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.45	<5.45	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.45	<5.45	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.45	<5.45	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.45	<5.45	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.45	<5.45	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.45	<5.45	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.45	<5.45	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.45	<5.45	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.45	<5.45	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.45	<5.45	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.45	<5.45	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.45	<5.45	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.45	<5.45	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.45	<5.45	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.45	<5.45	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.45	<5.45	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.45	<5.45	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.45	<5.45	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.45	<5.45	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.45	<5.45	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.45	<5.45	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.45	<5.45	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.45	<5.45	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.45	<5.45	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.45	<5.45	ug/kg dry	2.B
1,4-Dioxane	123-91-1	27.2	<27.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.45	<5.45	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.45	<5.45	ug/kg dry	4.M, 4.K
2-Chlorotoluene	95-49-8	5.45	<5.45	ug/kg dry	
4-Chlorotoluene	106-43-4	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.45	<5.45	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.45	<5.45	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.45	<5.45	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.9	<10.9	ug/kg dry	
Acetone	67-64-1	21.8	<21.8	ug/kg dry	4.S
Acrolein	107-02-8	10.9	<10.9	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.45	<5.45	ug/kg dry	
Benzene	71-43-2	5.45	<5.45	ug/kg dry	
Bromobenzene	108-86-1	5.45	<5.45	ug/kg dry	
Bromochloromethane	74-97-5	5.45	<5.45	ug/kg dry	
Bromodichloromethane	75-27-4	5.45	<5.45	ug/kg dry	
Bromoform	75-25-2	5.45	<5.45	ug/kg dry	
Bromomethane	74-83-9	5.45	<5.45	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.45	<5.45	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.45	<5.45	ug/kg dry	4.N, 4.J
Chlorobenzene	108-90-7	5.45	<5.45	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.45	<5.45	ug/kg dry	2.B
Chloroethane	75-00-3	5.45	<5.45	ug/kg dry	
Chloroform	67-66-3	5.45	<5.45	ug/kg dry	
Chloromethane	74-87-3	5.45	<5.45	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.45	<5.45	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.9	<10.9	ug/kg dry	
Dibromochloromethane	124-48-1	5.45	<5.45	ug/kg dry	
Dibromomethane	74-95-3	5.45	<5.45	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.45	<5.45	ug/kg dry	
Ethylbenzene	100-41-4	5.45	<5.45	ug/kg dry	
Ethylbenzene	100-41-4	5.45	<5.45	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.45	<5.45	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.45	<5.45	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Methyl Acetate	79-20-9	5.45	<5.45	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.9	<10.9	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.45	<5.45	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.45	<5.45	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.45	<5.45	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
Naphthalene	91-20-3	10.9	<10.9	ug/kg dry	
n-Butylbenzene	104-51-8	5.45	<5.45	ug/kg dry	
n-Butylbenzene	104-51-8	5.45	<5.45	ug/kg dry	
n-Propylbenzene	103-65-1	5.45	<5.45	ug/kg dry	
n-Propylbenzene	103-65-1	5.45	<5.45	ug/kg dry	
o-Xylene	95-47-6	5.45	<5.45	ug/kg dry	
o-Xylene	95-47-6	5.45	<5.45	ug/kg dry	
sec-Butylbenzene	135-98-8	5.45	<5.45	ug/kg dry	
sec-Butylbenzene	135-98-8	5.45	<5.45	ug/kg dry	
Styrene	100-42-5	5.45	<5.45	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.9	<10.9	ug/kg dry	
tert-Butylbenzene	98-06-6	5.45	<5.45	ug/kg dry	
tert-Butylbenzene	98-06-6	5.45	<5.45	ug/kg dry	
Tetrachloroethene	127-18-4	5.45	<5.45	ug/kg dry	
Toluene	108-88-3	5.45	<5.45	ug/kg dry	
Toluene	108-88-3	5.45	<5.45	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.45	<5.45	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.45	<5.45	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.45	<5.45	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.45	<5.45	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.45	<5.45	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.45	<5.45	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	95	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	95	72.1-142	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
Dibromofluoromethane	1868-53-7	103	77.6-135	
Dibromofluoromethane	1868-53-7	103	77.6-135	
Toluene-d8	2037-26-5	99	77.8-124	
Toluene-d8	2037-26-5	99	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	123	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	123	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
Chlorobenzene-d5	3114-55-4	120	50-200	
Chlorobenzene-d5	3114-55-4	120	50-200	
Pentafluorobenzene	363-72-4	116	50-200	
Pentafluorobenzene	363-72-4	116	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	166	<166	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	166	<166	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	166	<166	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	166	<166	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	221	<221	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	221	<221	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	221	<221	ug/kg dry	
2,4-Dichlorophenol	120-83-2	166	<166	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	166	<166	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	331	<331	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	221	<221	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	221	<221	ug/kg dry	
2-Chloronaphthalene	91-58-7	166	<166	ug/kg dry	4.N
2-Chlorophenol	95-57-8	166	<166	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	166	<166	ug/kg dry	4.N
2-Methylphenol	95-48-7	331	<331	ug/kg dry	4.N
2-Nitroaniline	88-74-4	331	<331	ug/kg dry	
2-Nitrophenol	88-75-5	331	<331	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	331	<331	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	166	<166	ug/kg dry	4.N
3-Nitroaniline	99-09-2	221	<221	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	331	<331	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	221	<221	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	221	<221	ug/kg dry	4.K
4-Chloroaniline	106-47-8	166	<166	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	221	<221	ug/kg dry	
4-Nitroaniline	100-01-6	331	<331	ug/kg dry	
4-Nitrophenol	100-02-7	331	<331	ug/kg dry	4.K
Acenaphthene	83-32-9	166	<166	ug/kg dry	
Acenaphthene	83-32-9	221	<221	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	166	<166	ug/kg dry	
Acenaphthylene	208-96-8	166	<166	ug/kg dry	
Aniline	62-53-3	221	<221	ug/kg dry	4.N
Anthracene	120-12-7	166	<166	ug/kg dry	
Anthracene	120-12-7	221	<221	ug/kg dry	
Benzidine	92-87-5	773	<773	ug/kg dry	4.N, 4.J
Benzo(a)anthracene	56-55-3	166	<166	ug/kg dry	
Benzo(a)anthracene	56-55-3	166	<166	ug/kg dry	
Benzo(a)pyrene	50-32-8	166	<166	ug/kg dry	
Benzo(a)pyrene	50-32-8	166	<166	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	331	<331	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	331	<331	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	166	<166	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	166	<166	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	166	<166	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	166	<166	ug/kg dry	
Benzoic Acid	65-85-0	442	<442	ug/kg dry	4.N
Benzyl alcohol	100-51-6	442	<442	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	166	<166	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	166	<166	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	331	<331	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	331	<331	ug/kg dry	4.K
Carbazole	86-74-8	166	<166	ug/kg dry	
Chrysene	218-01-9	166	<166	ug/kg dry	
Chrysene	218-01-9	221	<221	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	166	<166	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	166	<166	ug/kg dry	
Dibenzofuran	132-64-9	221	<221	ug/kg dry	
Diethyl phthalate	84-66-2	221	<221	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	221	<221	ug/kg dry	
Di-n-butyl phthalate	84-74-2	331	<331	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	331	<331	ug/kg dry	4.K
Fluoranthene	206-44-0	166	<166	ug/kg dry	
Fluoranthene	206-44-0	221	<221	ug/kg dry	
Fluorene	86-73-7	166	<166	ug/kg dry	
Fluorene	86-73-7	221	<221	ug/kg dry	
Hexachlorobenzene	118-74-1	221	<221	ug/kg dry	
Hexachlorobutadiene	87-68-3	221	<221	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	331	<331	ug/kg dry	4.N
Hexachloroethane	67-72-1	166	<166	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	166	<166	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	166	<166	ug/kg dry	4.K
Isophorone	78-59-1	331	<331	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	221	<221	ug/kg dry	4.N
n-Decane	124-18-5	166	<166	ug/kg dry	
Nitrobenzene	98-95-3	221	<221	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	166	<166	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	166	<166	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	166	<166	ug/kg dry	
n-Octadecane	593-45-3	166	<166	ug/kg dry	
Parathion (ethyl)	56-38-2	331	<331	ug/kg dry	4.K
Pentachlorophenol	87-86-5	331	<331	ug/kg dry	
Phenanthrene	85-01-8	166	<166	ug/kg dry	
Phenanthrene	85-01-8	221	<221	ug/kg dry	
Phenol	108-95-2	166	<166	ug/kg dry	4.N
Pyrene	129-00-0	166	<166	ug/kg dry	
Pyrene	129-00-0	221	<221	ug/kg dry	
Pyridine	110-86-1	221	<221	ug/kg dry	4.N, 4.J

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11 % Solid:90.550
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	49	28.3-111	
2-Fluorobiphenyl	321-60-8	14	30.1-118	4.D
2-Fluorobiphenyl	321-60-8	14	30.1-118	4.D
2-Fluorophenol	367-12-4	0.06	28.1-113	4.D
Nitrobenzene-d5	4165-60-0	0.6	30.3-117	4.D
Nitrobenzene-d5	4165-60-0	0.6	30.3-117	4.D
Phenol-d6	13127-88-3	1	26.7-119	4.D
Terphenyl-d14	1718-51-0	64	31.4-136	
Terphenyl-d14	1718-51-0	64	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	138	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	138	50-200	
Acenaphthene-d10	15067-26-2	141	50-200	
Acenaphthene-d10	15067-26-2	141	50-200	
Chrysene-d12	1719-03-5	121	50-200	
Chrysene-d12	1719-03-5	121	50-200	
Naphthalene-d8	1146-65-2	146	50-200	
Naphthalene-d8	1146-65-2	146	50-200	
Perylene-d12	1520-96-3	106	50-200	
Perylene-d12	1520-96-3	106	50-200	
Phenanthrene-d10	1517-22-2	131	50-200	
Phenanthrene-d10	1517-22-2	131	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11	% Solid:90.550
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.21	<2.21	ug/kg dry	
4,4'-DDE	72-55-9	2.21	<2.21	ug/kg dry	
4,4'-DDT	50-29-3	2.21	<2.21	ug/kg dry	
Aldrin	309-00-2	2.21	<2.21	ug/kg dry	
alpha-BHC	319-84-6	5.52	<5.52	ug/kg dry	
beta-BHC	319-85-7	5.52	<5.52	ug/kg dry	
cis-Chlordane	5103-71-9	5.52	<5.52	ug/kg dry	
delta-BHC	319-86-8	5.52	<5.52	ug/kg dry	
Dieldrin	60-57-1	2.21	<2.21	ug/kg dry	
Endosulfan I	959-98-8	5.52	<5.52	ug/kg dry	
Endosulfan II	33213-65-9	5.52	<5.52	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.52	<5.52	ug/kg dry	
Endrin	72-20-8	5.52	<5.52	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.52	<5.52	ug/kg dry	
Endrin Ketone	53494-70-5	5.52	<5.52	ug/kg dry	
gamma-BHC	58-89-9	5.52	<5.52	ug/kg dry	
Heptachlor	76-44-8	5.52	<5.52	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.52	<5.52	ug/kg dry	
Methoxychlor	72-43-5	5.52	<5.52	ug/kg dry	
Mirex	2385-85-5	5.52	<5.52	ug/kg dry	
Toxaphene	8001-35-2	110	<110	ug/kg dry	
trans-Chlordane	5103-74-2	5.52	<5.52	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	52.6-153	
Tetrachloro-m-xylene	877-09-8	78	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	93	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11	% Solid:90.550
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	55.2	<55.2	ug/kg dry	
Aroclor-1221	11104-28-2	55.2	<55.2	ug/kg dry	
Aroclor-1232	11141-16-5	55.2	<55.2	ug/kg dry	
Aroclor-1242	53469-21-9	55.2	<55.2	ug/kg dry	
Aroclor-1248	12672-29-6	55.2	<55.2	ug/kg dry	
Aroclor-1254	11097-69-1	55.2	<55.2	ug/kg dry	
Aroclor-1260	11096-82-5	55.2	<55.2	ug/kg dry	
Aroclor-1262	37324-23-5	55.2	<55.2	ug/kg dry	
Aroclor-1268	11100-14-4	55.2	<55.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	99	47.4-148	
Tetrachloro-m-xylene	877-09-8	104	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	115	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 14:05	Sample ID: S Slab	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-11	% Solid:90.550
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	215	19500	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.80	<1.80	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.80	<1.80	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.80	254	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.72	<0.72	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.80	<1.80	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	43.0	976	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.80	43.1	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.80	16.2	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.80	27.0	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	215	30400	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.80	12.6	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	215	7600	mg/kg dry	3.E, 4.J
Manganese	12/28/2022	EPA 6010 D	1.80	209	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.80	29.3	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	215	14600	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.58	<3.58	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.45	<0.45	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	43.0	1140	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.80	5.05	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.80	57.2	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.80	117	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.553	<0.553	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/30/2022	EPA 9014	1.10	<1.10	mg/kg dry	3.C

Date Prepared: 12/29/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.38	<5.38	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.38	<5.38	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.38	<5.38	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.38	<5.38	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.38	<5.38	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.38	<5.38	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.38	<5.38	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.38	<5.38	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.38	<5.38	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.38	<5.38	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.38	<5.38	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.38	<5.38	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.38	<5.38	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.38	<5.38	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.38	<5.38	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.38	<5.38	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.38	<5.38	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.38	<5.38	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.38	<5.38	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.38	<5.38	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.38	<5.38	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.38	<5.38	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.38	<5.38	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.38	<5.38	ug/kg dry	
1,4-Diethylbenzene	105-05-5	5.38	<5.38	ug/kg dry	2.B
1,4-Dioxane	123-91-1	26.9	<26.9	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.38	<5.38	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.38	<5.38	ug/kg dry	4.K, 4.M
2-Chlorotoluene	95-49-8	5.38	<5.38	ug/kg dry	
4-Chlorotoluene	106-43-4	5.38	<5.38	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
4-Ethyltoluene	622-96-8	5.38	<5.38	ug/kg dry	2.B
4-Isopropyltoluene	99-87-6	5.38	<5.38	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.38	<5.38	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.8	<10.8	ug/kg dry	
Acetone	67-64-1	21.5	76.4	ug/kg dry	4.S
Acrolein	107-02-8	10.8	<10.8	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.8	<10.8	ug/kg dry	
Benzene	71-43-2	5.38	<5.38	ug/kg dry	
Benzene	71-43-2	5.38	<5.38	ug/kg dry	
Bromobenzene	108-86-1	5.38	<5.38	ug/kg dry	
Bromochloromethane	74-97-5	5.38	<5.38	ug/kg dry	
Bromodichloromethane	75-27-4	5.38	<5.38	ug/kg dry	
Bromoform	75-25-2	5.38	<5.38	ug/kg dry	
Bromomethane	74-83-9	5.38	<5.38	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.38	<5.38	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.38	<5.38	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.38	<5.38	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.38	<5.38	ug/kg dry	2.B
Chloroethane	75-00-3	5.38	<5.38	ug/kg dry	
Chloroform	67-66-3	5.38	<5.38	ug/kg dry	
Chloromethane	74-87-3	5.38	<5.38	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.38	<5.38	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.8	<10.8	ug/kg dry	
Dibromochloromethane	124-48-1	5.38	<5.38	ug/kg dry	
Dibromomethane	74-95-3	5.38	<5.38	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.38	<5.38	ug/kg dry	
Ethylbenzene	100-41-4	5.38	<5.38	ug/kg dry	
Ethylbenzene	100-41-4	5.38	<5.38	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.38	<5.38	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Isopropylbenzene (Cumene)	98-82-8	5.38	<5.38	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.38	<5.38	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.8	<10.8	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.8	<10.8	ug/kg dry	
Methyl Acetate	79-20-9	5.38	<5.38	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.8	<10.8	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.8	<10.8	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.38	<5.38	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.38	<5.38	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.38	<5.38	ug/kg dry	
Naphthalene	91-20-3	10.8	<10.8	ug/kg dry	
Naphthalene	91-20-3	10.8	<10.8	ug/kg dry	
n-Butylbenzene	104-51-8	5.38	<5.38	ug/kg dry	
n-Butylbenzene	104-51-8	5.38	<5.38	ug/kg dry	
n-Propylbenzene	103-65-1	5.38	<5.38	ug/kg dry	
n-Propylbenzene	103-65-1	5.38	<5.38	ug/kg dry	
o-Xylene	95-47-6	5.38	<5.38	ug/kg dry	
o-Xylene	95-47-6	5.38	<5.38	ug/kg dry	
sec-Butylbenzene	135-98-8	5.38	<5.38	ug/kg dry	
sec-Butylbenzene	135-98-8	5.38	<5.38	ug/kg dry	
Styrene	100-42-5	5.38	<5.38	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.8	<10.8	ug/kg dry	
tert-Butylbenzene	98-06-6	5.38	<5.38	ug/kg dry	
tert-Butylbenzene	98-06-6	5.38	<5.38	ug/kg dry	
Tetrachloroethene	127-18-4	5.38	<5.38	ug/kg dry	
Toluene	108-88-3	5.38	<5.38	ug/kg dry	
Toluene	108-88-3	5.38	<5.38	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.38	<5.38	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.38	<5.38	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Trichloroethene	79-01-6	5.38	<5.38	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.38	<5.38	ug/kg dry	4.J, 4.N
Vinyl Acetate	108-05-4	5.38	<5.38	ug/kg dry	4.R
Vinyl chloride	75-01-4	5.38	<5.38	ug/kg dry	4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	92	72.1-142	
1,2-Dichloroethane-d4	10706-07-0	92	72.1-142	
4-Bromofluorobenzene	460-00-4	103	76.1-131	
4-Bromofluorobenzene	460-00-4	103	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	121	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	121	50-200	
1,4-Difluorobenzene	540-36-3	118	50-200	
1,4-Difluorobenzene	540-36-3	118	50-200	
Chlorobenzene-d5	3114-55-4	119	50-200	
Chlorobenzene-d5	3114-55-4	119	50-200	
Pentafluorobenzene	363-72-4	121	50-200	
Pentafluorobenzene	363-72-4	121	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	175	<175	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	175	<175	ug/kg dry	4.N
1,3-Dichlorobenzene	541-73-1	175	<175	ug/kg dry	4.N
1,4-Dichlorobenzene	106-46-7	175	<175	ug/kg dry	4.N
2,2'-Oxybis(1-Chloropropane)	108-60-1	233	<233	ug/kg dry	4.K, 4.N
2,4,5-Trichlorophenol	95-95-4	233	<233	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	233	<233	ug/kg dry	
2,4-Dichlorophenol	120-83-2	175	<175	ug/kg dry	4.N
2,4-Dimethylphenol	105-67-9	175	<175	ug/kg dry	4.N
2,4-Dinitrophenol	51-28-5	349	<349	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	233	<233	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	233	<233	ug/kg dry	
2-Chloronaphthalene	91-58-7	175	<175	ug/kg dry	4.N
2-Chlorophenol	95-57-8	175	<175	ug/kg dry	4.N
2-Methylnaphthalene	91-57-6	175	<175	ug/kg dry	4.N
2-Methylphenol	95-48-7	349	<349	ug/kg dry	4.N
2-Nitroaniline	88-74-4	349	<349	ug/kg dry	
2-Nitrophenol	88-75-5	349	<349	ug/kg dry	4.N
3,3'-Dichlorobenzidine	91-94-1	349	<349	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	175	<175	ug/kg dry	4.N
3-Nitroaniline	99-09-2	233	<233	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	349	<349	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	233	<233	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	233	<233	ug/kg dry	4.K
4-Chloroaniline	106-47-8	175	<175	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	233	<233	ug/kg dry	
4-Nitroaniline	100-01-6	349	<349	ug/kg dry	
4-Nitrophenol	100-02-7	349	<349	ug/kg dry	4.K
Acenaphthene	83-32-9	175	<175	ug/kg dry	
Acenaphthene	83-32-9	233	<233	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Acenaphthylene	208-96-8	175	<175	ug/kg dry	
Acenaphthylene	208-96-8	175	<175	ug/kg dry	
Aniline	62-53-3	233	<233	ug/kg dry	4.N
Anthracene	120-12-7	175	<175	ug/kg dry	
Anthracene	120-12-7	233	<233	ug/kg dry	
Benzidine	92-87-5	815	<815	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	175	<175	ug/kg dry	
Benzo(a)anthracene	56-55-3	175	<175	ug/kg dry	
Benzo(a)pyrene	50-32-8	175	<175	ug/kg dry	
Benzo(a)pyrene	50-32-8	175	<175	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	349	<349	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	349	<349	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	175	<175	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	175	<175	ug/kg dry	4.K
Benzo(k)fluoranthene	207-08-9	175	<175	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	175	<175	ug/kg dry	
Benzoic Acid	65-85-0	465	<465	ug/kg dry	4.N
Benzyl alcohol	100-51-6	465	<465	ug/kg dry	4.J, 4.N
bis(2-Chloroethoxy)methane	111-91-1	175	<175	ug/kg dry	4.N
Bis(2-Chloroethyl)ether	111-44-4	175	<175	ug/kg dry	4.K, 4.N
Bis(2-Ethylhexyl)phthalate	117-81-7	349	<349	ug/kg dry	4.K
Butyl benzyl phthalate	85-68-7	349	<349	ug/kg dry	4.K
Carbazole	86-74-8	175	<175	ug/kg dry	
Chrysene	218-01-9	175	<175	ug/kg dry	
Chrysene	218-01-9	233	<233	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	175	<175	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	175	<175	ug/kg dry	
Dibenzofuran	132-64-9	233	<233	ug/kg dry	
Diethyl phthalate	84-66-2	233	<233	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Dimethyl phthalate	131-11-3	233	<233	ug/kg dry	
Di-n-butyl phthalate	84-74-2	349	<349	ug/kg dry	4.K
Di-n-octyl phthalate	117-84-0	349	<349	ug/kg dry	4.K
Fluoranthene	206-44-0	175	<175	ug/kg dry	
Fluoranthene	206-44-0	233	<233	ug/kg dry	
Fluorene	86-73-7	175	<175	ug/kg dry	
Fluorene	86-73-7	233	<233	ug/kg dry	
Hexachlorobenzene	118-74-1	233	<233	ug/kg dry	
Hexachlorobutadiene	87-68-3	233	<233	ug/kg dry	4.N
Hexachlorocyclopentadiene	77-47-4	349	<349	ug/kg dry	4.N
Hexachloroethane	67-72-1	175	<175	ug/kg dry	4.N
Indeno(1,2,3-cd)pyrene	193-39-5	175	<175	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	175	<175	ug/kg dry	4.K
Isophorone	78-59-1	349	<349	ug/kg dry	4.K, 4.N
Naphthalene	91-20-3	233	<233	ug/kg dry	4.N
n-Decane	124-18-5	175	<175	ug/kg dry	
Nitrobenzene	98-95-3	233	<233	ug/kg dry	4.N
N-Nitrosodimethylamine	62-75-9	175	<175	ug/kg dry	4.K, 4.N
N-Nitroso-di-n-propylamine	621-64-7	175	<175	ug/kg dry	4.K, 4.N
N-Nitrosodiphenylamine	86-30-6	175	<175	ug/kg dry	
n-Octadecane	593-45-3	175	<175	ug/kg dry	
Parathion (ethyl)	56-38-2	349	<349	ug/kg dry	4.K
Pentachlorophenol	87-86-5	349	<349	ug/kg dry	
Phenanthrene	85-01-8	175	<175	ug/kg dry	
Phenanthrene	85-01-8	233	<233	ug/kg dry	
Phenol	108-95-2	175	<175	ug/kg dry	4.N
Pyrene	129-00-0	175	<175	ug/kg dry	
Pyrene	129-00-0	233	<233	ug/kg dry	
Pyridine	110-86-1	233	<233	ug/kg dry	4.J, 4.N

