

Imported Materials Documentation
(Provided Separately)

Imported Materials Documentation:
Backfill Import Requests
(Provided Separately)



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this virgin stone to be used as crushed stone bedding for storm piping and sewer connections. The material will be placed below the site cover system at the Greenpoint Ferry BCP Site, located in Brooklyn NY (BCP Site ID C224272). The attached shows the source of the virgin stone and the sieve tests. Less than 10% of this material passes through the #10 and #100 sieves. The material meets the requirements of DER-10 section 5.4(e)5, thus no chemical testing is needed.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

See attached sieve tests. Chemical testing not needed as per DER-10 section 5.4(e)5.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Christine Smith

Location where fill was obtained:

Tilcon Clinton Point - Clinton Point, NJ

Identification of any state or local approvals as a fill source:

NYS-8-9R

If no approvals are available, provide a brief history of the use of the property that is the fill source:

virgin stone

Provide a list of supporting documentation included with this request:

1. Sieve Test
2. Material Certification

The information provided on this form is accurate and complete.

Robert Kovacs

Signature

7/3/2023

Date

Robert Kovacs, PG

Print Name

Roux

Firm

LANGAN PROJECT NO.	170619201
SPEC. SECTION NO.	334000
REVISION NO.	SUBMITTAL NO.
00	0007
DATE RECEIVED:	6/6/2023
☒	REVIEWED
☐	EXCEPTION TAKEN AS NOTED
☐	REVISE & RESUBMIT
☐	RESUBMIT SPECIFIED ITEM
☐	INCOMPLETE - RESUBMIT
☐	NOT REVIEWED
Review is for conformance with the design intent of information developed by Langan and issued for the Project. Contractor is responsible for performance of the work in accordance with the requirements of the Contract Documents and for all fabrication processes, means, methods, techniques, sequences and procedures of construction, coordination with the work of other contractors and subcontractors and verifying all dimensions and quantities. Contractor is also responsible for performing the work in a safe manner. Action does not authorize changes to contract requirements unless otherwise states in a separate letter or change order. Langan's review of a specific item does not indicate approval of an assembly of which the item is a component.	
LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE, AND GEOLOGY, D.P.C.	
REVIEWED BY:	SSINHA
DATE REVIEWED:	6/6/2023

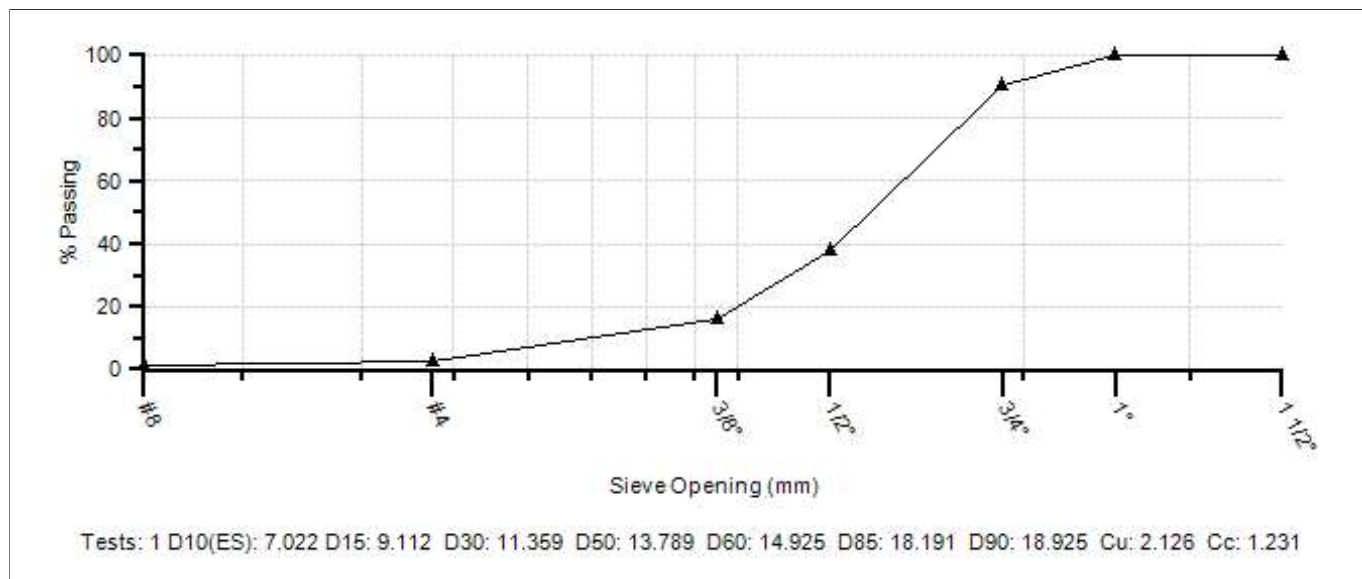
LANGAN COMMENT:
1. ENVIRONMENTAL ENGINEER TO REVIEW

Basic Quality Statistical Summary Report

Plant 7295-Pier J
Product 057-ASTM #57 (25291)
Specification ASTM C33 No. 57
Period 04/01/2023 - 06/02/2023

Project Number: 264236
Submittal Number: 310500-0138-0
This submittal has been reviewed and checked for compliance with the project documents. The information provided conforms generally with the contract documents. In no case is the Subcontractor or Supplier relieved of the full responsibility for adherence to the contract documents and satisfactory construction of all work. This submittal has been submitted to the architect, engineers, consultants, and owner (as applicable) for approval.
Submitted by (LL): RA
Sent to Reviewers: 06/05/2023
lendlease

Sieve/Test	Tests	Average	St Dev	Target	Specification
1 1/2" (37.5mm)	41	100.0	0.00		100-100
1" (25mm)	41	100.0	0.17		95-100
3/4" (19mm)	41	90.5	10.15		
1/2" (12.5mm)	41	37.6	7.97		25-60
3/8" (9.5mm)	41	15.8	7.74		
#4 (4.75mm)	41	2.5	1.12		0-10
#8 (2.36mm)	41	1.4	0.70		0-5
Pan	41	0.0	0.00		



Query Query Selections
Date Created 06/02/2023
Date Range 04/01/2023 - 06/02/2023
Plant Pier J



Pier J – Brooklyn Navy Yard
Brooklyn Navy Yard, Pier J
Brooklyn, NY 11205

North Shore Terminal
2541 Richmond Terrace
Staten Island, NY 10303

Oceanside Terminal
3645 Hampton Road
Oceanside, NY 11572

Material Certification

Please be advised that all our aggregate terminals and pit listed above provide construction materials, and fill materials, from the virgin properties as described in this document.

Pier J – Brooklyn Navy Yard

Approved Source: NYS 10-12R, RFM

Martin Marietta Materials
Nova Scotia, Canada

Approved Source: NYS 8-9R

Tilcon Clinton Point
Clinton Point, NY

Approved Source: NYS 10-189F

Vulcan Materials Company
Quinton, NJ

Approved Source: NYS 8-17R

Colarusso
Hudson, NY

Oceanside Terminal

Approved Source: NYS 8-9R

Tilcon Clinton Point
Clinton Point, NY

North Shore Terminal

Approved Source: NYS 8-17R

Colarusso
Hudson, NY

Approved Source: NYS 10-189F

Vulcan Materials Company
Quinton, NJ

Approved Source: NYS 10-47R

Vulcan Materials Company
Glen Gardner, NJ

To the best of our knowledge, these materials are not contaminated with any hazardous substances while on our properties as listed above.

If you require additional information, please contact our office.

New York Sand and Stone
Phone: 718 -596-2897

Impact Recovery and Reuse Center Crushed Stone Report

Supplemental Laboratory Testing on Material Stockpiled at Impact Recovery
and Reuse Center

Submitted by:
Impact Materials
1000 Page Ave,
Lyndhurst, NJ



IMPACT MATERIALS | 1000 Page Ave | Lyndhurst | New Jersey | 07030 | 201.268.5686



May 23, 2022

Mike Dineen
Civetta Cousins JV LLC
1100 E 156th St,
Bronx, NY, 10474

RE: Impact Recovery and Reuse Center
1000 Page Avenue, Lyndhurst, NJ
Blue Stone Product at IRRRC Intended for 1 Java St, Brooklyn, NY

Mr. Dineen:

This letter was prepared to report the environmental and geotechnical quality of the bluestone product manufactured at the Impact Reuse and Recovery Center ("IRRC"), a permitted Class B Recycling Facility located at 1000 Page Avenue in Lyndhurst, New Jersey. The product is proposed as backfill at 1 Java St, Brooklyn, NY.

IRRC uses a thorough process to ensure the quality of the products it manufactures. This includes vetting sources used to manufacture our products and performing requisite certified third-party analytical testing on representative samples.

This specific product was made by crushing and screening virgin bedrock sourced from construction projects in the New York City area to $\frac{3}{4}$ " clean aggregate and inspected for quality control. Geotechnical analysis was conducted periodically. The product is continually inspected for visual and olfactory signs of contamination as well as PID screenings. The product is free of solid waste materials. Post processing, it was stored in surge piles for additional quality control analysis. Grab samples were secured from random locations within the stockpile. Samples were secured for volatile organic analysis using Encore © sampling kits. The balance of the discreet sample was secured into glass jars for semivolatile, metal, PCB, pesticide, herbicide and total extractable petroleum hydrocarbon analysis. Once analytical results were received and verified to New York Codes, Rules and Regulations ("NYCRR") Part 375 Restricted Residential Use and Protection of Groundwater Soil Cleanup Objectives, the product was combined into a larger finished stockpile.

The results of the finished stockpile sampling are presented below in Table 1. All results are below NYCRR Part 375 Restricted Residential Use and Protection of Groundwater Soil Cleanup Objectives. For a more in-depth examination of the sampling results, please see the attached summary table, field notes, and Laboratory Report complete with a signed Chain of Custody for the most recent sampling. Proposed product will be delivered by trucks in compliance with applicable laws and regulations and will enter the site at designated locations.

Sincerely,

IMPACT ENVIRONMENTAL

Jeff Bogoian
IRRC QA/QC Engineer
Table 1:

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	IRRC BLUEST ONE N 3.1.22	RL	Q	MDL	IRRC BLUEST ONE S 3.1.22	RL	Q	MDL	IRRC BLUEST ONE E 3.1.22	RL	Q	MDL	IRRC BLUEST ONE W 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.1.22			
	Sample ID	Depth																																										
	Date																																											
	Unit		ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	NA	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
71-55-6	1,1,1-Trichloroethane	VOC	100,000a	680	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA	600	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
79-00-5	1,1,2-Trichloroethane	VOC	NA	NA	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	NA	NA	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
75-34-3	1,1-Dichloroethane	VOC	26000	270	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
75-35-4	1,1-Dichloroethene	VOC	100,000a	330	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	3400	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
95-63-6	1,2,4-Trimethylbenzene	VOC	52000	3600	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	NA	< 5.0	5.0	U	1.2	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.1	< 5.0	5.0	U	1.0	< 5.0	5.0	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.0	5.0	U	1.0	< 5.0			
106-93-4	1,2-Dibromoethane	VOC	NA	NA	< 5.0	5.0	U	0.61	< 5.0	5.0	U	0.70	< 5.0	5.0	U	0.55	< 4.7	4.7	U	0.52	< 4.6	4.6	U	0.52	< 4.4	4.4	U	0.48	< 4.4	4.4	U	0.49	< 4.4	4.4	U	0.49	< 4.5	4.5	U	0.51	< 5.0			
95-50-1	1,2-Dichlorobenzene	VOC	100,000a	1100	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
107-06-2	1,2-Dichloroethane	VOC	3100	20f	< 5.0	5.0	U	0.61	< 5.0	5.0	U	0.70	< 5.0	5.0	U	0.55	< 5.0	5.0	U	0.52	< 5.0	5.0	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.0	5.0	U	0.51	< 5.0			
78-87-5	1,2-Dichloropropane	VOC	NA	NA	< 5.0	5.0	U	1.2	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.1	< 5.0	5.0	U	1.0	< 5.0	5.0	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.0	5.0	U	1.0	< 5.0			
108-67-8	1,3,5-Trimethylbenzene	VOC	52000	8400	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
541-73-1	1,3-Dichlorobenzene	VOC	49000	2400	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
106-46-7	1,4-Dichlorobenzene	VOC	13000	1800	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
123-91-1	1,4-Dioxane	VOC	13000	100e	< 92	92	U	49	< 100	100	U	56	< 83	83	U	44	< 78	78	U	42	< 77	77	U	41	< 73	73	U	39	< 73	73	U	39	< 73	73	U	39	< 76	76	U	40	< 88			
78-93-3	2-Butanone	VOC	100,000a	120	< 37	37	U	6.1	< 42	42	U	7.0	< 33	33	U	5.5	< 31	31	U	5.2	< 31	31	U	5.2	< 29	29	U	4.8	< 29	29	U	4.9	< 29	29	U	4.9	< 30	30	U	5.1	< 35			
108-10-1	4-Methyl-2-Pentanone	VOC	NA	1000	< 31	31	U	6.1	< 35	35	U	7.0	< 28	28	U	5.5	< 26	26	U	5.2	< 26	26	U	5.2	< 24	24	U	4.8	< 24	24	U	4.9	< 24	24	U	4.9	< 25	25	U	5.1	< 29			
67-64-1	Acetone	VOC	100,000b	50	< 50	50	U	6.1	< 50	50	U	7.0	< 50	50	U	5.5	< 50	50	U	5.2	< 50	50	U	5.2	< 48	48	U	4.8	< 49	49	U	4.9	< 49	49	U	4.9	< 50	50	U	5.1	< 50			
107-02-8	Acrolein	VOC	NA	NA	< 31	31	U	3.1	< 35	35	U	3.5	< 28	28	U	2.8	< 26	26	U	2.6	< 26	26	U	2.6	< 24	24	U	2.4	< 24	24	U	2.4	< 24	24	U	2.4	< 25	25	U	2.5	< 29			
107-13-1	Acrylonitrile	VOC	NA	NA	< 12	12	U	0.61	< 14	14	U	0.70	< 11	11	U	0.55	< 10	10	U	0.52	< 10	10	U	0.52	< 9.7	9.7	U	0.48	< 9.8	9.8	U	0.49	< 9.8	9.8	U	0.49	< 10	10	U	0.51	< 12			
71-43-2	Benzene	VOC	4800	60	< 5.0	5.0	U	0.61	< 5.0	5.0	U	0.70	< 5.0	5.0	U	0.55	< 5.0	5.0	U	0.52	< 5.0	5.0	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.0	5.0	U	0.51	< 5.0			
74-97-5	Bromochloromethane	VOC	NA	NA	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U	0.51	< 5.9			
75-27-4	Bromodichloromethane	VOC	NA	NA	< 5.0	5.0	U	1.2	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.1	< 5.0	5.0	U	1.0	< 5.0	5.0	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.0	5.0	U	1.0	< 5.0			
75-25-2	Bromoform	VOC	NA	NA	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
74-83-9	Bromomethane	VOC	NA	NA	< 6.1	6.1	U	2.4	< 7.0	7.0	U	2.8	< 5.5	5.5	U	2.2	< 5.2	5.2	U	2.1	< 5.2	5.2	U	2.1	< 4.8	4.8	U	1.9	< 4.9	4.9	U	2.0	< 4.9	4.9	U	2.0	< 5.1	5.1	U	2.0	< 5.9			
75-15-0	Carbon Disulfide	VOC	NA	2700	< 6.1	6.1	U	1.2	< 7.0	7.0	U	1.4	< 5.5	5.5	U	1.1	< 5.2	5.2	U	1.0	< 5.2	5.2	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.1	5.1	U	1.0	< 5.9			
56-23-5	Carbon Tetrachloride	VOC	2400	760	< 5.0	5.0	U	1.2	< 5.0	5.0	U	1.4	< 5.0	5.0	U	1.1	< 5.0	5.0	U	1.0	< 5.0	5.0	U	1.0	< 4.8	4.8	U	0.97	< 4.9	4.9	U	0.98	< 4.9	4.9	U	0.98	< 5.0	5.0	U	1.0	< 5.0			
108-90-7	Chlorobenzene	VOC	100,000a	1100	< 6.1	6.1	U	0.61	< 7.0	7.0	U	0.70	< 5.5	5.5	U	0.55	< 5.2	5.2	U	0.52	< 5.2	5.2	U	0.52	< 4.8	4.8	U	0.48	< 4.9	4.9	U	0.49	< 4.9	4.9	U	0.49	< 5.1	5.1	U					

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	IRRC BLUEST ONE N 3.1.22	RL	Q	MDL	IRRC BLUEST ONE S 3.1.22	RL	Q	MDL	IRRC BLUEST ONE E 3.1.22	RL	Q	MDL	IRRC BLUEST ONE W 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.1.22				
	Sample ID	Depth																																											
	Date																																												
	Unit		ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg
95-48-7	2-Methylphenol	SVOC	100,000a	330e	< 260	260	U	170	< 330	330	U	220	< 250	250	U	170	< 260	260	U	170	< 250	250	U	170	< 250	250	U	170	< 260	260	U	170	< 250	250	U	170	< 250	250	U	170	< 250	250	U	170	< 260
88-74-4	2-Nitroaniline	SVOC	NA	400	< 300	300	U	260	< 300	300	U	300	< 300	300	U	250	< 300	300	U	260	< 300	300	U	250	< 300	300	U	250	< 300	300	U	260	< 300	300	U	250	< 300	300	U	250	< 300	300	U	250	< 300
88-75-5	2-Nitrophenol	SVOC	NA	300	< 260	260	U	230	< 330	330	U	300	< 250	250	U	220	< 260	260	U	230	< 250	250	U	230	< 250	250	U	220	< 260	260	U	230	< 250	250	U	230	< 250	250	U	230	< 250	250	U	230	< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	NA	< 150	150	U	150	< 190	190	U	190	< 140	140	U	140	< 150	150	U	150	< 150	150	U	150	< 140	140	U	140	< 150	150	U	150	< 140	140	U	140	< 150	150	U	140	< 150	150	U	150	< 150
99-09-2	3-Nitroaniline	SVOC	NA	500	< 740	740	U	260	< 940	940	U	330	< 710	710	U	250	< 730	730	U	260	< 730	730	U	250	< 700	700	U	250	< 730	730	U	260	< 720	720	U	250	< 730	730	U	250	< 740	740	U	250	< 740
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	NA	< 260	260	U	260	< 300	300	U	300	< 250	250	U	250	< 260	260	U	260	< 250	250	U	250	< 250	250	U	250	< 260	260	U	260	< 250	250	U	250	< 250	250	U	250	< 250	250	U	250	< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	NA	< 260	260	U	130	< 330	330	U	170	< 250	250	U	120	< 260	260	U	130	< 250	250	U	130	< 250	250	U	120	< 260	260	U	130	< 250	250	U	130	< 250	250	U	130	< 250	250	U	130	< 260
106-47-8	4-Chloroaniline	SVOC	NA	220	< 740	740	U	170	< 940	940	U	220	< 710	710	U	160	< 730	730	U	170	< 730	730	U	170	< 700	700	U	160	< 730	730	U	170	< 720	720	U	170	< 730	730	U	170	< 740	740	U	170	< 740
100-01-6	4-Nitroaniline	SVOC	NA	NA	< 370	370	U	120	< 470	470	U	160	< 350	350	U	120	< 370	370	U	120	< 360	360	U	120	< 350	350	U	120	< 360	360	U	120	< 360	360	U	120	< 360	360	U	120	< 360	360	U	120	< 370
100-02-7	4-Nitrophenol	SVOC	NA	100	< 370	370	U	170	< 470	470	U	210	< 350	350	U	160	< 370	370	U	170	< 360	360	U	160	< 350	350	U	160	< 360	360	U	160	< 360	360	U	160	< 360	360	U	160	< 360	360	U	160	< 370
83-32-9	Acenaphthene	SVOC	100,000a	98000	< 260	260	U	110	< 330	330	U	140	< 250	250	U	110	< 260	260	U	110	< 250	250	U	110	< 250	250	U	110	< 260	260	U	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110	< 260
208-96-8	Acenaphthylene	SVOC	100,000a	107000	< 150	150	U	100	< 190	190	U	130	< 140	140	U	99	< 150	150	U	100	< 150	150	U	100	< 140	140	U	98	< 150	150	U	100	< 140	140	U	100	< 150	150	U	100	< 150	150	U	100	< 150
98-86-2	Acetophenone	SVOC	NA	NA	< 260	260	U	120	< 330	330	U	150	< 250	250	U	110	< 260	260	U	110	< 250	250	U	110	< 250	250	U	110	< 260	260	U	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110	< 260
62-53-3	Aniline	SVOC	100000	330	< 370	370	U	370	< 470	470	U	470	< 350	350	U	350	< 370	370	U	370	< 360	360	U	360	< 350	350	U	350	< 360	360	U	350	< 360	360	U	350	< 360	360	U	350	< 360	360	U	350	< 370
120-12-7	Anthracene	SVOC	100,000a	1,000,000c	< 260	260	U	120	< 330	330	U	150	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120	< 260
1912-24-9	Atrazine	SVOC	NA	NA	< 150	150	U	110	< 190	190	U	140	< 140	140	U	110	< 150	150	U	110	< 150	150	U	110	< 140	140	U	110	< 150	150	U	110	< 140	140	U	110	< 150	150	U	110	< 150	150	U	110	< 150
100-52-7	Benzaldehyde	SVOC	NA	NA	< 260	260	U	110	< 330	330	U	140	< 250	250	U	100	< 260	260	U	110	< 250	250	U	110	< 250	250	U	100	< 260	260	U	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110	< 260
92-87-5	Benzidine	SVOC	NA	NA	< 260	260	U	150	< 330	330	U	190	< 250	250	U	140	< 260	260	U	150	< 250	250	U	150	< 250	250	U	140	< 260	260	U	150	< 250	250	U	140	< 250	250	U	140	< 250	250	U	150	< 260
56-55-3	Benzo-a-Anthracene	SVOC	1,000f	1,000f	< 260	260	U	120	170	330	J	160	< 250	250	U	120	< 260	260	U	120	120	250	J	120	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120	< 260
50-32-8	Benzo-a-Pyrene	SVOC	1,000f	22000	< 150	150	U	120	< 190	190	U	150	< 140	140	U	120	< 150	150	U	120	< 150	150	U	120	< 140	140	U	110	< 150	150	U	120	< 140	140	U	120	< 150	150	U	120	< 150	150	U	120	< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f	1700	< 260	260	U	130	< 330	330	U	160	< 250	250	U	120	< 260	260	U	130	< 250	250	U	120	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120	< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	3900	1700	< 260	260	U	120	< 330	330	U	160	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120	< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a	1,000,000c	< 260	260	U	120	< 330	330	U	150	< 250	250	U	110	< 260	260	U	120	< 250	250	U	120	< 250	250	U	110	< 260	260	U	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120	< 260
65-85-0	Benzoic Acid	SVOC	NA	100000	< 370	370	U	260	< 470	470	U	330	< 350	350	U	250	< 370	370	U	260	< 360	360	U	250	< 350	350	U	250	< 360	360	U	250	< 360	360	U	250	< 360	360	U	250	< 360	360	U	250	< 370
100-51-6	Benzyl Alcohol	SVOC	NA	NA	< 370	370	U	370	< 470	470	U	470	< 350	350	U	350	< 370	370	U	370	< 360	360	U	360	< 350	350	U	350	< 360	360	U	350	< 360	360	U	350	< 360	360	U	350	< 360	360	U	350	< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	NA	< 150	150	U	100	< 190	190	U	130	< 140	140	U	95	< 150	150	U	99	< 150	150	U	98	< 140	140	U	95	< 150	150	U	98	< 140	140	U	97	< 150	150	U	98	< 150	150	U	98	< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	NA	< 260	260	U	110	< 330	330	U	140	< 250	250	U	100	< 260	260	U	110	< 250	250	U	100	< 250	250	U	100	< 260	260	U	110	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100	< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	435000	< 260	260	U	110	< 330	330	U	140	< 250	250	U	100	< 260	260	U	110	< 250	250	U	100	< 250	250	U	100	< 260	260	U	110	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100	< 260
85-68-7	Butylbenzylphthalate	SVOC	NA	122000	< 260	260	U	95	< 330	330	U	120	< 250	250	U	91	< 260	260	U	94	< 250	250	U	94	<																				