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	39	28.3-111	
2-Fluorobiphenyl	321-60-8	0.7	30.1-118	4.D
2-Fluorobiphenyl	321-60-8	0.7	30.1-118	4.D
2-Fluorophenol	367-12-4	0.1	28.1-113	4.D
Nitrobenzene-d5	4165-60-0	0.1	30.3-117	4.D
Nitrobenzene-d5	4165-60-0	0.1	30.3-117	4.D
Phenol-d6	13127-88-3	0.1	26.7-119	4.D
Terphenyl-d14	1718-51-0	62	31.4-136	
Terphenyl-d14	1718-51-0	62	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	153	50-200	
1,4-Dichlorobenzene-d4	3855-82-1	153	50-200	
Acenaphthene-d10	15067-26-2	157	50-200	
Acenaphthene-d10	15067-26-2	157	50-200	
Chrysene-d12	1719-03-5	137	50-200	
Chrysene-d12	1719-03-5	137	50-200	
Naphthalene-d8	1146-65-2	163	50-200	
Naphthalene-d8	1146-65-2	163	50-200	
Perylene-d12	1520-96-3	118	50-200	
Perylene-d12	1520-96-3	118	50-200	
Phenanthrene-d10	1517-22-2	145	50-200	
Phenanthrene-d10	1517-22-2	145	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12 % Solid:85.935
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.33	<2.33	ug/kg dry	
4,4'-DDE	72-55-9	2.33	<2.33	ug/kg dry	
4,4'-DDT	50-29-3	2.33	<2.33	ug/kg dry	
Aldrin	309-00-2	2.33	<2.33	ug/kg dry	
alpha-BHC	319-84-6	5.82	<5.82	ug/kg dry	
beta-BHC	319-85-7	5.82	<5.82	ug/kg dry	
cis-Chlordane	5103-71-9	5.82	<5.82	ug/kg dry	
delta-BHC	319-86-8	5.82	<5.82	ug/kg dry	
Dieldrin	60-57-1	2.33	<2.33	ug/kg dry	
Endosulfan I	959-98-8	5.82	<5.82	ug/kg dry	
Endosulfan II	33213-65-9	5.82	<5.82	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.82	<5.82	ug/kg dry	
Endrin	72-20-8	5.82	<5.82	ug/kg dry	
Endrin Aldehyde	7421-93-4	5.82	<5.82	ug/kg dry	
Endrin Ketone	53494-70-5	5.82	<5.82	ug/kg dry	
gamma-BHC	58-89-9	5.82	<5.82	ug/kg dry	
Heptachlor	76-44-8	5.82	<5.82	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.82	<5.82	ug/kg dry	
Methoxychlor	72-43-5	5.82	<5.82	ug/kg dry	
Mirex	2385-85-5	5.82	<5.82	ug/kg dry	
Toxaphene	8001-35-2	116	<116	ug/kg dry	
trans-Chlordane	5103-74-2	5.82	<5.82	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	110	52.6-153	
Tetrachloro-m-xylene	877-09-8	90	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	94	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12	% Solid:85.935
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	58.2	<58.2	ug/kg dry	
Aroclor-1221	11104-28-2	58.2	<58.2	ug/kg dry	
Aroclor-1232	11141-16-5	58.2	<58.2	ug/kg dry	
Aroclor-1242	53469-21-9	58.2	<58.2	ug/kg dry	
Aroclor-1248	12672-29-6	58.2	<58.2	ug/kg dry	
Aroclor-1254	11097-69-1	58.2	<58.2	ug/kg dry	
Aroclor-1260	11096-82-5	58.2	<58.2	ug/kg dry	
Aroclor-1262	37324-23-5	58.2	<58.2	ug/kg dry	
Aroclor-1268	11100-14-4	58.2	<58.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	80	47.4-148	
Tetrachloro-m-xylene	877-09-8	82	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	139	50-200	

Date Prepared: 12/27/2022

Preparation Method: EPA 3545 A

Date Analyzed: 01/03/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 14:10	Sample ID: S	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-12	% Solid:85.935
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/28/2022	EPA 6010 D	230	15600	mg/kg dry	3.E
Antimony	12/28/2022	EPA 6010 D	1.92	<1.92	mg/kg dry	
Arsenic	12/28/2022	EPA 6010 D	1.92	<1.92	mg/kg dry	
Barium	12/28/2022	EPA 6010 D	1.92	193	mg/kg dry	
Beryllium	12/28/2022	EPA 6010 D	0.77	<0.77	mg/kg dry	
Cadmium	12/28/2022	EPA 6010 D	1.92	<1.92	mg/kg dry	
Calcium	12/28/2022	EPA 6010 D	45.9	1530	mg/kg dry	
Chromium	12/28/2022	EPA 6010 D	1.92	30.8	mg/kg dry	
Cobalt	12/28/2022	EPA 6010 D	1.92	11.9	mg/kg dry	
Copper	12/28/2022	EPA 6010 D	1.92	24.9	mg/kg dry	
Iron	12/28/2022	EPA 6010 D	230	25600	mg/kg dry	3.E, C
Lead	12/28/2022	EPA 6010 D	1.92	11.9	mg/kg dry	
Magnesium	12/28/2022	EPA 6010 D	23.0	5710	mg/kg dry	
Manganese	12/28/2022	EPA 6010 D	1.92	146	mg/kg dry	
Nickel	12/28/2022	EPA 6010 D	1.92	22.3	mg/kg dry	
Potassium	12/28/2022	EPA 6010 D	230	11200	mg/kg dry	3.E, 4.S
Selenium	12/28/2022	EPA 6010 D	3.82	<3.82	mg/kg dry	
Silver	12/28/2022	EPA 6010 D	0.48	<0.48	mg/kg dry	
Sodium	12/28/2022	EPA 6010 D	45.9	708	mg/kg dry	4.S
Thallium	12/28/2022	EPA 6010 D	1.92	3.86	mg/kg dry	
Vanadium	12/28/2022	EPA 6010 D	1.92	39.1	mg/kg dry	
Zinc	12/28/2022	EPA 6010 D	1.92	82.3	mg/kg dry	

Date Prepared: 12/27/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/30/2022	EPA 7196 A	0.585	<0.585	mg/kg dry	

Date Prepared: 12/29/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/28/2022	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 12/23/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/03/2023	EPA 9014	0.23	<0.23	mg/kg dry	

Date Prepared: 12/30/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	2.00	<2.00	ug/L	
Aroclor-1221	11104-28-2	2.00	<2.00	ug/L	
Aroclor-1232	11141-16-5	2.00	<2.00	ug/L	
Aroclor-1242	53469-21-9	2.00	<2.00	ug/L	
Aroclor-1248	12672-29-6	2.00	<2.00	ug/L	
Aroclor-1254	11097-69-1	2.00	<2.00	ug/L	
Aroclor-1260	11096-82-5	2.00	<2.00	ug/L	
Aroclor-1262	37324-23-5	2.00	<2.00	ug/L	
Aroclor-1268	11100-14-4	2.00	<2.00	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	132	34.8-127	4.E
Tetrachloro-m-xylene	877-09-8	87	45.7-130	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	72	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 608.3

Date Analyzed: 12/19/2022

Analytical Method: EPA 608.3

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

Volatiles by EPA1311 ZHE TCLP Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Dichloroethene	75-35-4	100	<100	ug/L	3.C, 4.J
1,2-Dichloroethane	107-06-2	100	<100	ug/L	3.C
1,4-Dichlorobenzene	106-46-7	100	<100	ug/L	3.C
Benzene	71-43-2	14.0	302	ug/L	3.E
Carbon Tetrachloride	56-23-5	100	<100	ug/L	3.C
Chlorobenzene	108-90-7	100	<100	ug/L	3.C
Chloroform	67-66-3	100	<100	ug/L	3.C
Methyl Ethyl Ketone (2-Butanone)	78-93-3	200	<200	ug/L	3.C
Tetrachloroethene	127-18-4	100	<100	ug/L	3.C
Trichloroethene	79-01-6	100	<100	ug/L	3.C
Vinyl chloride	75-01-4	100	<100	ug/L	3.C, 4.J

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	84	90.7-121	4.D
4-Bromofluorobenzene	460-00-4	104	89.4-122	
Dibromofluoromethane	1868-53-7	82	74.4-131	
Toluene-d8	2037-26-5	94	92.7-114	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	100	50-200	
1,4-Difluorobenzene	540-36-3	110	50-200	
Chlorobenzene-d5	3114-55-4	109	50-200	
Pentafluorobenzene	363-72-4	115	50-200	

Date Prepared: 12/15/2022

Preparation Method: EPA 5030 C

Date Analyzed: 12/15/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

Semi-Volatiles by EPA 1311 TCLP Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-Trichlorophenol	95-95-4	250	<250	ug/L	
2,4,6-Trichlorophenol	88-06-2	250	<250	ug/L	
2,4-Dinitrotoluene	121-14-2	250	<250	ug/L	
2-Methylphenol	95-48-7	250	<250	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	250	<250	ug/L	
Hexachlorobenzene	118-74-1	250	<250	ug/L	
Hexachlorobutadiene	87-68-3	250	<250	ug/L	
Hexachloroethane	67-72-1	250	<250	ug/L	
Nitrobenzene	98-95-3	250	<250	ug/L	
Pentachlorophenol	87-86-5	250	<250	ug/L	
Pyridine	110-86-1	250	<250	ug/L	

Date Leached: 12/16/2022 Leach Batch: B251181 Leach Method: EPA 1311 Fluid #1
Date Prepared: 12/19/2022 Preparation Method: EPA 3510 C
Date Analyzed: 12/20/2022 Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

Pesticide by EPA 1311 TCLP Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Chlordane	12789-03-6	3.00	<3.00	ug/L	
Endrin	72-20-8	5.00	<5.00	ug/L	4.K
gamma-BHC	58-89-9	5.00	<5.00	ug/L	4.K
Heptachlor	76-44-8	5.00	<5.00	ug/L	
Heptachlor Epoxide	1024-57-3	5.00	<5.00	ug/L	
Methoxychlor	72-43-5	5.00	<5.00	ug/L	
Toxaphene	8001-35-2	50.0	<50.0	ug/L	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	117	57.4-130	
Tetrachloro-m-xylene	877-09-8	80	51.9-129	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	90	50-200	

Date Leached: 12/16/2022 Leach Batch: B251181 Leach Method: EPA 1311 Fluid #1
Date Prepared: 12/19/2022 Preparation Method: EPA 3510 C
Date Analyzed: 12/21/2022 Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

Herbicide by EPA 1311 TCLP Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-TP (Silvex)	93-72-1	5.00	<5.00	ug/L	
2,4-D	94-75-7	5.00	<5.00	ug/L	

Date Leached: 12/16/2022 Leach Batch: B251181 Leach Method: EPA 1311 Fluid #1
Date Prepared: 12/19/2022 Preparation Method: EPA 3510 C
Date Analyzed: 12/20/2022 Analytical Method: EPA 8151 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

Metals by EPA 1311 TCLP Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Arsenic	12/19/2022	EPA 6010 D	0.05	<0.05	mg/L	4.T
Barium	12/19/2022	EPA 6010 D	1.00	<1.00	mg/L	4.T
Cadmium	12/19/2022	EPA 6010 D	0.05	<0.05	mg/L	4.T
Chromium	12/19/2022	EPA 6010 D	0.05	<0.05	mg/L	4.T
Lead	12/19/2022	EPA 6010 D	0.05	0.06	mg/L	4.T
Selenium	12/19/2022	EPA 6010 D	0.05	<0.05	mg/L	4.M, 4.T
Silver	12/19/2022	EPA 6010 D	0.05	<0.05	mg/L	

Date Leached: 12/16/2022 Leach Batch: B251181 Leach Method: EPA 1311 Fluid #1

Date Prepared: 12/17/2022 Preparation Method: EPA 3010A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/20/2022	EPA 7471 B	0.02	<0.02	mg/L	

Date Leached: 12/16/2022 Leach Batch: B251181 Leach Method: EPA 1311 Fluid #1

Date Prepared: 12/19/2022 Preparation Method: EPA 7471 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 14:15	Sample ID: Drums 1-3
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-13
Matrix: Non-Potable Water	ELAP: #11693

General Chemistry Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Flashpoint	12/20/2022 16:55	ASTM D93 - IP 34	75.0	>140	°F	

Date Prepared: 12/20/2022 Preparation Method: Pensky-Martens Closed Cu

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
pH	12/19/2022 16:00	SM 18-21 4500-H B (00)	NA	7.86	units	1.C, 2.B
Temperature @ pH in C	12/19/2022 16:00	SM 18-21 4500-H B (00)	NA	18.90	units	1.C, 2.B

Date Prepared: 12/16/2022 Preparation Method: No Preparation

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Reactive Cyanide	12/20/2022 14:12	SW-846 Ch7 Sec. 7.3	5.00	<5.00	mg/kg wet	
Reactive Sulfide	12/20/2022 14:12	SW-846 Ch7 Sec. 7.3	2.00	<2.00	mg/kg wet	

Date Prepared: 12/19/2022 Preparation Method: Distillation Reactivity

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.61	<5.61	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.61	<5.61	ug/kg dry	4.J
1,1,2,2-Tetrachloroethane	79-34-5	5.61	<5.61	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.61	<5.61	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.61	<5.61	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.61	<5.61	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.61	<5.61	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.61	<5.61	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.61	<5.61	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.61	<5.61	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.61	<5.61	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.61	<5.61	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.61	<5.61	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.61	<5.61	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.61	<5.61	ug/kg dry	4.J
1,2-Dichloropropane	78-87-5	5.61	<5.61	ug/kg dry	4.M
1,3,5-Trimethylbenzene	108-67-8	5.61	<5.61	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.61	<5.61	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.61	<5.61	ug/kg dry	
1,4-Dioxane	123-91-1	28.0	<28.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.61	<5.61	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.61	<5.61	ug/kg dry	
2-Chlorotoluene	95-49-8	5.61	<5.61	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.2	<11.2	ug/kg dry	
Acetone	67-64-1	22.4	<22.4	ug/kg dry	4.S
Acrolein	107-02-8	11.2	<11.2	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.2	<11.2	ug/kg dry	
Benzene	71-43-2	5.61	<5.61	ug/kg dry	
Bromobenzene	108-86-1	5.61	<5.61	ug/kg dry	
Bromochloromethane	74-97-5	5.61	<5.61	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromodichloromethane	75-27-4	5.61	<5.61	ug/kg dry	
Bromoform	75-25-2	5.61	<5.61	ug/kg dry	
Bromomethane	74-83-9	5.61	<5.61	ug/kg dry	4.J
Carbon disulfide	75-15-0	5.61	<5.61	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.61	<5.61	ug/kg dry	4.J, 4.N
Chlorobenzene	108-90-7	5.61	<5.61	ug/kg dry	
Chloroethane	75-00-3	5.61	<5.61	ug/kg dry	
Chloroform	67-66-3	5.61	<5.61	ug/kg dry	
Chloromethane	74-87-3	5.61	<5.61	ug/kg dry	4.J
cis-1,2-Dichloroethene	156-59-2	5.61	<5.61	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.2	<11.2	ug/kg dry	
Dibromochloromethane	124-48-1	5.61	<5.61	ug/kg dry	
Dibromomethane	74-95-3	5.61	<5.61	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.61	<5.61	ug/kg dry	
Ethylbenzene	100-41-4	5.61	<5.61	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.61	<5.61	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.61	<5.61	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.2	<11.2	ug/kg dry	
Methyl Acetate	79-20-9	5.61	<5.61	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.2	<11.2	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.2	<11.2	ug/kg dry	4.S
Methylene Chloride	75-09-2	5.61	<5.61	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.61	<5.61	ug/kg dry	
o-Xylene	95-47-6	5.61	<5.61	ug/kg dry	
sec-Butylbenzene	135-98-8	5.61	<5.61	ug/kg dry	
Styrene	100-42-5	5.61	<5.61	ug/kg dry	
tert-Butyl alcohol	75-65-0	11.2	<11.2	ug/kg dry	
tert-Butylbenzene	98-06-6	5.61	<5.61	ug/kg dry	
Tetrachloroethene	127-18-4	5.61	<5.61	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Toluene	108-88-3	5.61	<5.61	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.61	<5.61	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.61	<5.61	ug/kg dry	
Trichloroethene	79-01-6	5.61	<5.61	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.61	<5.61	ug/kg dry	4.J, 4.N
Vinyl chloride	75-01-4	5.61	<5.61	ug/kg dry	4.J

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
1,2,4- Trimethylbenzene	95-63-6	5.61	<5.61	ug/kg dry	
2-Hexanone	108-10-1	5.61	<5.61	ug/kg dry	
Ethyl Benzene	100-41-4	5.61	<5.61	ug/kg dry	
Hexadecane, 2,6,10,14-tetramethyl-	000638-36-8	NA	24.1	ug/kg dry	
Methyl Bromide	74-83-9	5.61	<5.61	ug/kg dry	
Methyl Chloride	74-87-3	5.61	<5.61	ug/kg dry	
n-Butyl Benzene	104-51-8	5.61	<5.61	ug/kg dry	
p-Isopropyltoluene	99-87-6	5.61	<5.61	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	91	72.1-142	
4-Bromofluorobenzene	460-00-4	118	76.1-131	
Dibromofluoromethane	1868-53-7	103	77.6-135	
Toluene-d8	2037-26-5	104	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	97	50-200	
1,4-Difluorobenzene	540-36-3	117	50-200	
Chlorobenzene-d5	3114-55-4	110	50-200	
Pentafluorobenzene	363-72-4	117	50-200	

Date Prepared: 12/16/2022

Preparation Method: EPA 5035A-L

Date Analyzed: 12/17/2022

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	229	<229	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	229	<229	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	229	<229	ug/kg dry	
2,4-Dichlorophenol	120-83-2	172	<172	ug/kg dry	
2,4-Dimethylphenol	105-67-9	172	<172	ug/kg dry	
2,4-Dinitrophenol	51-28-5	344	<344	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	229	<229	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	229	<229	ug/kg dry	
2-Chloronaphthalene	91-58-7	172	<172	ug/kg dry	
2-Chlorophenol	95-57-8	172	<172	ug/kg dry	
2-Methylnaphthalene	91-57-6	172	<172	ug/kg dry	
2-Methylphenol	95-48-7	344	<344	ug/kg dry	
2-Nitroaniline	88-74-4	344	<344	ug/kg dry	
2-Nitrophenol	88-75-5	344	<344	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	344	<344	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	172	<172	ug/kg dry	
3-Nitroaniline	99-09-2	229	<229	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	344	<344	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	229	<229	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	229	<229	ug/kg dry	
4-Chloroaniline	106-47-8	172	<172	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	229	<229	ug/kg dry	
4-Nitroaniline	100-01-6	344	<344	ug/kg dry	
4-Nitrophenol	100-02-7	344	<344	ug/kg dry	
Acenaphthene	83-32-9	229	<229	ug/kg dry	
Acenaphthylene	208-96-8	172	<172	ug/kg dry	
Aniline	62-53-3	229	<229	ug/kg dry	
Anthracene	120-12-7	229	<229	ug/kg dry	
Benzidine	92-87-5	802	<802	ug/kg dry	
Benzo(a)anthracene	56-55-3	172	993	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	172	1070	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	344	840	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	172	<172	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	172	1530	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	172	<172	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	172	<172	ug/kg dry	
Bis(2-chloroisopropyl) ether		229	<229	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	344	<344	ug/kg dry	
Butyl benzyl phthalate	85-68-7	344	<344	ug/kg dry	
Carbazole	86-74-8	172	<172	ug/kg dry	
Chrysene	218-01-9	229	764	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	172	917	ug/kg dry	
Dibenzofuran	132-64-9	229	<229	ug/kg dry	
Diethyl phthalate	84-66-2	229	711	ug/kg dry	
Dimethyl phthalate	131-11-3	229	<229	ug/kg dry	
Di-n-butyl phthalate	84-74-2	344	<344	ug/kg dry	
Di-n-octyl phthalate	117-84-0	344	<344	ug/kg dry	
Fluoranthene	206-44-0	229	<229	ug/kg dry	
Fluorene	86-73-7	229	<229	ug/kg dry	
Hexachlorobenzene	118-74-1	229	<229	ug/kg dry	
Hexachlorobutadiene	87-68-3	229	<229	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	344	<344	ug/kg dry	
Hexachloroethane	67-72-1	172	<172	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	172	<172	ug/kg dry	
Isophorone	78-59-1	344	<344	ug/kg dry	
Naphthalene	91-20-3	229	<229	ug/kg dry	
Nitrobenzene	98-95-3	229	<229	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	172	<172	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	172	<172	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	172	<172	ug/kg dry	
Pentachlorophenol	87-86-5	344	<344	ug/kg dry	
Phenanthrene	85-01-8	229	573	ug/kg dry	
Phenol	108-95-2	172	<172	ug/kg dry	
Pyrene	129-00-0	229	<229	ug/kg dry	
Pyridine	110-86-1	229	<229	ug/kg dry	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	172	<172	ug/kg dry	4.N
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	172	<172	ug/kg dry	4.K
Acetophenone	989-86-2	172	<172	ug/kg dry	4.N
Atrazine	1912-24-9	172	<172	ug/kg dry	
Benzaldehyde	100-52-7	172	<172	ug/kg dry	4.K, 4.N
Caprolactam	105-60-2	172	<172	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	55	28.3-111	
2-Fluorobiphenyl	321-60-8	66	30.1-118	
2-Fluorophenol	367-12-4	65	28.1-113	
Nitrobenzene-d5	4165-60-0	86	30.3-117	
Phenol-d6	13127-88-3	69	26.7-119	
Terphenyl-d14	1718-51-0	69	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	146	50-200	
Acenaphthene-d10	15067-26-2	143	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Phenanthrene-d10	1517-22-2	135	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14	% Solid:87.261
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.29	<2.29	ug/kg dry	
4,4'-DDE	72-55-9	2.29	<2.29	ug/kg dry	
4,4'-DDT	50-29-3	2.29	<2.29	ug/kg dry	
Aldrin	309-00-2	2.29	<2.29	ug/kg dry	
alpha-BHC	319-84-6	5.73	<5.73	ug/kg dry	
beta-BHC	319-85-7	5.73	<5.73	ug/kg dry	
cis-Chlordane	5103-71-9	5.73	<5.73	ug/kg dry	
delta-BHC	319-86-8	5.73	<5.73	ug/kg dry	
Dieldrin	60-57-1	2.29	<2.29	ug/kg dry	
Endosulfan I	959-98-8	5.73	<5.73	ug/kg dry	
Endosulfan II	33213-65-9	5.73	<5.73	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.73	<5.73	ug/kg dry	4.K
Endrin	72-20-8	5.73	<5.73	ug/kg dry	4.K
Endrin Aldehyde	7421-93-4	5.73	<5.73	ug/kg dry	
Endrin Ketone	53494-70-5	5.73	<5.73	ug/kg dry	
gamma-BHC	58-89-9	5.73	<5.73	ug/kg dry	4.K
Heptachlor	76-44-8	5.73	<5.73	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.73	<5.73	ug/kg dry	
Methoxychlor	72-43-5	5.73	<5.73	ug/kg dry	
Mirex	2385-85-5	5.73	<5.73	ug/kg dry	4.K
Toxaphene	8001-35-2	115	<115	ug/kg dry	
trans-Chlordane	5103-74-2	5.73	<5.73	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	89	52.6-153	
Tetrachloro-m-xylene	877-09-8	87	56.1-153	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	81	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/21/2022

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14	% Solid:87.261
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	57.3	<57.3	ug/kg dry	
Aroclor-1221	11104-28-2	57.3	<57.3	ug/kg dry	
Aroclor-1232	11141-16-5	57.3	<57.3	ug/kg dry	
Aroclor-1242	53469-21-9	57.3	<57.3	ug/kg dry	
Aroclor-1248	12672-29-6	57.3	<57.3	ug/kg dry	
Aroclor-1254	11097-69-1	57.3	<57.3	ug/kg dry	
Aroclor-1260	11096-82-5	57.3	<57.3	ug/kg dry	
Aroclor-1262	37324-23-5	57.3	<57.3	ug/kg dry	
Aroclor-1268	11100-14-4	57.3	<57.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	80	47.4-148	
Tetrachloro-m-xylene	877-09-8	68	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 12/19/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14	% Solid:87.261
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	12/16/2022	EPA 6010 D	228	8050	mg/kg dry	3.E
Antimony	12/16/2022	EPA 6010 D	1.90	<1.90	mg/kg dry	
Arsenic	12/16/2022	EPA 6010 D	1.90	<1.90	mg/kg dry	
Barium	12/16/2022	EPA 6010 D	1.90	98.2	mg/kg dry	
Beryllium	12/16/2022	EPA 6010 D	0.76	<0.76	mg/kg dry	
Cadmium	12/16/2022	EPA 6010 D	1.90	<1.90	mg/kg dry	
Calcium	12/16/2022	EPA 6010 D	45.5	6060	mg/kg dry	
Chromium	12/16/2022	EPA 6010 D	1.90	18.1	mg/kg dry	
Cobalt	12/16/2022	EPA 6010 D	1.90	5.70	mg/kg dry	
Copper	12/16/2022	EPA 6010 D	1.90	32.3	mg/kg dry	
Iron	12/16/2022	EPA 6010 D	228	12600	mg/kg dry	3.E
Lead	12/16/2022	EPA 6010 D	1.90	62.3	mg/kg dry	
Magnesium	12/16/2022	EPA 6010 D	22.8	4780	mg/kg dry	
Manganese	12/16/2022	EPA 6010 D	1.90	165	mg/kg dry	
Nickel	12/16/2022	EPA 6010 D	1.90	11.9	mg/kg dry	
Potassium	12/16/2022	EPA 6010 D	228	2300	mg/kg dry	3.E, 4.S
Selenium	12/16/2022	EPA 6010 D	3.79	<3.79	mg/kg dry	
Silver	12/16/2022	EPA 6010 D	0.47	<0.47	mg/kg dry	
Thallium	12/16/2022	EPA 6010 D	1.90	2.02	mg/kg dry	
Vanadium	12/16/2022	EPA 6010 D	1.90	25.7	mg/kg dry	
Zinc	12/16/2022	EPA 6010 D	1.90	134	mg/kg dry	

Date Prepared: 12/16/2022 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	12/20/2022	EPA 7196 A	0.564	<0.564	mg/kg dry	4.G

Date Prepared: 12/19/2022 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	12/20/2022	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 12/19/2022 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	12/20/2022	EPA 9014	1.13	<1.13	mg/kg dry	

Date Prepared: 12/20/2022 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav	
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14	% Solid:87.261
Matrix: Soil	ELAP: #11693	

Extractable Petroleum Hydrocarbons

Parameter	CAS No.	LOQ	Result	Units	Flag
Diesel Range Organics (C10-C28)	68334-30-5	115	<115	mg/kg dry	4.G

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
p-Terphenyl-d14	1718-51-0	105	73.4-125	

Date Prepared: 12/20/2022

Preparation Method: EPA 3545 A

Date Analyzed: 12/20/2022

Analytical Method: EPA 8015 D DRO

Parameter	CAS No.	LOQ	Result	Units	Flag
Gasoline Range Organics(C6-C10)	8006-61-9	28.6	<28.6	mg/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Naphthalene-d8	1146-65-2	34	20.7-168	

Date Prepared: 12/19/2022

Preparation Method: EPA 5035 A

Date Analyzed: 12/19/2022

Analytical Method: EPA 8015 D GRO

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 12/14/2022 16:20	Sample ID: Excav
Date (Time) Received: 12/15/2022 16:46	Laboratory ID: 2121542-14 % Solid:87.261
Matrix: Soil	ELAP: #11693

General Chemistry Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Free Liquids	12/20/2022 16:50	EPA 9095B	NA	Negative		

Date Prepared: 12/20/2022 Preparation Method: No Preparation

Data Qualifiers Key Reference:

1.C	Holding time exceeded, analyze immediate parameter.
2.B	Parameter not certifiable by NELAP.
3.C	Reporting limit raised due to non-target compound interference.
3.E	Compound reported at a dilution factor.
4.D	Surrogate recovery has failed low.
4.E	Surrogate recovery has failed high.
4.F	Spike recovery does not meet QC criteria due to high target compound concentration.
4.G	Spike recovery out of range due to matrix interference.
4.J	Continuing Calibration Verification (CCV) quality control levels failed low, values are considered to be estimated.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
4.M	LCS recovery was above QC acceptance limit.
4.N	LCS recovery was below QC acceptance limit.
4.R	Initial Calibration Verification (ICV) quality control levels low, values are considered to be estimated.
4.S	Initial Calibration Verification (ICV) quality control levels high, values are considered to be estimated.
4.T	Sample Matrix Spike/Spike Dup RPD is above acceptable range.
C	MRL failed high.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation
H	Holding Time Exceeded

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: IRT	CONTACT: Jack Ewen	SAMPLER (SIGNATURE): Jack Ewen	SAMPLE(S) SEALED: ~~YES~~ / NO
	PHONE: 631.225.3044	SAMPLER NAME (PRINT): Jack Ewen	CORRECT CONTAINER(S): YES / NO
PROJECT LOCATION: Skaneateles HPWWTP	EMAIL: jackewen@irtwaste.com	SAMPLES RECEIVED AT: 2.1 °C	2121542

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED: CP51 Table 2	CP51 Table 3	Bay Shore	Full TCLP	PCB	RCRA	# OF CONTAINERS
1.	S	G/C			1	12/14/22	1245	N	X	X					2
2.							1250	N Slab	X	X					
3.							1255	1	X	X					
4.							1300	4	X	X					
5.							1305	W	X	X					
6.							1310	2	X	X					
7.							1315	5	X	X					
8.							1320	E	X	X					
9.							1325	3	X	X					
10.							1330	6	X	X					
11.							1405	S Slab	X	X					
12.							1410	S	X	X					
13.	%W	C					1415	Drums 1-3				X	X	X	
14.	S	G/C					1420	Excav			X				2

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER

TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON

PRES: (1) ICE; (2) HCl; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_3O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☐ NORMAL ~~STAT~~ BY 12/20/22

COMMENTS / INSTRUCTIONS: 72HR

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
	12/15/22 0900	Jack Ewen		12/15/22 1600	Vincent Verdi
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE / TIME	PRINTED NAME

WHITE - OFFICE / CANARY - CLIENT

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 3010507

Second Set Endpoint Samples

January 09, 2023

Innovative Recycling Technologies
John Dull
690 North Queens Avenue
Lindenhurst, NY 11757

Re: Skanska HPWWTP

Dear John Dull,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on January 05, 2023. Long Island Analytical laboratories analyzed the samples on January 09, 2023 for the following:

SAMPLE ID	ANALYSIS
N	TAL Target Analyte List, TCL Target Compound List
S	TAL Target Analyte List, TCL Target Compound List
E	TAL Target Analyte List, TCL Target Compound List
W	TAL Target Analyte List, TCL Target Compound List
N SLAB	TAL Target Analyte List, TCL Target Compound List
S SLAB	TAL Target Analyte List, TCL Target Compound List
1	TAL Target Analyte List, TCL Target Compound List
2	TAL Target Analyte List, TCL Target Compound List
3	TAL Target Analyte List, TCL Target Compound List
4	TAL Target Analyte List, TCL Target Compound List
5	TAL Target Analyte List, TCL Target Compound List
6	TAL Target Analyte List, TCL Target Compound List

Samples received at 2.3 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.59	<5.59	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.59	<5.59	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.59	<5.59	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.59	<5.59	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.59	<5.59	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.59	<5.59	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.59	<5.59	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.59	<5.59	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.59	<5.59	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.59	<5.59	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.59	<5.59	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.59	<5.59	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.59	<5.59	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.59	<5.59	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.59	<5.59	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.59	<5.59	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.59	<5.59	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.59	<5.59	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.59	<5.59	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.59	<5.59	ug/kg dry	
1,4-Dioxane	123-91-1	28.0	<28.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.59	<5.59	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.59	<5.59	ug/kg dry	
2-Chlorotoluene	95-49-8	5.59	<5.59	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.59	<5.59	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.2	<11.2	ug/kg dry	
Acetone	67-64-1	22.4	<22.4	ug/kg dry	
Acrolein	107-02-8	11.2	<11.2	ug/kg dry	4.R, 4.T
Acrylonitrile	107-13-1	11.2	<11.2	ug/kg dry	
Benzene	71-43-2	5.59	<5.59	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.59	<5.59	ug/kg dry	
Bromochloromethane	74-97-5	5.59	<5.59	ug/kg dry	
Bromodichloromethane	75-27-4	5.59	<5.59	ug/kg dry	
Bromoform	75-25-2	5.59	<5.59	ug/kg dry	
Bromomethane	74-83-9	5.59	<5.59	ug/kg dry	
Carbon disulfide	75-15-0	5.59	<5.59	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.59	<5.59	ug/kg dry	
Chlorobenzene	108-90-7	5.59	<5.59	ug/kg dry	
Chloroethane	75-00-3	5.59	<5.59	ug/kg dry	
Chloroform	67-66-3	5.59	<5.59	ug/kg dry	
Chloromethane	74-87-3	5.59	<5.59	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.59	<5.59	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.2	<11.2	ug/kg dry	
Dibromochloromethane	124-48-1	5.59	<5.59	ug/kg dry	
Dibromomethane	74-95-3	5.59	<5.59	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.59	<5.59	ug/kg dry	
Ethylbenzene	100-41-4	5.59	<5.59	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.59	<5.59	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.59	<5.59	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.2	<11.2	ug/kg dry	
Methyl Acetate	79-20-9	5.59	<5.59	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.2	<11.2	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.2	<11.2	ug/kg dry	
Methylene Chloride	75-09-2	5.59	<5.59	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.59	<5.59	ug/kg dry	
n-Butylbenzene	104-51-8	5.59	<5.59	ug/kg dry	
o-Xylene	95-47-6	5.59	<5.59	ug/kg dry	
sec-Butylbenzene	135-98-8	5.59	<5.59	ug/kg dry	
Styrene	100-42-5	5.59	<5.59	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.2	<11.2	ug/kg dry	
tert-Butylbenzene	98-06-6	5.59	<5.59	ug/kg dry	
Tetrachloroethene	127-18-4	5.59	<5.59	ug/kg dry	
Toluene	108-88-3	5.59	<5.59	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.59	<5.59	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.59	<5.59	ug/kg dry	
Trichloroethene	79-01-6	5.59	<5.59	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.59	<5.59	ug/kg dry	4.G
Vinyl chloride	75-01-4	5.59	<5.59	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	114	72.1-142	
4-Bromofluorobenzene	460-00-4	99	76.1-131	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Toluene-d8	2037-26-5	100	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	94	50-200	
1,4-Difluorobenzene	540-36-3	91	50-200	
Chlorobenzene-d5	3114-55-4	90	50-200	
Pentafluorobenzene	363-72-4	90	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	243	<243	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	243	<243	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	243	<243	ug/kg dry	
2,4-Dichlorophenol	120-83-2	183	<183	ug/kg dry	
2,4-Dimethylphenol	105-67-9	183	<183	ug/kg dry	
2,4-Dinitrophenol	51-28-5	365	<365	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	243	<243	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	243	<243	ug/kg dry	
2-Chloronaphthalene	91-58-7	183	<183	ug/kg dry	
2-Chlorophenol	95-57-8	183	<183	ug/kg dry	
2-Methylnaphthalene	91-57-6	183	<183	ug/kg dry	
2-Methylphenol	95-48-7	365	<365	ug/kg dry	
2-Nitroaniline	88-74-4	365	<365	ug/kg dry	
2-Nitrophenol	88-75-5	365	<365	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	365	<365	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	183	<183	ug/kg dry	
3-Nitroaniline	99-09-2	243	<243	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	365	<365	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	243	<243	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	243	<243	ug/kg dry	
4-Chloroaniline	106-47-8	183	<183	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	243	<243	ug/kg dry	
4-Nitroaniline	100-01-6	365	<365	ug/kg dry	
4-Nitrophenol	100-02-7	365	<365	ug/kg dry	
Acenaphthene	83-32-9	243	<243	ug/kg dry	
Acenaphthylene	208-96-8	183	<183	ug/kg dry	
Aniline	62-53-3	243	<243	ug/kg dry	
Anthracene	120-12-7	243	<243	ug/kg dry	
Benzidine	92-87-5	852	<852	ug/kg dry	
Benzo(a)anthracene	56-55-3	183	<183	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	183	<183	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	365	<365	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	183	<183	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	183	<183	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	183	<183	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	183	<183	ug/kg dry	
Bis(2-chloroisopropyl) ether		243	<243	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	365	<365	ug/kg dry	
Butyl benzyl phthalate	85-68-7	365	<365	ug/kg dry	
Carbazole	86-74-8	183	<183	ug/kg dry	
Chrysene	218-01-9	243	<243	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	183	<183	ug/kg dry	
Dibenzofuran	132-64-9	243	<243	ug/kg dry	
Diethyl phthalate	84-66-2	243	<243	ug/kg dry	
Dimethyl phthalate	131-11-3	243	<243	ug/kg dry	
Di-n-butyl phthalate	84-74-2	365	<365	ug/kg dry	
Di-n-octyl phthalate	117-84-0	365	<365	ug/kg dry	
Fluoranthene	206-44-0	243	<243	ug/kg dry	
Fluorene	86-73-7	243	<243	ug/kg dry	
Hexachlorobenzene	118-74-1	243	<243	ug/kg dry	
Hexachlorobutadiene	87-68-3	243	<243	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	365	<365	ug/kg dry	
Hexachloroethane	67-72-1	183	<183	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	183	<183	ug/kg dry	
Isophorone	78-59-1	365	<365	ug/kg dry	
Naphthalene	91-20-3	243	<243	ug/kg dry	
Nitrobenzene	98-95-3	243	<243	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	183	<183	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	183	<183	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	183	<183	ug/kg dry	
Pentachlorophenol	87-86-5	365	<365	ug/kg dry	
Phenanthrene	85-01-8	243	<243	ug/kg dry	
Phenol	108-95-2	183	<183	ug/kg dry	
Pyrene	129-00-0	243	<243	ug/kg dry	
Pyridine	110-86-1	243	<243	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	720	ug/kg dry	
4-Penten-2-one, 4-methyl- (1)	003744-02-3	NA	1220	ug/kg dry	
Cyclic octaatomic sulfur (1)	010544-50-0	NA	1260	ug/kg dry	
Furan, 2,5-dihydro-2,5-dimethyl- (1)	059242-27-2	NA	6850	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	58	28.3-111	
2-Fluorobiphenyl	321-60-8	49	30.1-118	
2-Fluorophenol	367-12-4	39	28.1-113	
Nitrobenzene-d5	4165-60-0	44	30.3-117	
Phenol-d6	13127-88-3	43	26.7-119	
Terphenyl-d14	1718-51-0	73	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	136	50-200	
Acenaphthene-d10	15067-26-2	109	50-200	
Chrysene-d12	1719-03-5	108	50-200	
Naphthalene-d8	1146-65-2	147	50-200	
Perylene-d12	1520-96-3	102	50-200	
Phenanthrene-d10	1517-22-2	100	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	183	<183	ug/kg dry	4.G, 4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	183	<183	ug/kg dry	4.J
Acetophenone	989-86-2	183	<183	ug/kg dry	
Atrazine	1912-24-9	183	<183	ug/kg dry	4.G, 4.J, 4.M
Benzaldehyde	100-52-7	183	<183	ug/kg dry	4.K
Caprolactam	105-60-2	183	<183	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	58	28.3-111	
2-Fluorobiphenyl	321-60-8	49	30.1-118	
2-Fluorophenol	367-12-4	39	28.1-113	
Nitrobenzene-d5	4165-60-0	44	30.3-117	
Phenol-d6	13127-88-3	43	26.7-119	
Terphenyl-d14	1718-51-0	73	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	136	50-200	
Acenaphthene-d10	15067-26-2	109	50-200	
Naphthalene-d8	1146-65-2	147	50-200	
Phenanthrene-d10	1517-22-2	100	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.30	<7.30	ug/kg dry	4.T
4,4'-DDE	72-55-9	7.30	<7.30	ug/kg dry	4.T
4,4'-DDT	50-29-3	7.30	<7.30	ug/kg dry	4.G, 4.T
Aldrin	309-00-2	7.30	<7.30	ug/kg dry	4.T
alpha-BHC	319-84-6	18.3	<18.3	ug/kg dry	4.T
beta-BHC	319-85-7	18.3	<18.3	ug/kg dry	4.T
cis-Chlordane	5103-71-9	18.3	<18.3	ug/kg dry	4.T
delta-BHC	319-86-8	18.3	<18.3	ug/kg dry	4.G, 4.T
Dieldrin	60-57-1	7.30	<7.30	ug/kg dry	4.T
Endosulfan I	959-98-8	18.3	<18.3	ug/kg dry	4.T
Endosulfan II	33213-65-9	18.3	<18.3	ug/kg dry	4.T
Endosulfan Sulfate	1031-07-8	18.3	<18.3	ug/kg dry	4.T
Endrin	72-20-8	18.3	<18.3	ug/kg dry	4.T
Endrin Aldehyde	7421-93-4	18.3	<18.3	ug/kg dry	4.G, 4.T
Endrin Ketone	53494-70-5	18.3	<18.3	ug/kg dry	4.T
gamma-BHC	58-89-9	18.3	<18.3	ug/kg dry	4.T
Heptachlor	76-44-8	18.3	<18.3	ug/kg dry	4.G, 4.T
Heptachlor Epoxide	1024-57-3	18.3	<18.3	ug/kg dry	4.T
Methoxychlor	72-43-5	18.3	<18.3	ug/kg dry	4.T
Mirex	2385-85-5	18.3	<18.3	ug/kg dry	4.G, 4.T
Toxaphene	8001-35-2	365	<365	ug/kg dry	
trans-Chlordane	5103-74-2	18.3	<18.3	ug/kg dry	4.T

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	45	52.6-153	4.D
Tetrachloro-m-xylene	877-09-8	39	56.1-151	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01 % Solid:82.175
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	183	<183	ug/kg dry	4.G
Aroclor-1221	11104-28-2	183	<183	ug/kg dry	
Aroclor-1232	11141-16-5	183	<183	ug/kg dry	
Aroclor-1242	53469-21-9	183	<183	ug/kg dry	
Aroclor-1248	12672-29-6	183	<183	ug/kg dry	
Aroclor-1254	11097-69-1	183	<183	ug/kg dry	
Aroclor-1260	11096-82-5	183	<183	ug/kg dry	
Aroclor-1262	37324-23-5	183	<183	ug/kg dry	
Aroclor-1268	11100-14-4	183	<183	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	56	47.4-148	
Tetrachloro-m-xylene	877-09-8	49	51.4-150	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	102	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:25	Sample ID: N	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-01	% Solid:82.175
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	233	8120	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	19.4	80.2	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.79	<7.79	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	465	2480	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	19.4	26.7	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	233	14900	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	19.4	34.8	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	233	3210	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	19.4	269	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	233	2110	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	38.7	<38.7	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.84	<4.84	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	465	<465	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	19.4	<19.4	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	19.4	26.3	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	19.4	115	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.608	<0.608	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.77	<5.77	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.77	<5.77	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.77	<5.77	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.77	<5.77	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.77	<5.77	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.77	<5.77	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.77	<5.77	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.77	<5.77	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.77	<5.77	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.77	<5.77	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.77	<5.77	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.77	<5.77	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.77	<5.77	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.77	<5.77	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.77	<5.77	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.77	<5.77	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.77	<5.77	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.77	<5.77	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.77	<5.77	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.77	<5.77	ug/kg dry	
1,4-Dioxane	123-91-1	28.8	<28.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.77	<5.77	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.77	<5.77	ug/kg dry	
2-Chlorotoluene	95-49-8	5.77	<5.77	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.77	<5.77	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.5	<11.5	ug/kg dry	
Acetone	67-64-1	23.1	<23.1	ug/kg dry	
Acrolein	107-02-8	11.5	<11.5	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.5	<11.5	ug/kg dry	
Benzene	71-43-2	5.77	<5.77	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.77	<5.77	ug/kg dry	
Bromochloromethane	74-97-5	5.77	<5.77	ug/kg dry	
Bromodichloromethane	75-27-4	5.77	<5.77	ug/kg dry	
Bromoform	75-25-2	5.77	<5.77	ug/kg dry	
Bromomethane	74-83-9	5.77	<5.77	ug/kg dry	
Carbon disulfide	75-15-0	5.77	<5.77	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.77	<5.77	ug/kg dry	
Chlorobenzene	108-90-7	5.77	<5.77	ug/kg dry	
Chloroethane	75-00-3	5.77	<5.77	ug/kg dry	
Chloroform	67-66-3	5.77	<5.77	ug/kg dry	
Chloromethane	74-87-3	5.77	<5.77	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.77	<5.77	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.5	<11.5	ug/kg dry	
Dibromochloromethane	124-48-1	5.77	<5.77	ug/kg dry	
Dibromomethane	74-95-3	5.77	<5.77	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.77	<5.77	ug/kg dry	
Ethylbenzene	100-41-4	5.77	<5.77	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.77	<5.77	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.77	<5.77	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.5	<11.5	ug/kg dry	
Methyl Acetate	79-20-9	5.77	<5.77	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.5	<11.5	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.5	<11.5	ug/kg dry	
Methylene Chloride	75-09-2	5.77	<5.77	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.77	<5.77	ug/kg dry	
n-Butylbenzene	104-51-8	5.77	<5.77	ug/kg dry	
o-Xylene	95-47-6	5.77	<5.77	ug/kg dry	
sec-Butylbenzene	135-98-8	5.77	<5.77	ug/kg dry	
Styrene	100-42-5	5.77	<5.77	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.5	<11.5	ug/kg dry	
tert-Butylbenzene	98-06-6	5.77	<5.77	ug/kg dry	
Tetrachloroethene	127-18-4	5.77	<5.77	ug/kg dry	
Toluene	108-88-3	5.77	<5.77	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.77	<5.77	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.77	<5.77	ug/kg dry	
Trichloroethene	79-01-6	5.77	<5.77	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.77	<5.77	ug/kg dry	
Vinyl chloride	75-01-4	5.77	<5.77	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	114	72.1-142	
4-Bromofluorobenzene	460-00-4	103	76.1-131	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	88	50-200	
1,4-Difluorobenzene	540-36-3	91	50-200	
Chlorobenzene-d5	3114-55-4	89	50-200	
Pentafluorobenzene	363-72-4	89	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	232	<232	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	232	<232	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	232	<232	ug/kg dry	
2,4-Dichlorophenol	120-83-2	174	<174	ug/kg dry	
2,4-Dimethylphenol	105-67-9	174	<174	ug/kg dry	
2,4-Dinitrophenol	51-28-5	348	<348	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	232	<232	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	232	<232	ug/kg dry	
2-Chloronaphthalene	91-58-7	174	<174	ug/kg dry	
2-Chlorophenol	95-57-8	174	<174	ug/kg dry	
2-Methylnaphthalene	91-57-6	174	<174	ug/kg dry	
2-Methylphenol	95-48-7	348	<348	ug/kg dry	
2-Nitroaniline	88-74-4	348	<348	ug/kg dry	
2-Nitrophenol	88-75-5	348	<348	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	348	<348	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	174	<174	ug/kg dry	
3-Nitroaniline	99-09-2	232	<232	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	348	<348	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	232	<232	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	232	<232	ug/kg dry	
4-Chloroaniline	106-47-8	174	<174	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	232	<232	ug/kg dry	
4-Nitroaniline	100-01-6	348	<348	ug/kg dry	
4-Nitrophenol	100-02-7	348	<348	ug/kg dry	
Acenaphthene	83-32-9	232	<232	ug/kg dry	
Acenaphthylene	208-96-8	174	<174	ug/kg dry	
Aniline	62-53-3	232	<232	ug/kg dry	
Anthracene	120-12-7	232	<232	ug/kg dry	
Benzidine	92-87-5	812	<812	ug/kg dry	
Benzo(a)anthracene	56-55-3	174	<174	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	174	<174	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	348	<348	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	174	<174	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	174	<174	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	174	<174	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	174	<174	ug/kg dry	
Bis(2-chloroisopropyl) ether		232	<232	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	348	<348	ug/kg dry	
Butyl benzyl phthalate	85-68-7	348	<348	ug/kg dry	
Carbazole	86-74-8	174	<174	ug/kg dry	
Chrysene	218-01-9	232	<232	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	174	<174	ug/kg dry	
Dibenzofuran	132-64-9	232	<232	ug/kg dry	
Diethyl phthalate	84-66-2	232	<232	ug/kg dry	
Dimethyl phthalate	131-11-3	232	<232	ug/kg dry	
Di-n-butyl phthalate	84-74-2	348	<348	ug/kg dry	
Di-n-octyl phthalate	117-84-0	348	<348	ug/kg dry	
Fluoranthene	206-44-0	232	<232	ug/kg dry	
Fluorene	86-73-7	232	<232	ug/kg dry	
Hexachlorobenzene	118-74-1	232	<232	ug/kg dry	
Hexachlorobutadiene	87-68-3	232	<232	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	348	<348	ug/kg dry	
Hexachloroethane	67-72-1	174	<174	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	174	<174	ug/kg dry	
Isophorone	78-59-1	348	<348	ug/kg dry	
Naphthalene	91-20-3	232	<232	ug/kg dry	
Nitrobenzene	98-95-3	232	<232	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	174	<174	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	174	<174	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	174	<174	ug/kg dry	
Pentachlorophenol	87-86-5	348	<348	ug/kg dry	
Phenanthrene	85-01-8	232	<232	ug/kg dry	
Phenol	108-95-2	174	<174	ug/kg dry	
Pyrene	129-00-0	232	<232	ug/kg dry	
Pyridine	110-86-1	232	<232	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	574	ug/kg dry	
n-Hexadecanoic acid (1)	000057-10-3	NA	391	ug/kg dry	
Phorone (1)	000504-20-1	NA	324	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	51	28.3-111	
2-Fluorobiphenyl	321-60-8	45	30.1-118	
2-Fluorophenol	367-12-4	33	28.1-113	
Nitrobenzene-d5	4165-60-0	38	30.3-117	
Phenol-d6	13127-88-3	38	26.7-119	
Terphenyl-d14	1718-51-0	67	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	140	50-200	
Acenaphthene-d10	15067-26-2	113	50-200	
Chrysene-d12	1719-03-5	111	50-200	
Naphthalene-d8	1146-65-2	156	50-200	
Perylene-d12	1520-96-3	103	50-200	
Phenanthrene-d10	1517-22-2	104	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	174	<174	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	174	<174	ug/kg dry	4.J
Acetophenone	989-86-2	174	<174	ug/kg dry	
Atrazine	1912-24-9	174	<174	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	174	<174	ug/kg dry	4.K
Caprolactam	105-60-2	174	<174	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	51	28.3-111	
2-Fluorobiphenyl	321-60-8	45	30.1-118	
2-Fluorophenol	367-12-4	33	28.1-113	
Nitrobenzene-d5	4165-60-0	38	30.3-117	
Phenol-d6	13127-88-3	38	26.7-119	
Terphenyl-d14	1718-51-0	67	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	140	50-200	
Acenaphthene-d10	15067-26-2	113	50-200	
Naphthalene-d8	1146-65-2	156	50-200	
Phenanthrene-d10	1517-22-2	104	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02 % Solid:86.212
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	6.96	<6.96	ug/kg dry	
4,4'-DDE	72-55-9	6.96	<6.96	ug/kg dry	
4,4'-DDT	50-29-3	6.96	<6.96	ug/kg dry	
Aldrin	309-00-2	6.96	<6.96	ug/kg dry	
alpha-BHC	319-84-6	17.4	<17.4	ug/kg dry	
beta-BHC	319-85-7	17.4	<17.4	ug/kg dry	
cis-Chlordane	5103-71-9	17.4	<17.4	ug/kg dry	
delta-BHC	319-86-8	17.4	<17.4	ug/kg dry	
Dieldrin	60-57-1	6.96	<6.96	ug/kg dry	
Endosulfan I	959-98-8	17.4	<17.4	ug/kg dry	
Endosulfan II	33213-65-9	17.4	<17.4	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.4	<17.4	ug/kg dry	
Endrin	72-20-8	17.4	<17.4	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.4	<17.4	ug/kg dry	
Endrin Ketone	53494-70-5	17.4	<17.4	ug/kg dry	
gamma-BHC	58-89-9	17.4	<17.4	ug/kg dry	
Heptachlor	76-44-8	17.4	<17.4	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.4	<17.4	ug/kg dry	
Methoxychlor	72-43-5	17.4	<17.4	ug/kg dry	
Mirex	2385-85-5	17.4	<17.4	ug/kg dry	
Toxaphene	8001-35-2	348	<348	ug/kg dry	
trans-Chlordane	5103-74-2	17.4	<17.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	55	52.6-153	
Tetrachloro-m-xylene	877-09-8	45	56.1-151	4.D