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	IRRC BLUEST ONE N 3.1.22	RL	Q	MDL	IRRC BLUEST ONE S 3.1.22	RL	Q	MDL	IRRC BLUEST ONE E 3.1.22	RL	Q	MDL	IRRC BLUEST ONE W 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE NW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE SW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.1.22												
	Sample ID	Depth																																																			
	Date																																																				
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg								
11096-82-5	Aroclor 1260	PCB	NA	NA	< 73	73	U	73	< 96	96	U	96	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73
37324-23-5	Aroclor 1262	PCB	NA	NA	< 73	73	U	73	< 96	96	U	96	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73
11100-14-4	Aroclor 1268	PCB	NA	NA	< 73	73	U	73	< 96	96	U	96	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73	73	U	73	< 70	70	U	70	< 72	72	U	72	< 73
319-85-7	beta-BHC	PESTICIDE	360	90	< 1.5	1.5	U	1.5	< 1.9	1.9	U	1.9	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5
57-74-9	Chlordane	PESTICIDE	4200	2900	< 37	37	U	37	< 48	48	U	48	< 35	35	U	35	< 36	36	U	36	< 36	36	U	36	< 36	36	U	36	< 37	37	U	37	< 35	35	U	35	< 36	36	U	36	< 36	36	U	36	< 36	36	U	36	< 36				
319-86-8	delta-BHC	PESTICIDE	100,000a	250	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
1918-00-9	Dicamba	HERBICIDE	NA	NA	< 140	140	U	140	< 180	180	U	180	< 140	140	U	140	< 130	130	U	130	< 140	140	U	140	< 130	130	U	130	< 140	140	U	140	< 130	130	U	130	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140				
60-57-1	Dieldrin	PESTICIDE	200	100	< 1.5	1.5	U	1.5	< 1.9	1.9	U	1.9	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5
115-29-7	Endosulfan	PESTICIDE	NA	NA	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
959-98-8	Endosulfan I	PESTICIDE	24,000i	102000	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
33213-65-9	Endosulfan II	PESTICIDE	24,000i	102000	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
1031-07-8	Endosulfan Sulfate	PESTICIDE	24,000i	1,000,000c	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
72-20-8	Endrin	PESTICIDE	11000	60	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
58-89-9	gamma-BHC	PESTICIDE	1300	100	< 1.5	1.5	U	1.5	< 1.9	1.9	U	1.9	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA	14000	< 3.7	3.7	U	3.7	< 4.8	4.8	U	4.8	< 3.5	3.5	U	3.5	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.7	3.7	U	3.7	< 3.5	3.5	U	3.5	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.6				
76-44-8	Heptachlor	PESTICIDE	2100	380	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	20	< 7.3	7.3	U	7.3	< 9.6	9.6	U	9.6	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 7.2	7.2	U	7.2	< 7.3
72-43-5	Methoxychlor	PESTICIDE	NA	900000	< 37	37	U	37	< 48	48	U	48	< 35	35	U	35	< 36	36	U	36	< 36	36	U	36	< 36	36	U	36	< 37	37	U	37	< 35	35	U	35	< 36	36	U	36	< 36	36	U	36	< 36	36	U	36	< 36				
56-38-2	Parathion	PESTICIDE	NA	1200	< 370	370	U	150	< 470	470	U	190	< 350	350	U	140	< 370	370	U	150	< 360	360	U	150	< 360	360	U	140	< 360	360	U	150	< 360	360	U	140	< 360	360	U	140	< 360	360	U	150	< 370	370	U	150	< 370				
1336-36-3	Polychlorinated Biphenyls	PCBs	1000	3200	ND				ND				ND				ND				ND				ND				ND				ND				ND				ND				ND				ND				ND
8001-35-2	Toxaphene	PESTICIDE	NA	NA	< 150	150	U	150	< 190	190	U	190	< 140	140	U	140	< 140	140	U	140	< 150	150	U	150	< 140	140	U	140	< 150	150	U	150	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 150	150	U	150	< 150
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA	NA	13500	39		7.8	18900	48		9.7	13700	32		6.3	14000	38		7.5	13300	38		7.6	12800	38		7.5	14900	39		7.7	12900	36		7.2	13200	33		6.6	11300												
7440-36-0	Antimony, Sb	METAL	NA	NA	< 3.9	3.9	U	3.9	< 4.8	4.8	U	4.8	< 3.2	3.2	U	3.2	< 3.8	3.8	U	3.8	< 3.8	3.8	U	3.8	< 3.8	3.8	U	3.8	< 3.9	3.9	U	3.9	< 3.6	3.6	U	3.6	< 3.3	3.3	U	3.3	< 3.3	3.3	U	3.3	< 3.3	3.3	U	3.3	< 3.3				
7440-38-2	Arsenic, As	METAL	16f	16f	< 0.78	0.78	U	0.78	< 0.97	0.97	U	0.97	< 0.63	0.63	U	0.63	< 0.75	0.75	U	0.75	< 0.76	0.76	U	0.76	< 0.75	0.75	U	0.75	2.48	0.77		0.77	< 0.72	0.72	U	0.72	< 0.66	0.66	U	0.66	< 0.66	0.66	U	0.66	< 0.66								
7440-39-3	Barium, Ba	METAL	400	820	133	0.8		0.39	165	1.0		0.48	121	0.6		0.32	116	0.8		0.38	126	0.8		0.38	123	0.8		0.38	130	0.8		0.39	124	0.7		0.36	118	0.7		0.33	117												
7440-41-7	Beryllium, Be	METAL	72	47	0.58	0.31		0.16	0.8	0.39		0.19	0.54	0.25																																							

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

Bluestone Analysis
Location: 1000 Page Ave. Lyndhurst, NJ

[illegible]

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	RL	Q	MDL	IRRC BLUEST ONE CE 3.1.22	RL	Q	MDL	IRRC BLUEST ONE CW 3.1.22	RL	Q	MDL	IRRC BLUEST ONE N 3.8.22	RL	Q	MDL	IRRC BLUEST ONE S 3.8.22	RL	Q	MDL	IRRC BLUEST ONE E 3.8.22	RL	Q	MDL	IRRC BLUEST ONE W 3.8.22	RL	Q	MDL	IRRC BLUEST ONE NE 3.8.22	RL	Q	MDL	IRRC BLUEST ONE NW 3.8.22	RL	Q	MDL	IRRC BLUEST ONE SE 3.8.22	RL	Q				
	Sample ID	Depth																																												
	Date																																													
	Unit		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg		
11096-82-5	Aroclor 1260	PCB	NA	NA	73	U	73	< 73	73	U	73	< 70	70	U	70	< 69	69	U	69	< 72	72	U	72	< 70	70	U	70	< 72	72	U	72	< 69	69	U	69	< 71	71	U	71	< 71	71	U	71	< 71	71	U
37324-23-5	Aroclor 1262	PCB	NA	NA	73	U	73	< 73	73	U	73	< 70	70	U	70	< 69	69	U	69	< 72	72	U	72	< 70	70	U	70	< 72	72	U	72	< 69	69	U	69	< 71	71	U	71	< 71	71	U	71	< 71	71	U
11100-14-4	Aroclor 1268	PCB	NA	NA	73	U	73	< 73	73	U	73	< 70	70	U	70	< 69	69	U	69	< 72	72	U	72	< 70	70	U	70	< 72	72	U	72	< 69	69	U	69	< 71	71	U	71	< 71	71	U	71	< 71	71	U
319-85-7	beta-BHC	PESTICIDE	360	90	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U
57-74-9	Chlordane	PESTICIDE	4200	2900	36	U	36	< 36	36	U	36	< 35	35	U	35	< 35	35	U	35	< 36	36	U	36	< 35	35	U	35	< 36	36	U	36	< 34	34	U	34	< 35	35	U	35	< 36	36	U	36	< 36	36	U
319-86-8	delta-BHC	PESTICIDE	100,000a	250	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
1918-00-9	Dicamba	HERBICIDE	NA	NA	140	U	140	< 130	130	U	130	< 130	130	U	130	< 90	90	U	90	< 90	90	U	90	< 86	86	U	86	< 91	91	U	91	< 88	88	U	88	< 89	89	U	89	< 88	88	U	88	< 88	88	U
60-57-1	Dieldrin	PESTICIDE	200	100	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 2.0	2	U	2	< 1.4	1.4	U	1.4	< 2.0	2	U	2	< 1.4	1.4	U	1.4	< 1.4	1.4	U
115-29-7	Endosulfan	PESTICIDE	NA	NA	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
959-98-8	Endosulfan I	PESTICIDE	24,000i	102000	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
33213-65-9	Endosulfan II	PESTICIDE	24,000i	102000	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
1031-07-8	Endosulfan Sulfate	PESTICIDE	24,000i	1,000,000c	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
72-20-8	Endrin	PESTICIDE	11000	60	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
58-89-9	gamma-BHC	PESTICIDE	1300	100	1.5	U	1.5	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U
5103-74-2	Gamma Chlordane	PESTICIDE	NA	14000	3.6	U	3.6	< 6.0	6.0	U	6.0	< 3.5	3.5	U	3.5	< 3.5	3.5	U	3.5	< 3.6	3.6	U	3.6	< 3.5	3.5	U	3.5	< 3.6	3.6	U	3.6	< 3.4	3.4	U	3.4	< 3.5	3.5	U	3.5	< 3.6	3.6	U	3.6	< 3.6	3.6	U
76-44-8	Heptachlor	PESTICIDE	2100	380	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	20	7.3	U	7.3	< 7.3	7.3	U	7.3	< 7.0	7.0	U	7.0	< 6.9	6.9	U	6.9	< 7.2	7.2	U	7.2	< 7.0	7	U	7	< 7.2	7.2	U	7.2	< 6.9	6.9	U	6.9	< 7.1	7.1	U	7.1	< 7.1	7.1	U	7.1	< 7.1	7.1	U
72-43-5	Methoxychlor	PESTICIDE	NA	900000	36	U	36	< 36	36	U	36	< 35	35	U	35	< 35	35	U	35	< 36	36	U	36	< 35	35	U	35	< 36	36	U	36	< 34	34	U	34	< 35	35	U	35	< 36	36	U	36	< 36	36	U
56-38-2	Parathion	PESTICIDE	NA	1200	370	U	150	< 360	360	U	140	< 350	350	U	140	< 360	360	U	140	< 360	360	U	140	< 350	350	U	140	< 360	360	U	150	< 350	350	U	140	< 350	350	U	140	< 350	350	U	140	< 350	350	U
1336-36-3	Polychlorinated Biphenyls	PCBs	1000	3200				ND				ND				ND				ND			ND					ND				ND				ND				ND				ND		
8001-35-2	Toxaphene	PESTICIDE	NA	NA	150	U	150	< 150	150	U	150	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U
	Unit		mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg		mg/kg																															
7429-90-5	Aluminum, Al	METAL	NA	NA	33		6.6	14200	34		6.8	12700	36		7.2	15200	38		7.7	13400	34		6.8	12700	32		6.4	15100	38		7.5	14200	35		7	10100	33		6.6	13700	38					
7440-36-0	Antimony, Sb	METAL	NA	NA	3.3	U	3.3	< 3.4	3.4	U	3.4	< 3.6	3.6	U	3.6	< 3.8	3.8	U	3.8	< 3.4	3.4	U	3.4	< 3.2	3.2	U	3.2	< 3.8	3.8	U	3.8	< 3.5	3.5	U	3.5	< 3.3	3.3	U	3.3	< 3.8	3.8	U	3.8	< 3.8	3.8	U
7440-38-2	Arsenic, As	METAL	16f	16f	0.66	U	0.66	< 0.68	0.68	U	0.68	< 0.72	0.72	U	0.72	< 0.77	0.77	U	0.77	< 0.68	0.68	U	0.68	< 0.64	0.64	U	0.64	< 0.75	0.75	U	0.75	< 0.70	0.7	U	0.7	< 0.66	0.66	U	0.66	< 0.77	0.77	U	0.77	< 0.77	0.77	U
7440-39-3	Barium, Ba	METAL	400	820	0.7		0.33	128	0.7		0.34	119	0.7		0.36	134	0.8		0.38	126	0.7		0.34	111	0.6		0.32	139	0.8		0.38	133	0.7		0.35	91.9	0.7		0.33	128	0.8					
7440-41-7	Beryllium, Be	METAL	72	47	0.26		0.13	0.53	0.27		0.14	0.54	0.29		0.14	0.6	0.31		0.15	0.55	0.27		0.14	0.52	0.26		0.13	0.61	0.3		0.15	0.59	0.28		0.14	0.42	0.26		0.13	0.53	0.31					
7440-43-9	Cadmium, Cd	METAL	4.3	7.5	0.33		0.33	2.14	0.34		0.34	1.91	0.36		0.36	0.68	0.38		0.38	0.63	0.34		0.34	0.54	0.32		0.32	0.64	0.38		0.38	0.66	0.35		0.35	0.44	0.33		0.33	0.65	0.38					
18540-29-9	Chromium, hexavalent	METAL	110	19	0.41	U	0.41	< 0.43	0.43	U	0.43	< 0.39	0.39	U	0.39	< 0.41	0.41	U	0.41	< 0.43	0.43	U	0.43	< 0.38	0.38	U	0.38	< 0.42	0.42	U	0.42	< 0.40	0.4	U	0.4	< 0.42	0.42	U	0.42	< 0.37	0.37	U	0.37	< 0.37	0.37	U
16065-83-1	Chromium, trivalent	METAL	180	NA	0.33		0.33	31.6	0.34		0.34	30.2	0.36		0.36	35.8	0.38		0.38	30.7	0.34		0.34	32.4	0.32		0.32	36.8	0.38		0.38	33.4	0.35		0.35	22.9	0.33		0.33	32.8	0.38					
7440-48-4	Cobalt, Co	METAL	NA	NA	0.33		0.33</																																							

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	MDL	IRRC BLUEST ONE SW 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.8.22	RL	Q	MDL
	Sample ID	Depth															
	Date																
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	NA	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
71-55-6	1,1,1-Trichloroethane	VOC	100,000a	680	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA	600	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
79-00-5	1,1,2-Trichloroethane	VOC	NA	NA	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	NA	NA	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-34-3	1,1-Dichloroethane	VOC	26000	270	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
75-35-4	1,1-Dichloroethene	VOC	100,000a	330	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	3400	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
95-63-6	1,2,4-Trimethylbenzene	VOC	52000	3600	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	NA	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
106-93-4	1,2-Dibromoethane	VOC	NA	NA	0.49	< 4.6	4.6	U	0.51	< 4.1	4.1	U	0.45	< 4.9	4.9	U	0.55
95-50-1	1,2-Dichlorobenzene	VOC	100,000a	1100	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
107-06-2	1,2-Dichloroethane	VOC	3100	20f	0.49	< 5.0	5	U	0.51	< 4.5	4.5	U	0.45	< 5.0	5	U	0.55
78-87-5	1,2-Dichloropropane	VOC	NA	NA	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
108-67-8	1,3,5-Trimethylbenzene	VOC	52000	8400	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
541-73-1	1,3-Dichlorobenzene	VOC	49000	2400	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
106-46-7	1,4-Dichlorobenzene	VOC	13000	1800	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
123-91-1	1,4-Dioxane	VOC	13000	100e	39	< 67	67	U	41	< 67	67	U	36	< 67	67	U	44
78-93-3	2-Butanone	VOC	100,000a	120	4.9	< 31	31	U	5.1	< 27	27	U	4.5	< 33	33	U	5.5
108-10-1	4-Methyl-2-Pentanone	VOC	NA	1000	4.9	< 26	26	U	5.1	< 23	23	U	4.5	< 27	27	U	5.5
67-64-1	Acetone	VOC	100,000b	50	4.9	< 51	51	U	5.1	8.3	45	JS	4.5	< 55	55	U	5.5
107-02-8	Acrolein	VOC	NA	NA	2.4	< 26	26	U	2.6	< 23	23	U	2.3	< 27	27	U	2.7
107-13-1	Acrylonitrile	VOC	NA	NA	0.49	< 10	10	U	0.51	< 9.0	9	U	0.45	< 11	11	U	0.55
71-43-2	Benzene	VOC	4800	60	0.49	< 5.0	5	U	0.51	< 4.5	4.5	U	0.45	< 5.0	5	U	0.55
74-97-5	Bromochloromethane	VOC	NA	NA	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-27-4	Bromodichloromethane	VOC	NA	NA	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
75-25-2	Bromoform	VOC	NA	NA	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
74-83-9	Bromomethane	VOC	NA	NA	2	< 5.1	5.1	U	2	< 4.5	4.5	U	1.8	< 5.5	5.5	U	2.2
75-15-0	Carbon Disulfide	VOC	NA	2700	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
56-23-5	Carbon Tetrachloride	VOC	2400	760	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
108-90-7	Chlorobenzene	VOC	100,000a	1100	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
124-48-1	Chlorodibromomethane	VOC	NA	NA	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
75-00-3	Chloroethane	VOC	NA	1900	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
67-66-3	Chloroform	VOC	49000	370	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
74-87-3	Chloromethane	VOC	NA	NA	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
156-59-2	cis-1,2-Dichloroethene	VOC	100,000a	250	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-71-8	Dichlorodifluoromethane	VOC	NA	NA	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
100-41-4	Ethylbenzene	VOC	41000	1000	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
98-82-8	Isopropylbenzene	VOC	NA	2300	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-09-2	Methylene Chloride	VOC	100,000a	50	4.9	< 5.1	5.1	U	5.1	< 4.5	4.5	U	4.5	< 5.5	5.5	U	5.5
1634-04-4	Methyl Tert-Butyl Ether	VOC	100,000a	930	0.98	< 10	10	U	1	< 9.0	9	U	0.9	< 11	11	U	1.1
104-51-8	n-Butylbenzene	VOC	100,000a	12000	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
103-65-1	n-Propylbenzene	VOC	100,000a	3900	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
99-87-6	p-Isoproplytoluene	VOC	NA	10000	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
135-98-8	sec-Butylbenzene	VOC	100,000a	11000	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
100-42-5	Styrene	VOC	NA	NA	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
98-06-6	tert-Butylbenzene	VOC	100,000a	5900	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-65-0	Tertiary Butyl Alcohol	VOC	NA	NA	20	< 100	100	U	20	< 90	90	U	18	< 110	110	U	22
127-18-4	Tetrachloroethene	VOC	19000	1300	0.98	< 5.0	5	U	1	< 4.5	4.5	U	0.9	< 5.0	5	U	1.1
108-88-3	Toluene	VOC	100,000a	700	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
1330-20-7	Total Xylenes	VOC	100,000a	1600	4.9	< 5.1	5.1	U	5.1	< 4.5	4.5	U	4.5	< 5.5	5.5	U	5.5
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a	190	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
79-01-6	Trichloroethene	VOC	21000	470	0.49	< 5.1	5.1	U	0.51	< 4.5	4.5	U	0.45	< 5.5	5.5	U	0.55
75-69-4	Trichlorofluoromethane	VOC	NA	NA	0.98	< 5.1	5.1	U	1	< 4.5	4.5	U	0.9	< 5.5	5.5	U	1.1
108-05-4	Vinyl Acetate	VOC	NA	NA	49	< 51	51	U	51	< 45	45	U	45	< 55	55	U	55
75-01-4	Vinyl Chloride	VOC	900	20	0.49	< 5.0	5	U	0.51	< 4.5	4.5	U	0.45	< 5.0	5	U	0.55
87-68-3	Hexachlorobutadiene	SVOC	NA	NA	130	< 170	170	U	130	< 170	170	U	130	< 170	170	U	130
92-52-4	1-1- Biphenyl	SVOC	NA	NA	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	NA	350	< 350	350	U	350	< 350	350	U	350	< 350	350	U	350
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	NA	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	NA	160	< 250	250	U	170	< 250	250	U	160	< 250	250	U	170
95-95-4	2,4,5-Trichlorophenol	SVOC	NA	100	190	< 250	250	U	190	< 250	250	U	190	< 250	250	U	190
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	NA	110	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
102-83-2	2,4-Dichlorophenol	SVOC	NA	400	120	< 140	140	U	120	< 140	140	U	120	< 140	140	U	120
105-67-9	2,4-Dimethylphenol	SVOC	NA	NA	86	< 250	250	U	88	< 250	250	U	87	< 250	250	U	88
51-28-5	2,4-Dinitrophenol	SVOC	NA	200	240	< 250	250	U	250	< 250	250	U	250	< 250	250	U	250
121-14-2	2,4-Dinitrotoluene	SVOC	NA	NA	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140
606-20-2	2,6-Dinitrotoluene	SVOC	NA	170	110	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
91-58-7	2-Chloronaphthalene	SVOC	NA	NA	99	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100
95-57-8	2-Chlorophenol	SVOC	NA	NA	99	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100
91-57-6	2-Methylnaphthalene	SVOC	NA	NA	100	< 250	250	U	110	< 250	250	U	100	< 250	250	U	110

Bluestone Analysis
Location: 1000 Page Ave, Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	MDL	IRRC BLUEST ONE SW 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.8.22	RL	Q	MDL
	Sample ID	Depth															
	Date																
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg
95-48-7	2-Methylphenol	SVOC	100,000a	330e	160	< 250	250	U	170	< 250	250	U	160	< 250	250	U	170
88-74-4	2-Nitroaniline	SVOC	NA	400	240	< 300	300	U	250	< 300	300	U	250	< 300	300	U	250
88-75-5	2-Nitrophenol	SVOC	NA	300	220	< 250	250	U	220	< 250	250	U	220	< 250	250	U	220
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	NA	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140
99-09-2	3-Nitroaniline	SVOC	NA	500	240	< 710	710	U	250	< 700	700	U	250	< 710	710	U	250
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	NA	240	< 250	250	U	250	< 250	250	U	250	< 250	250	U	250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	NA	120	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120
106-47-8	4-Chloroaniline	SVOC	NA	220	160	< 230	230	U	160	< 230	230	U	160	< 230	230	U	170
100-01-6	4-Nitroaniline	SVOC	NA	NA	120	< 350	350	U	120	< 350	350	U	120	< 350	350	U	120
100-02-7	4-Nitrophenol	SVOC	NA	100	160	< 350	350	U	160	< 350	350	U	160	< 350	350	U	160
83-32-9	Acenaphthene	SVOC	100,000a	98000	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
208-96-8	Acenaphthylene	SVOC	100,000a	107000	97	< 140	140	U	99	< 140	140	U	98	< 140	140	U	99
98-86-2	Acetophenone	SVOC	NA	NA	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
62-53-3	Aniline	SVOC	100000	330	350	< 350	350	U	350	< 350	350	U	350	< 350	350	U	350
120-12-7	Anthracene	SVOC	100,000a	1,000,000c	110	< 250	250	U	120	< 250	250	U	120	260	250		120
1912-24-9	Atrazine	SVOC	NA	NA	100	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
100-52-7	Benzaldehyde	SVOC	NA	NA	100	< 250	250	U	100	< 250	250	U	100	< 250	250	U	110
92-87-5	Benzidine	SVOC	NA	NA	140	< 250	250	U	140	< 250	250	U	140	< 250	250	U	140
56-55-3	Benzo-a-Anthracene	SVOC	1,000f	1,000f	120	140	250	J	120	< 250	250	U	120	540	250		120
50-32-8	Benzo-a-Pyrene	SVOC	1,000f	22000	110	< 140	140	U	120	< 140	140	U	110	490	140		120
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f	1700	120	< 250	250	U	120	< 250	250	U	120	400	250		120
207-08-9	Benzo-k-Fluoranthene	SVOC	3900	1700	120	< 250	250	U	120	< 250	250	U	120	390	250		120
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a	1,000,000c	110	< 250	250	U	110	< 250	250	U	110	310	250		110
65-85-0	Benzoic Acid	SVOC	NA	100000	240	< 350	350	U	250	< 350	350	U	250	< 350	350	U	250
100-51-6	Benzyl Alcohol	SVOC	NA	NA	350	< 350	350	U	350	< 350	350	U	350	< 350	350	U	350
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	NA	94	< 140	140	U	95	< 140	140	U	95	< 140	140	U	96
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	NA	94	< 140	140	U	95	< 140	140	U	95	< 140	140	U	96
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	435000	100	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100
85-68-7	Butylbenzylphthalate	SVOC	NA	122000	90	< 250	250	U	91	< 250	250	U	90	< 250	250	U	92
105-60-2	Caprolactam	SVOC	NA	NA	240	< 250	250	U	250	< 250	250	U	250	< 250	250	U	250
86-74-8	Carbazole	SVOC	NA	NA	140	< 180	180	U	140	< 180	180	U	140	< 180	180	U	140
218-01-9	Chrysene	SVOC	3900	1,000f	120	140	250	J	120	< 250	250	U	120	530	250		120
75-99-0	Dalapon	SVOC	NA	NA	88	< 90	90	U	90	< 89	89	U	89	< 130	130	U	130
132-64-9	Dibenzofuran	SVOC	59000	6200	100	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e	1,000,000c	110	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
84-66-2	Diethyl Phthalate	SVOC	NA	7100	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
131-11-3	Dimethyl Phthalate	SVOC	NA	27000	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
84-74-2	Di-n-Butyl Phthalate	SVOC	NA	8100	92	< 250	250	U	94	< 250	250	U	93	< 250	250	U	94
117-84-0	Di-n-Octyl Phthalate	SVOC	NA	120000	90	< 250	250	U	91	< 250	250	U	90	< 250	250	U	92
206-44-0	Fluoranthene	SVOC	100,000a	1,000,000c	110	290	250		110	150	250	J	110	910	250		110
86-73-7	Fluorene	SVOC	100,000a	386000	110	< 250	250	U	120	< 250	250	U	120	< 250	250	U	120
118-74-1	Hexachlorobenzene	SVOC	1200	3200	100	< 140	140	U	100	< 140	140	U	100	< 140	140	U	100
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	NA	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
67-72-1	Hexachloroethane	SVOC	NA	NA	100	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f	8200	120	< 250	250	U	120	< 250	250	U	120	320	250		120
78-59-1	Isophorone	SVOC	NA	4400	97	< 140	140	U	99	< 140	140	U	98	< 140	140	U	99
91-20-3	Naphthalene	SVOC	100,000a	12000	100	< 250	250	U	100	< 250	250	U	100	< 250	250	U	100
98-95-3	Nitrobenzene	SVOC	15000	170	120	< 140	140	U	120	< 140	140	U	120	< 140	140	U	120
62-75-9	N-Nitrosodimethylamine	SVOC	NA	NA	98	< 250	250	U	100	< 250	250	U	99	< 250	250	U	100
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	NA	110	< 140	140	U	110	< 140	140	U	110	< 140	140	U	110
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	NA	130	< 140	140	U	140	< 140	140	U	130	< 140	140	U	140
87-86-5	Pentachlorophenol	SVOC	6700	800e	130	< 250	250	U	130	< 250	250	U	130	< 250	250	U	130
85-01-8	Phenanthrene	SVOC	100,000a	1,000,000c	99	390	140		100	160	140		100	990	140		100
108-95-2	Phenol	SVOC	100,000a	330e	110	< 250	250	U	110	< 250	250	U	110	< 250	250	U	110
129-00-0	Pyrene	SVOC	100,000a	1,000,000c	120	250	250		120	130	250	J	120	860	250		120
93-76-5	2,4,5-T	HERBICIDE	NA	1900	88	< 90	90	U	90	< 89	89	U	89	< 130	130	U	130
93-72-1	2,4,5-TP Acid	PESTICIDE	100,000a	3800	88	< 90	90	U	90	< 89	89	U	89	< 130	130	U	130
94-75-7	2,4-D	HERBICIDE	NA	500	180	< 180	180	U	180	< 180	180	U	180	< 270	270	U	270
72-54-8	4,4-DDD	PESTICIDE	13000	14000	2.1	< 2.2	2.2	U	2.2	< 2.1	2.1	U	2.1	< 2.1	2.1	U	2.1
72-55-9	4,4-DDE	PESTICIDE	8900	17000	2.1	< 2.2	2.2	U	2.2	< 2.1	2.1	U	2.1	< 2.1	2.1	U	2.1
50-29-3	4,4-DDT	PESTICIDE	7900	136000	2.1	< 2.2	2.2	U	2.2	< 2.1	2.1	U	2.1	< 2.1	2.1	U	2.1
309-00-2	Aldrin	PESTICIDE	97	190	3.6	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.5	3.5	U	3.5
319-84-6	alpha-BHC	PESTICIDE	480	20	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4
5103-71-9	Alpha Chlordane	PESTICIDE	4200	2900	3.6	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.5	3.5	U	3.5
12674-11-2	Aroclor 1016	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70
11104-28-2	Aroclor 1221	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70
11141-16-5	Aroclor 1232	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70
53469-21-9	Aroclor 1242	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70
12672-29-6	Aroclor 1248	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70
11097-69-1	Aroclor 1254	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70

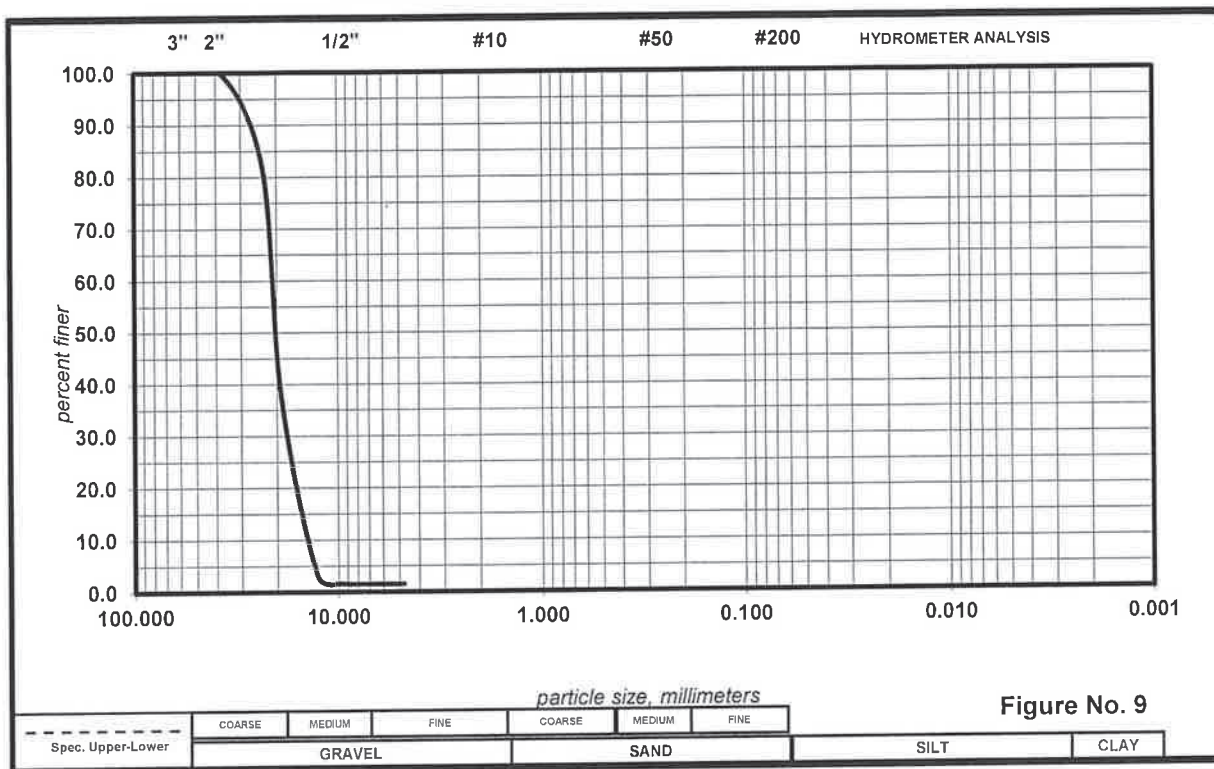
Bluestone Analysis
Location: 1000 Page Ave. Lyndhurst, NJ

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Restricted- Residential	NYCRR 375 Protection of Groundwater	MDL	IRRC BLUEST ONE SW 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CN 3.8.22	RL	Q	MDL	IRRC BLUEST ONE CS 3.8.22	RL	Q	MDL			
	Sample ID	Depth																		
	Date																			
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg	ug/kg	ug/kg		ug/kg			
11096-82-5	Aroclor 1260	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70			
37324-23-5	Aroclor 1262	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70			
11100-14-4	Aroclor 1268	PCB	NA	NA	71	< 72	72	U	72	< 71	71	U	71	< 70	70	U	70			
319-85-7	beta-BHC	PESTICIDE	360	90	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4			
57-74-9	Chlordane	PESTICIDE	4200	2900	36	< 36	36	U	36	< 36	36	U	36	< 35	35	U	35			
319-86-8	delta-BHC	PESTICIDE	100,000a	250	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
1918-00-9	Dicamba	HERBICIDE	NA	NA	88	< 90	90	U	90	< 89	89	U	89	< 130	130	U	130			
60-57-1	Dieldrin	PESTICIDE	200	100	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4			
115-29-7	Endosulfan	PESTICIDE	NA	NA	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
959-98-8	Endosulfan I	PESTICIDE	24,000i	102000	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
33213-65-9	Endosulfan II	PESTICIDE	24,000i	102000	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
1031-07-8	Endosulfan Sulfate	PESTICIDE	24,000i	1,000,000c	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
72-20-8	Endrin	PESTICIDE	11000	60	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
58-89-9	gamma-BHC	PESTICIDE	1300	100	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4	< 1.4	1.4	U	1.4			
5103-74-2	Gamma Chlordane	PESTICIDE	NA	14000	3.6	< 3.6	3.6	U	3.6	< 3.6	3.6	U	3.6	< 3.5	3.5	U	3.5			
76-44-8	Heptachlor	PESTICIDE	2100	380	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	20	7.1	< 7.2	7.2	U	7.2	< 7.1	7.1	U	7.1	< 7.0	7	U	7			
72-43-5	Methoxychlor	PESTICIDE	NA	900000	36	< 36	36	U	36	< 36	36	U	36	< 35	35	U	35			
56-38-2	Parathion	PESTICIDE	NA	1200	140	< 350	350	U	140	< 350	350	U	140	< 350	350	U	140			
1336-36-3	Polychlorinated Biphenyls	PCBs	1000	3200		ND				ND				ND						
8001-35-2	Toxaphene	PESTICIDE	NA	NA	140	< 140	140	U	140	< 140	140	U	140	< 140	140	U	140			
	Unit		mg/kg	mg/kg																
7429-90-5	Aluminum, Al	METAL	NA	NA	7.7	13400	33		6.6	11600	38		7.6	11600	34		6.9			
7440-36-0	Antimony, Sb	METAL	NA	NA	3.8	< 3.3	3.3	U	3.3	< 3.8	3.8	U	3.8	< 3.4	3.4	U	3.4			
7440-38-2	Arsenic, As	METAL	16f	16f	0.77	< 0.66	0.66	U	0.66	< 0.76	0.76	U	0.76	< 0.69	0.69	U	0.69			
7440-39-3	Barium, Ba	METAL	400	820	0.38	122	0.7		0.33	102	0.8		0.38	118	0.7		0.34			
7440-41-7	Beryllium, Be	METAL	72	47	0.15	0.55	0.27		0.13	0.51	0.3		0.15	0.46	0.28		0.14			
7440-43-9	Cadmium, Cd	METAL	4.3	7.5	0.38	0.65	0.33		0.33	0.51	0.38		0.38	0.56	0.34		0.34			
18540-29-9	Chromium, hexavalent	METAL	110	19	0.37	< 0.39	0.39	U	0.39	< 0.36	0.36	U	0.36	< 0.41	0.41	U	0.41			
16065-83-1	Chromium, trivalent	METAL	180	NA	0.38	32.2	0.33		0.33	34	0.38		0.38	26.5	0.34		0.34			
7440-48-4	Cobalt, Co	METAL	NA	NA	0.38	18.7	0.33		0.33	13	0.38		0.38	16.1	0.34		0.34			
7440-50-8	Copper, Cu	METAL	270	1720	0.38	47.4	0.7		0.33	28	0.8		0.38	43.3	0.7		0.34			
57-12-5	Cyanide	METAL	27	40	0.269	< 0.54	0.54	U	0.272	< 0.54	0.54	U	0.269	< 0.54	0.54	U	0.269			
7439-89-6	Iron, Fe	METAL	NA	NA	38	27400	33		33	21300	38		38	22700	34		34			
7439-92-1	Lead, Pb	METAL	400	450	0.38	11.4	0.7		0.33	11	0.8		0.38	10	0.7		0.34			
7439-96-5	Manganese, Mn	METAL	2,000f	2,000f	3.8	231	3.3		3.3	166	3.8		3.8	166	3.4		3.4			
7439-97-6	Mercury, Hg	METAL	.81j	0.73	0.02	< 0.03	0.03	U	0.02	< 0.03	0.03	U	0.02	< 0.03	0.03	U	0.02			
7440-02-0	Nickel, Ni	METAL	310	130	0.38	54.5	0.33		0.33	36.8	0.38		0.38	36.5	0.34		0.34			
7782-49-2	Selenium, Se	METAL	180	4f	1.3	< 1.3	1.3	U	1.1	< 1.5	1.5	U	1.3	< 1.4	1.4	U	1.2			
7440-22-4	Silver, Ag	METAL	180	8.3	0.38	< 0.33	0.33	U	0.33	< 0.38	0.38	U	0.38	< 0.34	0.34	U	0.34			
7440-28-0	Thallium, Tl	METAL	NA	NA	1.5	< 1.3	1.3	U	1.3	< 1.5	1.5	U	1.5	< 1.4	1.4	U	1.4			
7440-62-2	Vanadium, V	METAL	NA	NA	0.38	35	0.33		0.33	27.5	0.38		0.38	29.1	0.34		0.34			
7440-66-6	Zinc, Zn	METAL	10,000d	2480	0.38	68.1	0.7		0.33	55.8	0.8		0.38	67.5	0.7		0.34			
pH	pH	pH	NA	NA	1	8.7	1		1	8.64	1		1	8.65	1		1			
EPH	EPH	EPH	NA	NA	53	< 53	53	U	53	< 52	52	U	52	< 53	53	U	53			
Notes: Shaded values indicate an exceedance of NYCRR Part 375 SCO's																				

SOR TESTING LABORATORIES, INC.

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Tel.: (973) 239-6001 Fax: (973) 239-8380 <http://www.sorlabs.com>

PARTICLE SIZE DISTRIBUTION TEST REPORT



Specification*				Sample Identification		
Sieve Size	% Finer	Min.(%)	Max.(%)	Sample No.: 3/4" Bluestone Lab No.: A22-038-05 Source/Location: IRRC Description: 3/4" Stone <i>sample description in accordance with Burmister System</i>		
3" (75 mm)						
2 1/2" (63 mm)						
2" (50 mm)						
1 1/2" (38.1 mm)	100.0					
1" (25 mm)	82.0			LL : PL : PI : As received Moisture Content: %		
3/4" (19 mm)	37.5					
5/8" (16 mm)						
1/2" (12.5 mm)	3.2					
3/8" (9.5 mm)	1.6					
5/16" (8 mm)				Classification: USCS: [GP] AASHTO:		
1/4" (6.3 mm)						
#4 (4.75 mm)	1.5					
#6 (3.35 mm)						
#8 (2.36 mm)						
#10 (2 mm)				Remarks: Sample received in lab on March 30, 2022		
#14 (1.4 mm)						
#16 (1.18 mm)						
#20 (850 μm)						
#30 (600 μm)						
#40 (425 μm)				Client: Impact Materials Project: IRRC FAC-8 Location: Date: 6-Apr-22 Job No.: 20-09 Report No.: 22-277		
#50 (300 μm)						
#60 (250 μm)						
#100 (150 μm)						
#200 (75 μm)						
-						



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:00
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76709

Project ID: IRR
Client ID: IRR BLUESTONE N

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	13500	39	7.8	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.78	0.78	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	133	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.58	0.31	0.16	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	6960	3.9	3.6	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.06	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	18.3	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	31.2	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	39.4	0.8	0.39	mg/kg	1	03/02/22	CPP	SW6010D
Iron	27600	39	39	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	0.03	J 0.03	0.02	mg/Kg	2	03/02/22	AP	SW7471B
Potassium	8120	78	31	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	9550	39	39	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	262	3.9	3.9	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	571	8	3.4	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	43.9	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	21.3	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.6	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.6	1.6	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	31.2	0.39	0.39	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	33.0	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	71.7	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	90			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.00	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D	1
Redox Potential	172			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.46	0.231	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	55	55	mg/kg	1	03/02/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	79			%	1	03/02/22	JRB	40 - 140 %	
% Terphenyl (surr)	123			%	1	03/02/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	K/AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.47			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2800	2800	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	97			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	97			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1221	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1232	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1242	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1248	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1254	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1260	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1262	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1268	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	85			%	2	03/02/22	SC	30 - 150 %	
% DCBP (Confirmation)	74			%	2	03/02/22	SC	30 - 150 %	
% TCMX	70			%	2	03/02/22	SC	30 - 150 %	
% TCMX (Confirmation)	66			%	2	03/02/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	4.5	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	70			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	03/04/22	AW	30 - 150 %
% TCMX	63			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	61			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	92	49	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	31	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	31	3.1	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	12	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	6.1	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	37	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	12	12	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	6.1	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	120	24	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	6.1	6.1	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	6.1	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	6.1	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.61	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	61	61	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	260	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	740	260	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	740	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	260	98	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	120	J 150	110	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	96			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	72			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	81			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	76			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	370	260	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	370	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

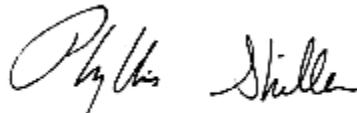
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:05
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76710

Project ID: IRRC
Client ID: IRRC BLUESTONE S

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	18900	48	9.7	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.97	0.97	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	165	1.0	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.80	0.39	0.19	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5830	4.8	4.4	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.70	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	23.0	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	41.4	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	50.9	1.0	0.48	mg/kg	1	03/02/22	CPP	SW6010D
Iron	38600	48	48	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	AP	SW7471B
Potassium	12000	97	38	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	11800	48	48	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	265	4.8	4.8	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	623	10	4.2	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	46.9	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	16.6	1.0	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	4.8	4.8	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.9	1.6	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Beryllium	ND	0.001	0.001	mg/L	1	03/07/22	EK	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.9	1.9	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	41.4	0.48	0.48	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	45.1	0.48	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	93.9	1.0	0.48	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	69			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.57	0.57	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	7.81	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D 1
Redox Potential	166			mV	1	03/01/22	MW/PK	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	ND	0.66	0.329	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	70	70	mg/kg	1	03/02/22	JRB	NJEPH 10-08 R3 1
<u>QA/QC Surrogates</u>								
% COD (surr)	81			%	1	03/02/22	JRB	40 - 140 %
% Terphenyl (surr)	115			%	1	03/02/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	K/AB/AB	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.09			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	180	180	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	180	180	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	360	360	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	3600	3600	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	180	180	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	180	180	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	360	360	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	360	360	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	85			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	86			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	96	96	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	81			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	73			%	2	03/02/22	SC	30 - 150 %
% TCMX	72			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	72			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.9	2.9	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.9	2.9	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	3.3	2.9	2.9	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.9	1.9	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	8.0	8.0	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	4.8	4.8	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	4.8	4.8	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.9	1.9	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	48	48	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.9	1.9	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.9	1.9	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	4.8	4.8	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	9.6	9.6	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	48	48	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	190	190	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	69			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	03/04/22	AW	30 - 150 %
% TCMX	63			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	62			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	56	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	35	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	35	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	35	3.5	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	14	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	7.0	2.8	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	42	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	14	14	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	7.0	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	140	28	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	7.0	7.0	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	7.0	1.4	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	7.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.70	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	70	70	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	330	170	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	470	470	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	330	220	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	330	260	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	190	150	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	190	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	330	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	300	300	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	190	190	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	190	150	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	330	220	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	300	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	330	300	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	330	190	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	190	190	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	940	330	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	300	300	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	330	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	940	220	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	330	160	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	470	160	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	470	210	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	190	130	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	190	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	170	J 330	160	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	330	190	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	190	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	330	160	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	330	160	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	470	470	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	330	120	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	190	130	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	330	330	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	200	190	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	170	J 330	160	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	190	150	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	330	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	370	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	330	160	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	190	140	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	330	170	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	190	140	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	330	160	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	190	130	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	330	140	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	190	160	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	330	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	170	150	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	190	180	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	300	180	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	420	190	130	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	330	150	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	310	J 330	160	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	93			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	76			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	81			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	84			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	74			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	470	470	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	470	330	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	470	190	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

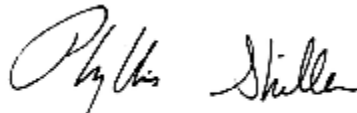
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:10
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76711

Project ID: IRRC
Client ID: IRRC BLUESTONE E

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	13700	32	6.3	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.63	0.63	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	121	0.6	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.54	0.25	0.13	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5290	3.2	2.9	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.10	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	19.3	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	31.8	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	66.0	0.6	0.32	mg/kg	1	03/02/22	CPP	SW6010D
Iron	27900	32	32	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	AP	SW7471B
Potassium	7640	63	25	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	9330	32	32	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	267	3.2	3.2	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	616	6	2.7	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	55.7	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	14.6	0.6	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.2	3.2	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
SPLP Nickel	ND	0.010	0.001	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	31.8	0.32	0.32	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	33.5	0.32	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	67.4	0.6	0.32	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	92			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	8.37	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D 1
Redox Potential	151			mV	1	03/01/22	MW/PK	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	ND	0.36	0.181	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	54	54	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3 1
<u>QA/QC Surrogates</u>								
% COD (surr)	80			%	1	03/03/22	JRB	40 - 140 %
% Terphenyl (surr)	112			%	1	03/03/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	K/AB/AB	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.26			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	95			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	99			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	80			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	75			%	2	03/02/22	SC	30 - 150 %
% TCMX	73			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	72			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	5.0	5.0	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	69			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	59			%	2	03/04/22	AW	30 - 150 %
% TCMX	64			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	60			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	83	44	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	28	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	28	2.8	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	11	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	33	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	11	11	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	110	22	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.5	5.5	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.55	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	55	55	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	710	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	710	160	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	140	99	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	160	J 250	110	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	140	99	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	160	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	140	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	76			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	84			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

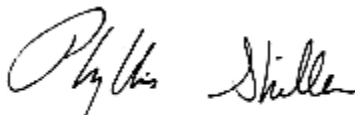
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:15
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76712

Project ID: IRR
Client ID: IRR BLUESTONE W

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	14000	38	7.5	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.75	0.75	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	116	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.54	0.30	0.15	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	14000	38	35	mg/Kg	10	03/02/22	CPP	SW6010D
Cadmium	1.95	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	18.0	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	34.9	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	47.2	0.8	0.38	mg/kg	1	03/02/22	CPP	SW6010D
Iron	26200	38	38	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/02/22	AP	SW7471B
Potassium	7210	75	29	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	9850	38	38	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	261	3.8	3.8	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	672	8	3.2	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	47.6	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	15.5	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	34.9	0.38	0.38	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	34.1	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	63.0	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	91			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.41	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D	1
Redox Potential	154			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.50	0.250	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	76			%	1	03/03/22	JRB	40 - 140 %	
% Terphenyl (surr)	114			%	1	03/03/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	K/AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.10			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	88			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	90			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1221	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1232	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1242	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1248	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1254	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1260	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1262	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1268	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	80			%	2	03/02/22	SC	30 - 150 %	
% DCBP (Confirmation)	71			%	2	03/02/22	SC	30 - 150 %	
% TCMX	67			%	2	03/02/22	SC	30 - 150 %	
% TCMX (Confirmation)	64			%	2	03/02/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	64			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	56			%	2	03/04/22	AW	30 - 150 %
% TCMX	61			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	58			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	78	42	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.7	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	26	2.6	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	10	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	10	10	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	100	21	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.2	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	52	52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	260	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	730	260	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	99	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	270	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	340	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	230	J 260	130	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	93			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	76			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	79			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	84			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	370	260	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	370	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

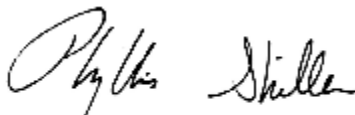
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:20
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76713

Project ID: IRRC
Client ID: IRRC BLUESTONE NE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	13300	38	7.6	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.76	0.76	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	126	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.60	0.30	0.15	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5080	3.8	3.5	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.07	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	18.4	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	30.5	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	36.9	0.8	0.38	mg/kg	1	03/02/22	CPP	SW6010D
Iron	27800	38	38	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	8230	76	30	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	8600	38	38	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	271	3.8	3.8	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	488	8	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	42.6	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	22.9	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Beryllium	ND	0.001	0.001	mg/L	1	03/07/22	EK	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	30.5	0.38	0.38	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	33.3	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	71.8	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	90			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	8.49	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D
Redox Potential	161			mV	1	03/01/22	MW/PK	SM2580B-09
Total Cyanide (SW9010C Distill.)	ND	0.56	0.278	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	54	54	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3
<u>QA/QC Surrogates</u>								
% COD (surr)	87			%	1	03/03/22	JRB	40 - 140 %
% Terphenyl (surr)	117			%	1	03/03/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.15			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	100			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	106			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	03/02/22	SC	30 - 150 %
% TCMX	59			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	63			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	5.0	5.0	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	61			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	53			%	2	03/04/22	AW	30 - 150 %
% TCMX	56			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	54			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	77	41	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.6	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	26	2.6	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	10	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	10	10	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	100	21	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.2	5.2	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	52	52	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	120	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	290	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	280	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	230	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	93			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	71			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	76			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	81			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	74			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	360	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