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02	% Solid:86.212
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	174	<174	ug/kg dry	
Aroclor-1221	11104-28-2	174	<174	ug/kg dry	
Aroclor-1232	11141-16-5	174	<174	ug/kg dry	
Aroclor-1242	53469-21-9	174	<174	ug/kg dry	
Aroclor-1248	12672-29-6	174	<174	ug/kg dry	
Aroclor-1254	11097-69-1	174	<174	ug/kg dry	
Aroclor-1260	11096-82-5	174	<174	ug/kg dry	
Aroclor-1262	37324-23-5	174	<174	ug/kg dry	
Aroclor-1268	11100-14-4	174	<174	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	71	47.4-148	
Tetrachloro-m-xylene	877-09-8	61	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:30	Sample ID: S	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-02	% Solid:86.212
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	219	6850	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.3	52.5	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.33	<7.33	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	438	843	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	219	12900	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	219	2360	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.3	257	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	219	1700	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	36.4	<36.4	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.55	<4.55	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	438	565	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.3	22.6	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.3	43.5	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.580	<0.580	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.01	0.01	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.23	<0.23	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.79	<5.79	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.79	<5.79	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.79	<5.79	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.79	<5.79	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.79	<5.79	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.79	<5.79	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.79	<5.79	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.79	<5.79	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.79	<5.79	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.79	<5.79	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.79	<5.79	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.79	<5.79	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.79	<5.79	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.79	<5.79	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.79	<5.79	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.79	<5.79	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.79	<5.79	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.79	<5.79	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.79	<5.79	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.79	<5.79	ug/kg dry	
1,4-Dioxane	123-91-1	29.0	<29.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.79	<5.79	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.79	<5.79	ug/kg dry	
2-Chlorotoluene	95-49-8	5.79	<5.79	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.79	<5.79	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.6	<11.6	ug/kg dry	
Acetone	67-64-1	23.2	<23.2	ug/kg dry	
Acrolein	107-02-8	11.6	<11.6	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.6	<11.6	ug/kg dry	
Benzene	71-43-2	5.79	<5.79	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.79	<5.79	ug/kg dry	
Bromochloromethane	74-97-5	5.79	<5.79	ug/kg dry	
Bromodichloromethane	75-27-4	5.79	<5.79	ug/kg dry	
Bromoform	75-25-2	5.79	<5.79	ug/kg dry	
Bromomethane	74-83-9	5.79	<5.79	ug/kg dry	
Carbon disulfide	75-15-0	5.79	<5.79	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.79	<5.79	ug/kg dry	
Chlorobenzene	108-90-7	5.79	<5.79	ug/kg dry	
Chloroethane	75-00-3	5.79	<5.79	ug/kg dry	
Chloroform	67-66-3	5.79	<5.79	ug/kg dry	
Chloromethane	74-87-3	5.79	<5.79	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.79	<5.79	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.6	<11.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.79	<5.79	ug/kg dry	
Dibromomethane	74-95-3	5.79	<5.79	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.79	<5.79	ug/kg dry	
Ethylbenzene	100-41-4	5.79	<5.79	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.79	<5.79	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.79	<5.79	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.6	<11.6	ug/kg dry	
Methyl Acetate	79-20-9	5.79	<5.79	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.6	<11.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.6	<11.6	ug/kg dry	
Methylene Chloride	75-09-2	5.79	<5.79	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.79	<5.79	ug/kg dry	
n-Butylbenzene	104-51-8	5.79	<5.79	ug/kg dry	
o-Xylene	95-47-6	5.79	<5.79	ug/kg dry	
sec-Butylbenzene	135-98-8	5.79	<5.79	ug/kg dry	
Styrene	100-42-5	5.79	<5.79	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.6	<11.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.79	<5.79	ug/kg dry	
Tetrachloroethene	127-18-4	5.79	<5.79	ug/kg dry	
Toluene	108-88-3	5.79	<5.79	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.79	<5.79	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.79	<5.79	ug/kg dry	
Trichloroethene	79-01-6	5.79	<5.79	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.79	<5.79	ug/kg dry	
Vinyl chloride	75-01-4	5.79	<5.79	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	113	72.1-142	
4-Bromofluorobenzene	460-00-4	101	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	104	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	87	50-200	
1,4-Difluorobenzene	540-36-3	89	50-200	
Chlorobenzene-d5	3114-55-4	85	50-200	
Pentafluorobenzene	363-72-4	87	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	235	<235	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	235	<235	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	235	<235	ug/kg dry	
2,4-Dichlorophenol	120-83-2	177	<177	ug/kg dry	
2,4-Dimethylphenol	105-67-9	177	<177	ug/kg dry	
2,4-Dinitrophenol	51-28-5	353	<353	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	235	<235	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	235	<235	ug/kg dry	
2-Chloronaphthalene	91-58-7	177	<177	ug/kg dry	
2-Chlorophenol	95-57-8	177	<177	ug/kg dry	
2-Methylnaphthalene	91-57-6	177	<177	ug/kg dry	
2-Methylphenol	95-48-7	353	<353	ug/kg dry	
2-Nitroaniline	88-74-4	353	<353	ug/kg dry	
2-Nitrophenol	88-75-5	353	<353	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	353	<353	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	177	<177	ug/kg dry	
3-Nitroaniline	99-09-2	235	<235	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	353	<353	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	235	<235	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	235	<235	ug/kg dry	
4-Chloroaniline	106-47-8	177	<177	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	235	<235	ug/kg dry	
4-Nitroaniline	100-01-6	353	<353	ug/kg dry	
4-Nitrophenol	100-02-7	353	<353	ug/kg dry	
Acenaphthene	83-32-9	235	<235	ug/kg dry	
Acenaphthylene	208-96-8	177	<177	ug/kg dry	
Aniline	62-53-3	235	<235	ug/kg dry	
Anthracene	120-12-7	235	<235	ug/kg dry	
Benzidine	92-87-5	824	<824	ug/kg dry	
Benzo(a)anthracene	56-55-3	177	<177	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	177	<177	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	353	<353	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	177	<177	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	177	<177	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	177	<177	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	177	<177	ug/kg dry	
Bis(2-chloroisopropyl) ether		235	<235	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	353	<353	ug/kg dry	
Butyl benzyl phthalate	85-68-7	353	<353	ug/kg dry	
Carbazole	86-74-8	177	<177	ug/kg dry	
Chrysene	218-01-9	235	<235	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	177	<177	ug/kg dry	
Dibenzofuran	132-64-9	235	<235	ug/kg dry	
Diethyl phthalate	84-66-2	235	<235	ug/kg dry	
Dimethyl phthalate	131-11-3	235	<235	ug/kg dry	
Di-n-butyl phthalate	84-74-2	353	<353	ug/kg dry	
Di-n-octyl phthalate	117-84-0	353	<353	ug/kg dry	
Fluoranthene	206-44-0	235	<235	ug/kg dry	
Fluorene	86-73-7	235	<235	ug/kg dry	
Hexachlorobenzene	118-74-1	235	<235	ug/kg dry	
Hexachlorobutadiene	87-68-3	235	<235	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	353	<353	ug/kg dry	
Hexachloroethane	67-72-1	177	<177	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	177	<177	ug/kg dry	
Isophorone	78-59-1	353	<353	ug/kg dry	
Naphthalene	91-20-3	235	<235	ug/kg dry	
Nitrobenzene	98-95-3	235	<235	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	177	<177	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	177	<177	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03 % Solid:84.930
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	177	<177	ug/kg dry	
Pentachlorophenol	87-86-5	353	<353	ug/kg dry	
Phenanthrene	85-01-8	235	<235	ug/kg dry	
Phenol	108-95-2	177	<177	ug/kg dry	
Pyrene	129-00-0	235	<235	ug/kg dry	
Pyridine	110-86-1	235	<235	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
2-Pentanone, 4-hydroxy- (1)	004161-60-8	NA	582	ug/kg dry	
3-Penten-2-one, (E)- (1)	003102-33-8	NA	447	ug/kg dry	
3-Penten-2-one, 4-methyl- (1)	000141-79-7	NA	4360	ug/kg dry	
4-Penten-2-one, 4-methyl- (1)	003744-02-3	NA	618	ug/kg dry	
Furan, 2,5-dihydro-2,5-dimethyl- (1)	059242-27-2	NA	4360	ug/kg dry	
Trichloroethylene (1)	000079-01-6	NA	322	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	56	28.3-111	
2-Fluorobiphenyl	321-60-8	44	30.1-118	
2-Fluorophenol	367-12-4	38	28.1-113	
Nitrobenzene-d5	4165-60-0	42	30.3-117	
Phenol-d6	13127-88-3	43	26.7-119	
Terphenyl-d14	1718-51-0	72	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	134	50-200	
Acenaphthene-d10	15067-26-2	110	50-200	
Chrysene-d12	1719-03-5	109	50-200	
Naphthalene-d8	1146-65-2	160	50-200	
Perylene-d12	1520-96-3	103	50-200	
Phenanthrene-d10	1517-22-2	101	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03	% Solid:84.930
Matrix: Soil	ELAP: #11693	

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	177	<177	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	177	<177	ug/kg dry	4.J
Acetophenone	989-86-2	177	<177	ug/kg dry	
Atrazine	1912-24-9	177	<177	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	177	<177	ug/kg dry	4.K
Caprolactam	105-60-2	177	<177	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	56	28.3-111	
2-Fluorobiphenyl	321-60-8	44	30.1-118	
2-Fluorophenol	367-12-4	38	28.1-113	
Nitrobenzene-d5	4165-60-0	42	30.3-117	
Phenol-d6	13127-88-3	43	26.7-119	
Terphenyl-d14	1718-51-0	72	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	134	50-200	
Acenaphthene-d10	15067-26-2	110	50-200	
Naphthalene-d8	1146-65-2	160	50-200	
Phenanthrene-d10	1517-22-2	101	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03	% Solid:84.930
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.06	<7.06	ug/kg dry	
4,4'-DDE	72-55-9	7.06	<7.06	ug/kg dry	
4,4'-DDT	50-29-3	7.06	<7.06	ug/kg dry	
Aldrin	309-00-2	7.06	<7.06	ug/kg dry	
alpha-BHC	319-84-6	17.7	<17.7	ug/kg dry	
beta-BHC	319-85-7	17.7	<17.7	ug/kg dry	
cis-Chlordane	5103-71-9	17.7	<17.7	ug/kg dry	
delta-BHC	319-86-8	17.7	<17.7	ug/kg dry	
Dieldrin	60-57-1	7.06	<7.06	ug/kg dry	
Endosulfan I	959-98-8	17.7	<17.7	ug/kg dry	
Endosulfan II	33213-65-9	17.7	<17.7	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.7	<17.7	ug/kg dry	
Endrin	72-20-8	17.7	<17.7	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.7	<17.7	ug/kg dry	
Endrin Ketone	53494-70-5	17.7	<17.7	ug/kg dry	
gamma-BHC	58-89-9	17.7	<17.7	ug/kg dry	
Heptachlor	76-44-8	17.7	<17.7	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.7	<17.7	ug/kg dry	
Methoxychlor	72-43-5	17.7	<17.7	ug/kg dry	
Mirex	2385-85-5	17.7	<17.7	ug/kg dry	
Toxaphene	8001-35-2	353	<353	ug/kg dry	
trans-Chlordane	5103-74-2	17.7	<17.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	84	52.6-153	
Tetrachloro-m-xylene	877-09-8	73	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03	% Solid:84.930
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	177	<177	ug/kg dry	
Aroclor-1221	11104-28-2	177	<177	ug/kg dry	
Aroclor-1232	11141-16-5	177	<177	ug/kg dry	
Aroclor-1242	53469-21-9	177	<177	ug/kg dry	
Aroclor-1248	12672-29-6	177	<177	ug/kg dry	
Aroclor-1254	11097-69-1	177	<177	ug/kg dry	
Aroclor-1260	11096-82-5	177	<177	ug/kg dry	
Aroclor-1262	37324-23-5	177	<177	ug/kg dry	
Aroclor-1268	11100-14-4	177	<177	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	85	47.4-148	
Tetrachloro-m-xylene	877-09-8	73	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	105	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:35	Sample ID: E	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-03	% Solid:84.930
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	219	6800	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.3	74.5	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.35	<7.35	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	439	1920	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.3	22.5	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	219	12700	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.3	28.8	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	219	2240	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.3	223	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	219	1540	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	36.5	<36.5	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.56	<4.56	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	439	442	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.3	21.6	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.3	99.9	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.589	<0.589	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.007	0.01	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.27	<5.27	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.27	<5.27	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.27	<5.27	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.27	<5.27	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.27	<5.27	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.27	<5.27	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.27	<5.27	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.27	<5.27	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.27	<5.27	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.27	<5.27	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.27	<5.27	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.27	<5.27	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.27	<5.27	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.27	<5.27	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.27	<5.27	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.27	<5.27	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.27	<5.27	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.27	<5.27	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.27	<5.27	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.27	<5.27	ug/kg dry	
1,4-Dioxane	123-91-1	26.4	<26.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.27	<5.27	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.27	<5.27	ug/kg dry	
2-Chlorotoluene	95-49-8	5.27	<5.27	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.27	<5.27	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.5	<10.5	ug/kg dry	
Acetone	67-64-1	21.1	<21.1	ug/kg dry	
Acrolein	107-02-8	10.5	<10.5	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.5	<10.5	ug/kg dry	
Benzene	71-43-2	5.27	<5.27	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.27	<5.27	ug/kg dry	
Bromochloromethane	74-97-5	5.27	<5.27	ug/kg dry	
Bromodichloromethane	75-27-4	5.27	<5.27	ug/kg dry	
Bromoform	75-25-2	5.27	<5.27	ug/kg dry	
Bromomethane	74-83-9	5.27	<5.27	ug/kg dry	
Carbon disulfide	75-15-0	5.27	<5.27	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.27	<5.27	ug/kg dry	
Chlorobenzene	108-90-7	5.27	<5.27	ug/kg dry	
Chloroethane	75-00-3	5.27	<5.27	ug/kg dry	
Chloroform	67-66-3	5.27	<5.27	ug/kg dry	
Chloromethane	74-87-3	5.27	<5.27	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.27	<5.27	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.5	<10.5	ug/kg dry	
Dibromochloromethane	124-48-1	5.27	<5.27	ug/kg dry	
Dibromomethane	74-95-3	5.27	<5.27	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.27	<5.27	ug/kg dry	
Ethylbenzene	100-41-4	5.27	<5.27	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.27	<5.27	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.27	<5.27	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.5	<10.5	ug/kg dry	
Methyl Acetate	79-20-9	5.27	<5.27	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.5	<10.5	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.5	<10.5	ug/kg dry	
Methylene Chloride	75-09-2	5.27	<5.27	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.27	<5.27	ug/kg dry	
n-Butylbenzene	104-51-8	5.27	<5.27	ug/kg dry	
o-Xylene	95-47-6	5.27	<5.27	ug/kg dry	
sec-Butylbenzene	135-98-8	5.27	<5.27	ug/kg dry	
Styrene	100-42-5	5.27	<5.27	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	10.5	<10.5	ug/kg dry	
tert-Butylbenzene	98-06-6	5.27	<5.27	ug/kg dry	
Tetrachloroethene	127-18-4	5.27	<5.27	ug/kg dry	
Toluene	108-88-3	5.27	<5.27	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.27	<5.27	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.27	<5.27	ug/kg dry	
Trichloroethene	79-01-6	5.27	<5.27	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.27	<5.27	ug/kg dry	
Vinyl chloride	75-01-4	5.27	<5.27	ug/kg dry	4.K

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Cyclotetradecane	000295-17-0	NA	3.51	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	114	72.1-142	
4-Bromofluorobenzene	460-00-4	105	76.1-131	
Dibromofluoromethane	1868-53-7	100	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	84	50-200	
1,4-Difluorobenzene	540-36-3	88	50-200	
Chlorobenzene-d5	3114-55-4	85	50-200	
Pentafluorobenzene	363-72-4	86	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	231	<231	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	231	<231	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	231	<231	ug/kg dry	
2,4-Dichlorophenol	120-83-2	173	<173	ug/kg dry	
2,4-Dimethylphenol	105-67-9	173	<173	ug/kg dry	
2,4-Dinitrophenol	51-28-5	346	<346	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	231	<231	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	231	<231	ug/kg dry	
2-Chloronaphthalene	91-58-7	173	<173	ug/kg dry	
2-Chlorophenol	95-57-8	173	<173	ug/kg dry	
2-Methylnaphthalene	91-57-6	173	<173	ug/kg dry	
2-Methylphenol	95-48-7	346	<346	ug/kg dry	
2-Nitroaniline	88-74-4	346	<346	ug/kg dry	
2-Nitrophenol	88-75-5	346	<346	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	346	<346	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	173	<173	ug/kg dry	
3-Nitroaniline	99-09-2	231	<231	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	346	<346	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	231	<231	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	231	<231	ug/kg dry	
4-Chloroaniline	106-47-8	173	<173	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	231	<231	ug/kg dry	
4-Nitroaniline	100-01-6	346	<346	ug/kg dry	
4-Nitrophenol	100-02-7	346	<346	ug/kg dry	
Acenaphthene	83-32-9	231	<231	ug/kg dry	
Acenaphthylene	208-96-8	173	<173	ug/kg dry	
Aniline	62-53-3	231	<231	ug/kg dry	
Anthracene	120-12-7	231	<231	ug/kg dry	
Benzidine	92-87-5	807	<807	ug/kg dry	
Benzo(a)anthracene	56-55-3	173	<173	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	173	<173	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	346	<346	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	173	<173	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	173	<173	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	173	<173	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	173	<173	ug/kg dry	
Bis(2-chloroisopropyl) ether		231	<231	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	346	<346	ug/kg dry	
Butyl benzyl phthalate	85-68-7	346	<346	ug/kg dry	
Carbazole	86-74-8	173	<173	ug/kg dry	
Chrysene	218-01-9	231	<231	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	173	<173	ug/kg dry	
Dibenzofuran	132-64-9	231	<231	ug/kg dry	
Diethyl phthalate	84-66-2	231	<231	ug/kg dry	
Dimethyl phthalate	131-11-3	231	<231	ug/kg dry	
Di-n-butyl phthalate	84-74-2	346	<346	ug/kg dry	
Di-n-octyl phthalate	117-84-0	346	<346	ug/kg dry	
Fluoranthene	206-44-0	231	<231	ug/kg dry	
Fluorene	86-73-7	231	<231	ug/kg dry	
Hexachlorobenzene	118-74-1	231	<231	ug/kg dry	
Hexachlorobutadiene	87-68-3	231	<231	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	346	<346	ug/kg dry	
Hexachloroethane	67-72-1	173	<173	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	173	<173	ug/kg dry	
Isophorone	78-59-1	346	<346	ug/kg dry	
Naphthalene	91-20-3	231	<231	ug/kg dry	
Nitrobenzene	98-95-3	231	<231	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	173	<173	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	173	<173	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	173	<173	ug/kg dry	
Pentachlorophenol	87-86-5	346	<346	ug/kg dry	
Phenanthrene	85-01-8	231	<231	ug/kg dry	
Phenol	108-95-2	173	<173	ug/kg dry	
Pyrene	129-00-0	231	<231	ug/kg dry	
Pyridine	110-86-1	231	<231	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	1060	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	62	28.3-111	
2-Fluorobiphenyl	321-60-8	70	30.1-118	
2-Fluorophenol	367-12-4	49	28.1-113	
Nitrobenzene-d5	4165-60-0	56	30.3-117	
Phenol-d6	13127-88-3	55	26.7-119	
Terphenyl-d14	1718-51-0	76	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	112	50-200	
Acenaphthene-d10	15067-26-2	97	50-200	
Chrysene-d12	1719-03-5	101	50-200	
Naphthalene-d8	1146-65-2	102	50-200	
Perylene-d12	1520-96-3	98	50-200	
Phenanthrene-d10	1517-22-2	96	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	173	<173	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	173	<173	ug/kg dry	4.J
Acetophenone	989-86-2	173	<173	ug/kg dry	
Atrazine	1912-24-9	173	<173	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	173	<173	ug/kg dry	4.K
Caprolactam	105-60-2	173	<173	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	62	28.3-111	
2-Fluorobiphenyl	321-60-8	70	30.1-118	
2-Fluorophenol	367-12-4	49	28.1-113	
Nitrobenzene-d5	4165-60-0	56	30.3-117	
Phenol-d6	13127-88-3	55	26.7-119	
Terphenyl-d14	1718-51-0	76	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	112	50-200	
Acenaphthene-d10	15067-26-2	97	50-200	
Naphthalene-d8	1146-65-2	102	50-200	
Phenanthrene-d10	1517-22-2	96	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	6.92	<6.92	ug/kg dry	
4,4'-DDE	72-55-9	6.92	<6.92	ug/kg dry	
4,4'-DDT	50-29-3	6.92	<6.92	ug/kg dry	
Aldrin	309-00-2	6.92	<6.92	ug/kg dry	
alpha-BHC	319-84-6	17.3	<17.3	ug/kg dry	
beta-BHC	319-85-7	17.3	<17.3	ug/kg dry	
cis-Chlordane	5103-71-9	17.3	<17.3	ug/kg dry	
delta-BHC	319-86-8	17.3	<17.3	ug/kg dry	
Dieldrin	60-57-1	6.92	<6.92	ug/kg dry	
Endosulfan I	959-98-8	17.3	<17.3	ug/kg dry	
Endosulfan II	33213-65-9	17.3	<17.3	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.3	<17.3	ug/kg dry	
Endrin	72-20-8	17.3	<17.3	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.3	<17.3	ug/kg dry	
Endrin Ketone	53494-70-5	17.3	<17.3	ug/kg dry	
gamma-BHC	58-89-9	17.3	<17.3	ug/kg dry	
Heptachlor	76-44-8	17.3	<17.3	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.3	<17.3	ug/kg dry	
Methoxychlor	72-43-5	17.3	<17.3	ug/kg dry	
Mirex	2385-85-5	17.3	<17.3	ug/kg dry	
Toxaphene	8001-35-2	346	<346	ug/kg dry	
trans-Chlordane	5103-74-2	17.3	<17.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	69	52.6-153	
Tetrachloro-m-xylene	877-09-8	69	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04 % Solid:86.695
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	173	<173	ug/kg dry	
Aroclor-1221	11104-28-2	173	<173	ug/kg dry	
Aroclor-1232	11141-16-5	173	<173	ug/kg dry	
Aroclor-1242	53469-21-9	173	<173	ug/kg dry	
Aroclor-1248	12672-29-6	173	<173	ug/kg dry	
Aroclor-1254	11097-69-1	173	<173	ug/kg dry	
Aroclor-1260	11096-82-5	173	<173	ug/kg dry	
Aroclor-1262	37324-23-5	173	<173	ug/kg dry	
Aroclor-1268	11100-14-4	173	<173	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	76	47.4-148	
Tetrachloro-m-xylene	877-09-8	76	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	100	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:40	Sample ID: W	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-04	% Solid:86.695
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	210	7230	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	17.5	65.7	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.03	<7.03	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	419	4290	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	17.5	25.0	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	210	14400	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	17.5	28.9	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	210	3900	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	17.5	237	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	210	1780	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	34.9	<34.9	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.36	<4.36	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	419	443	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	17.5	<17.5	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	17.5	26.6	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	17.5	84.0	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.577	<0.577	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.006	<0.006	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.23	<0.23	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.64	<5.64	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.64	<5.64	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.64	<5.64	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.64	<5.64	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.64	<5.64	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.64	<5.64	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.64	<5.64	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.64	<5.64	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.64	<5.64	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.64	<5.64	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.64	<5.64	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.64	<5.64	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.64	<5.64	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.64	<5.64	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.64	<5.64	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.64	<5.64	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.64	<5.64	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.64	<5.64	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.64	<5.64	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.64	<5.64	ug/kg dry	
1,4-Dioxane	123-91-1	28.2	<28.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.64	<5.64	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.64	<5.64	ug/kg dry	
2-Chlorotoluene	95-49-8	5.64	<5.64	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.64	<5.64	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.3	<11.3	ug/kg dry	
Acetone	67-64-1	22.6	<22.6	ug/kg dry	
Acrolein	107-02-8	11.3	<11.3	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.3	<11.3	ug/kg dry	
Benzene	71-43-2	5.64	<5.64	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.64	<5.64	ug/kg dry	
Bromochloromethane	74-97-5	5.64	<5.64	ug/kg dry	
Bromodichloromethane	75-27-4	5.64	<5.64	ug/kg dry	
Bromoform	75-25-2	5.64	<5.64	ug/kg dry	
Bromomethane	74-83-9	5.64	<5.64	ug/kg dry	
Carbon disulfide	75-15-0	5.64	<5.64	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.64	<5.64	ug/kg dry	
Chlorobenzene	108-90-7	5.64	<5.64	ug/kg dry	
Chloroethane	75-00-3	5.64	<5.64	ug/kg dry	
Chloroform	67-66-3	5.64	<5.64	ug/kg dry	
Chloromethane	74-87-3	5.64	<5.64	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.64	<5.64	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.3	<11.3	ug/kg dry	
Dibromochloromethane	124-48-1	5.64	<5.64	ug/kg dry	
Dibromomethane	74-95-3	5.64	<5.64	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.64	<5.64	ug/kg dry	
Ethylbenzene	100-41-4	5.64	<5.64	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.64	<5.64	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.64	<5.64	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.3	<11.3	ug/kg dry	
Methyl Acetate	79-20-9	5.64	<5.64	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.3	<11.3	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.3	<11.3	ug/kg dry	
Methylene Chloride	75-09-2	5.64	<5.64	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.64	<5.64	ug/kg dry	
n-Butylbenzene	104-51-8	5.64	<5.64	ug/kg dry	
o-Xylene	95-47-6	5.64	<5.64	ug/kg dry	
sec-Butylbenzene	135-98-8	5.64	<5.64	ug/kg dry	
Styrene	100-42-5	5.64	<5.64	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.3	<11.3	ug/kg dry	
tert-Butylbenzene	98-06-6	5.64	<5.64	ug/kg dry	
Tetrachloroethene	127-18-4	5.64	<5.64	ug/kg dry	
Toluene	108-88-3	5.64	<5.64	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.64	<5.64	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.64	<5.64	ug/kg dry	
Trichloroethene	79-01-6	5.64	<5.64	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.64	21.9	ug/kg dry	
Vinyl chloride	75-01-4	5.64	<5.64	ug/kg dry	4.K