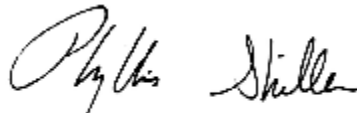
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:25
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76714

Project ID: IRRC
Client ID: IRRC BLUESTONE NW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	12800	38	7.5	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.75	0.75	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	123	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.60	0.30	0.15	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	7240	3.8	3.5	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	1.97	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	18.1	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	31.0	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	37.7	0.8	0.38	mg/kg	1	03/02/22	CPP	SW6010D
Iron	26200	38	38	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	7860	75	29	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	8380	38	38	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	227	3.8	3.8	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	443	8	3.2	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	38.1	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	24.3	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Beryllium	ND	0.001	0.001	mg/L	1	03/07/22	EK	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	31.0	0.38	0.38	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	32.6	0.38	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	66.2	0.8	0.38	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	92			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	8.38	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D 1
Redox Potential	161			mV	1	03/01/22	MW/PK	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	ND	0.54	0.272	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3 1
<u>QA/QC Surrogates</u>								
% COD (surr)	80			%	1	03/03/22	JRB	40 - 140 %
% Terphenyl (surr)	120			%	1	03/03/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.10			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	95			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	98			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	64			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	63			%	2	03/02/22	SC	30 - 150 %
% TCMX	63			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	61			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	49			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	45			%	2	03/04/22	AW	30 - 150 %
% TCMX	48			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	47			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	73	39	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	24	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	48	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	9.7	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	4.8	1.9	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.7	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	9.7	9.7	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	97	19	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	4.8	4.8	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.97	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	48	48	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	190	J 250	110	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	140	98	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	180	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	150	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	97			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	82			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	71			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	80			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	74			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

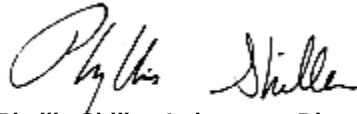
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:30
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76715

Project ID: IRRC
Client ID: IRRC BLUESTONE SE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	14900	39	7.7	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	2.48	0.77	0.77	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	130	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.57	0.31	0.15	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5970	3.9	3.5	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.15	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	19.7	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	38.0	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	41.8	0.8	0.39	mg/kg	1	03/02/22	CPP	SW6010D
Iron	28300	39	39	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	9090	77	30	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	10800	39	39	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	255	3.9	3.9	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	712	8	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	51.0	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	12.8	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.9	3.9	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
SPLP Nickel	ND	0.010	0.001	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	38.0	0.39	0.39	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	36.1	0.39	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	74.3	0.8	0.39	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	90			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	8.26	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D
Redox Potential	166			mV	1	03/01/22	MW/PK	SM2580B-09
Total Cyanide (SW9010C Distill.)	ND	0.62	0.309	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	55	55	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3
<u>QA/QC Surrogates</u>								
% COD (surr)	76			%	1	03/03/22	JRB	40 - 140 %
% Terphenyl (surr)	103			%	1	03/03/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.23			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	89			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	91			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	72			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	66			%	2	03/02/22	SC	30 - 150 %
% TCMX	60			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	49			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	44			%	2	03/04/22	AW	30 - 150 %
% TCMX	46			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	47			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	73	39	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	24	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	49	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	9.8	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	9.8	9.8	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	98	20	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	4.9	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	49	49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	90	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	260	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	730	260	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	170	J 260	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	160	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	140	J 260	130	ug/Kg	1	03/02/22	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	84			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	70			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	74			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	79			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	360	260	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	360	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

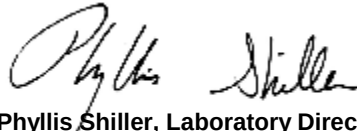
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:35
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76716

Project ID: IRR
Client ID: IRR BLUESTONE SW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	12900	36	7.2	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.72	0.72	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	124	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.58	0.29	0.14	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5460	3.6	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.01	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	16.9	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	45.0	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	42.4	0.7	0.36	mg/kg	1	03/02/22	CPP	SW6010D
Iron	26000	36	36	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	8000	72	28	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	8040	36	36	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	229	3.6	3.6	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	535	7	3.1	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	37.4	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	12.9	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	45.0	0.36	0.36	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	33.1	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	72.1	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	92			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.42	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D	1
Redox Potential	157			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.54	0.272	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	81			%	1	03/03/22	JRB	40 - 140 %	
% Terphenyl (surr)	111			%	1	03/03/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.16			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	83			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	86			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1221	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1232	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1242	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1248	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1254	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1260	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1262	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1268	ND	70	70	ug/Kg	2	03/02/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	71			%	2	03/02/22	SC	30 - 150 %	
% DCBP (Confirmation)	67			%	2	03/02/22	SC	30 - 150 %	
% TCMX	64			%	2	03/02/22	SC	30 - 150 %	
% TCMX (Confirmation)	64			%	2	03/02/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	55			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	47			%	2	03/04/22	AW	30 - 150 %
% TCMX	53			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	50			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	73	39	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	24	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	49	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	9.8	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	9.8	9.8	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	98	20	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	4.9	4.9	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.98	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	93			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	49	49	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	720	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	720	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	97	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	120	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	140	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	91			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	79			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	69			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	78			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	360	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

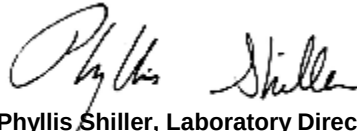
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:40
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76717

Project ID: IRR
Client ID: IRR BLUESTONE CN

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	13200	33	6.6	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.66	0.66	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	118	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.52	0.26	0.13	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	9120	3.3	3.0	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	2.26	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	16.5	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	33.4	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	57.5	0.7	0.33	mg/kg	1	03/02/22	CPP	SW6010D
Iron	30100	33	33	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	7580	66	26	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	9060	33	33	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	297	3.3	3.3	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	636	7	2.8	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	32.2	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	18.5	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	33.4	0.33	0.33	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	37.2	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	78.3	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	91			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.44	0.44	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.19	1.00	1.00	pH Units	1	03/01/22 23:46	MW/PK	SW846 9045D	1
Redox Potential	164			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.61	0.305	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	86			%	1	03/03/22	JRB	40 - 140 %	
% Terphenyl (surr)	115			%	1	03/03/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.08			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	82			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	87			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1221	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1232	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1242	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1248	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1254	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1260	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1262	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1268	ND	72	72	ug/Kg	2	03/02/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	66			%	2	03/02/22	SC	30 - 150 %	
% DCBP (Confirmation)	52			%	2	03/02/22	SC	30 - 150 %	
% TCMX	63			%	2	03/02/22	SC	30 - 150 %	
% TCMX (Confirmation)	54			%	2	03/02/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	55			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	55			%	2	03/04/22	AW	30 - 150 %
% TCMX	44			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	53			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	76	40	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.5	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	25	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	25	2.5	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	10	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.1	2.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	30	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	10	10	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	100	20	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.1	5.1	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.51	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	51	51	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	190	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	200	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	170	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	98			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	83			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	73			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	81			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	76			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	360	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

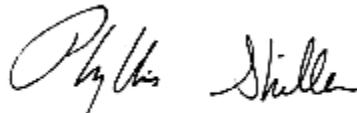
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:45
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76718

Project ID: IRR
Client ID: IRR BLUESTONE CS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	11300	33	6.6	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.66	0.66	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	117	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.51	0.26	0.13	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	4830	3.3	3.0	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	1.91	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	16.8	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	29.5	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	41.8	0.7	0.33	mg/kg	1	03/02/22	CPP	SW6010D
Iron	23900	33	33	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	7060	66	26	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	7730	33	33	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	217	3.3	3.3	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	455	7	2.8	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	38.0	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	11.2	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	29.5	0.33	0.33	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	30.6	0.33	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	69.1	0.7	0.33	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	89			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.12	1.00	1.00	pH Units	1	03/01/22 23:47	MW/PK	SW846 9045D	1
Redox Potential	172			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.51	0.255	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	54	54	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	78			%	1	03/03/22	JRB	40 - 140 %	
% Terphenyl (surr)	114			%	1	03/03/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.13			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2800	2800	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	140	140	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	280	280	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	86			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	89			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1221	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1232	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1242	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1248	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1254	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1260	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1262	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	
PCB-1268	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	75			%	2	03/02/22	SC	30 - 150 %	
% DCBP (Confirmation)	66			%	2	03/02/22	SC	30 - 150 %	
% TCMX	62			%	2	03/02/22	SC	30 - 150 %	
% TCMX (Confirmation)	59			%	2	03/02/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	63			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	53			%	2	03/04/22	AW	30 - 150 %
% TCMX	56			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	55			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	88	47	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	29	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	29	2.9	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	12	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.9	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	35	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	12	12	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.9	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	120	24	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.2	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.9	5.9	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.59	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	59	59	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	260	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	740	260	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	740	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	370	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	370	170	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	260	150	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	190	150	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	260	98	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	180	J 260	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	260	110	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	170	150	110	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	260	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	150	J 260	130	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	101			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	86			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	76			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	80			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	84			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	77			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	370	370	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	370	260	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	370	150	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

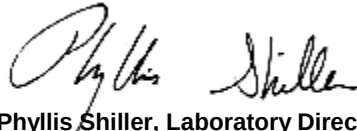
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:50
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76719

Project ID: IRRC
Client ID: IRRC BLUESTONE CE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	14200	34	6.8	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.68	0.68	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	128	0.7	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.53	0.27	0.14	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	13400	34	31	mg/Kg	10	03/02/22	CPP	SW6010D
Cadmium	2.14	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	20.2	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	31.6	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	40.2	0.7	0.34	mg/kg	1	03/02/22	CPP	SW6010D
Iron	29100	34	34	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	8450	68	26	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	10900	34	34	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	250	3.4	3.4	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	599	7	2.9	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	51.8	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	11.1	0.7	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
SPLP Nickel	ND	0.010	0.001	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	31.6	0.34	0.34	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	36.7	0.34	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	76.9	0.7	0.34	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	91			%		03/01/22	Q	SW846-%Solid

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	03/02/22	BJA	SW7196A
pH at 25C - Soil	8.15	1.00	1.00	pH Units	1	03/01/22 23:47	MW/PK	SW846 9045D
Redox Potential	184			mV	1	03/01/22	MW/PK	SM2580B-09
Total Cyanide (SW9010C Distill.)	ND	0.55	0.275	mg/Kg	1	03/04/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	54	54	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3
<u>QA/QC Surrogates</u>								
% COD (surr)	79			%	1	03/03/22	JRB	40 - 140 %
% Terphenyl (surr)	105			%	1	03/03/22	JRB	40 - 140 %
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312
Final pH of SPLP Extraction	10.15			pH units	1	03/04/22		SW9040C
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A
Dalapon	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
Dicamba	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A

QA/QC Surrogates

% DCAA	87			%	10	03/02/22	JRB	30 - 150 %
% DCAA (Confirmation)	93			%	10	03/02/22	JRB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	03/02/22	SC	SW8082A

QA/QC Surrogates

% DCBP	75			%	2	03/02/22	SC	30 - 150 %
% DCBP (Confirmation)	72			%	2	03/02/22	SC	30 - 150 %
% TCMX	66			%	2	03/02/22	SC	30 - 150 %
% TCMX (Confirmation)	66			%	2	03/02/22	SC	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	6.0	6.0	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	6.0	6.0	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	63			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	62			%	2	03/04/22	AW	30 - 150 %
% TCMX	61			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	65			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	71	38	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	24	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	47	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	9.5	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	4.7	1.9	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	28	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.5	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	9.5	9.5	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	4.7	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	95	19	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	4.7	4.7	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.7	0.95	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	4.7	0.47	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	96			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	47	47	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	130	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	720	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	720	170	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	97	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	220	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	140	130	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	250	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	180	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	96			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	73			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	82			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	73			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	360	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

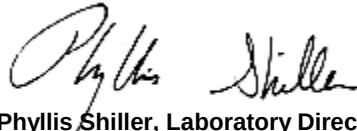
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 07, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/01/22
03/01/22

Time

8:55
14:59

Laboratory Data

SDG ID: GCK76709
Phoenix ID: CK76720

Project ID: IRR
Client ID: IRR BLUESTONE CW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Aluminum	12700	36	7.2	mg/Kg	10	03/02/22	CPP	SW6010D
Arsenic	ND	0.72	0.72	mg/Kg	1	03/02/22	CPP	SW6010D
Barium	119	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Beryllium	0.54	0.29	0.14	mg/Kg	1	03/02/22	CPP	SW6010D
Calcium	5750	3.6	3.3	mg/Kg	1	03/02/22	CPP	SW6010D
Cadmium	1.91	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Cobalt	16.1	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Chromium	30.2	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Copper	35.8	0.7	0.36	mg/kg	1	03/02/22	CPP	SW6010D
Iron	26200	36	36	mg/Kg	10	03/02/22	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/04/22	MGH	SW7471B
Potassium	7730	72	28	mg/Kg	10	03/02/22	CPP	SW6010D
Magnesium	7950	36	36	mg/Kg	10	03/02/22	CPP	SW6010D
Manganese	229	3.6	3.6	mg/Kg	10	03/02/22	EK	SW6010D
Sodium	530	7	3.1	mg/Kg	1	03/02/22	CPP	SW6010D
Nickel	33.0	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Lead	25.7	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	03/02/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Cadmium	ND	0.005	0.0005	mg/L	1	03/07/22	EK	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/02/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/05/22	AB/AB	SW3010A
Trivalent Chromium	30.2	0.36	0.36	mg/kg	1	03/02/22		CALC 6010-7196
Vanadium	33.0	0.36	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Zinc	65.9	0.7	0.36	mg/Kg	1	03/02/22	CPP	SW6010D
Percent Solid	92			%		03/01/22	Q	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.39	0.39	mg/Kg	1	03/02/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.18	1.00	1.00	pH Units	1	03/01/22 23:47	MW/PK	SW846 9045D	1
Redox Potential	175			mV	1	03/01/22	MW/PK	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.60	0.302	mg/Kg	1	03/04/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/03/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	85			%	1	03/03/22	JRB	40 - 140 %	
% Terphenyl (surr)	112			%	1	03/03/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/01/22	O/E	SW3545A	
Soil Extraction for Pesticides	Completed					03/01/22	O/E	SW3545A	
Mercury Digestion	Completed					03/02/22	AB/AB/K	SW7471B	
Soil Extraction for Herbicide	Completed					03/01/22	M/D	SW3546	
NJ EPH Extraction	Completed					03/01/22	B/R/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/01/22	B/R/L	SW3546	
SPLP Extraction for Metals	Completed					03/04/22	AB	SW1312	
Final pH of SPLP Extraction	10.05			pH units	1	03/04/22		SW9040C	
Total Metals Digest	Completed					03/01/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-D	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
2,4-DB	ND	2700	2700	ug/Kg	10	03/02/22	JRB	SW8151A	
Dalapon	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dicamba	ND	130	130	ug/Kg	10	03/02/22	JRB	SW8151A	
Dichloroprop	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	
Dinoseb	ND	270	270	ug/Kg	10	03/02/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	78			%	10	03/02/22	JRB	30 - 150 %	
% DCAA (Confirmation)	81			%	10	03/02/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1221	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1232	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1242	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1248	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1254	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1260	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1262	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	
PCB-1268	ND	70	70	ug/Kg	2	03/03/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	72			%	2	03/03/22	SC	30 - 150 %	
% DCBP (Confirmation)	65			%	2	03/03/22	SC	30 - 150 %	
% TCMX	57			%	2	03/03/22	SC	30 - 150 %	
% TCMX (Confirmation)	60			%	2	03/03/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/04/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
a-Chlordane	ND	5.0	5.0	ug/Kg	2	03/04/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/04/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/04/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/04/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/04/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	59			%	2	03/04/22	AW	30 - 150 %
% DCBP (Confirmation)	54			%	2	03/04/22	AW	30 - 150 %
% TCMX	57			%	2	03/04/22	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	03/04/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Naphthalene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
n-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
n-Propylbenzene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
sec-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
tert-Butylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	82	43	ug/kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
2-Hexanone	ND	27	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acetone	ND	50	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
Acrolein	ND	27	2.7	ug/Kg	1	03/02/22	JLI	SW8260C
Acrylonitrile	ND	11	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Benzene	ND	5.0	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Bromomethane	ND	5.4	2.2	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Cyclohexane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Ethylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Isopropylbenzene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
m&p-Xylene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl ethyl ketone	ND	33	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methylacetate	ND	11	11	ug/Kg	1	03/02/22	JLI	SW8260C
Methylcyclohexane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
o-Xylene	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
tert-butyl alcohol	ND	110	22	ug/Kg	1	03/02/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.1	ug/Kg	1	03/02/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Total Xylenes	ND	5.4	5.4	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	03/02/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.54	ug/Kg	1	03/02/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/02/22	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	03/02/22	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	03/02/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/02/22	JLI	70 - 130 %
Vinyl Acetate	ND	54	54	ug/Kg	1	03/02/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/02/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	03/02/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/02/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/02/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/02/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	03/02/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	03/02/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/02/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Acenaphthylene	ND	140	99	ug/Kg	1	03/02/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/02/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/02/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/02/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/02/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/02/22	WB	SW8270D
Fluoranthene	150	J 250	110	ug/Kg	1	03/02/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/02/22	WB	SW8270D
Isophorone	ND	140	99	ug/Kg	1	03/02/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/02/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/02/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/02/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/02/22	WB	SW8270D
Phenanthrene	130	J 140	100	ug/Kg	1	03/02/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/02/22	WB	SW8270D
Pyrene	130	J 250	120	ug/Kg	1	03/02/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	96			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorobiphenyl	81			%	1	03/02/22	WB	30 - 130 %
% 2-Fluorophenol	73			%	1	03/02/22	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	03/02/22	WB	30 - 130 %
% Phenol-d5	82			%	1	03/02/22	WB	30 - 130 %
% Terphenyl-d14	75			%	1	03/02/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/02/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/02/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/02/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------------	-------	----------	-----------	----	-----------

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

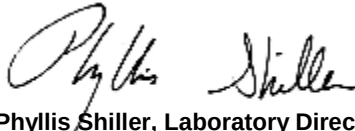
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 07, 2022

Official Report Release To Follow

Sample Criteria Exceedances Report

Criteria: NJ: IGWSS, RC; NY: 375

State: NY

GCK76709 - IMPACTJB-IM

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK76709	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13500	39	6000	3900	mg/Kg
CK76709	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.06	0.39	2	1	mg/Kg
CK76709	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.2	0.39	30		mg/Kg
CK76709	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	262	3.9	65	42	mg/Kg
CK76709	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	43.9	0.39	30	30	mg/Kg
CK76710	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	18900	48	6000	3900	mg/Kg
CK76710	BE-SM	Beryllium	NJ / Impact To Ground Water / Soil Screen Levels	0.80	0.39	0.7	0.5	mg/Kg
CK76710	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.70	0.48	2	1	mg/Kg
CK76710	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.70	0.48	2.5	2.5	mg/Kg
CK76710	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	41.4	0.48	30		mg/Kg
CK76710	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	50.9	1.0	50	50	mg/kg
CK76710	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	265	4.8	65	42	mg/Kg
CK76710	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	46.9	0.48	30	30	mg/Kg
CK76711	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13700	32	6000	3900	mg/Kg
CK76711	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.10	0.32	2	1	mg/Kg
CK76711	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.8	0.32	30		mg/Kg
CK76711	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	66.0	0.6	50	50	mg/kg
CK76711	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	267	3.2	65	42	mg/Kg
CK76711	NI-SM	Nickel	NJ / Impact To Ground Water / Soil Screen Levels	55.7	0.32	48	31	mg/Kg
CK76711	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	55.7	0.32	30	30	mg/Kg
CK76712	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	14000	38	6000	3900	mg/Kg
CK76712	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	34.9	0.38	30		mg/Kg
CK76712	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	261	3.8	65	42	mg/Kg
CK76712	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	47.6	0.38	30	30	mg/Kg
CK76713	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13300	38	6000	3900	mg/Kg
CK76713	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.07	0.38	2	1	mg/Kg
CK76713	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.5	0.38	30		mg/Kg
CK76713	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	271	3.8	65	42	mg/Kg
CK76713	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	42.6	0.38	30	30	mg/Kg
CK76714	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	12800	38	6000	3900	mg/Kg
CK76714	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.0	0.38	30		mg/Kg
CK76714	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	227	3.8	65	42	mg/Kg
CK76714	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.1	0.38	30	30	mg/Kg
CK76715	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	14900	39	6000	3900	mg/Kg
CK76715	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.15	0.39	2	1	mg/Kg
CK76715	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	38.0	0.39	30		mg/Kg
CK76715	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	255	3.9	65	42	mg/Kg

Sample Criteria Exceedances Report

Criteria: NJ: IGWSS, RC; NY: 375

State: NY

GCK76709 - IMPACTJB-IM

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK76715	NI-SM	Nickel	NJ / Impact To Ground Water / Soil Screen Levels	51.0	0.39	48	31	mg/Kg
CK76715	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	51.0	0.39	30	30	mg/Kg
CK76716	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	12900	36	6000	3900	mg/Kg
CK76716	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.01	0.36	2	1	mg/Kg
CK76716	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	45.0	0.36	30		mg/Kg
CK76716	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	229	3.6	65	42	mg/Kg
CK76716	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	37.4	0.36	30	30	mg/Kg
CK76717	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13200	33	6000	3900	mg/Kg
CK76717	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.26	0.33	2	1	mg/Kg
CK76717	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	33.4	0.33	30		mg/Kg
CK76717	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.5	0.7	50	50	mg/kg
CK76717	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	297	3.3	65	42	mg/Kg
CK76717	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	32.2	0.33	30	30	mg/Kg
CK76718	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	11300	33	6000	3900	mg/Kg
CK76718	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	217	3.3	65	42	mg/Kg
CK76718	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.0	0.33	30	30	mg/Kg
CK76719	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	14200	34	6000	3900	mg/Kg
CK76719	CD-SM	Cadmium	NJ / Impact To Ground Water / Soil Screen Levels	2.14	0.34	2	1	mg/Kg
CK76719	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.6	0.34	30		mg/Kg
CK76719	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	250	3.4	65	42	mg/Kg
CK76719	NI-SM	Nickel	NJ / Impact To Ground Water / Soil Screen Levels	51.8	0.34	48	31	mg/Kg
CK76719	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	51.8	0.34	30	30	mg/Kg
CK76720	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	12700	36	6000	3900	mg/Kg
CK76720	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	30.2	0.36	30		mg/Kg
CK76720	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	229	3.6	65	42	mg/Kg
CK76720	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.0	0.36	30	30	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Shannon Wilhelm

GCR 76709

Subject: FW: Impact/NY Env
Attachments: 20220301150905.pdf

From: Michael Lapman <michael@phoenixlabs.com>
Sent: Tuesday, March 1, 2022 3:13 PM
To: Shannon Wilhelm <shannon@phoenixlabs.com>
Subject: FW: Impact/NY Env

Impact—IM:

3-day Rush TAT and compare to:

1. NJ new Residential inhalation soil standard
2. NJ new Residential ingestion-dermal soil standard
3. NJIGWs

Jeff will not require any PA criteria comparisons for his samples only.

If we can remove, thank you!!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com



This message, including any attachments hereto, may contain privileged or confidential information and is sent solely for the attention and use of the intended addressee(s). If you are not an intended addressee, you may neither use this message nor copy or deliver it to anyone. In such case, you should immediately destroy this message and kindly notify the sender by reply email. Thank you

Subject: Re: Impact/NY Env

No, Jeff was dropping off some samples, I have to look at the criteria. Thanks!

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Coolant: IPK ☒ ICE ☐ No ☐
Temp 11.2°C Pg of

Contact Options:

Fax: ☐
Phone: ☐
Email: ☐

Customer: Impact Materials
Address: 1000 Page Ave
Lyndhurst, NJ

Project: IRR
Report to: jbojoian@impactenvironmental.com
Invoice to: BWalsh@impactenvironmental.com
QUOTE #:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification				Analysis Request	
Sampler's Signature	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	
Matrix Code: DW=Drinking Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil B=Bulk L=Liquid	IRRC Bluestone N	S	3/1/2022	8:00	
	IRRC Bluestone S	S	3/1/2022	8:05	
	IRRC Bluestone E	S	3/1/2022	8:10	
	IRRC Bluestone W	S	3/1/2022	8:15	
	IRRC Bluestone NE	S	3/1/2022	8:20	
	IRRC Bluestone NW	S	3/1/2022	8:25	
	IRRC Bluestone SE	S	3/1/2022	8:30	
	IRRC Bluestone SW	S	3/1/2022	8:35	
	IRRC Bluestone CN	S	3/1/2022	8:40	
	IRRC Bluestone CS	S	3/1/2022	8:45	
	IRRC Bluestone CE	S	3/1/2022	8:50	
	IRRC Bluestone CW	S	3/1/2022	8:55	

Relinquished by:	Accepted by:	Date: 3/1/22	Time: 14:59
Turnaround: ☐ 1 Day* ☐ 2 Days* ☒ 3 Days* ☐ 5 Days ☐ 10 Days ☐ Other			
* SURCHARGE APPLIES			
NJ ☒ SRS Ingestion - Dermal Res. Criteria ☒ SRS Inhalation Res. Criteria ☒ SRS Migration to GW		NY ☐ TOGS GW ☐ CP-51 SOIL ☐ 375SSCO ☐ Unrestricted Soil ☐ 375SSCO ☐ Residential Soil ☐ 375SSCO ☐ Restricted Soil ☐ 375SSCO ☐ Commercial Soil ☐ 375SSCO ☐ Industrial Soil ☐ Subpart 5 DW	
Data Format: ☐ Phoenix Std Report ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other			
Data Package: ☐ NJ Reduced Deliv. * ☐ NY Enhanced (ASP B) * ☐ Other			
What State were samples collected? NJ			

Comments, Special Requirements or Regulations:

Bobbi Aloisa

From: Michael Lapman
Sent: Friday, March 04, 2022 2:39 PM
To: Bobbi Aloisa
Subject: FW: Impact--Add On

Bobbi:

Please see the below, Full Extraction Data required.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com



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From: Jeff Bogoian <jbogoian@impactenvironmental.com>
Date: Friday, March 4, 2022 at 2:28 PM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: RE: IRRC

Michael,

Please run the analysis below on standard TAT.

	SPLP Cadmium	SPLP Beryllium	SPLP Nickel
IRRC BLUESTONE N 3.1.22 CK76709	X		
IRRC BLUESTONE S 3.1.22 CK76710	X	X	
IRRC BLUESTONE E 3.1.22 CK76711	X		X
IRRC BLUESTONE W 3.1.22 CK76712	X		
IRRC BLUESTONE NE 3.1.22 CK76713	X	X	
IRRC BLUESTONE NW 3.1.22 CK76714	X	X	

IRRC BLUESTONE SE 3.1.22 CK76715	X		X
IRRC BLUESTONE SW 3.1.22 CK76716	X		
IRRC BLUESTONE CN 3.1.22 CK76717	X		
IRRC BLUESTONE CS 3.1.22 CK76718	X		
IRRC BLUESTONE CE 3.1.22 CK76719	X		X
IRRC BLUESTONE CW 3.1.22 CK76720	X		



JEFF BOGOIAN | Facility Manager

O: 201-268-5686 x140 C: 631-334-2325
1000 Page Avenue, Lyndhurst, NJ 07071

[Our email policies](#)



From: Michael Lapman <michael@phoenixlabs.com>
Sent: Friday, March 4, 2022 2:05 PM
To: Jeff Bogoian <jbogoian@impactenvironmental.com>
Subject: Fwd: IRRC

Attached.

Regards,
Michael Lapman

Sent from my iPhone

Begin forwarded message:

From: Sarah Bell <sarah@phoenixlabs.com>
Date: March 4, 2022 at 2:04:19 PM EST
To: Michael Lapman <michael@phoenixlabs.com>
Subject: IRRC



Thursday, March 17, 2022

Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Project ID: IRRC BLUESTONE
SDG ID: GCK81155
Sample ID#s: CK81155 - CK81164

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

March 17, 2022

SDG I.D.: GCK81155

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus forms.

Version 2: Complete report with QC and forms.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 17, 2022

SDG I.D.: GCK81155

Project ID: IRRC BLUESTONE

Client Id	Lab Id	Matrix
IRRC BLUESTONE N	CK81155	SOIL
IRRC BLUESTONE S	CK81156	SOIL
IRRC BLUESTONE E	CK81157	SOIL
IRRC BLUESTONE W	CK81158	SOIL
IRRC BLUESTONE NE	CK81159	SOIL
IRRC BLUESTONE NW	CK81160	SOIL
IRRC BLUESTONE SE	CK81161	SOIL
IRRC BLUESTONE SW	CK81162	SOIL
IRRC BLUESTONE CN	CK81163	SOIL
IRRC BLUESTONE CS	CK81164	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:00
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81155

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE N

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	15200	38	7.7	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.77	0.77	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	134	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.60	0.31	0.15	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	5160	3.8	3.5	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.68	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	19.8	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	35.8	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	56.1	0.8	0.38	mg/kg	1	03/10/22	EK	SW6010D
Iron	29800	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	8900	77	30	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	9510	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	249	3.8	3.8	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	536	8	3.3	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	50.2	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	14.8	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Nickel	0.001	J 0.010	0.001	mg/L	1	03/15/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/15/22	AB/AB	SW3010A
Trivalent Chromium	35.8	0.38	0.38	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	37.0	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	72.5	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	93			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	03/09/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.33	1.00	1.00	pH Units	1	03/09/22 00:23	MW	SW846 9045D	1
Redox Potential	129			mV	1	03/09/22	MW	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.49	0.244	mg/Kg	1	03/10/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/10/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	72			%	1	03/10/22	JRB	40 - 140 %	
% Terphenyl (surr)	94			%	1	03/10/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
SPLP Extraction for Metals	Completed					03/14/22	AB	SW1312	
Final pH of SPLP Extraction	10.16			pH units	1	03/14/22		SW1312	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	107			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	56			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1221	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1232	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1242	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1248	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1254	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1260	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1262	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1268	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	70			%	2	03/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	68			%	2	03/09/22	SC	30 - 150 %	
% TCMX	60			%	2	03/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	59			%	2	03/09/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	49			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	47			%	2	03/09/22	AW	30 - 150 %
% TCMX	48			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	48			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	43	ug/kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.8	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	27	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	53	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	27	2.7	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	11	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	5.0	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	32	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	11	11	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	110	21	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	5.3	5.3	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.53	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	99			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	53	53	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	99	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	710	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	170	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	120	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	75			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	60			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	51			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	49			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	50			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	58			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	360	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:05
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81156

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE S

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	13400	34	6.8	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.68	0.68	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	126	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.55	0.27	0.14	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	4850	3.4	3.1	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.63	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	17.9	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	30.7	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	60.7	0.7	0.34	mg/kg	1	03/10/22	EK	SW6010D
Iron	26300	34	34	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	7720	68	26	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	8130	34	34	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	218	3.4	3.4	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	468	7	2.9	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	44.0	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	13.9	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	30.7	0.34	0.34	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	31.4	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	73.7	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	92			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.43	0.43	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.18	1.00	1.00	pH Units	1	03/09/22 00:23	MW	SW846 9045D 1
Redox Potential	142			mV	1	03/09/22	MW	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.54	0.272	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/10/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	65			%	1	03/10/22	JRB	40 - 140 %	
% Terphenyl (surr)	105			%	1	03/10/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	108			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	56			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1221	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1232	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1242	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1248	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1254	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1260	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1262	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1268	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	69			%	2	03/10/22	SC	30 - 150 %	
% DCBP (Confirmation)	66			%	2	03/10/22	SC	30 - 150 %	
% TCMX	60			%	2	03/10/22	SC	30 - 150 %	
% TCMX (Confirmation)	57			%	2	03/10/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	50			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	48			%	2	03/09/22	AW	30 - 150 %
% TCMX	46			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	46			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	53	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	33	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	66	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	33	3.3	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	13	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	6.6	2.7	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	40	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	13	13	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	6.6	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	130	27	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	6.6	6.6	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	6.5	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	6.6	1.3	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.6	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.66	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	66	66	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	720	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	170	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	130	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	98	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	230	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	270	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	180	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	85			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	67			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	53			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	51			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	53			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	63			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	360	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:10
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81157

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE E

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	12700	32	6.4	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.64	0.64	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	111	0.6	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.52	0.26	0.13	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	4660	3.2	3.0	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.54	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	15.8	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	32.4	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	44.2	0.6	0.32	mg/kg	1	03/10/22	EK	SW6010D
Iron	24400	32	32	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	7070	64	25	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	7590	32	32	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	190	3.2	3.2	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	488	6	2.8	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	37.6	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	11.8	0.6	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.2	3.2	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	32.4	0.32	0.32	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	32.8	0.32	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	67.6	0.6	0.32	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	95			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.38	0.38	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.55	1.00	1.00	pH Units	1	03/09/22 00:23	ARC	SW846 9045D 1
Redox Potential	134			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.44	0.219	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	51	51	mg/kg	1	03/10/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	66			%	1	03/10/22	JRB	40 - 140 %	
% Terphenyl (surr)	110			%	1	03/10/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	86	86	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	86	86	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	170	170	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1700	1700	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	86	86	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	86	86	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	170	170	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	170	170	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	105			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	58			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1221	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1232	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1242	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1248	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1254	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1260	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1262	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1268	ND	70	70	ug/Kg	2	03/09/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	73			%	2	03/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	71			%	2	03/09/22	SC	30 - 150 %	
% TCMX	66			%	2	03/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	65			%	2	03/09/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	51			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	48			%	2	03/09/22	AW	30 - 150 %
% TCMX	50			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	52			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	44	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	27	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	55	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	27	2.7	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	11	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	33	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	11	11	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	110	22	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	5.5	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	55	55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	97	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	240	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	700	240	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	150	J 240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	130	J 140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	140	J 240	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	330	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	280	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	230	J 240	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	76			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	58			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	38			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	39			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	44			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	61			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	240	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:15
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81158

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE W

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	15100	38	7.5	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.75	0.75	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	139	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.61	0.30	0.15	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	5490	3.8	3.5	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.64	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	20.3	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	36.8	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	58.6	0.8	0.38	mg/kg	1	03/10/22	EK	SW6010D
Iron	29300	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	8760	75	29	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	9220	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	225	3.8	3.8	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	550	8	3.2	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	46.2	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	14.7	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Nickel	ND	0.010	0.001	mg/L	1	03/15/22	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/15/22	AB/AB	SW3010A
Trivalent Chromium	36.8	0.38	0.38	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	38.2	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	74.6	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	91			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	03/09/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.25	1.00	1.00	pH Units	1	03/09/22 00:23	ARC	SW846 9045D	1
Redox Potential	143			mV	1	03/09/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.50	0.250	mg/Kg	1	03/10/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	54	54	mg/kg	1	03/10/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	73			%	1	03/10/22	JRB	40 - 140 %	
% Terphenyl (surr)	112			%	1	03/10/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
SPLP Extraction for Metals	Completed					03/14/22	AB	SW1312	
Final pH of SPLP Extraction	10.05			pH units	1	03/14/22		SW1312	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	91	91	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	91	91	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	91	91	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	91	91	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	111			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	57			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1221	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1232	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1242	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1248	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1254	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1260	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1262	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1268	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	74			%	2	03/10/22	SC	30 - 150 %	
% DCBP (Confirmation)	72			%	2	03/10/22	SC	30 - 150 %	
% TCMX	72			%	2	03/10/22	SC	30 - 150 %	
% TCMX (Confirmation)	70			%	2	03/10/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	51			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	52			%	2	03/09/22	AW	30 - 150 %
% TCMX	53			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	56			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	106			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	39	ug/kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	24	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	5.8 JS	49	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	9.8	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	9.8	9.8	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	98	20	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	106			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	49	49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	170	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	150	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	150	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	150	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	130	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	140	J 150	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	78			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	65			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	54			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	63			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	59			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	360	360	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	360	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	360	150	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

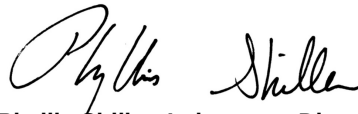
Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:20
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81159

Project ID: IRR BLUESTONE
Client ID: IRR BLUESTONE NE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	14200	35	7.0	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.70	0.70	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	133	0.7	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.59	0.28	0.14	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	5450	3.5	3.2	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.66	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	17.2	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	33.4	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	50.4	0.7	0.35	mg/kg	1	03/10/22	EK	SW6010D
Iron	27900	35	35	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	8450	70	27	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	8410	35	35	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	229	3.5	3.5	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	447	7	3.0	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	41.3	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	12.7	0.7	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	33.4	0.35	0.35	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	36.3	0.35	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	87.0	0.7	0.35	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	94			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.40	0.40	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.68	1.00	1.00	pH Units	1	03/09/22 00:23	ARC	SW846 9045D 1
Redox Potential	135			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.44	0.222	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	52	52	mg/kg	1	03/10/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	75			%	1	03/10/22	JRB	40 - 140 %	
% Terphenyl (surr)	110			%	1	03/10/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	104			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	58			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1221	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1232	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1242	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1248	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1254	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1260	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1262	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1268	ND	69	69	ug/Kg	2	03/09/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	72			%	2	03/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	70			%	2	03/09/22	SC	30 - 150 %	
% TCMX	64			%	2	03/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	63			%	2	03/09/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.4	3.4	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.4	3.4	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	34	34	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	2.0	2.0	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	51			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	49			%	2	03/09/22	AW	30 - 150 %
% TCMX	51			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	51			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	40	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.5	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	25	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	49	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	25	2.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	9.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	30	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	9.9	9.9	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	99	20	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.99	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	49	49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	96	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	240	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	690	240	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	190	J 240	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	200	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	150	J 240	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	75			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	73			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	66			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	69			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	67			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	240	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:25
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81160

Project ID: IRR BLUESTONE
Client ID: IRR BLUESTONE NW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	10100	33	6.6	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.66	0.66	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	91.9	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.42	0.26	0.13	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	4080	3.3	3.0	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.44	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	14.4	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	22.9	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	40.7	0.7	0.33	mg/kg	1	03/10/22	EK	SW6010D
Iron	20800	33	33	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	6060	66	26	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	6190	33	33	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	156	3.3	3.3	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	294	7	2.8	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	31.8	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	9.1	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	22.9	0.33	0.33	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	23.4	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	52.1	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	93			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.42	0.42	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.70	1.00	1.00	pH Units	1	03/09/22 00:23	ARC	SW846 9045D 1
Redox Potential	135			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.38	0.192	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	52	52	mg/kg	1	03/11/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	55			%	1	03/11/22	JRB	40 - 140 %	
% Terphenyl (surr)	87			%	1	03/11/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	99			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	54			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1221	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1232	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1242	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1248	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1254	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1260	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1262	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1268	ND	71	71	ug/Kg	2	03/10/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	68			%	2	03/10/22	SC	30 - 150 %	
% DCBP (Confirmation)	66			%	2	03/10/22	SC	30 - 150 %	
% TCMX	59			%	2	03/10/22	SC	30 - 150 %	
% TCMX (Confirmation)	58			%	2	03/10/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	45			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	41			%	2	03/09/22	AW	30 - 150 %
% TCMX	45			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	43			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	38	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	24	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	48	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	9.6	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	4.8	1.9	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.6	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	9.6	9.6	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	4.8	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	96	19	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	4.8	4.8	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.8	0.96	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	4.8	0.48	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	97			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	93			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	48	48	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	98	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	70			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	53			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	57			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	55			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:30
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81161

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE SE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	13700	38	7.7	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.77	0.77	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	128	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.53	0.31	0.15	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	6060	3.8	3.5	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.65	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	17.6	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	32.8	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	41.3	0.8	0.38	mg/kg	1	03/10/22	TH	SW6010D
Iron	27600	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	8160	77	30	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	8760	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	212	3.8	3.8	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	478	8	3.3	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	43.4	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	13.3	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	32.8	0.38	0.38	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	36.6	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	72.3	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	93			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.37	0.37	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.28	1.00	1.00	pH Units	1	03/09/22 00:24	ARC	SW846 9045D 1
Redox Potential	91.6			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.54	0.269	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/11/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	62			%	1	03/11/22	JRB	40 - 140 %	
% Terphenyl (surr)	95			%	1	03/11/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	88	88	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	93			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	53			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1221	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1232	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1242	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1248	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1254	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1260	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1262	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1268	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	73			%	2	03/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	71			%	2	03/09/22	SC	30 - 150 %	
% TCMX	65			%	2	03/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	64			%	2	03/09/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	47			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	46			%	2	03/09/22	AW	30 - 150 %
% TCMX	47			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	50			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	39	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.4	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	24	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	24	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	5.4 JS	49	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	24	2.4	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	9.8	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	4.9	2.0	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	29	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.8	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	9.8	9.8	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	98	20	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	4.9	4.9	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.9	0.98	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	4.9	0.49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	100			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	49	49	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	240	97	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	240	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	700	240	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	240	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	170	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	220	J 240	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	230	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	180	J 240	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	69			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	39			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	49			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	50			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	62			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	240	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:35
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81162

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE SW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	13400	33	6.6	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.66	0.66	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	122	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.55	0.27	0.13	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	4050	3.3	3.0	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.65	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	18.7	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	32.2	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	47.4	0.7	0.33	mg/kg	1	03/10/22	TH	SW6010D
Iron	27400	33	33	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	8070	66	26	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	9970	33	33	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	231	3.3	3.3	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	410	7	2.8	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	54.5	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	11.4	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Nickel	ND	0.010	0.001	mg/L	1	03/15/22	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
SPLP Metals Digestion	Completed					03/15/22	AB/AB	SW3010A
Trivalent Chromium	32.2	0.33	0.33	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	35.0	0.33	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	68.1	0.7	0.33	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	92			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.39	0.39	mg/Kg	1	03/09/22	BJA	SW7196A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
pH at 25C - Soil	8.70	1.00	1.00	pH Units	1	03/09/22 00:24	ARC	SW846 9045D	1
Redox Potential	178			mV	1	03/09/22	ARC	SM2580B-09	1
Total Cyanide (SW9010C Distill.)	ND	0.54	0.272	mg/Kg	1	03/10/22	MM/DK	SW9012B	

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/11/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	64			%	1	03/11/22	JRB	40 - 140 %	
% Terphenyl (surr)	95			%	1	03/11/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
SPLP Extraction for Metals	Completed					03/14/22	AB	SW1312	
Final pH of SPLP Extraction	11.48			pH units	1	03/14/22		SW1312	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	90	90	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	86			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	50			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1221	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1232	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1242	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1248	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1254	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1260	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1262	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1268	ND	72	72	ug/Kg	2	03/10/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	70			%	2	03/10/22	SC	30 - 150 %	
% DCBP (Confirmation)	69			%	2	03/10/22	SC	30 - 150 %	
% TCMX	63			%	2	03/10/22	SC	30 - 150 %	
% TCMX (Confirmation)	59			%	2	03/10/22	SC	30 - 150 %	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	03/09/22	AW	SW8081B
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	51			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	51			%	2	03/09/22	AW	30 - 150 %
% TCMX	51			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	53			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	41	ug/kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.6	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	26	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	51	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	26	2.6	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	10	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	5.0	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	5.1	2.0	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	10	10	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	100	20	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toluene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	5.1	5.1	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.51	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	95			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	101			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	51	51	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	98	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	710	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benz(a)anthracene	140	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	140	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	290	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	390	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	250	250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	83			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	80			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	66			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	72			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	77			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:40
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81163

Project ID: IRRCL BLUESTONE
Client ID: IRRCL BLUESTONE CN

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	11600	38	7.6	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.76	0.76	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	102	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.51	0.30	0.15	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	3920	3.8	3.5	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.51	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	13.0	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	34.0	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	28.0	0.8	0.38	mg/kg	1	03/10/22	TH	SW6010D
Iron	21300	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	6760	76	30	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	7110	38	38	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	166	3.8	3.8	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	377	8	3.3	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	36.8	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	11.0	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	34.0	0.38	0.38	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	27.5	0.38	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	55.8	0.8	0.38	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	93			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.36	0.36	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.64	1.00	1.00	pH Units	1	03/09/22 00:24	ARC	SW846 9045D 1
Redox Potential	182			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.54	0.269	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	52	52	mg/kg	1	03/11/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	59			%	1	03/11/22	JRB	40 - 140 %	
% Terphenyl (surr)	91			%	1	03/11/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
NJ EPH Extraction	Completed					03/09/22	I/E	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	R/A	SW3546	
Soil Extraction for Herbicide	Completed					03/08/22	M/D	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-D	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
2,4-DB	ND	1800	1800	ug/Kg	10	03/09/22	JRB	SW8151A	
Dalapon	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
Dicamba	ND	89	89	ug/Kg	10	03/09/22	JRB	SW8151A	
Dichloroprop	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	
Dinoseb	ND	180	180	ug/Kg	10	03/09/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	92			%	10	03/09/22	JRB	30 - 150 %	
% DCAA (Confirmation)	53			%	10	03/09/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1221	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1232	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1242	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1248	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1254	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1260	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1262	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	
PCB-1268	ND	71	71	ug/Kg	2	03/09/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	68			%	2	03/09/22	SC	30 - 150 %	
% DCBP (Confirmation)	66			%	2	03/09/22	SC	30 - 150 %	
% TCMX	61			%	2	03/09/22	SC	30 - 150 %	
% TCMX (Confirmation)	60			%	2	03/09/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	48			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	48			%	2	03/09/22	AW	30 - 150 %
% TCMX	49			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	52			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	36	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.1	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	23	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	23	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	8.3 JS	45	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	23	2.3	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	9.0	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	4.5	1.8	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	27	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	9.0	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	9.0	9.0	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	4.5	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	90	18	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	4.5	4.5	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	4.5	0.90	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	4.5	0.45	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	96			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	98			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	92			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	45	45	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	97	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	160	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	160	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	90	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	90	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	150	J 250	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	98	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	160	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	130	J 250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	79			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	64			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	38			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	43			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	47			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	71			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

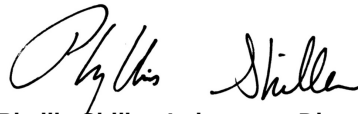
Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 17, 2022

FOR: Attn: Mr. Jeff Bogioian
Impact Materials
170 Keyland Court
Bohemia NY 11716

Sample Information

Matrix: SOIL
Location Code: IMPACTJB-IM
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: JB
Received by: SW
Analyzed by: see "By" below

Date

03/08/22
03/08/22

Time

8:45
14:03

Laboratory Data

SDG ID: GCK81155
Phoenix ID: CK81164

Project ID: IRR BLUESTONE
Client ID: IRR BLUESTONE CS

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Aluminum	11600	34	6.9	mg/Kg	10	03/09/22	CPP	SW6010D
Arsenic	ND	0.69	0.69	mg/Kg	1	03/09/22	CPP	SW6010D
Barium	118	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Beryllium	0.46	0.28	0.14	mg/Kg	1	03/09/22	CPP	SW6010D
Calcium	3730	3.4	3.2	mg/Kg	1	03/09/22	CPP	SW6010D
Cadmium	0.56	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Cobalt	16.1	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Chromium	26.5	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Copper	43.3	0.7	0.34	mg/kg	1	03/10/22	TH	SW6010D
Iron	22700	34	34	mg/Kg	10	03/09/22	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	03/10/22	MGH	SW7471B
Potassium	6930	69	27	mg/Kg	10	03/09/22	CPP	SW6010D
Magnesium	7100	34	34	mg/Kg	10	03/09/22	CPP	SW6010D
Manganese	166	3.4	3.4	mg/Kg	10	03/09/22	EK	SW6010D
Sodium	360	7	3.0	mg/Kg	1	03/09/22	EK	SW6010D
Nickel	36.5	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Lead	10.0	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	03/09/22	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	03/09/22	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	03/09/22	CPP	SW6010D
Trivalent Chromium	26.5	0.34	0.34	mg/kg	1	03/09/22		CALC 6010-7196
Vanadium	29.1	0.34	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Zinc	67.5	0.7	0.34	mg/Kg	1	03/09/22	CPP	SW6010D
Percent Solid	93			%		03/08/22	H	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	ND	0.41	0.41	mg/Kg	1	03/09/22	BJA	SW7196A
pH at 25C - Soil	8.65	1.00	1.00	pH Units	1	03/09/22 00:24	ARC	SW846 9045D 1
Redox Potential	184			mV	1	03/09/22	ARC	SM2580B-09 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Cyanide (SW9010C Distill.)	ND	0.54	0.269	mg/Kg	1	03/10/22	MM/DK	SW9012B