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Cyclododecane	000294-62-2	NA	3.09	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	116	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	84	50-200	
1,4-Difluorobenzene	540-36-3	83	50-200	
Chlorobenzene-d5	3114-55-4	83	50-200	
Pentafluorobenzene	363-72-4	82	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	238	<238	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	238	<238	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	238	<238	ug/kg dry	
2,4-Dichlorophenol	120-83-2	179	<179	ug/kg dry	
2,4-Dimethylphenol	105-67-9	179	<179	ug/kg dry	
2,4-Dinitrophenol	51-28-5	358	<358	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	238	<238	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	238	<238	ug/kg dry	
2-Chloronaphthalene	91-58-7	179	<179	ug/kg dry	
2-Chlorophenol	95-57-8	179	<179	ug/kg dry	
2-Methylnaphthalene	91-57-6	179	<179	ug/kg dry	
2-Methylphenol	95-48-7	358	<358	ug/kg dry	
2-Nitroaniline	88-74-4	358	<358	ug/kg dry	
2-Nitrophenol	88-75-5	358	<358	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	358	<358	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	179	<179	ug/kg dry	
3-Nitroaniline	99-09-2	238	<238	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	358	<358	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	238	<238	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	238	<238	ug/kg dry	
4-Chloroaniline	106-47-8	179	<179	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	238	<238	ug/kg dry	
4-Nitroaniline	100-01-6	358	<358	ug/kg dry	
4-Nitrophenol	100-02-7	358	<358	ug/kg dry	
Acenaphthene	83-32-9	238	<238	ug/kg dry	
Acenaphthylene	208-96-8	179	<179	ug/kg dry	
Aniline	62-53-3	238	<238	ug/kg dry	
Anthracene	120-12-7	238	<238	ug/kg dry	
Benzidine	92-87-5	835	<835	ug/kg dry	
Benzo(a)anthracene	56-55-3	179	<179	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	179	<179	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	358	<358	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	179	<179	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	179	<179	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	179	<179	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	179	<179	ug/kg dry	
Bis(2-chloroisopropyl) ether		238	<238	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	358	<358	ug/kg dry	
Butyl benzyl phthalate	85-68-7	358	<358	ug/kg dry	
Carbazole	86-74-8	179	<179	ug/kg dry	
Chrysene	218-01-9	238	<238	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	179	<179	ug/kg dry	
Dibenzofuran	132-64-9	238	<238	ug/kg dry	
Diethyl phthalate	84-66-2	238	<238	ug/kg dry	
Dimethyl phthalate	131-11-3	238	<238	ug/kg dry	
Di-n-butyl phthalate	84-74-2	358	<358	ug/kg dry	
Di-n-octyl phthalate	117-84-0	358	<358	ug/kg dry	
Fluoranthene	206-44-0	238	<238	ug/kg dry	
Fluorene	86-73-7	238	<238	ug/kg dry	
Hexachlorobenzene	118-74-1	238	<238	ug/kg dry	
Hexachlorobutadiene	87-68-3	238	<238	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	358	<358	ug/kg dry	
Hexachloroethane	67-72-1	179	<179	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	179	<179	ug/kg dry	
Isophorone	78-59-1	358	<358	ug/kg dry	
Naphthalene	91-20-3	238	<238	ug/kg dry	
Nitrobenzene	98-95-3	238	<238	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	179	<179	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	179	<179	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	179	<179	ug/kg dry	
Pentachlorophenol	87-86-5	358	<358	ug/kg dry	
Phenanthrene	85-01-8	238	<238	ug/kg dry	
Phenol	108-95-2	179	<179	ug/kg dry	
Pyrene	129-00-0	238	<238	ug/kg dry	
Pyridine	110-86-1	238	<238	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Pyrene (1)	000129-00-0	NA	417	ug/kg dry	
Trichloroethylene (1)	000079-01-6	NA	562	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	53	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	39	28.1-113	
Nitrobenzene-d5	4165-60-0	44	30.3-117	
Phenol-d6	13127-88-3	44	26.7-119	
Terphenyl-d14	1718-51-0	70	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	118	50-200	
Acenaphthene-d10	15067-26-2	99	50-200	
Chrysene-d12	1719-03-5	105	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Perylene-d12	1520-96-3	100	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	179	<179	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	179	<179	ug/kg dry	4.J
Acetophenone	989-86-2	179	<179	ug/kg dry	
Atrazine	1912-24-9	179	<179	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	179	<179	ug/kg dry	4.K
Caprolactam	105-60-2	179	<179	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	53	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	39	28.1-113	
Nitrobenzene-d5	4165-60-0	44	30.3-117	
Phenol-d6	13127-88-3	44	26.7-119	
Terphenyl-d14	1718-51-0	70	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	118	50-200	
Acenaphthene-d10	15067-26-2	99	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05 % Solid:83.881
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.15	<7.15	ug/kg dry	
4,4'-DDE	72-55-9	7.15	<7.15	ug/kg dry	
4,4'-DDT	50-29-3	7.15	<7.15	ug/kg dry	
Aldrin	309-00-2	7.15	<7.15	ug/kg dry	
alpha-BHC	319-84-6	17.9	<17.9	ug/kg dry	
beta-BHC	319-85-7	17.9	<17.9	ug/kg dry	
cis-Chlordane	5103-71-9	17.9	<17.9	ug/kg dry	
delta-BHC	319-86-8	17.9	<17.9	ug/kg dry	
Dieldrin	60-57-1	7.15	<7.15	ug/kg dry	
Endosulfan I	959-98-8	17.9	<17.9	ug/kg dry	
Endosulfan II	33213-65-9	17.9	<17.9	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.9	<17.9	ug/kg dry	
Endrin	72-20-8	17.9	<17.9	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.9	<17.9	ug/kg dry	
Endrin Ketone	53494-70-5	17.9	<17.9	ug/kg dry	
gamma-BHC	58-89-9	17.9	<17.9	ug/kg dry	
Heptachlor	76-44-8	17.9	<17.9	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.9	<17.9	ug/kg dry	
Methoxychlor	72-43-5	17.9	<17.9	ug/kg dry	
Mirex	2385-85-5	17.9	<17.9	ug/kg dry	
Toxaphene	8001-35-2	358	<358	ug/kg dry	
trans-Chlordane	5103-74-2	17.9	<17.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	73	52.6-153	
Tetrachloro-m-xylene	877-09-8	65	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	97	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05	% Solid:83.881
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	179	<179	ug/kg dry	
Aroclor-1221	11104-28-2	179	<179	ug/kg dry	
Aroclor-1232	11141-16-5	179	<179	ug/kg dry	
Aroclor-1242	53469-21-9	179	<179	ug/kg dry	
Aroclor-1248	12672-29-6	179	<179	ug/kg dry	
Aroclor-1254	11097-69-1	179	<179	ug/kg dry	
Aroclor-1260	11096-82-5	179	<179	ug/kg dry	
Aroclor-1262	37324-23-5	179	<179	ug/kg dry	
Aroclor-1268	11100-14-4	179	<179	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	56	47.4-148	
Tetrachloro-m-xylene	877-09-8	54	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:45	Sample ID: N SLAB	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-05	% Solid:83.881
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	226	7830	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.9	82.9	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.58	<7.58	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	453	2220	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.9	24.6	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	226	14600	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.9	36.3	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	226	2950	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.9	246	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	226	1970	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	37.7	<37.7	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.71	<4.71	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	453	<453	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.9	<18.9	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.9	25.9	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.9	117	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.596	<0.596	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.006	<0.006	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.52	<5.52	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.52	<5.52	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.52	<5.52	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.52	<5.52	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.52	<5.52	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.52	<5.52	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.52	<5.52	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.52	<5.52	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.52	<5.52	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.52	<5.52	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.52	<5.52	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.52	<5.52	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.52	<5.52	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.52	<5.52	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.52	<5.52	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.52	<5.52	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.52	<5.52	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.52	<5.52	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.52	<5.52	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.52	<5.52	ug/kg dry	
1,4-Dioxane	123-91-1	27.6	<27.6	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.52	<5.52	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.52	<5.52	ug/kg dry	
2-Chlorotoluene	95-49-8	5.52	<5.52	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.52	<5.52	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.0	<11.0	ug/kg dry	
Acetone	67-64-1	22.1	<22.1	ug/kg dry	
Acrolein	107-02-8	11.0	<11.0	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.0	<11.0	ug/kg dry	
Benzene	71-43-2	5.52	<5.52	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.52	<5.52	ug/kg dry	
Bromochloromethane	74-97-5	5.52	<5.52	ug/kg dry	
Bromodichloromethane	75-27-4	5.52	<5.52	ug/kg dry	
Bromoform	75-25-2	5.52	<5.52	ug/kg dry	
Bromomethane	74-83-9	5.52	<5.52	ug/kg dry	
Carbon disulfide	75-15-0	5.52	<5.52	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.52	<5.52	ug/kg dry	
Chlorobenzene	108-90-7	5.52	<5.52	ug/kg dry	
Chloroethane	75-00-3	5.52	<5.52	ug/kg dry	
Chloroform	67-66-3	5.52	<5.52	ug/kg dry	
Chloromethane	74-87-3	5.52	<5.52	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.52	<5.52	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.0	<11.0	ug/kg dry	
Dibromochloromethane	124-48-1	5.52	<5.52	ug/kg dry	
Dibromomethane	74-95-3	5.52	<5.52	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.52	<5.52	ug/kg dry	
Ethylbenzene	100-41-4	5.52	<5.52	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.52	<5.52	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.52	<5.52	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.0	<11.0	ug/kg dry	
Methyl Acetate	79-20-9	5.52	<5.52	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.0	<11.0	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.0	<11.0	ug/kg dry	
Methylene Chloride	75-09-2	5.52	<5.52	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.52	<5.52	ug/kg dry	
n-Butylbenzene	104-51-8	5.52	<5.52	ug/kg dry	
o-Xylene	95-47-6	5.52	<5.52	ug/kg dry	
sec-Butylbenzene	135-98-8	5.52	<5.52	ug/kg dry	
Styrene	100-42-5	5.52	<5.52	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.0	<11.0	ug/kg dry	
tert-Butylbenzene	98-06-6	5.52	<5.52	ug/kg dry	
Tetrachloroethene	127-18-4	5.52	<5.52	ug/kg dry	
Toluene	108-88-3	5.52	<5.52	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.52	<5.52	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.52	<5.52	ug/kg dry	
Trichloroethene	79-01-6	5.52	<5.52	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.52	<5.52	ug/kg dry	
Vinyl chloride	75-01-4	5.52	<5.52	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	114	72.1-142	
4-Bromofluorobenzene	460-00-4	104	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	83	50-200	
1,4-Difluorobenzene	540-36-3	85	50-200	
Chlorobenzene-d5	3114-55-4	84	50-200	
Pentafluorobenzene	363-72-4	84	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	238	<238	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	238	<238	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	238	<238	ug/kg dry	
2,4-Dichlorophenol	120-83-2	178	<178	ug/kg dry	
2,4-Dimethylphenol	105-67-9	178	<178	ug/kg dry	
2,4-Dinitrophenol	51-28-5	356	<356	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	238	<238	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	238	<238	ug/kg dry	
2-Chloronaphthalene	91-58-7	178	<178	ug/kg dry	
2-Chlorophenol	95-57-8	178	<178	ug/kg dry	
2-Methylnaphthalene	91-57-6	178	<178	ug/kg dry	
2-Methylphenol	95-48-7	356	<356	ug/kg dry	
2-Nitroaniline	88-74-4	356	<356	ug/kg dry	
2-Nitrophenol	88-75-5	356	<356	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	356	<356	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	178	<178	ug/kg dry	
3-Nitroaniline	99-09-2	238	<238	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	356	<356	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	238	<238	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	238	<238	ug/kg dry	
4-Chloroaniline	106-47-8	178	<178	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	238	<238	ug/kg dry	
4-Nitroaniline	100-01-6	356	<356	ug/kg dry	
4-Nitrophenol	100-02-7	356	<356	ug/kg dry	
Acenaphthene	83-32-9	238	<238	ug/kg dry	
Acenaphthylene	208-96-8	178	<178	ug/kg dry	
Aniline	62-53-3	238	<238	ug/kg dry	
Anthracene	120-12-7	238	<238	ug/kg dry	
Benzidine	92-87-5	831	<831	ug/kg dry	
Benzo(a)anthracene	56-55-3	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	178	<178	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	356	<356	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	178	<178	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	178	<178	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	178	<178	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	178	<178	ug/kg dry	
Bis(2-chloroisopropyl) ether		238	<238	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	356	<356	ug/kg dry	
Butyl benzyl phthalate	85-68-7	356	<356	ug/kg dry	
Carbazole	86-74-8	178	<178	ug/kg dry	
Chrysene	218-01-9	238	<238	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	178	<178	ug/kg dry	
Dibenzofuran	132-64-9	238	<238	ug/kg dry	
Diethyl phthalate	84-66-2	238	<238	ug/kg dry	
Dimethyl phthalate	131-11-3	238	<238	ug/kg dry	
Di-n-butyl phthalate	84-74-2	356	<356	ug/kg dry	
Di-n-octyl phthalate	117-84-0	356	<356	ug/kg dry	
Fluoranthene	206-44-0	238	<238	ug/kg dry	
Fluorene	86-73-7	238	<238	ug/kg dry	
Hexachlorobenzene	118-74-1	238	<238	ug/kg dry	
Hexachlorobutadiene	87-68-3	238	<238	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	356	<356	ug/kg dry	
Hexachloroethane	67-72-1	178	<178	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	178	<178	ug/kg dry	
Isophorone	78-59-1	356	<356	ug/kg dry	
Naphthalene	91-20-3	238	<238	ug/kg dry	
Nitrobenzene	98-95-3	238	<238	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	178	<178	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	178	<178	ug/kg dry	
Pentachlorophenol	87-86-5	356	<356	ug/kg dry	
Phenanthrene	85-01-8	238	<238	ug/kg dry	
Phenol	108-95-2	178	<178	ug/kg dry	
Pyrene	129-00-0	238	<238	ug/kg dry	
Pyridine	110-86-1	238	<238	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	896	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	61	28.3-111	
2-Fluorobiphenyl	321-60-8	50	30.1-118	
2-Fluorophenol	367-12-4	45	28.1-113	
Nitrobenzene-d5	4165-60-0	51	30.3-117	
Phenol-d6	13127-88-3	47	26.7-119	
Terphenyl-d14	1718-51-0	78	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	123	50-200	
Acenaphthene-d10	15067-26-2	102	50-200	
Chrysene-d12	1719-03-5	104	50-200	
Naphthalene-d8	1146-65-2	144	50-200	
Perylene-d12	1520-96-3	100	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06 % Solid:84.202
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	178	<178	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	178	<178	ug/kg dry	4.J
Acetophenone	989-86-2	178	<178	ug/kg dry	
Atrazine	1912-24-9	178	<178	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	178	<178	ug/kg dry	4.K
Caprolactam	105-60-2	178	<178	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	61	28.3-111	
2-Fluorobiphenyl	321-60-8	50	30.1-118	
2-Fluorophenol	367-12-4	45	28.1-113	
Nitrobenzene-d5	4165-60-0	51	30.3-117	
Phenol-d6	13127-88-3	47	26.7-119	
Terphenyl-d14	1718-51-0	78	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	123	50-200	
Acenaphthene-d10	15067-26-2	102	50-200	
Naphthalene-d8	1146-65-2	144	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06	% Solid:84.202
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.13	<7.13	ug/kg dry	
4,4'-DDE	72-55-9	7.13	<7.13	ug/kg dry	
4,4'-DDT	50-29-3	7.13	<7.13	ug/kg dry	
Aldrin	309-00-2	7.13	<7.13	ug/kg dry	
alpha-BHC	319-84-6	17.8	<17.8	ug/kg dry	
beta-BHC	319-85-7	17.8	<17.8	ug/kg dry	
cis-Chlordane	5103-71-9	17.8	<17.8	ug/kg dry	
delta-BHC	319-86-8	17.8	<17.8	ug/kg dry	
Dieldrin	60-57-1	7.13	<7.13	ug/kg dry	
Endosulfan I	959-98-8	17.8	<17.8	ug/kg dry	
Endosulfan II	33213-65-9	17.8	<17.8	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.8	<17.8	ug/kg dry	
Endrin	72-20-8	17.8	<17.8	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.8	<17.8	ug/kg dry	
Endrin Ketone	53494-70-5	17.8	<17.8	ug/kg dry	
gamma-BHC	58-89-9	17.8	<17.8	ug/kg dry	
Heptachlor	76-44-8	17.8	<17.8	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.8	<17.8	ug/kg dry	
Methoxychlor	72-43-5	17.8	<17.8	ug/kg dry	
Mirex	2385-85-5	17.8	<17.8	ug/kg dry	
Toxaphene	8001-35-2	356	<356	ug/kg dry	
trans-Chlordane	5103-74-2	17.8	<17.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	82	52.6-153	
Tetrachloro-m-xylene	877-09-8	67	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06	% Solid:84.202
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	178	<178	ug/kg dry	
Aroclor-1221	11104-28-2	178	<178	ug/kg dry	
Aroclor-1232	11141-16-5	178	<178	ug/kg dry	
Aroclor-1242	53469-21-9	178	<178	ug/kg dry	
Aroclor-1248	12672-29-6	178	<178	ug/kg dry	
Aroclor-1254	11097-69-1	178	<178	ug/kg dry	
Aroclor-1260	11096-82-5	178	<178	ug/kg dry	
Aroclor-1262	37324-23-5	178	<178	ug/kg dry	
Aroclor-1268	11100-14-4	178	<178	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	88	47.4-148	
Tetrachloro-m-xylene	877-09-8	72	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	102	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:50	Sample ID: S SLAB	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-06	% Solid:84.202
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	225	7520	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.8	72.2	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.55	<7.55	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	451	2360	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.8	20.8	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	225	14000	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.8	24.6	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	225	3030	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.8	253	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	225	1920	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	37.5	<37.5	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.69	<4.69	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	451	480	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.8	<18.8	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.8	26.8	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.8	73.6	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.594	<0.594	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.007	<0.007	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.37	<5.37	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.37	<5.37	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.37	<5.37	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.37	<5.37	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.37	<5.37	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.37	<5.37	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.37	<5.37	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.37	<5.37	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.37	<5.37	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.37	<5.37	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.37	<5.37	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.37	<5.37	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.37	<5.37	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.37	<5.37	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.37	<5.37	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.37	<5.37	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.37	<5.37	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.37	<5.37	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.37	<5.37	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.37	<5.37	ug/kg dry	
1,4-Dioxane	123-91-1	26.8	<26.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.37	<5.37	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.37	<5.37	ug/kg dry	
2-Chlorotoluene	95-49-8	5.37	<5.37	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.37	<5.37	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.7	<10.7	ug/kg dry	
Acetone	67-64-1	21.5	<21.5	ug/kg dry	
Acrolein	107-02-8	10.7	<10.7	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.7	<10.7	ug/kg dry	
Benzene	71-43-2	5.37	<5.37	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.37	<5.37	ug/kg dry	
Bromochloromethane	74-97-5	5.37	<5.37	ug/kg dry	
Bromodichloromethane	75-27-4	5.37	<5.37	ug/kg dry	
Bromoform	75-25-2	5.37	<5.37	ug/kg dry	
Bromomethane	74-83-9	5.37	<5.37	ug/kg dry	
Carbon disulfide	75-15-0	5.37	<5.37	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.37	<5.37	ug/kg dry	
Chlorobenzene	108-90-7	5.37	<5.37	ug/kg dry	
Chloroethane	75-00-3	5.37	<5.37	ug/kg dry	
Chloroform	67-66-3	5.37	<5.37	ug/kg dry	
Chloromethane	74-87-3	5.37	<5.37	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.37	<5.37	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.7	<10.7	ug/kg dry	
Dibromochloromethane	124-48-1	5.37	<5.37	ug/kg dry	
Dibromomethane	74-95-3	5.37	<5.37	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.37	<5.37	ug/kg dry	
Ethylbenzene	100-41-4	5.37	<5.37	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.37	<5.37	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.37	<5.37	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.7	<10.7	ug/kg dry	
Methyl Acetate	79-20-9	5.37	<5.37	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.7	<10.7	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.7	<10.7	ug/kg dry	
Methylene Chloride	75-09-2	5.37	<5.37	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.37	<5.37	ug/kg dry	
n-Butylbenzene	104-51-8	5.37	<5.37	ug/kg dry	
o-Xylene	95-47-6	5.37	<5.37	ug/kg dry	
sec-Butylbenzene	135-98-8	5.37	<5.37	ug/kg dry	
Styrene	100-42-5	5.37	<5.37	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	10.7	<10.7	ug/kg dry	
tert-Butylbenzene	98-06-6	5.37	<5.37	ug/kg dry	
Tetrachloroethene	127-18-4	5.37	<5.37	ug/kg dry	
Toluene	108-88-3	5.37	<5.37	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.37	<5.37	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.37	<5.37	ug/kg dry	
Trichloroethene	79-01-6	5.37	<5.37	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.37	<5.37	ug/kg dry	
Vinyl chloride	75-01-4	5.37	<5.37	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	115	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	102	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	85	50-200	
1,4-Difluorobenzene	540-36-3	84	50-200	
Chlorobenzene-d5	3114-55-4	83	50-200	
Pentafluorobenzene	363-72-4	83	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	241	<241	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	241	<241	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	241	<241	ug/kg dry	
2,4-Dichlorophenol	120-83-2	181	<181	ug/kg dry	
2,4-Dimethylphenol	105-67-9	181	<181	ug/kg dry	
2,4-Dinitrophenol	51-28-5	361	<361	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	241	<241	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	241	<241	ug/kg dry	
2-Chloronaphthalene	91-58-7	181	<181	ug/kg dry	
2-Chlorophenol	95-57-8	181	<181	ug/kg dry	
2-Methylnaphthalene	91-57-6	181	<181	ug/kg dry	
2-Methylphenol	95-48-7	361	<361	ug/kg dry	
2-Nitroaniline	88-74-4	361	<361	ug/kg dry	
2-Nitrophenol	88-75-5	361	<361	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	361	<361	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	181	<181	ug/kg dry	
3-Nitroaniline	99-09-2	241	<241	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	361	<361	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	241	<241	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	241	<241	ug/kg dry	
4-Chloroaniline	106-47-8	181	<181	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	241	<241	ug/kg dry	
4-Nitroaniline	100-01-6	361	<361	ug/kg dry	
4-Nitrophenol	100-02-7	361	<361	ug/kg dry	
Acenaphthene	83-32-9	241	<241	ug/kg dry	
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Aniline	62-53-3	241	<241	ug/kg dry	
Anthracene	120-12-7	241	<241	ug/kg dry	
Benzidine	92-87-5	843	<843	ug/kg dry	
Benzo(a)anthracene	56-55-3	181	<181	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	181	<181	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	361	<361	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	181	<181	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	181	<181	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	181	<181	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	181	<181	ug/kg dry	
Bis(2-chloroisopropyl) ether		241	<241	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	361	<361	ug/kg dry	
Butyl benzyl phthalate	85-68-7	361	<361	ug/kg dry	
Carbazole	86-74-8	181	<181	ug/kg dry	
Chrysene	218-01-9	241	<241	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	<181	ug/kg dry	
Dibenzofuran	132-64-9	241	<241	ug/kg dry	
Diethyl phthalate	84-66-2	241	<241	ug/kg dry	
Dimethyl phthalate	131-11-3	241	<241	ug/kg dry	
Di-n-butyl phthalate	84-74-2	361	<361	ug/kg dry	
Di-n-octyl phthalate	117-84-0	361	<361	ug/kg dry	
Fluoranthene	206-44-0	241	<241	ug/kg dry	
Fluorene	86-73-7	241	<241	ug/kg dry	
Hexachlorobenzene	118-74-1	241	<241	ug/kg dry	
Hexachlorobutadiene	87-68-3	241	<241	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	361	<361	ug/kg dry	
Hexachloroethane	67-72-1	181	<181	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	
Isophorone	78-59-1	361	<361	ug/kg dry	
Naphthalene	91-20-3	241	<241	ug/kg dry	
Nitrobenzene	98-95-3	241	<241	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	181	<181	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	181	<181	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	181	<181	ug/kg dry	
Pentachlorophenol	87-86-5	361	<361	ug/kg dry	
Phenanthrene	85-01-8	241	<241	ug/kg dry	
Phenol	108-95-2	181	<181	ug/kg dry	
Pyrene	129-00-0	241	<241	ug/kg dry	
Pyridine	110-86-1	241	<241	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	532	ug/kg dry	
Benz[e]acephenanthrylene (1)	000205-99-2	NA	387	ug/kg dry	
Phorone (1)	000504-20-1	NA	309	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	53	28.3-111	
2-Fluorobiphenyl	321-60-8	44	30.1-118	
2-Fluorophenol	367-12-4	33	28.1-113	
Nitrobenzene-d5	4165-60-0	37	30.3-117	
Phenol-d6	13127-88-3	38	26.7-119	
Terphenyl-d14	1718-51-0	68	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	141	50-200	
Acenaphthene-d10	15067-26-2	112	50-200	
Chrysene-d12	1719-03-5	110	50-200	
Naphthalene-d8	1146-65-2	160	50-200	
Perylene-d12	1520-96-3	105	50-200	
Phenanthrene-d10	1517-22-2	102	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	181	<181	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	181	<181	ug/kg dry	4.J
Acetophenone	989-86-2	181	<181	ug/kg dry	
Atrazine	1912-24-9	181	<181	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	181	<181	ug/kg dry	4.K
Caprolactam	105-60-2	181	<181	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	53	28.3-111	
2-Fluorobiphenyl	321-60-8	44	30.1-118	
2-Fluorophenol	367-12-4	33	28.1-113	
Nitrobenzene-d5	4165-60-0	37	30.3-117	
Phenol-d6	13127-88-3	38	26.7-119	
Terphenyl-d14	1718-51-0	68	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	141	50-200	
Acenaphthene-d10	15067-26-2	112	50-200	
Naphthalene-d8	1146-65-2	160	50-200	
Phenanthrene-d10	1517-22-2	102	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07 % Solid:83.034
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.23	<7.23	ug/kg dry	
4,4'-DDE	72-55-9	7.23	<7.23	ug/kg dry	
4,4'-DDT	50-29-3	7.23	<7.23	ug/kg dry	
Aldrin	309-00-2	7.23	<7.23	ug/kg dry	
alpha-BHC	319-84-6	18.1	<18.1	ug/kg dry	
beta-BHC	319-85-7	18.1	<18.1	ug/kg dry	
cis-Chlordane	5103-71-9	18.1	<18.1	ug/kg dry	
delta-BHC	319-86-8	18.1	<18.1	ug/kg dry	
Dieldrin	60-57-1	7.23	<7.23	ug/kg dry	
Endosulfan I	959-98-8	18.1	<18.1	ug/kg dry	
Endosulfan II	33213-65-9	18.1	<18.1	ug/kg dry	
Endosulfan Sulfate	1031-07-8	18.1	<18.1	ug/kg dry	
Endrin	72-20-8	18.1	<18.1	ug/kg dry	
Endrin Aldehyde	7421-93-4	18.1	<18.1	ug/kg dry	
Endrin Ketone	53494-70-5	18.1	<18.1	ug/kg dry	
gamma-BHC	58-89-9	18.1	<18.1	ug/kg dry	
Heptachlor	76-44-8	18.1	<18.1	ug/kg dry	
Heptachlor Epoxide	1024-57-3	18.1	<18.1	ug/kg dry	
Methoxychlor	72-43-5	18.1	<18.1	ug/kg dry	
Mirex	2385-85-5	18.1	<18.1	ug/kg dry	
Toxaphene	8001-35-2	361	<361	ug/kg dry	
trans-Chlordane	5103-74-2	18.1	<18.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	71	52.6-153	
Tetrachloro-m-xylene	877-09-8	61	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	98	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07	% Solid:83.034
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	181	<181	ug/kg dry	
Aroclor-1221	11104-28-2	181	<181	ug/kg dry	
Aroclor-1232	11141-16-5	181	<181	ug/kg dry	
Aroclor-1242	53469-21-9	181	<181	ug/kg dry	
Aroclor-1248	12672-29-6	181	<181	ug/kg dry	
Aroclor-1254	11097-69-1	181	<181	ug/kg dry	
Aroclor-1260	11096-82-5	181	<181	ug/kg dry	
Aroclor-1262	37324-23-5	181	<181	ug/kg dry	
Aroclor-1268	11100-14-4	181	<181	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	62	47.4-148	
Tetrachloro-m-xylene	877-09-8	58	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	106	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 08:55	Sample ID: 1	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-07	% Solid:83.034
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	193	6680	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	16.1	68.8	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	6.47	<6.47	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	386	1650	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	16.1	22.4	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	193	14600	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	16.1	46.7	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	193	2490	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	16.1	230	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	193	1740	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	32.2	<32.2	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.02	<4.02	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	386	<386	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	16.1	<16.1	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	16.1	21.5	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	16.1	88.8	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.602	<0.602	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.006	0.009	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.56	<5.56	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.56	<5.56	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.56	<5.56	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.56	<5.56	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.56	<5.56	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.56	<5.56	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.56	<5.56	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.56	<5.56	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.56	<5.56	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.56	<5.56	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.56	<5.56	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.56	<5.56	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.56	<5.56	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.56	<5.56	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.56	<5.56	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.56	<5.56	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.56	<5.56	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.56	<5.56	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.56	<5.56	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.56	<5.56	ug/kg dry	
1,4-Dioxane	123-91-1	27.8	<27.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.56	<5.56	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.56	<5.56	ug/kg dry	
2-Chlorotoluene	95-49-8	5.56	<5.56	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.56	<5.56	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.1	<11.1	ug/kg dry	
Acetone	67-64-1	22.3	<22.3	ug/kg dry	
Acrolein	107-02-8	11.1	<11.1	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.1	<11.1	ug/kg dry	
Benzene	71-43-2	5.56	<5.56	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.56	<5.56	ug/kg dry	
Bromochloromethane	74-97-5	5.56	<5.56	ug/kg dry	
Bromodichloromethane	75-27-4	5.56	<5.56	ug/kg dry	
Bromoform	75-25-2	5.56	<5.56	ug/kg dry	
Bromomethane	74-83-9	5.56	<5.56	ug/kg dry	
Carbon disulfide	75-15-0	5.56	<5.56	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.56	<5.56	ug/kg dry	
Chlorobenzene	108-90-7	5.56	<5.56	ug/kg dry	
Chloroethane	75-00-3	5.56	<5.56	ug/kg dry	
Chloroform	67-66-3	5.56	<5.56	ug/kg dry	
Chloromethane	74-87-3	5.56	<5.56	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.56	<5.56	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.1	<11.1	ug/kg dry	
Dibromochloromethane	124-48-1	5.56	<5.56	ug/kg dry	
Dibromomethane	74-95-3	5.56	<5.56	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.56	<5.56	ug/kg dry	
Ethylbenzene	100-41-4	5.56	<5.56	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.56	<5.56	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.56	<5.56	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.1	<11.1	ug/kg dry	
Methyl Acetate	79-20-9	5.56	<5.56	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.1	<11.1	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.1	<11.1	ug/kg dry	
Methylene Chloride	75-09-2	5.56	<5.56	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.56	<5.56	ug/kg dry	
n-Butylbenzene	104-51-8	5.56	<5.56	ug/kg dry	
o-Xylene	95-47-6	5.56	<5.56	ug/kg dry	
sec-Butylbenzene	135-98-8	5.56	<5.56	ug/kg dry	
Styrene	100-42-5	5.56	<5.56	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.1	<11.1	ug/kg dry	
tert-Butylbenzene	98-06-6	5.56	<5.56	ug/kg dry	
Tetrachloroethene	127-18-4	5.56	<5.56	ug/kg dry	
Toluene	108-88-3	5.56	<5.56	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.56	<5.56	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.56	<5.56	ug/kg dry	
Trichloroethene	79-01-6	5.56	<5.56	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.56	<5.56	ug/kg dry	
Vinyl chloride	75-01-4	5.56	<5.56	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	116	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	101	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	82	50-200	
1,4-Difluorobenzene	540-36-3	83	50-200	
Chlorobenzene-d5	3114-55-4	82	50-200	
Pentafluorobenzene	363-72-4	83	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	245	<245	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	245	<245	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	245	<245	ug/kg dry	
2,4-Dichlorophenol	120-83-2	184	<184	ug/kg dry	
2,4-Dimethylphenol	105-67-9	184	<184	ug/kg dry	
2,4-Dinitrophenol	51-28-5	367	<367	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	245	<245	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	245	<245	ug/kg dry	
2-Chloronaphthalene	91-58-7	184	<184	ug/kg dry	
2-Chlorophenol	95-57-8	184	<184	ug/kg dry	
2-Methylnaphthalene	91-57-6	184	<184	ug/kg dry	
2-Methylphenol	95-48-7	367	<367	ug/kg dry	
2-Nitroaniline	88-74-4	367	<367	ug/kg dry	
2-Nitrophenol	88-75-5	367	<367	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	367	<367	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	184	<184	ug/kg dry	
3-Nitroaniline	99-09-2	245	<245	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	367	<367	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	245	<245	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	245	<245	ug/kg dry	
4-Chloroaniline	106-47-8	184	<184	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	245	<245	ug/kg dry	
4-Nitroaniline	100-01-6	367	<367	ug/kg dry	
4-Nitrophenol	100-02-7	367	<367	ug/kg dry	
Acenaphthene	83-32-9	245	<245	ug/kg dry	
Acenaphthylene	208-96-8	184	<184	ug/kg dry	
Aniline	62-53-3	245	<245	ug/kg dry	
Anthracene	120-12-7	245	<245	ug/kg dry	
Benzidine	92-87-5	857	<857	ug/kg dry	
Benzo(a)anthracene	56-55-3	184	<184	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	184	<184	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	367	<367	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	184	<184	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	184	<184	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	184	<184	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	184	<184	ug/kg dry	
Bis(2-chloroisopropyl) ether		245	<245	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	367	<367	ug/kg dry	
Butyl benzyl phthalate	85-68-7	367	<367	ug/kg dry	
Carbazole	86-74-8	184	<184	ug/kg dry	
Chrysene	218-01-9	245	<245	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	184	<184	ug/kg dry	
Dibenzofuran	132-64-9	245	<245	ug/kg dry	
Diethyl phthalate	84-66-2	245	<245	ug/kg dry	
Dimethyl phthalate	131-11-3	245	<245	ug/kg dry	
Di-n-butyl phthalate	84-74-2	367	<367	ug/kg dry	
Di-n-octyl phthalate	117-84-0	367	<367	ug/kg dry	
Fluoranthene	206-44-0	245	<245	ug/kg dry	
Fluorene	86-73-7	245	<245	ug/kg dry	
Hexachlorobenzene	118-74-1	245	<245	ug/kg dry	
Hexachlorobutadiene	87-68-3	245	<245	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	367	<367	ug/kg dry	
Hexachloroethane	67-72-1	184	<184	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	184	<184	ug/kg dry	
Isophorone	78-59-1	367	<367	ug/kg dry	
Naphthalene	91-20-3	245	<245	ug/kg dry	
Nitrobenzene	98-95-3	245	<245	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	184	<184	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	184	<184	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	184	<184	ug/kg dry	
Pentachlorophenol	87-86-5	367	<367	ug/kg dry	
Phenanthrene	85-01-8	245	<245	ug/kg dry	
Phenol	108-95-2	184	<184	ug/kg dry	
Pyrene	129-00-0	245	<245	ug/kg dry	
Pyridine	110-86-1	245	<245	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Trichloroethylene (1)	000079-01-6	NA	673	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	66	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	45	28.1-113	
Nitrobenzene-d5	4165-60-0	52	30.3-117	
Phenol-d6	13127-88-3	53	26.7-119	
Terphenyl-d14	1718-51-0	76	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	110	50-200	
Acenaphthene-d10	15067-26-2	95	50-200	
Chrysene-d12	1719-03-5	101	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Perylene-d12	1520-96-3	96	50-200	
Phenanthrene-d10	1517-22-2	99	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	184	<184	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	184	<184	ug/kg dry	4.J
Acetophenone	989-86-2	184	<184	ug/kg dry	
Atrazine	1912-24-9	184	<184	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	184	<184	ug/kg dry	4.K
Caprolactam	105-60-2	184	<184	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	66	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	45	28.1-113	
Nitrobenzene-d5	4165-60-0	52	30.3-117	
Phenol-d6	13127-88-3	53	26.7-119	
Terphenyl-d14	1718-51-0	76	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	110	50-200	
Acenaphthene-d10	15067-26-2	95	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Phenanthrene-d10	1517-22-2	99	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.35	<7.35	ug/kg dry	
4,4'-DDE	72-55-9	7.35	<7.35	ug/kg dry	
4,4'-DDT	50-29-3	7.35	<7.35	ug/kg dry	
Aldrin	309-00-2	7.35	<7.35	ug/kg dry	
alpha-BHC	319-84-6	18.4	<18.4	ug/kg dry	
beta-BHC	319-85-7	18.4	<18.4	ug/kg dry	
cis-Chlordane	5103-71-9	18.4	<18.4	ug/kg dry	
delta-BHC	319-86-8	18.4	<18.4	ug/kg dry	
Dieldrin	60-57-1	7.35	<7.35	ug/kg dry	
Endosulfan I	959-98-8	18.4	<18.4	ug/kg dry	
Endosulfan II	33213-65-9	18.4	<18.4	ug/kg dry	
Endosulfan Sulfate	1031-07-8	18.4	<18.4	ug/kg dry	
Endrin	72-20-8	18.4	<18.4	ug/kg dry	
Endrin Aldehyde	7421-93-4	18.4	<18.4	ug/kg dry	
Endrin Ketone	53494-70-5	18.4	<18.4	ug/kg dry	
gamma-BHC	58-89-9	18.4	<18.4	ug/kg dry	
Heptachlor	76-44-8	18.4	<18.4	ug/kg dry	
Heptachlor Epoxide	1024-57-3	18.4	<18.4	ug/kg dry	
Methoxychlor	72-43-5	18.4	<18.4	ug/kg dry	
Mirex	2385-85-5	18.4	<18.4	ug/kg dry	
Toxaphene	8001-35-2	367	<367	ug/kg dry	
trans-Chlordane	5103-74-2	18.4	<18.4	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	94	52.6-153	
Tetrachloro-m-xylene	877-09-8	76	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	96	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08 % Solid:81.684
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	184	<184	ug/kg dry	
Aroclor-1221	11104-28-2	184	<184	ug/kg dry	
Aroclor-1232	11141-16-5	184	<184	ug/kg dry	
Aroclor-1242	53469-21-9	184	<184	ug/kg dry	
Aroclor-1248	12672-29-6	184	<184	ug/kg dry	
Aroclor-1254	11097-69-1	184	<184	ug/kg dry	
Aroclor-1260	11096-82-5	184	<184	ug/kg dry	
Aroclor-1262	37324-23-5	184	<184	ug/kg dry	
Aroclor-1268	11100-14-4	184	<184	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	91	47.4-148	
Tetrachloro-m-xylene	877-09-8	84	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:00	Sample ID: 2	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-08	% Solid:81.684
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	240	7370	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	20.0	78.9	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	8.04	<8.04	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	480	2610	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	20.0	33.6	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	240	14300	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	20.0	40.1	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	240	3260	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	20.0	254	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	240	1970	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	40.0	<40.0	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.99	<4.99	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	480	<480	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	20.0	<20.0	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	20.0	23.8	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	20.0	187	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.612	<0.612	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.007	<0.007	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.83	<5.83	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.83	<5.83	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.83	<5.83	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.83	<5.83	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.83	<5.83	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.83	<5.83	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.83	<5.83	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.83	<5.83	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.83	<5.83	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.83	<5.83	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.83	<5.83	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.83	<5.83	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.83	<5.83	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.83	<5.83	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.83	<5.83	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.83	<5.83	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.83	<5.83	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.83	<5.83	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.83	<5.83	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.83	<5.83	ug/kg dry	
1,4-Dioxane	123-91-1	29.2	<29.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.83	<5.83	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.83	<5.83	ug/kg dry	
2-Chlorotoluene	95-49-8	5.83	<5.83	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.83	<5.83	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.7	<11.7	ug/kg dry	
Acetone	67-64-1	23.3	<23.3	ug/kg dry	
Acrolein	107-02-8	11.7	<11.7	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.7	<11.7	ug/kg dry	
Benzene	71-43-2	5.83	<5.83	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.83	<5.83	ug/kg dry	
Bromochloromethane	74-97-5	5.83	<5.83	ug/kg dry	
Bromodichloromethane	75-27-4	5.83	<5.83	ug/kg dry	
Bromoform	75-25-2	5.83	<5.83	ug/kg dry	
Bromomethane	74-83-9	5.83	<5.83	ug/kg dry	
Carbon disulfide	75-15-0	5.83	<5.83	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.83	<5.83	ug/kg dry	
Chlorobenzene	108-90-7	5.83	<5.83	ug/kg dry	
Chloroethane	75-00-3	5.83	<5.83	ug/kg dry	
Chloroform	67-66-3	5.83	<5.83	ug/kg dry	
Chloromethane	74-87-3	5.83	<5.83	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.83	<5.83	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.7	<11.7	ug/kg dry	
Dibromochloromethane	124-48-1	5.83	<5.83	ug/kg dry	
Dibromomethane	74-95-3	5.83	<5.83	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.83	<5.83	ug/kg dry	
Ethylbenzene	100-41-4	5.83	<5.83	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.83	<5.83	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.83	<5.83	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.7	<11.7	ug/kg dry	
Methyl Acetate	79-20-9	5.83	<5.83	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.7	<11.7	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.7	<11.7	ug/kg dry	
Methylene Chloride	75-09-2	5.83	<5.83	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.83	<5.83	ug/kg dry	
n-Butylbenzene	104-51-8	5.83	<5.83	ug/kg dry	
o-Xylene	95-47-6	5.83	<5.83	ug/kg dry	
sec-Butylbenzene	135-98-8	5.83	<5.83	ug/kg dry	
Styrene	100-42-5	5.83	<5.83	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.7	<11.7	ug/kg dry	
tert-Butylbenzene	98-06-6	5.83	<5.83	ug/kg dry	
Tetrachloroethene	127-18-4	5.83	<5.83	ug/kg dry	
Toluene	108-88-3	5.83	<5.83	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.83	<5.83	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.83	<5.83	ug/kg dry	
Trichloroethene	79-01-6	5.83	<5.83	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.83	<5.83	ug/kg dry	
Vinyl chloride	75-01-4	5.83	<5.83	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	118	72.1-142	
4-Bromofluorobenzene	460-00-4	102	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	83	50-200	
1,4-Difluorobenzene	540-36-3	84	50-200	
Chlorobenzene-d5	3114-55-4	83	50-200	
Pentafluorobenzene	363-72-4	83	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	238	<238	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	238	<238	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	238	<238	ug/kg dry	
2,4-Dichlorophenol	120-83-2	179	<179	ug/kg dry	
2,4-Dimethylphenol	105-67-9	179	<179	ug/kg dry	
2,4-Dinitrophenol	51-28-5	358	<358	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	238	<238	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	238	<238	ug/kg dry	
2-Chloronaphthalene	91-58-7	179	<179	ug/kg dry	
2-Chlorophenol	95-57-8	179	<179	ug/kg dry	
2-Methylnaphthalene	91-57-6	179	<179	ug/kg dry	
2-Methylphenol	95-48-7	358	<358	ug/kg dry	
2-Nitroaniline	88-74-4	358	<358	ug/kg dry	
2-Nitrophenol	88-75-5	358	<358	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	358	<358	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	179	<179	ug/kg dry	
3-Nitroaniline	99-09-2	238	<238	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	358	<358	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	238	<238	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	238	<238	ug/kg dry	
4-Chloroaniline	106-47-8	179	<179	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	238	<238	ug/kg dry	
4-Nitroaniline	100-01-6	358	<358	ug/kg dry	
4-Nitrophenol	100-02-7	358	<358	ug/kg dry	
Acenaphthene	83-32-9	238	<238	ug/kg dry	
Acenaphthylene	208-96-8	179	<179	ug/kg dry	
Aniline	62-53-3	238	<238	ug/kg dry	
Anthracene	120-12-7	238	<238	ug/kg dry	
Benzidine	92-87-5	834	<834	ug/kg dry	
Benzo(a)anthracene	56-55-3	179	<179	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	179	<179	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	358	<358	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	179	<179	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	179	<179	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	179	<179	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	179	<179	ug/kg dry	
Bis(2-chloroisopropyl) ether		238	<238	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	358	<358	ug/kg dry	
Butyl benzyl phthalate	85-68-7	358	<358	ug/kg dry	
Carbazole	86-74-8	179	<179	ug/kg dry	
Chrysene	218-01-9	238	<238	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	179	<179	ug/kg dry	
Dibenzofuran	132-64-9	238	<238	ug/kg dry	
Diethyl phthalate	84-66-2	238	<238	ug/kg dry	
Dimethyl phthalate	131-11-3	238	<238	ug/kg dry	
Di-n-butyl phthalate	84-74-2	358	<358	ug/kg dry	
Di-n-octyl phthalate	117-84-0	358	<358	ug/kg dry	
Fluoranthene	206-44-0	238	<238	ug/kg dry	
Fluorene	86-73-7	238	<238	ug/kg dry	
Hexachlorobenzene	118-74-1	238	<238	ug/kg dry	
Hexachlorobutadiene	87-68-3	238	<238	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	358	<358	ug/kg dry	
Hexachloroethane	67-72-1	179	<179	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	179	<179	ug/kg dry	
Isophorone	78-59-1	358	<358	ug/kg dry	
Naphthalene	91-20-3	238	<238	ug/kg dry	
Nitrobenzene	98-95-3	238	<238	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	179	<179	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	179	<179	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	179	<179	ug/kg dry	
Pentachlorophenol	87-86-5	358	<358	ug/kg dry	
Phenanthrene	85-01-8	238	<238	ug/kg dry	
Phenol	108-95-2	179	<179	ug/kg dry	
Pyrene	129-00-0	238	<238	ug/kg dry	
Pyridine	110-86-1	238	<238	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Trichloroethylene (1)	000079-01-6	NA	2220	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	71	28.3-111	
2-Fluorobiphenyl	321-60-8	77	30.1-118	
2-Fluorophenol	367-12-4	52	28.1-113	
Nitrobenzene-d5	4165-60-0	58	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	123	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	115	50-200	
Acenaphthene-d10	15067-26-2	98	50-200	
Chrysene-d12	1719-03-5	104	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Perylene-d12	1520-96-3	99	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	179	<179	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	179	<179	ug/kg dry	4.J
Acetophenone	989-86-2	179	<179	ug/kg dry	
Atrazine	1912-24-9	179	<179	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	179	<179	ug/kg dry	4.K
Caprolactam	105-60-2	179	<179	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	71	28.3-111	
2-Fluorobiphenyl	321-60-8	77	30.1-118	
2-Fluorophenol	367-12-4	52	28.1-113	
Nitrobenzene-d5	4165-60-0	58	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	123	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	115	50-200	
Acenaphthene-d10	15067-26-2	98	50-200	
Naphthalene-d8	1146-65-2	153	50-200	
Phenanthrene-d10	1517-22-2	98	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09 % Solid:83.912
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.15	<7.15	ug/kg dry	
4,4'-DDE	72-55-9	7.15	<7.15	ug/kg dry	
4,4'-DDT	50-29-3	7.15	<7.15	ug/kg dry	
Aldrin	309-00-2	7.15	<7.15	ug/kg dry	
alpha-BHC	319-84-6	17.9	<17.9	ug/kg dry	
beta-BHC	319-85-7	17.9	<17.9	ug/kg dry	
cis-Chlordane	5103-71-9	17.9	<17.9	ug/kg dry	
delta-BHC	319-86-8	17.9	<17.9	ug/kg dry	
Dieldrin	60-57-1	7.15	<7.15	ug/kg dry	
Endosulfan I	959-98-8	17.9	<17.9	ug/kg dry	
Endosulfan II	33213-65-9	17.9	<17.9	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.9	<17.9	ug/kg dry	
Endrin	72-20-8	17.9	<17.9	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.9	<17.9	ug/kg dry	
Endrin Ketone	53494-70-5	17.9	<17.9	ug/kg dry	
gamma-BHC	58-89-9	17.9	<17.9	ug/kg dry	
Heptachlor	76-44-8	17.9	<17.9	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.9	<17.9	ug/kg dry	
Methoxychlor	72-43-5	17.9	<17.9	ug/kg dry	
Mirex	2385-85-5	17.9	<17.9	ug/kg dry	
Toxaphene	8001-35-2	358	<358	ug/kg dry	
trans-Chlordane	5103-74-2	17.9	<17.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	97	52.6-153	
Tetrachloro-m-xylene	877-09-8	68	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	98	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09	% Solid:83.912
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	179	<179	ug/kg dry	
Aroclor-1221	11104-28-2	179	<179	ug/kg dry	
Aroclor-1232	11141-16-5	179	<179	ug/kg dry	
Aroclor-1242	53469-21-9	179	<179	ug/kg dry	
Aroclor-1248	12672-29-6	179	<179	ug/kg dry	
Aroclor-1254	11097-69-1	179	<179	ug/kg dry	
Aroclor-1260	11096-82-5	179	<179	ug/kg dry	
Aroclor-1262	37324-23-5	179	<179	ug/kg dry	
Aroclor-1268	11100-14-4	179	<179	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	110	47.4-148	
Tetrachloro-m-xylene	877-09-8	82	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	104	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:05	Sample ID: 3	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-09	% Solid:83.912
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	195	8410	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	16.3	79.1	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	6.54	<6.54	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	391	2570	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	16.3	17.9	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	16.3	27.9	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	195	14000	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	16.3	37.4	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	195	3040	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	16.3	246	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	195	2120	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	32.5	<32.5	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.06	<4.06	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	391	426	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	16.3	<16.3	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	16.3	24.1	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	16.3	125	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.596	<0.596	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.008	0.008	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.01	<5.01	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.01	<5.01	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.01	<5.01	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.01	<5.01	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.01	<5.01	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.01	<5.01	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.01	<5.01	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.01	<5.01	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.01	<5.01	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.01	<5.01	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.01	<5.01	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.01	<5.01	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.01	<5.01	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.01	<5.01	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.01	<5.01	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.01	<5.01	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.01	<5.01	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.01	<5.01	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.01	<5.01	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.01	<5.01	ug/kg dry	
1,4-Dioxane	123-91-1	25.0	<25.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.01	<5.01	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.01	<5.01	ug/kg dry	
2-Chlorotoluene	95-49-8	5.01	<5.01	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.01	<5.01	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.0	<10.0	ug/kg dry	
Acetone	67-64-1	20.0	<20.0	ug/kg dry	
Acrolein	107-02-8	10.0	<10.0	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.0	<10.0	ug/kg dry	
Benzene	71-43-2	5.01	<5.01	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.01	<5.01	ug/kg dry	
Bromochloromethane	74-97-5	5.01	<5.01	ug/kg dry	
Bromodichloromethane	75-27-4	5.01	<5.01	ug/kg dry	
Bromoform	75-25-2	5.01	<5.01	ug/kg dry	
Bromomethane	74-83-9	5.01	<5.01	ug/kg dry	
Carbon disulfide	75-15-0	5.01	<5.01	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.01	<5.01	ug/kg dry	
Chlorobenzene	108-90-7	5.01	<5.01	ug/kg dry	
Chloroethane	75-00-3	5.01	<5.01	ug/kg dry	
Chloroform	67-66-3	5.01	<5.01	ug/kg dry	
Chloromethane	74-87-3	5.01	<5.01	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.01	<5.01	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.0	<10.0	ug/kg dry	
Dibromochloromethane	124-48-1	5.01	<5.01	ug/kg dry	
Dibromomethane	74-95-3	5.01	<5.01	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.01	<5.01	ug/kg dry	
Ethylbenzene	100-41-4	5.01	<5.01	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.01	<5.01	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.01	<5.01	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.0	<10.0	ug/kg dry	
Methyl Acetate	79-20-9	5.01	<5.01	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.0	<10.0	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.0	<10.0	ug/kg dry	
Methylene Chloride	75-09-2	5.01	<5.01	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.01	<5.01	ug/kg dry	
n-Butylbenzene	104-51-8	5.01	<5.01	ug/kg dry	
o-Xylene	95-47-6	5.01	<5.01	ug/kg dry	
sec-Butylbenzene	135-98-8	5.01	<5.01	ug/kg dry	
Styrene	100-42-5	5.01	<5.01	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	10.0	<10.0	ug/kg dry	
tert-Butylbenzene	98-06-6	5.01	<5.01	ug/kg dry	
Tetrachloroethene	127-18-4	5.01	<5.01	ug/kg dry	
Toluene	108-88-3	5.01	<5.01	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.01	<5.01	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.01	<5.01	ug/kg dry	
Trichloroethene	79-01-6	5.01	<5.01	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.01	<5.01	ug/kg dry	
Vinyl chloride	75-01-4	5.01	<5.01	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	116	72.1-142	
4-Bromofluorobenzene	460-00-4	102	76.1-131	
Dibromofluoromethane	1868-53-7	102	77.6-135	
Toluene-d8	2037-26-5	103	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	83	50-200	
1,4-Difluorobenzene	540-36-3	83	50-200	
Chlorobenzene-d5	3114-55-4	81	50-200	
Pentafluorobenzene	363-72-4	82	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	238	<238	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	238	<238	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	238	<238	ug/kg dry	
2,4-Dichlorophenol	120-83-2	178	<178	ug/kg dry	
2,4-Dimethylphenol	105-67-9	178	<178	ug/kg dry	
2,4-Dinitrophenol	51-28-5	357	<357	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	238	<238	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	238	<238	ug/kg dry	
2-Chloronaphthalene	91-58-7	178	<178	ug/kg dry	
2-Chlorophenol	95-57-8	178	<178	ug/kg dry	
2-Methylnaphthalene	91-57-6	178	<178	ug/kg dry	
2-Methylphenol	95-48-7	357	<357	ug/kg dry	
2-Nitroaniline	88-74-4	357	<357	ug/kg dry	
2-Nitrophenol	88-75-5	357	<357	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	357	<357	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	178	<178	ug/kg dry	
3-Nitroaniline	99-09-2	238	<238	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	357	<357	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	238	<238	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	238	<238	ug/kg dry	
4-Chloroaniline	106-47-8	178	<178	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	238	<238	ug/kg dry	
4-Nitroaniline	100-01-6	357	<357	ug/kg dry	
4-Nitrophenol	100-02-7	357	<357	ug/kg dry	
Acenaphthene	83-32-9	238	<238	ug/kg dry	
Acenaphthylene	208-96-8	178	<178	ug/kg dry	
Aniline	62-53-3	238	<238	ug/kg dry	
Anthracene	120-12-7	238	<238	ug/kg dry	
Benzidine	92-87-5	833	<833	ug/kg dry	
Benzo(a)anthracene	56-55-3	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	178	<178	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	357	<357	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	178	<178	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	178	<178	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	178	<178	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	178	<178	ug/kg dry	
Bis(2-chloroisopropyl) ether		238	<238	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	357	<357	ug/kg dry	
Butyl benzyl phthalate	85-68-7	357	<357	ug/kg dry	
Carbazole	86-74-8	178	<178	ug/kg dry	
Chrysene	218-01-9	238	<238	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	178	<178	ug/kg dry	
Dibenzofuran	132-64-9	238	<238	ug/kg dry	
Diethyl phthalate	84-66-2	238	<238	ug/kg dry	
Dimethyl phthalate	131-11-3	238	<238	ug/kg dry	
Di-n-butyl phthalate	84-74-2	357	<357	ug/kg dry	
Di-n-octyl phthalate	117-84-0	357	<357	ug/kg dry	
Fluoranthene	206-44-0	238	<238	ug/kg dry	
Fluorene	86-73-7	238	<238	ug/kg dry	
Hexachlorobenzene	118-74-1	238	<238	ug/kg dry	
Hexachlorobutadiene	87-68-3	238	<238	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	357	<357	ug/kg dry	
Hexachloroethane	67-72-1	178	<178	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	178	<178	ug/kg dry	
Isophorone	78-59-1	357	<357	ug/kg dry	
Naphthalene	91-20-3	238	<238	ug/kg dry	
Nitrobenzene	98-95-3	238	<238	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	178	<178	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	178	<178	ug/kg dry	
Pentachlorophenol	87-86-5	357	<357	ug/kg dry	
Phenanthrene	85-01-8	238	<238	ug/kg dry	
Phenol	108-95-2	178	<178	ug/kg dry	
Pyrene	129-00-0	238	<238	ug/kg dry	
Pyridine	110-86-1	238	<238	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
Cyclic octaatomic sulfur (1)	010544-50-0	NA	206	ug/kg dry	
Phorone (1)	000504-20-1	NA	217	ug/kg dry	
Trichloroethylene (1)	000079-01-6	NA	557	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	56	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	41	28.1-113	
Nitrobenzene-d5	4165-60-0	47	30.3-117	
Phenol-d6	13127-88-3	46	26.7-119	
Terphenyl-d14	1718-51-0	71	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	116	50-200	
Acenaphthene-d10	15067-26-2	100	50-200	
Chrysene-d12	1719-03-5	105	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Perylene-d12	1520-96-3	98	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10 % Solid:84.071
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	178	<178	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	178	<178	ug/kg dry	4.J
Acetophenone	989-86-2	178	<178	ug/kg dry	
Atrazine	1912-24-9	178	<178	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	178	<178	ug/kg dry	4.K
Caprolactam	105-60-2	178	<178	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	56	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	41	28.1-113	
Nitrobenzene-d5	4165-60-0	47	30.3-117	
Phenol-d6	13127-88-3	46	26.7-119	
Terphenyl-d14	1718-51-0	71	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	116	50-200	
Acenaphthene-d10	15067-26-2	100	50-200	
Naphthalene-d8	1146-65-2	112	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/09/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10	% Solid:84.071
Matrix: Soil	ELAP: #11693	