NJ EPH Category 2

Total EPH (C9-C40)	ND	53	53	mg/kg	1	03/11/22	JRB	NJEPH 10-08 R3	1
<u>QA/QC Surrogates</u>									
% COD (surr)	61			%	1	03/11/22	JRB	40 - 140 %	
% Terphenyl (surr)	83			%	1	03/11/22	JRB	40 - 140 %	
Soil Extraction for PCB	Completed					03/08/22	O/E	SW3545A	
Soil Extraction for Pesticide	Completed					03/08/22	O/E	SW3545A	
Mercury Digestion	Completed					03/09/22	AB/AB	SW7471B	
Soil Extraction for Herbicide	Completed					03/09/22	B/D	SW3546	
NJ EPH Extraction	Completed					03/10/22	I/Y	NJDEP 10-08 R3	
Soil Extraction for SVOA	Completed					03/08/22	B/R/A	SW3546	
Total Metals Digest	Completed					03/08/22	M/AG	SW3050B	

Chlorinated Herbicides

2,4,5-T	ND	130	130	ug/Kg	10	03/10/22	JRB	SW8151A	
2,4,5-TP (Silvex)	ND	130	130	ug/Kg	10	03/10/22	JRB	SW8151A	
2,4-D	ND	270	270	ug/Kg	10	03/10/22	JRB	SW8151A	
2,4-DB	ND	2700	2700	ug/Kg	10	03/10/22	JRB	SW8151A	
Dalapon	ND	130	130	ug/Kg	10	03/10/22	JRB	SW8151A	
Dicamba	ND	130	130	ug/Kg	10	03/10/22	JRB	SW8151A	
Dichloroprop	ND	270	270	ug/Kg	10	03/10/22	JRB	SW8151A	
Dinoseb	ND	270	270	ug/Kg	10	03/10/22	JRB	SW8151A	

QA/QC Surrogates

% DCAA	111			%	10	03/10/22	JRB	30 - 150 %	
% DCAA (Confirmation)	57			%	10	03/10/22	JRB	30 - 150 %	

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1221	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1232	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1242	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1248	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1254	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1260	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1262	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	
PCB-1268	ND	70	70	ug/Kg	2	03/10/22	SC	SW8082A	

QA/QC Surrogates

% DCBP	66			%	2	03/10/22	SC	30 - 150 %	
% DCBP (Confirmation)	64			%	2	03/10/22	SC	30 - 150 %	
% TCMX	57			%	2	03/10/22	SC	30 - 150 %	
% TCMX (Confirmation)	56			%	2	03/10/22	SC	30 - 150 %	

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	03/09/22	AW	SW8081B	
a-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
a-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Alachlor	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
b-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Chlordane	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Dieldrin	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	03/09/22	AW	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	03/09/22	AW	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	03/09/22	AW	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	03/09/22	AW	SW8081B
<u>QA/QC Surrogates</u>								
% DCBP	43			%	2	03/09/22	AW	30 - 150 %
% DCBP (Confirmation)	44			%	2	03/09/22	AW	30 - 150 %
% TCMX	43			%	2	03/09/22	AW	30 - 150 %
% TCMX (Confirmation)	47			%	2	03/09/22	AW	30 - 150 %
<u>Volatiles</u>								
1,2,4-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Naphthalene	1.5	J 5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
n-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
n-Propylbenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
p-Isopropyltoluene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
sec-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
tert-Butylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/10/22	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	67	44	ug/kg	1	03/10/22	JLI	SW8260C
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dibromoethane	ND	4.9	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
2-Hexanone	ND	27	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acetone	ND	55	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Acrolein	ND	27	2.7	ug/Kg	1	03/10/22	JLI	SW8260C
Acrylonitrile	ND	11	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Benzene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Bromochloromethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromoform	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Bromomethane	ND	5.5	2.2	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon Disulfide	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Carbon tetrachloride	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Chlorobenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloroform	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Chloromethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Cyclohexane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Ethylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Isopropylbenzene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
m&p-Xylene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl ethyl ketone	ND	33	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylacetate	ND	11	11	ug/Kg	1	03/10/22	JLI	SW8260C
Methylcyclohexane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Methylene chloride	ND	5.5	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
o-Xylene	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Styrene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
tert-butyl alcohol	ND	110	22	ug/Kg	1	03/10/22	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.1	ug/Kg	1	03/10/22	JLI	SW8260C
Toluene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Total Xylenes	ND	5.5	5.5	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Trichloroethene	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	1.1	ug/Kg	1	03/10/22	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.5	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
Vinyl chloride	ND	5.0	0.55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	03/10/22	JLI	70 - 130 %
% Bromofluorobenzene	92			%	1	03/10/22	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	03/10/22	JLI	70 - 130 %
% Toluene-d8	97			%	1	03/10/22	JLI	70 - 130 %
Vinyl Acetate	ND	55	55	ug/Kg	1	03/10/22	JLI	SW8260C
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	250	99	ug/Kg	1	03/09/22	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	03/09/22	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitroaniline	ND	300	250	ug/Kg	1	03/09/22	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	03/09/22	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
3-Nitroaniline	ND	710	250	ug/Kg	1	03/09/22	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Chloroaniline	ND	230	170	ug/Kg	1	03/09/22	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	03/09/22	WB	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Acenaphthylene	ND	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Anthracene	260	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Atrazine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Benz(a)anthracene	540	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Benzidine	ND	250	140	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(a)pyrene	490	140	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(b)fluoranthene	400	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzo(ghi)perylene	310	250	110	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	390	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl Alcohol	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	1	03/09/22	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	03/09/22	WB	SW8270D
Carbazole	ND	180	140	ug/Kg	1	03/09/22	WB	SW8270D
Chrysene	530	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	03/09/22	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	03/09/22	WB	SW8270D
Fluoranthene	910	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorobutadiene	ND	170	130	ug/Kg	1	03/09/22	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
Indeno(1,2,3-cd)pyrene	320	250	120	ug/Kg	1	03/09/22	WB	SW8270D
Isophorone	ND	140	99	ug/Kg	1	03/09/22	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	03/09/22	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	03/09/22	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	03/09/22	WB	SW8270D
Phenanthrene	990	140	100	ug/Kg	1	03/09/22	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	03/09/22	WB	SW8270D
Pyrene	860	250	120	ug/Kg	1	03/09/22	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	91			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorobiphenyl	73			%	1	03/09/22	WB	30 - 130 %
% 2-Fluorophenol	65			%	1	03/09/22	WB	30 - 130 %
% Nitrobenzene-d5	61			%	1	03/09/22	WB	30 - 130 %
% Phenol-d5	67			%	1	03/09/22	WB	30 - 130 %
% Terphenyl-d14	65			%	1	03/09/22	WB	30 - 130 %
Aniline	ND	350	350	ug/Kg	1	03/09/22	WB	SW8270D
Benzoic Acid	ND	350	250	ug/Kg	1	03/09/22	WB	SW8270D
Parathion	ND	350	140	ug/Kg	1	03/09/22	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
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1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:

This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 17, 2022

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

March 17, 2022

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCS %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 614929 (mg/kg), QC Sample No: CK81155 40X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.41	<0.42	NC	98.8						90 - 110	30
Chromium, Hexavalent (Ins)						98.2			92.7			90 - 110	30
Chromium, Hexavalent (Sol)						95.2			11.9			90 - 110	30 m

Comment:

The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.

QA/QC Batch 614921 (mg/kg), QC Sample No: CK81155 2X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)

Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	99.7	102	2.3	75.8	76.8	1.3	70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

QA/QC Batch 614828 (mg/kg), QC Sample No: CK81155 (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)

ICP Metals - Soil

Aluminum	BRL	5.0	15200	14800	2.70	88.1	84.4	4.3	NC			75 - 125	30
Antimony	BRL	3.3	<3.8	<3.5	NC	91.3	89.7	1.8	93.7			75 - 125	30
Arsenic	BRL	0.67	<0.77	<0.70	NC	101	94.3	6.9	102			75 - 125	30
Barium	BRL	0.33	134	123	8.60	105	99.4	5.5	88.2			75 - 125	30
Beryllium	BRL	0.27	0.60	0.55	NC	101	94.3	6.9	104			75 - 125	30
Cadmium	BRL	0.33	0.68	0.71	NC	98.3	90.8	7.9	104			75 - 125	30
Calcium	BRL	5.0	5160	5620	8.50	94.1	85.8	9.2	NC			75 - 125	30
Chromium	BRL	0.33	35.8	33.4	6.90	104	95.5	8.5	101			75 - 125	30
Cobalt	BRL	0.33	19.8	18.7	5.70	99.6	90.4	9.7	97.9			75 - 125	30
Copper	BRL	0.67	56.1	48.1	15.4	107	101	5.8	89.3			75 - 125	30
Iron	BRL	5.0	29800	28200	5.50	101	92.3	9.0	NC			75 - 125	30
Lead	BRL	0.33	14.8	12.6	16.1	106	97.7	8.1	101			75 - 125	30
Magnesium	BRL	5.0	9510	9730	2.30	102	97.4	4.6	NC			75 - 125	30
Manganese	BRL	0.33	249	234	6.20	103	97.8	5.2	60.0			75 - 125	30 m
Nickel	BRL	0.33	50.2	50.2	0	99.4	91.3	8.5	93.2			75 - 125	30
Potassium	BRL	5.0	8900	7920	11.7	96.7	93.8	3.0	NC			75 - 125	30
Selenium	BRL	1.3	<1.5	<1.4	NC	95.7	88.9	7.4	99.8			75 - 125	30
Silver	BRL	0.33	<0.38	<0.35	NC	101	94.5	6.6	101			75 - 125	30
Sodium	BRL	5.0	536	626	15.5	81.5	77.0	5.7	NC			75 - 125	30
Thallium	BRL	3.0	<1.5	<3.1	NC	100	95.9	4.2	100			75 - 125	30
Vanadium	BRL	0.33	37.0	35.3	4.70	101	92.9	8.4	98.1			75 - 125	30
Zinc	BRL	0.67	72.5	70.4	2.90	102	95.3	6.8	94.9			75 - 125	30

QA/QC Batch 615686 (mg/L), QC Sample No: CK86287 (CK81155, CK81158, CK81162)

ICP Metals - SPL Extraction

Nickel	BRL	0.010	<0.010	<0.010	NC	108	110	1.8	109			75 - 125	20
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QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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m = This parameter is outside laboratory MS/MSD specified recovery limits.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

March 17, 2022

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 615014 (mg/Kg), QC Sample No: CK79751 50X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)													
Total Cyanide (SW9010C Distill.)	BRL	0.50	<0.62	<0.56	NC	95.5			106			80 - 120	30
QA/QC Batch 614917 (PH), QC Sample No: CK80954 (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)													
pH at 25C - Soil			7.69	7.66	0.40							85 - 115	20



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QA/QC Report

March 17, 2022

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 614982 (mg/kg), QC Sample No: CK81155 (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163)										
<u>Extractable Petroleum Hydrocarbons - Soil</u>										
Total EPH (C9-C40)	ND	10	104	102	1.9	92	103	11.3	40 - 140	25
C9 - Nonane	ND	3.3	76	69	9.7	58	73	22.9	40 - 140	25
C10 - Decane	ND	3.3	96	89	7.6	80	94	16.1	40 - 140	25
C12 - Dodecane	ND	3.3	116	104	10.9	102	112	9.3	40 - 140	25
C14 - Tetradecane	ND	3.3	121	118	2.5	113	125	10.1	40 - 140	25
C16 - Hexadecane	ND	3.3	124	118	5.0	118	127	7.3	40 - 140	25
C18 - Octadecane	ND	3.3	130	138	6.0	114	125	9.2	40 - 140	25
C20 - Eicosane	ND	3.3	93	85	9.0	76	84	10.0	40 - 140	25
C21 - Heneicosane	ND	3.3	93	97	4.2	74	88	17.3	40 - 140	25
C22 - Docosane	ND	3.3	118	113	4.3	94	105	11.1	40 - 140	25
C24 - Tetracosane	ND	3.3	103	103	0.0	86	97	12.0	40 - 140	25
C26 - Hexacosane	ND	3.3	108	109	0.9	95	106	10.9	40 - 140	25
C28 - Octacosane	ND	3.3	108	107	0.9	99	107	7.8	40 - 140	25
C30 - Tricotane	ND	3.3	106	106	0.0	96	105	9.0	40 - 140	25
C32 - Dotriacontane	ND	3.3	104	103	1.0	96	105	9.0	40 - 140	25
C34 - Tetratriacontane	ND	3.3	101	102	1.0	98	106	7.8	40 - 140	25
C36 - Hexatriacontane	ND	3.3	93	96	3.2	92	101	9.3	40 - 140	25
C38 - Octatriacontane	ND	3.3	86	89	3.4	85	92	7.9	40 - 140	25
C40 - Tetracontane	ND	3.3	89	91	2.2	89	95	6.5	40 - 140	25
% COD (surr)	90	%	81	79	2.5	65	70	7.4	40 - 140	25
% Terphenyl (surr)	109	%	108	101	6.7	79	88	10.8	40 - 140	25

Comment:

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

Additional: MS acceptance range 50-150%.

QA/QC Batch 615189 (mg/kg), QC Sample No: CK81164 (CK81164)

Extractable Petroleum Hydrocarbons - Soil

Total EPH (C9-C40)	ND	10	103	109	5.7	102	102	0.0	40 - 140	25
C9 - Nonane	ND	3.3	93	100	7.3	97	95	2.1	40 - 140	25
C10 - Decane	ND	3.3	119	121	1.7	118	119	0.8	40 - 140	25
C12 - Dodecane	ND	3.3	131	128	2.3	128	135	5.3	40 - 140	25
C14 - Tetradecane	ND	3.3	138	134	2.9	133	140	5.1	40 - 140	25
C16 - Hexadecane	ND	3.3	140	137	2.2	137	142	3.6	40 - 140	25
C18 - Octadecane	ND	3.3	124	142	13.5	109	116	6.2	40 - 140	25
C20 - Eicosane	ND	3.3	89	91	2.2	74	73	1.4	40 - 140	25
C21 - Heneicosane	ND	3.3	88	91	3.4	71	69	2.9	40 - 140	25
C22 - Docosane	ND	3.3	112	115	2.6	92	94	2.2	40 - 140	25
C24 - Tetracosane	ND	3.3	98	101	3.0	90	82	9.3	40 - 140	25
C26 - Hexacosane	ND	3.3	109	107	1.9	98	91	7.4	40 - 140	25
C28 - Octacosane	ND	3.3	108	110	1.8	99	98	1.0	40 - 140	25
C30 - Tricotane	ND	3.3	105	109	3.7	99	98	1.0	40 - 140	25

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
C32 - Dotriacontane	ND	3.3	98	105	6.9	101	100	1.0	40 - 140	25
C34 - Tetratriacontane	ND	3.3	89	100	11.6	103	103	0.0	40 - 140	25
C36 - Hexatriacontane	ND	3.3	78	92	16.5	97	97	0.0	40 - 140	25
C38 - Octatriacontane	ND	3.3	67	84	22.5	90	89	1.1	40 - 140	25
C40 - Tetracontane	ND	3.3	67	89	28.2	94	93	1.1	40 - 140	25
% COD (surr)	83	%	73	78	6.6	64	60	6.5	40 - 140	25
% Terphenyl (surr)	111	%	122	120	1.7	124	79	44.3	40 - 140	25

Comment:

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

Additional: MS acceptance range 50-150%.

QA/QC Batch 614870 (ug/Kg), QC Sample No: CK81488 10X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163)

Chlorinated Herbicides - Soil

2,4,5-T	ND	83	75	78	3.9	67	61	9.4	40 - 140	30
2,4,5-TP (Silvex)	ND	83	81	83	2.4	66	59	11.2	40 - 140	30
2,4-D	ND	170	92	88	4.4	74	64	14.5	40 - 140	30
2,4-DB	ND	1700	68	70	2.9	67	58	14.4	40 - 140	30
Dalapon	ND	83	64	66	3.1	50	45	10.5	40 - 140	30
Dicamba	ND	83	81	81	0.0	76	67	12.6	40 - 140	30
Dichloroprop	ND	83	89	94	5.5	76	71	6.8	40 - 140	30
Dinoseb	ND	83	71	73	2.8	36	32	11.8	40 - 140	30
% DCAA (Surrogate Rec)	97	%	100	102	2.0	53	49	7.8	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	51	%	56	51	9.3	91	84	8.0	30 - 150	30

QA/QC Batch 614963 (ug/Kg), QC Sample No: CK83152 10X (CK81164)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	73	78	6.6	80	78	2.5	40 - 140	30
2,4,5-TP (Silvex)	ND	130	78	81	3.8	86	84	2.4	40 - 140	30
2,4-D	ND	250	89	91	2.2	82	96	15.7	40 - 140	30
2,4-DB	ND	2500	62	67	7.8	68	73	7.1	40 - 140	30
Dalapon	ND	130	58	61	5.0	59	60	1.7	40 - 140	30
Dicamba	ND	130	84	86	2.4	94	91	3.2	40 - 140	30
Dichloroprop	ND	130	90	93	3.3	93	90	3.3	40 - 140	30
Dinoseb	ND	130	69	74	7.0	71	71	0.0	40 - 140	30
% DCAA (Surrogate Rec)	93	%	112	111	0.9	115	114	0.9	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	47	%	55	50	9.5	55	61	10.3	30 - 150	30

QA/QC Batch 614852 (ug/Kg), QC Sample No: CK81155 2X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	81	84	3.6	76	73	4.0	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	95	89	6.5	80	77	3.8	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	101	%	108	94	13.9	83	82	1.2	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	95	%	103	91	12.4	82	78	5.0	30 - 150	30
% TCMX (Surrogate Rec)	80	%	87	88	1.1	78	75	3.9	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	79	%	89	86	3.4	76	74	2.7	30 - 150	30

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 614853 (ug/Kg), QC Sample No: CK81155 2X (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164)

Pesticides - Soil

4,4' -DDD	ND	1.7	82	85	3.6	64	70	9.0	40 - 140	30
4,4' -DDE	ND	1.7	71	75	5.5	57	70	20.5	40 - 140	30
4,4' -DDT	ND	1.7	80	82	2.5	65	70	7.4	40 - 140	30
a-BHC	ND	1.0	77	78	1.3	57	63	10.0	40 - 140	30
a-Chlordane	ND	3.3	76	76	0.0	67	75	11.3	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	76	77	1.3	55	61	10.3	40 - 140	30
b-BHC	ND	1.0	66	72	8.7	58	64	9.8	40 - 140	30
Chlordane	ND	33	77	80	3.8	65	74	12.9	40 - 140	30
d-BHC	ND	3.3	67	69	2.9	47	50	6.2	40 - 140	30
Dieldrin	ND	1.0	76	77	1.3	59	65	9.7	40 - 140	30
Endosulfan I	ND	3.3	82	75	8.9	63	63	0.0	40 - 140	30
Endosulfan II	ND	3.3	76	77	1.3	62	66	6.3	40 - 140	30
Endosulfan sulfate	ND	3.3	77	78	1.3	58	62	6.7	40 - 140	30
Endrin	ND	3.3	83	83	0.0	63	69	9.1	40 - 140	30
Endrin aldehyde	ND	3.3	68	69	1.5	53	66	21.8	40 - 140	30
Endrin ketone	ND	3.3	75	77	2.6	58	62	6.7	40 - 140	30
g-BHC	ND	1.0	75	77	2.6	58	65	11.4	40 - 140	30
g-Chlordane	ND	3.3	77	80	3.8	65	74	12.9	40 - 140	30
Heptachlor	ND	3.3	79	80	1.3	58	64	9.8	40 - 140	30
Heptachlor epoxide	ND	3.3	72	74	2.7	56	66	16.4	40 - 140	30
Methoxychlor	ND	3.3	84	86	2.4	65	70	7.4	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	67	%	62	66	6.3	51	54	5.7	30 - 150	30
% DCBP (Confirmation)	67	%	62	67	7.8	51	57	11.1	30 - 150	30
% TCMX	66	%	64	67	4.6	49	54	9.7	30 - 150	30
% TCMX (Confirmation)	64	%	66	70	5.9	50	57	13.1	30 - 150	30

QA/QC Batch 614854 (ug/kg), QC Sample No: CK81164 (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81164)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	73	79	7.9	74			30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	230	63	65	3.1	64			30 - 130	30
1,2-Diphenylhydrazine	ND	230	83	85	2.4	76			30 - 130	30
2,2'-Oxybis(1-Chloropropane)	ND	230	47	54	13.9	51			30 - 130	30
2,3,4,6-tetrachlorophenol	ND	230	87	84	3.5	75			30 - 130	30
2,4,5-Trichlorophenol	ND	230	100	92	8.3	83			30 - 130	30
2,4,6-Trichlorophenol	ND	130	89	94	5.5	84			30 - 130	30
2,4-Dichlorophenol	ND	130	84	90	6.9	80			30 - 130	30
2,4-Dimethylphenol	ND	230	78	82	5.0	79			30 - 130	30
2,4-Dinitrophenol	ND	230	<10	<10	NC	41			20 - 160	30
2,4-Dinitrotoluene	ND	130	103	102	1.0	83			30 - 130	30
2,6-Dinitrotoluene	ND	130	94	88	6.6	74			30 - 130	30
2-Chloronaphthalene	ND	230	79	86	8.5	75			30 - 130	30
2-Chlorophenol	ND	230	60	67	11.0	66			30 - 130	30
2-Methylnaphthalene	ND	230	67	74	9.9	71			30 - 130	30
2-Methylphenol (o-cresol)	ND	230	68	73	7.1	76			30 - 130	30
2-Nitroaniline	ND	330	144	151	4.7	129			30 - 130	30
2-Nitrophenol	ND	230	76	75	1.3	71			30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	65	70	7.4	69			20 - 160	30
3,3'-Dichlorobenzidine	ND	130	97	89	8.6	82			30 - 130	30

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
3-Nitroaniline	ND	330	111	112	0.9	100			30 - 130	30
4,6-Dinitro-2-methylphenol	ND	230	23	25	8.3	64			30 - 130	30
4-Bromophenyl phenyl ether	ND	230	97	85	13.2	85			30 - 130	30
4-Chloro-3-methylphenol	ND	230	86	91	5.6	83			30 - 130	30
4-Chloroaniline	ND	230	80	85	6.1	76			30 - 130	30
4-Chlorophenyl phenyl ether	ND	230	83	86	3.6	75			30 - 130	30
4-Nitroaniline	ND	230	92	95	3.2	81			30 - 130	30
4-Nitrophenol	ND	230	83	77	7.5	78			20 - 160	30
Acenaphthene	ND	230	81	83	2.4	76			30 - 130	30
Acenaphthylene	ND	130	69	75	8.3	65			30 - 130	30
Acetophenone	ND	230	64	65	1.6	67			30 - 130	30
Aniline	ND	330	50	58	14.8	54			20 - 160	30
Anthracene	ND	230	97	83	15.6	75			30 - 130	30
Atrazine	ND	130	93	82	12.6	88			30 - 130	30
Benz(a)anthracene	ND	230	99	83	17.6	69			30 - 130	30
Benzaldehyde	ND	230	22	21	4.7	16			20 - 160	30
Benzidine	ND	330	59	56	5.2	37			20 - 160	30
Benzo(a)pyrene	ND	130	91	84	8.0	64			30 - 130	30
Benzo(b)fluoranthene	ND	160	91	87	4.5	69			30 - 130	30
Benzo(ghi)perylene	ND	230	103	95	8.1	80			30 - 130	30
Benzo(k)fluoranthene	ND	230	89	79	11.9	69			30 - 130	30
Benzoic Acid	ND	670	<10	<10	NC	<10			20 - 160	30
Benzyl Alcohol	ND	230	60	58	3.4	65			20 - 160	30
Benzyl butyl phthalate	ND	230	103	90	13.5	87			30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	72	74	2.7	72			30 - 130	30
Bis(2-chloroethyl)ether	ND	130	50	56	11.3	56			30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	104	92	12.2	76			30 - 130	30
Caprolactam	ND	230	92	91	1.1	76			20 - 160	30
Carbazole	ND	230	100	85	16.2	82			30 - 130	30
Chrysene	ND	230	98	88	10.8	71			30 - 130	30
Dibenz(a,h)anthracene	ND	130	108	94	13.9	95			30 - 130	30
Dibenzofuran	ND	230	81	85	4.8	77			30 - 130	30
Diethyl phthalate	ND	230	92	88	4.4	79			30 - 130	30
Dimethylphthalate	ND	230	91	93	2.2	78			30 - 130	30
Di-n-butylphthalate	ND	670	96	85	12.2	77			30 - 130	30
Di-n-octylphthalate	ND	230	108	97	10.7	68			30 - 130	30
Fluoranthene	ND	230	90	78	14.3	47			30 - 130	30
Fluorene	ND	230	85	86	1.2	77			30 - 130	30
Hexachlorobenzene	ND	130	96	81	16.9	87			30 - 130	30
Hexachlorobutadiene	ND	230	52	66	23.7	60			30 - 130	30
Hexachlorocyclopentadiene	ND	230	45	48	6.5	36			20 - 160	30
Hexachloroethane	ND	130	48	58	18.9	58			20 - 160	30
Indeno(1,2,3-cd)pyrene	ND	230	114	102	11.1	85			30 - 130	30
Isophorone	ND	130	65	68	4.5	64			30 - 130	30
Naphthalene	ND	230	60	66	9.5	62			30 - 130	30
Nitrobenzene	ND	130	60	67	11.0	69			30 - 130	30
N-Nitrosodimethylamine	ND	230	32	43	29.3	40			20 - 160	30
N-Nitrosodi-n-propylamine	ND	130	69	74	7.0	76			30 - 130	30
N-Nitrosodiphenylamine	ND	130	96	93	3.2	83			30 - 130	30
Parathion	ND	330	98	84	15.4	77			30 - 130	30
Pentachlorophenol	ND	230	83	68	19.9	72			20 - 160	30
Phenanthrene	ND	130	94	82	13.6	55			30 - 130	30
Phenol	ND	230	67	69	2.9	74			20 - 160	30

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyrene	ND	230	86	78	9.8	46			30 - 130	30
% 2,4,6-Tribromophenol	80	%	96	85	12.2	89			30 - 130	30
% 2-Fluorobiphenyl	69	%	72	79	9.3	69			30 - 130	30
% 2-Fluorophenol	68	%	57	69	19.0	66			30 - 130	30
% Nitrobenzene-d5	58	%	59	63	6.6	63			30 - 130	30
% Phenol-d5	65	%	64	69	7.5	69			30 - 130	30
% Terphenyl-d14	66	%	80	73	9.2	62			30 - 130	30

Comment:

This batch consists of a Blank LCS, LCSD and MS.

The laboratory criteria of 30-130% is different than the NJKDQP general criteria of 70-130%. The NJKDQP criteria for problem compounds is 20-160%.

QA/QC Batch 614874 (ug/kg), QC Sample No: CK81698 (CK81161, CK81162, CK81163)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	69	75	8.3	66	77	15.4	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	230	67	73	8.6	73	85	15.2	30 - 130	30	
1,2-Diphenylhydrazine	ND	230	76	81	6.4	78	90	14.3	30 - 130	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	60	66	9.5	58	69	17.3	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	230	75	86	13.7	80	93	15.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	230	76	84	10.0	79	93	16.3	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	74	85	13.8	80	91	12.9	30 - 130	30	
2,4-Dichlorophenol	ND	130	74	82	10.3	78	92	16.5	30 - 130	30	
2,4-Dimethylphenol	ND	230	76	83	8.8	85	96	12.2	30 - 130	30	
2,4-Dinitrophenol	ND	230	<10	<10	NC	59	22	91.4	20 - 160	30	I,r
2,4-Dinitrotoluene	ND	130	86	91	5.6	86	97	12.0	30 - 130	30	
2,6-Dinitrotoluene	ND	130	80	86	7.2	80	91	12.9	30 - 130	30	
2-Chloronaphthalene	ND	230	72	78	8.0	70	82	15.8	30 - 130	30	
2-Chlorophenol	ND	230	74	82	10.3	77	86	11.0	30 - 130	30	
2-Methylnaphthalene	ND	230	69	74	7.0	73	86	16.4	30 - 130	30	
2-Methylphenol (o-cresol)	ND	230	71	81	13.2	79	88	10.8	30 - 130	30	
2-Nitroaniline	ND	330	132	142	7.3	125	147	16.2	30 - 130	30	I,m
2-Nitrophenol	ND	230	85	88	3.5	79	94	17.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	70	80	13.3	78	84	7.4	20 - 160	30	
3,3'-Dichlorobenzidine	ND	130	69	81	16.0	68	85	22.2	30 - 130	30	
3-Nitroaniline	ND	330	95	103	8.1	90	104	14.4	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	230	25	16	43.9	86	47	58.6	30 - 130	30	I,r
4-Bromophenyl phenyl ether	ND	230	71	80	11.9	73	86	16.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	230	78	85	8.6	89	106	17.4	30 - 130	30	
4-Chloroaniline	ND	230	80	86	7.2	78	92	16.5	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	230	78	84	7.4	78	91	15.4	30 - 130	30	
4-Nitroaniline	ND	230	81	88	8.3	81	90	10.5	30 - 130	30	
4-Nitrophenol	ND	230	81	97	18.0	92	98	6.3	20 - 160	30	
Acenaphthene	ND	230	78	86	9.8	79	92	15.2	30 - 130	30	
Acenaphthylene	ND	130	67	73	8.6	65	76	15.6	30 - 130	30	
Acetophenone	ND	230	64	72	11.8	65	75	14.3	30 - 130	30	
Aniline	ND	330	69	65	6.0	63	77	20.0	20 - 160	30	
Anthracene	ND	230	76	86	12.3	76	89	15.8	30 - 130	30	
Atrazine	ND	130	61	70	13.7	60	69	14.0	30 - 130	30	
Benz(a)anthracene	ND	230	72	82	13.0	74	83	11.5	30 - 130	30	
Benzaldehyde	ND	230	22	25	12.8	26	30	14.3	20 - 160	30	
Benzidine	ND	330	66	80	19.2	57	75	27.3	20 - 160	30	
Benzo(a)pyrene	ND	130	70	80	13.3	71	80	11.9	30 - 130	30	
Benzo(b)fluoranthene	ND	160	73	84	14.0	70	83	17.0	30 - 130	30	

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzo(ghi)perylene	ND	230	77	84	8.7	68	70	2.9	30 - 130	30
Benzo(k)fluoranthene	ND	230	72	81	11.8	70	80	13.3	30 - 130	30
Benzoic Acid	ND	670	18	<10	NC	73	59	21.2	20 - 160	30
Benzyl Alcohol	ND	230	61	68	10.9	65	72	10.2	20 - 160	30
Benzyl butyl phthalate	ND	230	79	92	15.2	75	86	13.7	30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	71	79	10.7	69	77	11.0	30 - 130	30
Bis(2-chloroethyl)ether	ND	130	63	69	9.1	59	70	17.1	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	83	95	13.5	80	94	16.1	30 - 130	30
Caprolactam	ND	230	79	86	8.5	83	96	14.5	20 - 160	30
Carbazole	ND	230	79	90	13.0	78	90	14.3	30 - 130	30
Chrysene	ND	230	79	89	11.9	83	94	12.4	30 - 130	30
Dibenz(a,h)anthracene	ND	130	76	84	10.0	71	76	6.8	30 - 130	30
Dibenzofuran	ND	230	75	81	7.7	76	88	14.6	30 - 130	30
Diethyl phthalate	ND	230	84	91	8.0	81	94	14.9	30 - 130	30
Dimethylphthalate	ND	230	80	87	8.4	76	86	12.3	30 - 130	30
Di-n-butylphthalate	ND	670	82	93	12.6	77	91	16.7	30 - 130	30
Di-n-octylphthalate	ND	230	74	88	17.3	79	94	17.3	30 - 130	30
Fluoranthene	ND	230	77	89	14.5	77	85	9.9	30 - 130	30
Fluorene	ND	230	79	86	8.5	78	92	16.5	30 - 130	30
Hexachlorobenzene	ND	130	74	83	11.5	74	87	16.1	30 - 130	30
Hexachlorobutadiene	ND	230	70	74	5.6	68	76	11.1	30 - 130	30
Hexachlorocyclopentadiene	ND	230	39	42	7.4	29	21	32.0	20 - 160	30
Hexachloroethane	ND	130	65	71	8.8	62	74	17.6	20 - 160	30
Indeno(1,2,3-cd)pyrene	ND	230	79	89	11.9	75	74	1.3	30 - 130	30
Isophorone	ND	130	66	73	10.1	65	76	15.6	30 - 130	30
Naphthalene	ND	230	69	74	7.0	69	81	16.0	30 - 130	30
Nitrobenzene	ND	130	67	74	9.9	70	79	12.1	30 - 130	30
N-Nitrosodimethylamine	ND	230	71	81	13.2	64	75	15.8	20 - 160	30
N-Nitrosodi-n-propylamine	ND	130	68	75	9.8	68	80	16.2	30 - 130	30
N-Nitrosodiphenylamine	ND	130	81	86	6.0	78	94	18.6	30 - 130	30
Parathion	ND	330	83	96	14.5	81	91	11.6	30 - 130	30
Pentachlorophenol	ND	230	65	57	13.1	75	79	5.2	20 - 160	30
Phenanthrene	ND	130	75	86	13.7	76	89	15.8	30 - 130	30
Phenol	ND	230	81	90	10.5	85	86	1.2	20 - 160	30
Pyrene	ND	230	76	87	13.5	77	85	9.9	30 - 130	30
% 2,4,6-Tribromophenol	90	%	73	84	14.0	77	91	16.7	30 - 130	30
% 2-Fluorobiphenyl	90	%	70	78	10.8	67	76	12.6	30 - 130	30
% 2-Fluorophenol	75	%	68	75	9.8	68	76	11.1	30 - 130	30
% Nitrobenzene-d5	77	%	64	72	11.8	67	75	11.3	30 - 130	30
% Phenol-d5	75	%	66	75	12.8	70	79	12.1	30 - 130	30
% Terphenyl-d14	82	%	76	89	15.8	73	84	14.0	30 - 130	30

Comment:

The laboratory criteria of 30-130% is different than the NJKDQP general criteria of 70-130%. The NJKDQP criteria for problem compounds is 20-160%.

QA/QC Batch 615133 (ug/kg), QC Sample No: CK76868 (CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	100	97	3.0	93	91	2.2	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	100	101	1.0	97	98	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	96	98	2.1	93	91	2.2	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	98	97	1.0	93	91	2.2	70 - 130	30
1,1-Dichloroethane	ND	5.0	82	81	1.2	80	81	1.2	70 - 130	30

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	5.0	112	113	0.9	110	112	1.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	105	102	2.9	100	96	4.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	5.0	104	100	3.9	103	98	5.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	99	100	1.0	100	97	3.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	95	99	4.1	92	91	1.1	70 - 130	30	
1,2-Dibromoethane	ND	5.0	98	97	1.0	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	102	102	0.0	100	97	3.0	70 - 130	30	
1,2-Dichloroethane	ND	5.0	98	98	0.0	94	93	1.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	99	99	0.0	95	94	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	100	101	1.0	101	98	3.0	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	99	99	0.0	98	95	3.1	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	103	102	1.0	102	98	4.0	70 - 130	30	
1,4-dioxane	ND	100	102	97	5.0	134	97	32.0	40 - 160	30	r
2-Hexanone	ND	25	89	89	0.0	78	79	1.3	70 - 130	30	
4-Methyl-2-pentanone	ND	25	91	93	2.2	84	83	1.2	70 - 130	30	
Acetone	ND	10	100	106	5.8	138	155	11.6	70 - 130	30	m
Acrolein	ND	25	110	111	0.9	99	102	3.0	70 - 130	30	
Acrylonitrile	ND	5.0	67	71	5.8	64	66	3.1	70 - 130	30	l,m
Benzene	ND	1.0	100	100	0.0	96	94	2.1	70 - 130	30	
Bromochloromethane	ND	5.0	101	101	0.0	95	97	2.1	70 - 130	30	
Bromodichloromethane	ND	5.0	97	96	1.0	93	92	1.1	70 - 130	30	
Bromoform	ND	5.0	93	93	0.0	83	82	1.2	70 - 130	30	
Bromomethane	ND	5.0	109	106	2.8	112	115	2.6	70 - 130	30	
Carbon Disulfide	ND	5.0	113	116	2.6	114	114	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	99	101	2.0	94	95	1.1	70 - 130	30	
Chlorobenzene	ND	5.0	104	101	2.9	100	98	2.0	70 - 130	30	
Chloroethane	ND	5.0	115	117	1.7	121	118	2.5	70 - 130	30	
Chloroform	ND	5.0	98	97	1.0	95	96	1.0	70 - 130	30	
Chloromethane	ND	5.0	98	98	0.0	94	95	1.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	101	102	1.0	98	98	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	101	100	1.0	96	94	2.1	70 - 130	30	
Cyclohexane	ND	5.0	99	100	1.0	95	95	0.0	70 - 130	30	
Dibromochloromethane	ND	3.0	99	98	1.0	92	90	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	100	101	1.0	106	106	0.0	70 - 130	30	
Ethylbenzene	ND	1.0	101	100	1.0	99	96	3.1	70 - 130	30	
Isopropylbenzene	ND	1.0	103	104	1.0	103	99	4.0	70 - 130	30	
m&p-Xylene	ND	2.0	100	98	2.0	98	96	2.1	70 - 130	30	
Methyl ethyl ketone	ND	5.0	87	88	1.1	78	78	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	104	105	1.0	101	102	1.0	70 - 130	30	
Methylacetate	ND	5.0	110	113	2.7	104	103	1.0	70 - 130	30	
Methylcyclohexane	ND	5.0	100	102	2.0	98	96	2.1	70 - 130	30	
Methylene chloride	ND	5.0	100	99	1.0	110	114	3.6	70 - 130	30	
Naphthalene	ND	5.0	103	105	1.9	98	95	3.1	70 - 130	30	
n-Butylbenzene	ND	1.0	105	105	0.0	107	102	4.8	70 - 130	30	
n-Propylbenzene	ND	1.0	103	104	1.0	103	100	3.0	70 - 130	30	
o-Xylene	ND	2.0	101	99	2.0	97	96	1.0	70 - 130	30	
p-Isopropyltoluene	ND	1.0	102	103	1.0	102	99	3.0	70 - 130	30	
sec-Butylbenzene	ND	1.0	103	104	1.0	102	99	3.0	70 - 130	30	
Styrene	ND	5.0	98	97	1.0	95	93	2.1	70 - 130	30	
tert-butyl alcohol	ND	100	104	102	1.9	128	100	24.6	70 - 130	30	
tert-Butylbenzene	ND	1.0	101	103	2.0	101	98	3.0	70 - 130	30	
Tetrachloroethene	ND	5.0	103	102	1.0	99	97	2.0	70 - 130	30	
Toluene	ND	1.0	102	102	0.0	98	97	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
trans-1,2-Dichloroethene	ND	5.0	113	113	0.0	112	112	0.0	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	100	99	1.0	94	94	0.0	70 - 130	30
Trichloroethene	ND	5.0	103	103	0.0	100	99	1.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	109	110	0.9	109	109	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	116	118	1.7	117	117	0.0	70 - 130	30
Vinyl Acetate	ND	5.0	89	70	23.9	85	67	23.7	70 - 130	30
Vinyl chloride	ND	5.0	111	112	0.9	113	113	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	100	101	1.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	97	%	100	99	1.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	%	99	98	1.0	98	99	1.0	70 - 130	30
% Toluene-d8	93	%	100	100	0.0	100	99	1.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 615307 (ug/kg), QC Sample No: CK82303 (CK81164)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	103	105	1.9	99	100	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	100	99	1.0	95	97	2.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	102	104	1.9	99	95	4.1	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	98	101	3.0	99	96	3.1	70 - 130	30
1,1-Dichloroethane	ND	5.0	103	102	1.0	100	101	1.0	70 - 130	30
1,1-Dichloroethene	ND	5.0	109	108	0.9	103	104	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	105	106	0.9	70	63	10.5	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	108	107	0.9	72	65	10.2	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	103	103	0.0	90	88	2.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	93	96	3.2	86	84	2.4	70 - 130	30
1,2-Dibromoethane	ND	5.0	103	106	2.9	101	100	1.0	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	107	107	0.0	91	88	3.4	70 - 130	30
1,2-Dichloroethane	ND	5.0	101	103	2.0	100	99	1.0	70 - 130	30
1,2-Dichloropropane	ND	5.0	97	97	0.0	97	96	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	108	107	0.9	94	91	3.2	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	107	107	0.0	91	88	3.4	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	108	107	0.9	92	90	2.2	70 - 130	30
1,4-dioxane	ND	100	96	99	3.1	105	113	7.3	40 - 160	30
2-Hexanone	ND	25	89	91	2.2	87	85	2.3	70 - 130	30
4-Methyl-2-pentanone	ND	25	93	97	4.2	93	90	3.3	70 - 130	30
Acetone	ND	10	85	86	1.2	85	82	3.6	70 - 130	30
Acrolein	ND	25	89	91	2.2	71	70	1.4	70 - 130	30
Acrylonitrile	ND	5.0	94	96	2.1	91	87	4.5	70 - 130	30
Benzene	ND	1.0	99	98	1.0	96	97	1.0	70 - 130	30
Bromochloromethane	ND	5.0	107	108	0.9	105	104	1.0	70 - 130	30
Bromodichloromethane	ND	5.0	97	98	1.0	94	95	1.1	70 - 130	30
Bromoform	ND	5.0	95	100	5.1	88	89	1.1	70 - 130	30
Bromomethane	ND	5.0	115	109	5.4	114	118	3.4	70 - 130	30
Carbon Disulfide	ND	5.0	101	101	0.0	93	96	3.2	70 - 130	30
Carbon tetrachloride	ND	5.0	95	95	0.0	88	90	2.2	70 - 130	30
Chlorobenzene	ND	5.0	109	110	0.9	103	103	0.0	70 - 130	30
Chloroethane	ND	5.0	108	108	0.0	104	109	4.7	70 - 130	30
Chloroform	ND	5.0	102	103	1.0	100	101	1.0	70 - 130	30
Chloromethane	ND	5.0	103	103	0.0	98	102	4.0	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	108	104	3.8	102	106	3.8	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	95	96	1.0	93	92	1.1	70 - 130	30
Cyclohexane	ND	5.0	105	104	1.0	94	94	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GCK81155

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromochloromethane	ND	3.0	103	106	2.9	98	100	2.0	70 - 130	30
Dichlorodifluoromethane	ND	5.0	120	116	3.4	116	116	0.0	70 - 130	30
Ethylbenzene	ND	1.0	106	108	1.9	99	99	0.0	70 - 130	30
Isopropylbenzene	ND	1.0	109	109	0.0	98	96	2.1	70 - 130	30
m&p-Xylene	ND	2.0	106	107	0.9	99	98	1.0	70 - 130	30
Methyl ethyl ketone	ND	5.0	93	94	1.1	90	84	6.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	95	97	2.1	96	94	2.1	70 - 130	30
Methylacetate	ND	5.0	106	110	3.7	111	108	2.7	70 - 130	30
Methylcyclohexane	ND	5.0	105	105	0.0	86	85	1.2	70 - 130	30
Methylene chloride	ND	5.0	111	112	0.9	95	95	0.0	70 - 130	30
Naphthalene	ND	5.0	101	102	1.0	107	105	1.9	70 - 130	30
n-Butylbenzene	ND	1.0	114	112	1.8	83	80	3.7	70 - 130	30
n-Propylbenzene	ND	1.0	112	110	1.8	97	95	2.1	70 - 130	30
o-Xylene	ND	2.0	102	103	1.0	96	96	0.0	70 - 130	30
p-Isopropyltoluene	ND	1.0	110	110	0.0	89	85	4.6	70 - 130	30
sec-Butylbenzene	ND	1.0	110	109	0.9	88	85	3.5	70 - 130	30
Styrene	ND	5.0	107	110	2.8	101	101	0.0	70 - 130	30
tert-butyl alcohol	ND	100	86	88	2.3	92	94	2.2	70 - 130	30
tert-Butylbenzene	ND	1.0	106	106	0.0	91	88	3.4	70 - 130	30
Tetrachloroethene	ND	5.0	102	101	1.0	94	91	3.2	70 - 130	30
Toluene	ND	1.0	98	98	0.0	95	93	2.1	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	109	108	0.9	103	106	2.9	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	93	96	3.2	89	88	1.1	70 - 130	30
Trichloroethene	ND	5.0	106	106	0.0	103	102	1.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	116	112	3.5	107	110	2.8	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	105	103	1.9	97	98	1.0	70 - 130	30
Vinyl Acetate	ND	5.0	99	101	2.0	68	66	3.0	70 - 130	30 m
Vinyl chloride	ND	5.0	114	113	0.9	109	110	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	98	1.0	98	98	0.0	70 - 130	30
% Bromofluorobenzene	92	%	95	96	1.0	95	95	0.0	70 - 130	30
% Dibromofluoromethane	96	%	95	95	0.0	92	94	2.2	70 - 130	30
% Toluene-d8	97	%	98	99	1.0	99	97	2.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
March 17, 2022

Thursday, March 17, 2022

Criteria: NJ: IGWSS, MGW, RC

State: NJ

Sample Criteria Exceedances Report

GCK81155 - IMPACTJB-IM

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CK81155	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	15200	38	6000	3900	mg/Kg
CK81155	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	249	3.8	65	42	mg/Kg
CK81155	NI-SM	Nickel	NJ / Impact To Ground Water / Soil Screen Levels	50.2	0.38	48	31	mg/Kg
CK81155	NI-SM	Nickel	NJ / Soil Remediation Standard / Migration GW	50.2	0.38	48	48	mg/Kg
CK81156	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13400	34	6000	3900	mg/Kg
CK81156	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	218	3.4	65	42	mg/Kg
CK81157	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	12700	32	6000	3900	mg/Kg
CK81157	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	190	3.2	65	42	mg/Kg
CK81158	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	15100	38	6000	3900	mg/Kg
CK81158	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	225	3.8	65	42	mg/Kg
CK81159	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	14200	35	6000	3900	mg/Kg
CK81159	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	229	3.5	65	42	mg/Kg
CK81160	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	10100	33	6000	3900	mg/Kg
CK81160	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	156	3.3	65	42	mg/Kg
CK81161	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13700	38	6000	3900	mg/Kg
CK81161	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	212	3.8	65	42	mg/Kg
CK81162	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	13400	33	6000	3900	mg/Kg
CK81162	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	231	3.3	65	42	mg/Kg
CK81162	NI-SM	Nickel	NJ / Impact To Ground Water / Soil Screen Levels	54.5	0.33	48	31	mg/Kg
CK81162	NI-SM	Nickel	NJ / Soil Remediation Standard / Migration GW	54.5	0.33	48	48	mg/Kg
CK81163	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	11600	38	6000	3900	mg/Kg
CK81163	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	166	3.8	65	42	mg/Kg
CK81164	\$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Impact To Ground Water / Soil Screen Levels	490	140	200	200	ug/Kg
CK81164	AL-SMDP	Aluminum	NJ / Impact To Ground Water / Soil Screen Levels	11600	34	6000	3900	mg/Kg
CK81164	MN-SM	Manganese	NJ / Impact To Ground Water / Soil Screen Levels	166	3.4	65	42	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** Impact Materials

Project Location: IRRR BLUESTONE **Project Number:**

Laboratory Sample ID(s): CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

Sampling Date(s): 3/8/2022

DKQP Methods Used

☒ 1311/1312 ☒ 6010 ☐ 6020 ☐ 7000 ☒ 7196 ☒ 7470/7471 ☒ 8081 ☒ EPH
☒ 8082 ☒ 8151 ☒ 8260 ☒ 8270 ☐ ETPH ☒ 9010/9012 ☐ VPH ☐ TO15

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☒ Yes ☐ No
1a.	Were the method specified handling, preservation, and holding time requirements met?	☒ Yes ☐ No
1b.	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☒ Yes ☐ No ☐ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3.	Were samples received at an appropriate temperature (4±2° C)?	☒ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☒ No
5a.	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	☒ Yes ☐ No
5b.	Were these reporting limits met?	☒ Yes ☐ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☒ Yes ☐ No
7.	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☒ Yes ☐ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:

Rashmi Makol

Date: Thursday, March 17, 2022

Printed Name: Rashmi Makol

Position: Project Manager

Apr 2014



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

Cyanide Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

LACHAT 03/10/22-1

Michael McGuire, Dan Kinney, Chemist 03/10/22

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) were within 15% of true value and were analyzed at a frequency of one per ten samples.

The continuing calibration blanks (ICB,CCB) had concentrations less than the reporting level.

The method blank, laboratory control sample (LCS), and matrix spike were distilled with the samples.

QC (Batch Specific):

Batch 615014 (CK79751)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 80 - 120 with the following exceptions: None.