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.14	<7.14	ug/kg dry	
4,4'-DDE	72-55-9	7.14	<7.14	ug/kg dry	
4,4'-DDT	50-29-3	7.14	<7.14	ug/kg dry	
Aldrin	309-00-2	7.14	<7.14	ug/kg dry	
alpha-BHC	319-84-6	17.8	<17.8	ug/kg dry	
beta-BHC	319-85-7	17.8	<17.8	ug/kg dry	
cis-Chlordane	5103-71-9	17.8	<17.8	ug/kg dry	
delta-BHC	319-86-8	17.8	<17.8	ug/kg dry	
Dieldrin	60-57-1	7.14	<7.14	ug/kg dry	
Endosulfan I	959-98-8	17.8	<17.8	ug/kg dry	
Endosulfan II	33213-65-9	17.8	<17.8	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.8	<17.8	ug/kg dry	
Endrin	72-20-8	17.8	<17.8	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.8	<17.8	ug/kg dry	
Endrin Ketone	53494-70-5	17.8	<17.8	ug/kg dry	
gamma-BHC	58-89-9	17.8	<17.8	ug/kg dry	
Heptachlor	76-44-8	17.8	<17.8	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.8	<17.8	ug/kg dry	
Methoxychlor	72-43-5	17.8	<17.8	ug/kg dry	
Mirex	2385-85-5	17.8	<17.8	ug/kg dry	
Toxaphene	8001-35-2	357	<357	ug/kg dry	
trans-Chlordane	5103-74-2	17.8	<17.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	101	52.6-153	
Tetrachloro-m-xylene	877-09-8	83	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	93	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10	% Solid:84.071
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	178	<178	ug/kg dry	
Aroclor-1221	11104-28-2	178	<178	ug/kg dry	
Aroclor-1232	11141-16-5	178	<178	ug/kg dry	
Aroclor-1242	53469-21-9	178	<178	ug/kg dry	
Aroclor-1248	12672-29-6	178	<178	ug/kg dry	
Aroclor-1254	11097-69-1	178	<178	ug/kg dry	
Aroclor-1260	11096-82-5	178	<178	ug/kg dry	
Aroclor-1262	37324-23-5	178	<178	ug/kg dry	
Aroclor-1268	11100-14-4	178	<178	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	106	47.4-148	
Tetrachloro-m-xylene	877-09-8	95	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	102	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:10	Sample ID: 4	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-10	% Solid:84.071
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	220	6950	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.4	75.6	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.38	<7.38	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	441	1620	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.4	26.4	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	220	12900	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.4	29.7	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	220	2530	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.4	257	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	220	1730	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	36.7	<36.7	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.58	<4.58	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	441	<441	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.4	<18.4	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.4	24.9	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.4	123	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.595	<0.595	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.009	<0.009	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.20	<5.20	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.20	<5.20	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.20	<5.20	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.20	<5.20	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.20	<5.20	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.20	<5.20	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.20	<5.20	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.20	<5.20	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.20	<5.20	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.20	<5.20	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.20	<5.20	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.20	<5.20	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.20	<5.20	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.20	<5.20	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.20	<5.20	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.20	<5.20	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.20	<5.20	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.20	<5.20	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.20	<5.20	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.20	<5.20	ug/kg dry	
1,4-Dioxane	123-91-1	26.0	<26.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.20	<5.20	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.20	<5.20	ug/kg dry	
2-Chlorotoluene	95-49-8	5.20	<5.20	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.20	<5.20	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.4	<10.4	ug/kg dry	
Acetone	67-64-1	20.8	<20.8	ug/kg dry	
Acrolein	107-02-8	10.4	<10.4	ug/kg dry	4.R
Acrylonitrile	107-13-1	10.4	<10.4	ug/kg dry	
Benzene	71-43-2	5.20	<5.20	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.20	<5.20	ug/kg dry	
Bromochloromethane	74-97-5	5.20	<5.20	ug/kg dry	
Bromodichloromethane	75-27-4	5.20	<5.20	ug/kg dry	
Bromoform	75-25-2	5.20	<5.20	ug/kg dry	
Bromomethane	74-83-9	5.20	<5.20	ug/kg dry	
Carbon disulfide	75-15-0	5.20	<5.20	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.20	<5.20	ug/kg dry	
Chlorobenzene	108-90-7	5.20	<5.20	ug/kg dry	
Chloroethane	75-00-3	5.20	<5.20	ug/kg dry	
Chloroform	67-66-3	5.20	<5.20	ug/kg dry	
Chloromethane	74-87-3	5.20	<5.20	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.20	<5.20	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.4	<10.4	ug/kg dry	
Dibromochloromethane	124-48-1	5.20	<5.20	ug/kg dry	
Dibromomethane	74-95-3	5.20	<5.20	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.20	<5.20	ug/kg dry	
Ethylbenzene	100-41-4	5.20	<5.20	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.20	<5.20	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.20	<5.20	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.4	<10.4	ug/kg dry	
Methyl Acetate	79-20-9	5.20	<5.20	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.4	<10.4	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.4	<10.4	ug/kg dry	
Methylene Chloride	75-09-2	5.20	<5.20	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.20	<5.20	ug/kg dry	
n-Butylbenzene	104-51-8	5.20	<5.20	ug/kg dry	
o-Xylene	95-47-6	5.20	<5.20	ug/kg dry	
sec-Butylbenzene	135-98-8	5.20	<5.20	ug/kg dry	
Styrene	100-42-5	5.20	<5.20	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	10.4	<10.4	ug/kg dry	
tert-Butylbenzene	98-06-6	5.20	<5.20	ug/kg dry	
Tetrachloroethene	127-18-4	5.20	<5.20	ug/kg dry	
Toluene	108-88-3	5.20	<5.20	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.20	<5.20	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.20	<5.20	ug/kg dry	
Trichloroethene	79-01-6	5.20	<5.20	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.20	<5.20	ug/kg dry	
Vinyl chloride	75-01-4	5.20	<5.20	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	114	72.1-142	
4-Bromofluorobenzene	460-00-4	101	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	82	50-200	
1,4-Difluorobenzene	540-36-3	85	50-200	
Chlorobenzene-d5	3114-55-4	83	50-200	
Pentafluorobenzene	363-72-4	84	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	237	<237	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	237	<237	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	237	<237	ug/kg dry	
2,4-Dichlorophenol	120-83-2	178	<178	ug/kg dry	
2,4-Dimethylphenol	105-67-9	178	<178	ug/kg dry	
2,4-Dinitrophenol	51-28-5	355	<355	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	237	<237	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	237	<237	ug/kg dry	
2-Chloronaphthalene	91-58-7	178	<178	ug/kg dry	
2-Chlorophenol	95-57-8	178	<178	ug/kg dry	
2-Methylnaphthalene	91-57-6	178	<178	ug/kg dry	
2-Methylphenol	95-48-7	355	<355	ug/kg dry	
2-Nitroaniline	88-74-4	355	<355	ug/kg dry	
2-Nitrophenol	88-75-5	355	<355	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	355	<355	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	178	<178	ug/kg dry	
3-Nitroaniline	99-09-2	237	<237	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	355	<355	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	237	<237	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	237	<237	ug/kg dry	
4-Chloroaniline	106-47-8	178	<178	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	237	<237	ug/kg dry	
4-Nitroaniline	100-01-6	355	<355	ug/kg dry	
4-Nitrophenol	100-02-7	355	<355	ug/kg dry	
Acenaphthene	83-32-9	237	<237	ug/kg dry	
Acenaphthylene	208-96-8	178	<178	ug/kg dry	
Aniline	62-53-3	237	<237	ug/kg dry	
Anthracene	120-12-7	237	<237	ug/kg dry	
Benzidine	92-87-5	829	<829	ug/kg dry	
Benzo(a)anthracene	56-55-3	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	178	<178	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	355	<355	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	178	<178	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	178	<178	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	178	<178	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	178	<178	ug/kg dry	
Bis(2-chloroisopropyl) ether		237	<237	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	355	<355	ug/kg dry	
Butyl benzyl phthalate	85-68-7	355	<355	ug/kg dry	
Carbazole	86-74-8	178	<178	ug/kg dry	
Chrysene	218-01-9	237	<237	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	178	<178	ug/kg dry	
Dibenzofuran	132-64-9	237	<237	ug/kg dry	
Diethyl phthalate	84-66-2	237	<237	ug/kg dry	
Dimethyl phthalate	131-11-3	237	<237	ug/kg dry	
Di-n-butyl phthalate	84-74-2	355	<355	ug/kg dry	
Di-n-octyl phthalate	117-84-0	355	<355	ug/kg dry	
Fluoranthene	206-44-0	237	<237	ug/kg dry	
Fluorene	86-73-7	237	<237	ug/kg dry	
Hexachlorobenzene	118-74-1	237	<237	ug/kg dry	
Hexachlorobutadiene	87-68-3	237	<237	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	355	<355	ug/kg dry	
Hexachloroethane	67-72-1	178	<178	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	178	<178	ug/kg dry	
Isophorone	78-59-1	355	<355	ug/kg dry	
Naphthalene	91-20-3	237	<237	ug/kg dry	
Nitrobenzene	98-95-3	237	<237	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	178	<178	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	178	<178	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	178	<178	ug/kg dry	
Pentachlorophenol	87-86-5	355	<355	ug/kg dry	
Phenanthrene	85-01-8	237	<237	ug/kg dry	
Phenol	108-95-2	178	<178	ug/kg dry	
Pyrene	129-00-0	237	<237	ug/kg dry	
Pyridine	110-86-1	237	<237	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	614	ug/kg dry	
Phorone (1)	000504-20-1	NA	241	ug/kg dry	
Trichloroethylene (1)	000079-01-6	NA	460	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	52	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	40	28.1-113	
Nitrobenzene-d5	4165-60-0	45	30.3-117	
Phenol-d6	13127-88-3	46	26.7-119	
Terphenyl-d14	1718-51-0	70	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	114	50-200	
Acenaphthene-d10	15067-26-2	97	50-200	
Chrysene-d12	1719-03-5	102	50-200	
Naphthalene-d8	1146-65-2	111	50-200	
Perylene-d12	1520-96-3	98	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/10/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	178	<178	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	178	<178	ug/kg dry	4.J
Acetophenone	989-86-2	178	<178	ug/kg dry	
Atrazine	1912-24-9	178	<178	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	178	<178	ug/kg dry	4.K
Caprolactam	105-60-2	178	<178	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	52	28.3-111	
2-Fluorobiphenyl	321-60-8	63	30.1-118	
2-Fluorophenol	367-12-4	40	28.1-113	
Nitrobenzene-d5	4165-60-0	45	30.3-117	
Phenol-d6	13127-88-3	46	26.7-119	
Terphenyl-d14	1718-51-0	70	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	114	50-200	
Acenaphthene-d10	15067-26-2	97	50-200	
Naphthalene-d8	1146-65-2	111	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/10/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.11	<7.11	ug/kg dry	
4,4'-DDE	72-55-9	7.11	<7.11	ug/kg dry	
4,4'-DDT	50-29-3	7.11	<7.11	ug/kg dry	
Aldrin	309-00-2	7.11	<7.11	ug/kg dry	
alpha-BHC	319-84-6	17.8	<17.8	ug/kg dry	
beta-BHC	319-85-7	17.8	<17.8	ug/kg dry	
cis-Chlordane	5103-71-9	17.8	<17.8	ug/kg dry	
delta-BHC	319-86-8	17.8	<17.8	ug/kg dry	
Dieldrin	60-57-1	7.11	<7.11	ug/kg dry	
Endosulfan I	959-98-8	17.8	<17.8	ug/kg dry	
Endosulfan II	33213-65-9	17.8	<17.8	ug/kg dry	
Endosulfan Sulfate	1031-07-8	17.8	<17.8	ug/kg dry	
Endrin	72-20-8	17.8	<17.8	ug/kg dry	
Endrin Aldehyde	7421-93-4	17.8	<17.8	ug/kg dry	
Endrin Ketone	53494-70-5	17.8	<17.8	ug/kg dry	
gamma-BHC	58-89-9	17.8	<17.8	ug/kg dry	
Heptachlor	76-44-8	17.8	<17.8	ug/kg dry	
Heptachlor Epoxide	1024-57-3	17.8	<17.8	ug/kg dry	
Methoxychlor	72-43-5	17.8	<17.8	ug/kg dry	
Mirex	2385-85-5	17.8	<17.8	ug/kg dry	
Toxaphene	8001-35-2	355	<355	ug/kg dry	
trans-Chlordane	5103-74-2	17.8	<17.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	52.6-153	
Tetrachloro-m-xylene	877-09-8	67	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	99	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	178	<178	ug/kg dry	
Aroclor-1221	11104-28-2	178	<178	ug/kg dry	
Aroclor-1232	11141-16-5	178	<178	ug/kg dry	
Aroclor-1242	53469-21-9	178	<178	ug/kg dry	
Aroclor-1248	12672-29-6	178	<178	ug/kg dry	
Aroclor-1254	11097-69-1	178	<178	ug/kg dry	
Aroclor-1260	11096-82-5	178	<178	ug/kg dry	
Aroclor-1262	37324-23-5	178	<178	ug/kg dry	
Aroclor-1268	11100-14-4	178	<178	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	94	47.4-148	
Tetrachloro-m-xylene	877-09-8	72	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	101	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:15	Sample ID: 5
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-11 % Solid:84.413
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	219	8070	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.3	86.3	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.35	<7.35	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	439	2150	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.3	20.9	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.3	23.4	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	219	14800	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.3	38.2	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	219	3140	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.3	240	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	219	2290	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	36.5	<36.5	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.56	<4.56	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	439	456	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.3	27.6	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.3	86.7	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.592	<0.592	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.009	0.02	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.85	<5.85	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.85	<5.85	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.85	<5.85	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.85	<5.85	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.85	<5.85	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.85	<5.85	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.85	<5.85	ug/kg dry	
1,1-Dichloropropene	563-58-6	5.85	<5.85	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.85	<5.85	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.85	<5.85	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.85	<5.85	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.85	<5.85	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.85	<5.85	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.85	<5.85	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.85	<5.85	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.85	<5.85	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.85	<5.85	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.85	<5.85	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.85	<5.85	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.85	<5.85	ug/kg dry	
1,4-Dioxane	123-91-1	29.2	<29.2	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.85	<5.85	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.85	<5.85	ug/kg dry	
2-Chlorotoluene	95-49-8	5.85	<5.85	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.85	<5.85	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	11.7	<11.7	ug/kg dry	
Acetone	67-64-1	23.4	<23.4	ug/kg dry	
Acrolein	107-02-8	11.7	<11.7	ug/kg dry	4.R
Acrylonitrile	107-13-1	11.7	<11.7	ug/kg dry	
Benzene	71-43-2	5.85	<5.85	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.85	<5.85	ug/kg dry	
Bromochloromethane	74-97-5	5.85	<5.85	ug/kg dry	
Bromodichloromethane	75-27-4	5.85	<5.85	ug/kg dry	
Bromoform	75-25-2	5.85	<5.85	ug/kg dry	
Bromomethane	74-83-9	5.85	<5.85	ug/kg dry	
Carbon disulfide	75-15-0	5.85	<5.85	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.85	<5.85	ug/kg dry	
Chlorobenzene	108-90-7	5.85	<5.85	ug/kg dry	
Chloroethane	75-00-3	5.85	<5.85	ug/kg dry	
Chloroform	67-66-3	5.85	<5.85	ug/kg dry	
Chloromethane	74-87-3	5.85	<5.85	ug/kg dry	
cis-1,2-Dichloroethene	156-59-2	5.85	<5.85	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	11.7	<11.7	ug/kg dry	
Dibromochloromethane	124-48-1	5.85	<5.85	ug/kg dry	
Dibromomethane	74-95-3	5.85	<5.85	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.85	<5.85	ug/kg dry	
Ethylbenzene	100-41-4	5.85	<5.85	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.85	<5.85	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.85	<5.85	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.7	<11.7	ug/kg dry	
Methyl Acetate	79-20-9	5.85	<5.85	ug/kg dry	4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	11.7	<11.7	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.7	<11.7	ug/kg dry	
Methylene Chloride	75-09-2	5.85	<5.85	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.85	<5.85	ug/kg dry	
n-Butylbenzene	104-51-8	5.85	<5.85	ug/kg dry	
o-Xylene	95-47-6	5.85	<5.85	ug/kg dry	
sec-Butylbenzene	135-98-8	5.85	<5.85	ug/kg dry	
Styrene	100-42-5	5.85	<5.85	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
tert-Butyl alcohol	75-65-0	11.7	<11.7	ug/kg dry	
tert-Butylbenzene	98-06-6	5.85	<5.85	ug/kg dry	
Tetrachloroethene	127-18-4	5.85	<5.85	ug/kg dry	
Toluene	108-88-3	5.85	<5.85	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.85	<5.85	ug/kg dry	
trans-1,3-Dichloropropene	10061-02-6	5.85	<5.85	ug/kg dry	
Trichloroethene	79-01-6	5.85	<5.85	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.85	<5.85	ug/kg dry	
Vinyl chloride	75-01-4	5.85	<5.85	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	119	72.1-142	
4-Bromofluorobenzene	460-00-4	101	76.1-131	
Dibromofluoromethane	1868-53-7	102	77.6-135	
Toluene-d8	2037-26-5	102	77.8-124	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	81	50-200	
1,4-Difluorobenzene	540-36-3	83	50-200	
Chlorobenzene-d5	3114-55-4	81	50-200	
Pentafluorobenzene	363-72-4	81	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 01/05/2023

Analytical Method: EPA 8260 D

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	241	<241	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	241	<241	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	241	<241	ug/kg dry	
2,4-Dichlorophenol	120-83-2	181	<181	ug/kg dry	
2,4-Dimethylphenol	105-67-9	181	<181	ug/kg dry	
2,4-Dinitrophenol	51-28-5	362	<362	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	241	<241	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	241	<241	ug/kg dry	
2-Chloronaphthalene	91-58-7	181	<181	ug/kg dry	
2-Chlorophenol	95-57-8	181	<181	ug/kg dry	
2-Methylnaphthalene	91-57-6	181	<181	ug/kg dry	
2-Methylphenol	95-48-7	362	<362	ug/kg dry	
2-Nitroaniline	88-74-4	362	<362	ug/kg dry	
2-Nitrophenol	88-75-5	362	<362	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	362	<362	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	181	<181	ug/kg dry	
3-Nitroaniline	99-09-2	241	<241	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	362	<362	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	241	<241	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	241	<241	ug/kg dry	
4-Chloroaniline	106-47-8	181	<181	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	241	<241	ug/kg dry	
4-Nitroaniline	100-01-6	362	<362	ug/kg dry	
4-Nitrophenol	100-02-7	362	<362	ug/kg dry	
Acenaphthene	83-32-9	241	<241	ug/kg dry	
Acenaphthylene	208-96-8	181	<181	ug/kg dry	
Aniline	62-53-3	241	<241	ug/kg dry	
Anthracene	120-12-7	241	<241	ug/kg dry	
Benzidine	92-87-5	844	<844	ug/kg dry	
Benzo(a)anthracene	56-55-3	181	<181	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	181	<181	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	362	<362	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	181	<181	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	181	<181	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	181	<181	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	181	<181	ug/kg dry	
Bis(2-chloroisopropyl) ether		241	<241	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	362	<362	ug/kg dry	
Butyl benzyl phthalate	85-68-7	362	<362	ug/kg dry	
Carbazole	86-74-8	181	<181	ug/kg dry	
Chrysene	218-01-9	241	<241	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	181	<181	ug/kg dry	
Dibenzofuran	132-64-9	241	<241	ug/kg dry	
Diethyl phthalate	84-66-2	241	<241	ug/kg dry	
Dimethyl phthalate	131-11-3	241	<241	ug/kg dry	
Di-n-butyl phthalate	84-74-2	362	<362	ug/kg dry	
Di-n-octyl phthalate	117-84-0	362	<362	ug/kg dry	
Fluoranthene	206-44-0	241	<241	ug/kg dry	
Fluorene	86-73-7	241	<241	ug/kg dry	
Hexachlorobenzene	118-74-1	241	<241	ug/kg dry	
Hexachlorobutadiene	87-68-3	241	<241	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	362	<362	ug/kg dry	
Hexachloroethane	67-72-1	181	<181	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	181	<181	ug/kg dry	
Isophorone	78-59-1	362	<362	ug/kg dry	
Naphthalene	91-20-3	241	<241	ug/kg dry	
Nitrobenzene	98-95-3	241	<241	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	181	<181	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	181	<181	ug/kg dry	

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	181	<181	ug/kg dry	
Pentachlorophenol	87-86-5	362	<362	ug/kg dry	
Phenanthrene	85-01-8	241	<241	ug/kg dry	
Phenol	108-95-2	181	<181	ug/kg dry	
Pyrene	129-00-0	241	<241	ug/kg dry	
Pyridine	110-86-1	241	<241	ug/kg dry	

Tentatively Identified Compounds	CAS No.	LOQ	Result	Units	Flag
3-Penten-2-one, (E)- (1)	003102-33-8	NA	312	ug/kg dry	
Benz[e]acephenanthrylene (1)	000205-99-2	NA	176	ug/kg dry	
Benzo[ghi]perylene (1)	000191-24-2	NA	206	ug/kg dry	
Cyclic octaatomic sulfur (1)	010544-50-0	NA	263	ug/kg dry	
Trichloroethylene (1)	000079-01-6	NA	644	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	62	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	42	28.1-113	
Nitrobenzene-d5	4165-60-0	48	30.3-117	
Phenol-d6	13127-88-3	48	26.7-119	
Terphenyl-d14	1718-51-0	74	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	120	50-200	
Acenaphthene-d10	15067-26-2	101	50-200	
Chrysene-d12	1719-03-5	104	50-200	
Naphthalene-d8	1146-65-2	119	50-200	
Perylene-d12	1520-96-3	100	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/10/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	181	<181	ug/kg dry	4.K, 4.M
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	181	<181	ug/kg dry	4.J
Acetophenone	989-86-2	181	<181	ug/kg dry	
Atrazine	1912-24-9	181	<181	ug/kg dry	4.J, 4.M
Benzaldehyde	100-52-7	181	<181	ug/kg dry	4.K
Caprolactam	105-60-2	181	<181	ug/kg dry	4.K

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	62	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	42	28.1-113	
Nitrobenzene-d5	4165-60-0	48	30.3-117	
Phenol-d6	13127-88-3	48	26.7-119	
Terphenyl-d14	1718-51-0	74	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1	120	50-200	
Acenaphthene-d10	15067-26-2	101	50-200	
Naphthalene-d8	1146-65-2	119	50-200	
Phenanthrene-d10	1517-22-2	97	50-200	

Date Prepared: 01/06/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/10/2023

Analytical Method: EPA 8270 E

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12 % Solid:82.983
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	7.23	<7.23	ug/kg dry	
4,4'-DDE	72-55-9	7.23	<7.23	ug/kg dry	
4,4'-DDT	50-29-3	7.23	<7.23	ug/kg dry	
Aldrin	309-00-2	7.23	<7.23	ug/kg dry	
alpha-BHC	319-84-6	18.1	<18.1	ug/kg dry	
beta-BHC	319-85-7	18.1	<18.1	ug/kg dry	
cis-Chlordane	5103-71-9	18.1	<18.1	ug/kg dry	
delta-BHC	319-86-8	18.1	<18.1	ug/kg dry	
Dieldrin	60-57-1	7.23	<7.23	ug/kg dry	
Endosulfan I	959-98-8	18.1	<18.1	ug/kg dry	
Endosulfan II	33213-65-9	18.1	<18.1	ug/kg dry	
Endosulfan Sulfate	1031-07-8	18.1	<18.1	ug/kg dry	
Endrin	72-20-8	18.1	<18.1	ug/kg dry	
Endrin Aldehyde	7421-93-4	18.1	<18.1	ug/kg dry	
Endrin Ketone	53494-70-5	18.1	<18.1	ug/kg dry	
gamma-BHC	58-89-9	18.1	<18.1	ug/kg dry	
Heptachlor	76-44-8	18.1	<18.1	ug/kg dry	
Heptachlor Epoxide	1024-57-3	18.1	<18.1	ug/kg dry	
Methoxychlor	72-43-5	18.1	<18.1	ug/kg dry	
Mirex	2385-85-5	18.1	<18.1	ug/kg dry	
Toxaphene	8001-35-2	362	<362	ug/kg dry	
trans-Chlordane	5103-74-2	18.1	<18.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	100	52.6-153	
Tetrachloro-m-xylene	877-09-8	93	56.1-151	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	102	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8081 B

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12	% Solid:82.983
Matrix: Soil	ELAP: #11693	

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	181	<181	ug/kg dry	
Aroclor-1221	11104-28-2	181	<181	ug/kg dry	
Aroclor-1232	11141-16-5	181	<181	ug/kg dry	
Aroclor-1242	53469-21-9	181	<181	ug/kg dry	
Aroclor-1248	12672-29-6	181	<181	ug/kg dry	
Aroclor-1254	11097-69-1	181	<181	ug/kg dry	
Aroclor-1260	11096-82-5	181	<181	ug/kg dry	
Aroclor-1262	37324-23-5	181	<181	ug/kg dry	
Aroclor-1268	11100-14-4	181	<181	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	91	47.4-148	
Tetrachloro-m-xylene	877-09-8	88	51.4-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1-Bromo-2-Nitrobenzene	108-31-6	106	50-200	

Date Prepared: 01/05/2023

Preparation Method: EPA 3545 A

Date Analyzed: 01/06/2023

Analytical Method: EPA 8082 A

Client: Innovative Recycling Technologies	Client ID: Skanska HPWWTP	
Date (Time) Collected: 01/05/2023 09:20	Sample ID: 6	
Date (Time) Received: 01/05/2023 12:39	Laboratory ID: 3010507-12	% Solid:82.983
Matrix: Soil	ELAP: #11693	

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	01/06/2023	EPA 6010 D	219	8010	mg/kg dry	
Antimony	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Arsenic	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Barium	01/06/2023	EPA 6010 D	18.3	97.3	mg/kg dry	
Beryllium	01/06/2023	EPA 6010 D	7.34	<7.34	mg/kg dry	
Cadmium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Calcium	01/06/2023	EPA 6010 D	438	2490	mg/kg dry	
Chromium	01/06/2023	EPA 6010 D	18.3	18.7	mg/kg dry	
Cobalt	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Copper	01/06/2023	EPA 6010 D	18.3	35.4	mg/kg dry	
Iron	01/06/2023	EPA 6010 D	219	14700	mg/kg dry	
Lead	01/06/2023	EPA 6010 D	18.3	48.5	mg/kg dry	
Magnesium	01/06/2023	EPA 6010 D	219	3010	mg/kg dry	
Manganese	01/06/2023	EPA 6010 D	18.3	265	mg/kg dry	
Nickel	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Potassium	01/06/2023	EPA 6010 D	219	2170	mg/kg dry	4.J, 4.N, 4.S
Selenium	01/06/2023	EPA 6010 D	36.5	<36.5	mg/kg dry	
Silver	01/06/2023	EPA 6010 D	4.56	<4.56	mg/kg dry	
Sodium	01/06/2023	EPA 6010 D	438	462	mg/kg dry	
Thallium	01/06/2023	EPA 6010 D	18.3	<18.3	mg/kg dry	
Vanadium	01/06/2023	EPA 6010 D	18.3	26.2	mg/kg dry	
Zinc	01/06/2023	EPA 6010 D	18.3	207	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	01/06/2023	EPA 7196 A	0.603	<0.603	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	01/09/2023	EPA 7471 B	0.007	0.01	mg/kg dry	

Date Prepared: 01/06/2023 Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	01/06/2023	EPA 9014	0.24	<0.24	mg/kg dry	

Date Prepared: 01/05/2023 Preparation Method: Distillation Prep

Data Qualifiers Key Reference:

4.D	Surrogate recovery has failed low.
4.G	Spike recovery out of range due to matrix interference.
4.J	Continuing Calibration Verification (CCV) quality control levels failed low, values are considered to be estimated.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to be estimated.
4.M	LCS recovery was above QC acceptance limit.
4.N	LCS recovery was below QC acceptance limit.
4.R	Initial Calibration Verification (ICV) quality control levels low, values are considered to be estimated.
4.S	Initial Calibration Verification (ICV) quality control levels high, values are considered to be estimated.
4.T	Sample Matrix Spike/Spike Dup RPD is above acceptable range.
MDL	Minimum Detection Limit
LOQ	Limit of Quantitation
H	Holding Time Exceeded

LONG ISLAND ANALYTICAL LABORATORIES INC.
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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

3010507

CLIENT NAME/ADDRESS: IRT

CONTACT: Jack Ewen

PHONE: 631.225.3044

EMAIL: jackewen@irtwaste.com

SAMPLER (SIGNATURE):

SAMPLER NAME (PRINT): Jack Ewen

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION: Skaneateles HPWWTP

SAMPLES RECEIVED AT: 2.3 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	pH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED: 8260 TL	8270	8081	8082	6010	6020 TAL	7470A	7471	# OF CONTAINERS
1.	S	G/C			i	1/5/23	0825	N	X	X	X	X	X	X	X	X	2
2.							0830	S	X	X	X	X	X	X	X	X	
3.							0835	E	X	X	X	X	X	X	X	X	
4.							0840	W	X	X	X	X	X	X	X	X	
5.							0845	N slab	X	X	X	X	X	X	X	X	
6.							0850	S slab	X	X	X	X	X	X	X	X	
7.							0855	1	X	X	X	X	X	X	X	X	
8.							0900	2	X	X	X	X	X	X	X	X	
9.							0905	3	X	X	X	X	X	X	X	X	
10.							0910	4	X	X	X	X	X	X	X	X	
11.							0915	5	X	X	X	X	X	X	X	X	
12.							0920	6	X	X	X	X	X	X	X	X	
13.																	
14.																	

RUSH!

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL, WW=WASTE WATER

TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON

PRES: (1) ICE; (2) HCL; (3) H_2SO_4; (4) NAOH; (5) $NA_2S_3O_3$; (6) HNO_3; (7) OTHER

TURNAROUND REQUIRED: ☐ NORMAL ☒ STAT BY / /

COMMENTS / INSTRUCTIONS: ASAP

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
	1/5/23 1000	Jack Ewen	Matt Sullivan	1/5/23 12:15	Matt Sullivan
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE / TIME	PRINTED NAME
				1/5/23 12:40	

WHITE - OFFICE / CANARY - CLIENT

690 No. Queens Avenue
Lindenhurst, NY 11757
Phone: (631)225-3044
Fax: (631)225-3056

Appendix H

Site Photos

absorbs-it

SKANSKA
ROYAL
CAT