EPH NJ Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 615189 (Samples: CK81164): -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (C18 - Octadecane)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (C40 - Tetracontane)

The MS/MSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% Terphenyl (surr))

Instrument:

AU-FID7 03/10/22-1

Jeff Bucko, Chemist 03/10/22

CK81155 (1X), CK81156 (1X), CK81157 (1X), CK81158 (1X), CK81159 (1X)

The initial calibration (NJ201AI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 25% except for the following compounds:None.

AU-FID7 03/11/22-1

Jeff Bucko, Chemist 03/11/22

CK81160 (1X), CK81161 (1X), CK81162 (1X), CK81163 (1X), CK81164 (1X)

The initial calibration (NJ201AI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 25% except for the following compounds:None.



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NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

EPH NJ Narration

QC (Batch Specific):

Batch 614982 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 25% with the following exceptions: None.

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

Additional: MS acceptance range 50-150%.

Batch 615189 (CK81164)

CK81164

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: C18 - Octadecane(142%)

All LCS/LCSD RPDs were less than 25% with the following exceptions: C40 - Tetracontane(28.2%)

Additional EPH fractionation criteria: Breakthrough criteria (BT) is 0 to 5%

Additional: MS acceptance range 50-150%.

Herbicide Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

AU-ECD12 03/09/22-1

Jeff Bucko, Chemist 03/09/22

CK81155 (10X), CK81156 (10X), CK81157 (10X), CK81158 (10X), CK81159 (10X), CK81160 (10X), CK81161 (10X), CK81162 (10X), CK81163 (10X)

The initial calibration (HRB306AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (HRB306BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163

Preceding CC 309A015 - Dinoseb 32%H (15%)

Succeeding CC 309A027 - Dinoseb 41%H (15%)

AU-ECD12 03/10/22-1

Jeff Bucko, Chemist 03/10/22

CK81164 (10X)

The initial calibration (HRB306AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (HRB306BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CK81164

Preceding CC 310A003 - Dinoseb 41%H (15%)

Succeeding CC 310A015 - 2,4-D (8) -21%L (15%), Dinoseb 46%H (15%)

QC (Batch Specific):

Batch 614870 (CK81488)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

Herbicide Narration

QC (Batch Specific):

Batch 614963 (CK83152)

CK81164

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Soil Hex Chromium Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

BECKMAN DU720 03/09/22-1 Blake Antil, Chemist 03/09/22

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

QC (Batch Specific):

Batch 614929 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 90 - 110 with the following exceptions: None.

The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.

Mercury Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

MERLIN 03/10/22 10:53 Mike Hornak, Chemist 03/10/22

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.

The initial calibration met all criteria including a standard run at or below the reporting level.

All calibration verification standards (ICV, CCV) met criteria.

All calibration blank verification standards (ICB, CCB) met criteria.

The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.



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Certification Report

March 17, 2022

SDG I.D.: GCK81155

Mercury Narration

Instrument:

QC (Batch Specific):

Batch 614921 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 614828 (Samples: CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164): -----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Manganese)

Instrument:

ARCOS 03/09/22 07:23

Cindy Pearce, Emily Kolominskaya, Tina Hall, Chemist 03/09/

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 03/10/22 09:07

Cindy Pearce, Emily Kolominskaya, Tina Hall, Chemist 03/10/

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 03/15/22 08:13

Cindy Pearce, Emily Kolominskaya, Tina Hall, Chemist 03/15/

CK81155, CK81158, CK81162

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.



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Certification Report

March 17, 2022

SDG I.D.: GCK81155

ICP Metals Narration

QC (Batch Specific):

Batch 614828 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 615686 (CK86287)

CK81155, CK81158, CK81162

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

AU-ECD24 03/09/22-1

Keith Aloisa, Chemist 03/09/22

CK81155 (2X), CK81156 (2X), CK81157 (2X), CK81159 (2X), CK81160 (2X), CK81161 (2X), CK81163 (2X), CK81164 (2X)

The initial calibration (PC0125AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0125BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CK81156, CK81160, CK81164

Preceding CC 309B030 - None.

Succeeding CC 309B042 - PCB 1260 16%H (%)

AU-ECD24 03/10/22-1

Saadia Chudary, Chemist 03/10/22

CK81162 (2X)

The initial calibration (PC0125AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0125BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD29 03/10/22-1

Saadia Chudary, Chemist 03/10/22

CK81158 (2X)

The initial calibration (PC222AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC222BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 614852 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

PEST Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

AU-ECD7 03/09/22-1

Adam Werner, Chemist 03/09/22

CK81155 (2X), CK81156 (2X), CK81157 (2X), CK81158 (2X), CK81159 (2X), CK81160 (2X), CK81161 (2X), CK81162 (2X), CK81163 (2X), CK81164 (2X)

The initial calibration (PS0303AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0303BI) RSD for the compound list was less than 20% except for the following compounds: None.

The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.

The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 20% except for the following compounds:

Samples: CK81157, CK81158, CK81160, CK81161, CK81164

Preceding CC 309A035 - None.

Succeeding CC 309A048 - Endosulfan I 23%H (20%)

QC (Batch Specific):

Batch 614853 (CK81155)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163, CK81164

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 614854 (Samples: CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81164): ----

One or more analytes is below the method criteria. A low bias for these analytes is possible. (Benzoic Acid, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol)

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (2-Nitroaniline)

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Benzaldehyde)

QC Batch 614874 (Samples: CK81161, CK81162, CK81163): ----

One or more analytes is below the method criteria. A low bias for these analytes is possible. (2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Benzoic Acid)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (4,6-Dinitro-2-methylphenol)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (2-Nitroaniline)



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

SVOA Narration

Instrument:

CHEM19 03/08/22-1 Matt Richard, Chemist 03/08/22

CK81161 (1X), CK81162 (1X), CK81163 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM19/19_SPLIT_0221):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: % 2,4,6-Tribromophenol 0.049 (0.05), Hexachlorobenzene 0.081 (0.1)

The following compounds did not meet a minimum response factors: % 2,4,6-Tribromophenol 0.049 (0.05)

Continuing Calibration Verification (CHEM19/0308_03-19_SPLIT_0221):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: Hexachlorobenzene 0.086 (0.1)

The following compounds did not meet minimum response factors: None.

CHEM36 03/08/22-1 Matt Richard, Chemist 03/08/22

CK81155 (1X), CK81156 (1X), CK81157 (1X), CK81158 (1X), CK81159 (1X), CK81160 (1X), CK81164 (1X, 1000X)

Initial Calibration Evaluation (CHEM36/36_SPLIT_0304):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM36/0308_03-36_SPLIT_0304):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 614854 (CK81164)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81164

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 2-Nitroaniline(144%), 4,6-Dinitro-2-methylphenol(23%), Benzoic Acid(<10%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 2-Nitroaniline(151%), 4,6-Dinitro-2-methylphenol(25%), Benzoic Acid(<10%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

This batch consists of a Blank LCS, LCSD and MS.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NJKDQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

SVOA Narration

QC (Batch Specific):

Batch 614854 (CK81164)

CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81164

The laboratory criteria of 30-130% is different than the NJKDQP general criteria of 70-130%. The NJKDQP criteria for problem compounds is 20-160%.

Batch 614874 (CK81698)

CK81161, CK81162, CK81163

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 2-Nitroaniline(132%), 4,6-Dinitro-2-methylphenol(25%), Benzoic Acid(18%)

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol(<10%), 2-Nitroaniline(142%), 4,6-Dinitro-2-methylphenol(16%), Benzoic Acid(<10%)

All LCS/LCSD RPDs were less than 30% with the following exceptions: 4,6-Dinitro-2-methylphenol(43.9%)

The laboratory criteria of 30-130% is different than the NJKDQP general criteria of 70-130%. The NJKDQP criteria for problem compounds is 20-160%.

VOA Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 615133 (Samples: CK81155, CK81156, CK81157, CK81158, CK81159, CK81160, CK81161, CK81162, CK81163): -----

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (Acrylonitrile)

Instrument:

CHEM03 03/10/22-1

Jane Li, Chemist 03/10/22

CK81164 (1X)

Initial Calibration Evaluation (CHEM03/VT-L022422):

98% of target compounds met criteria.

The following compounds had %RSDs >20%: Acetone 29% (20%), Chloroethane 21% (20%)

The following compounds did not meet Table 4 recommended minimum response factors: Acetone 0.067 (0.1), Acrolein 0.039 (0.05), Tetrachloroethene 0.175 (0.2)

The following compounds did not meet the minimum response factor of 0.05: Acrolein 0.039 (0.05)

Continuing Calibration Verification (CHEM03/0310_02-VT-L022422):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: Acrolein 0.038 (0.05)

CHEM14 03/09/22-2

Jane Li, Chemist 03/09/22

CK81155 (1X), CK81156 (1X), CK81157 (1X), CK81158 (1X), CK81159 (1X), CK81160 (1X), CK81161 (1X), CK81162 (1X), CK81163 (1X)

Initial Calibration Evaluation (CHEM14/VT030822):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet Table 4 recommended minimum response factors: Acetone 0.079 (0.1), Acrolein 0.040 (0.05)



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NJDKQP Certification Report

March 17, 2022

SDG I.D.: GCK81155

VOA Narration

Instrument:

CHEM14 03/09/22-2

Jane Li, Chemist 03/09/22

CK81155 (1X), CK81156 (1X), CK81157 (1X), CK81158 (1X), CK81159 (1X), CK81160 (1X), CK81161 (1X), CK81162 (1X), CK81163 (1X)

The following compounds did not meet the minimum response factor of 0.05: Acrolein 0.040 (0.05)

Continuing Calibration Verification (CHEM14/0309_38-VT030822):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

98% of target compounds met criteria.

The following compounds did not meet % deviation criteria: Acrylonitrile 33%L (30%), Vinyl Acetate 35%L (30%)

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet Table 4 recommended minimum response factors: Acrolein 0.045 (0.05)

QC (Batch Specific):

Batch 615133 (CK76868)

CHEM14 3/9/2022-2

CK81155(1X), CK81156(1X), CK81157(1X), CK81158(1X), CK81159(1X), CK81160(1X), CK81161(1X), CK81162(1X), CK81163(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: Acrylonitrile(67%)

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Batch 615307 (CK82303)

CHEM03 3/10/2022-1

CK81164(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

Date	Sample #	Rsh	Acode	C#	Param	Initial pH (1)	After HCl pH (2)	Fluid Used	Free Liquid Portion (3)	Sample Wgt (g)	Sample Wgt 2 (g)	Extract Vol(mL)	ZHE #	ZHE EP	Time Set	Initial Analyst	Final pH	Time End	Press Filter	Final Analyst	Comment
03/14/22	CK81155	72	SPLPEXTM		M, PHF	-	-	S	-	100.03		2000	-		6:49 PM	Z	10.16	10:49 AM	No	AB	
03/14/22	CK81158	72	SPLPEXTM		M, PHF	-	-	S	-	100.45		2000	-		6:49 PM	Z	10.05	10:49 AM	No	AB	
03/14/22	CK81162	72	SPLPEXTM		M, PHF	-	-	S	-	100.28		2000	-		6:49 PM	Z	11.48	10:49 AM	No	AB	

Comment

Temp In

61.2

Temp Out

61.7

SCALE T

1. If initial pH of 5g to 100ml is <5, Fluid choice is Fluid 1, if >5 proceed to next step.

2. If pH of sample after addition of 6 drops of HCl (heat) is <5 TCLP Fluid choice is Fluid 1, if >5 Fluid 2.

3. The value recorded in this column is the amount of free liquid separated from the solid portion of the sample which needs to be added back after the extraction.



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☐ No ☒
Coolant: IPK ☐ ICE ☒
Temp: 3 °C Pg of

Contact Options:

Fax: ☐
Phone: ☐
Email: ☐

Customer: Impact Materials
Address: 1000 Page Ave
Lyndhurst, NJ

Project: IRRC Bluestone
Report to: j.bogdan@impactmaterials.com
Invoice to: BWalsh@impactmaterials.com
QUOTE #:

This section **MUST** be
completed with
Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature: *[Signature]* Date: 3/4/22
Matrix Code:
DW=Drinking Water GW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
81155	IRRC Bluestone N	S	3/8/2022	8:00	Impact Package A
81156	IRRC Bluestone S	S	3/8/2022	8:05	VOCs
81157	IRRC Bluestone E	S	3/8/2022	8:10	EH (Cal)
81158	IRRC Bluestone W	S	3/8/2022	8:15	GL VOA Vial (1 methanol) 2 H2O
81159	IRRC Bluestone NE	S	3/8/2022	8:20	GL VOA Vial (1 methanol) 2 H2O
81160	IRRC Bluestone NW	S	3/8/2022	8:25	GL VOA Vial (1 methanol) 2 H2O
81161	IRRC Bluestone SE	S	3/8/2022	8:30	GL VOA Vial (1 methanol) 2 H2O
81162	IRRC Bluestone SW	S	3/8/2022	8:35	GL VOA Vial (1 methanol) 2 H2O
81163	IRRC Bluestone CN	S	3/8/2022	8:40	GL VOA Vial (1 methanol) 2 H2O
81164	IRRC Bluestone CS	S	3/8/2022	8:45	GL VOA Vial (1 methanol) 2 H2O

Relinquished by: <i>[Signature]</i>	Accepted by: <i>[Signature]</i>	Date: 3.8.22	Time: 14:03
Comments, Special Requirements or Regulations:		Turnaround: ☐ 1 Day* ☒ 2 Days* ☒ 3 Days* ☐ 5 Days ☐ 10 Days ☐ Other	
		SRS Ingestion - Dermal Res. Criteria ☒ SRS Inhalation Res. Criteria ☒ SRS Migration to GW ☒	
		NJ ☒ SRS Ingestion - Dermal Res. Criteria ☒ SRS Inhalation Res. Criteria ☒ SRS Migration to GW ☒	
		NY ☐ TOGS GW ☐ CP-51 SOIL ☐ 375SSCO ☐ Unrestricted Soil ☐ 375SSCO ☐ Residential Soil ☐ 375SSCO ☐ Restricted Soil ☐ Commercial Soil ☐ 375SSCO ☐ Industrial Soil ☐ Subpart 5 DW	
		Data Format: ☐ Phoenix Std Report ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other	
		Data Package: ☐ NJ Reduced Deliv. * ☐ NY Enhanced (ASP B) * ☐ Other	

GCK 81155

Shannon Wilhelm

Subject: FW: Impact COC
Attachments: 20220308144333.pdf

from: Michael Lapman <michael@phoenixlabs.com>
Sent: Tuesday, March 8, 2022 2:48 PM
To: Shannon Wilhelm <shannon@phoenixlabs.com>
Subject: FW: Impact COC

Impact--IM:

3-Day Rush TAT and compare to:

1. NJ new Residential inhalation soil standard
2. NJ new Residential ingestion-dermal soil standard
3. NJIGWs

Thank you.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com



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Bobbi Aloisa

From: Michael Lapman
Sent: Monday, March 14, 2022 10:58 AM
To: Bobbi Aloisa
Subject: FW: IRRC --Add On

Bobbi:

Please see the below from Jeff. Thank you.

Regards,
Michael Lapman
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
Direct Line: 917.449.0850
Laboratory: 860.812.0086
www.phoenixlabs.com



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From: Jeff Bogoian <jbogoian@impactenvironmental.com>
Date: Monday, March 14, 2022 at 10:55 AM
To: Michael Lapman <michael@phoenixlabs.com>
Subject: RE: IRRC

Please run CK81155, CK81158, and CK81162 for SPLP Nickel. Full extraction data and standard TAT.

Thanks,



JEFF BOGOIAN | Facility Manager

O: 201-268-5686 x140 C: 631-334-2325
1000 Page Avenue, Lyndhurst, NJ 07071

[Our email policies](#)



Phoenix Environmental Labs

TCLP/SPLP Prep Logbook

3/14/2022

Date	Sample #	Rsh	Acode	C#	Param	Initial pH (1)	After HCl pH (2)	Fluid Used	Free Liquid Portion (3)	Sample Wgt (g)	Sample Wgt 2 (g)	Extract Vol (mL)	ZHE #	ZHE EP	Time Set	Initial Analyst	Final pH	Time End	Press Filter	Final Analyst	Comment
	B0-SPLP		SPLPEXT			-	-	S	-	-	-	-	-	-	5:00 PM	Z	-	9:00 AM	No	AB	
	B0-T10M		TCLP1EXT			-	-	1	-	-	-	-	-	-	5:00 PM	Z	-	9:00 AM	No	AB	
	B0-T1V		TCLPEXTV			-	-	1	-	-	-	-	36	0	6:15 PM	Z	-	10:15 AM	No	AP	
	B0-T20M		TCLP2EXT			-	-	2	-	-	-	-	-	-	5:00 PM	Z	-	9:00 AM	No	AB	
03/14/22	CK81638		TCLPEXTM		HG	-	6.0	2	-	96.68	-	1900	-	-	5:00 PM	Z	5.3	9:00 AM	No	AB	LIMITED
03/14/22	CK85548	72	TCLPEXTM		HG, T-H, T-	-	2.0	1	-	100.01	-	2000	-	-	5:00 PM	Z	5.5	9:00 AM	No	AB	
03/14/22	CK85548	72	TCLPEXTO		HG, T-H, T-	-	-	-	-	-	-	-	-	-	5:00 PM	Z	5.5	9:00 AM	No	AB	
03/14/22	CK77711	24	TCLPEXTM		HG, T-H, T-	-	2.0	1	-	100.05	-	2000	-	-	5:00 PM	Z	5.5	9:00 AM	No	AB	
03/14/22	CK81209	24	TCLPEXTM		HG	-	2.0	1	-	100.43	-	2000	-	-	5:00 PM	Z	5.8	9:00 AM	No	AB	
03/14/22	MS-1	MS	TCLPEXTO-MS			-	-	-	-	-	-	-	-	-	5:00 PM	Z	-	9:00 AM	No	AB	
03/14/22	CK85712		TCLPEXTM		HG	-	2.0	1	-	45.54	-	910	-	-	5:00 PM	Z	4.7	9:00 AM	No	AB	LIMITED
03/14/22	CK85713		TCLPEXTM		HG	-	2.0	1	-	41.16	-	820	-	-	5:00 PM	Z	4.7	9:00 AM	No	AB	LIMITED
03/14/22	CK85714		TCLPEXTM		HG	-	2.0	1	-	28.65	-	570	-	-	5:00 PM	Z	4.7	9:00 AM	No	AB	LIMITED
03/14/22	CK85715		TCLPEXTM		HG	-	2.0	1	-	38.33	-	770	-	-	5:00 PM	Z	4.7	9:00 AM	No	AB	LIMITED
03/14/22	CK85548	72	TCLPEXTV			-	-	1	-	20.16	-	400	Z	22	6:15 PM	Z	-	10:15 AM	No	AP	
03/14/22	CK86168		TCLPEXTM		HG	-	2.0	1	-	100.50	-	2000	-	-	6:49 PM	Z	5.0	10:49 AM	No	AB	
03/14/22	CK86181		TCLPEXTM		HG	-	2.0	1	-	100.40	-	2000	-	-	6:49 PM	Z	6.0	10:49 AM	No	AB	
03/14/22	CK86170	72	TCLPEXTM		HG	-	2.0	1	-	100.11	-	2000	-	-	6:49 PM	Z	5.3	10:49 AM	No	AB	
03/14/22	CK85871	24	TCLPEXTM			-	-	1 & 2	-	100.17	100.10	2000	-	-	6:49 PM	Z	6.0	10:49 AM	No	AB	
03/14/22	CK81155	72	SPLPEXTM		M, PHF	-	-	S	-	100.03	-	2000	-	-	6:49 PM	Z	10.16	10:49 AM	No	AB	
03/14/22	CK81158	72	SPLPEXTM		M, PHF	-	-	S	-	100.45	-	2000	-	-	6:49 PM	Z	10.05	10:49 AM	No	AB	
03/14/22	CK81162	72	SPLPEXTM		M, PHF	-	-	S	-	100.28	-	2000	-	-	6:49 PM	Z	11.48	10:49 AM	No	AB	
03/14/22	CK86267	72	TCLPEXTM		HG	-	2.0	1	-	100.03	-	2000	-	-	6:49 PM	Z	4.7	10:49 AM	No	AB	
03/14/22	CK86268	72	TCLPEXTM		HG	-	2.0	1	-	100.37	-	2000	-	-	6:49 PM	Z	5.0	10:49 AM	No	AB	
03/14/22	CK86287	72	SPLPEXTM		M, HG	-	-	S	-	100.25	-	2000	-	-	6:49 PM	Z	-	10:49 AM	No	AB	
03/14/22	CK86290	72	SPLPEXTM		M, HG	-	-	S	-	100.34	-	2000	-	-	6:49 PM	Z	-	10:49 AM	No	AB	
03/14/22	CK82501	24	SPLPEXTO		M, HG, S-SI	-	-	S	-	100.48	-	2000	-	-	6:49 PM	Z	-	10:49 AM	No	AB	
03/14/22	CK79223	24	SPLPEXTO		S-P2L, S-P	-	-	S	-	100.23	-	2000	-	-	7:50 PM	Z	-	11:50 AM	No	AB	

Comment

Temp In

61.2

Temp Out

61.7

SCALE T

1. If initial pH of 5g to 100ml is <5, Fluid choice is Fluid 1, if >5 proceed to next step.

2. If pH of sample after addition of 6 drops of HCl (heat) is <5 TCLP Fluid choice is Fluid 1, if >5 Fluid 2.

3. The value recorded in this column is the amount of free liquid separated from the solid portion of the sample which needs to be added back after the extraction.



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin sand to be used as bedding material in geothermal utility trenches. These trenches will all be located below the site cover system at the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source (Quinton Quarry). More than 10% of this material passes the #10 sieve, but less than 10% passes the #100 sieve. One sample of this material was collected by Vulcan Materials on 10/19/2022 (analytical data is attached). The sample was analyzed for TCL VOCs+TICs, TCL SVOCs+TICs, TAL Metals, Chromium, Herbicides, PCBs, EPH, and PFAS.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

As shown in the attached summary table, there were no exceedances of the Unrestricted Use SCOs.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Vulcan Materials Company

Location where fill was obtained:

Quinton Quarry, Quinton, NJ

Identification of any state or local approvals as a fill source:

NYS 10-189F

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Virgin Source Quarry

Provide a list of supporting documentation included with this request:

1. Material Certification
2. Gradation Reports
3. USCS Classification
4. Analytical Testing Results
5. Summary Table

The information provided on this form is accurate and complete.

Robert Kovacs Digitally signed by Robert Kovacs
Date: 2023.04.11 14:05:16 -04'00'

Signature

4/11/2023

Date

Robert Kovacs, P.G.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm



April 10, 2023

Josh Argast
Development Project Manager
LendLease

Re: 1 Java Project – Greenpoint Brooklyn
Pier J - Quinton Concrete sand

Dear Sir:

Vulcan Materials Company looks forward to the opportunity to partner with you on another successful project. Enclosed are current gradations for the materials intended for use on your project. Also provided are supporting documents and disclaimers.

Please contact me if you require additional information.

Sincerely yours,

Vulcan Materials Company



Pier J – Brooklyn Navy Yard
Brooklyn Navy Yard, Pier J
Brooklyn, NY 11205

North Shore Terminal
2541 Richmond Terrace
Staten Island, NY 10303

Oceanside Terminal
3645 Hampton Road
Oceanside, NY 11572

Material Certification

Please be advised that all our aggregate terminals and pit listed above provide construction materials, and fill materials, from the virgin properties as described in this document.

Pier J – Brooklyn Navy Yard

Approved Source: NYS 10-12R, RFM

Martin Marietta Materials
Nova Scotia, Canada

Approved Source: NYS 8-9R

Tilcon Clinton Point
Clinton Point, NY

Approved Source: NYS 10-189F

Vulcan Materials Company
Quinton, NJ

Approved Source: NYS 8-17R

Colarusso
Hudson, NY

Oceanside Terminal

Approved Source: NYS 8-9R

Tilcon Clinton Point
Clinton Point, NY

North Shore Terminal

Approved Source: NYS 8-17R

Colarusso
Hudson, NY

Approved Source: NYS 10-189F

Vulcan Materials Company
Quinton, NJ

Approved Source: NYS 10-47R

Vulcan Materials Company
Glen Gardner, NJ

To the best of our knowledge, these materials are not contaminated with any hazardous substances while on our properties as listed above.

If you require additional information, please contact our office.

New York Sand and Stone
Phone: 718 -596-2897

Gradation Test With Sieve Chart Report

Plant 7295-Pier J
Product 502-Concrete Sand C33 (31152)
Specification ASTM C33 Sand



Sample Information

Sample No 741201008
Date Sampled 04/03/2023 15:42
Sampled By Morsia Thomas
Type Shipping
Method Stockpile

Split Sample ☐
Resample ☐

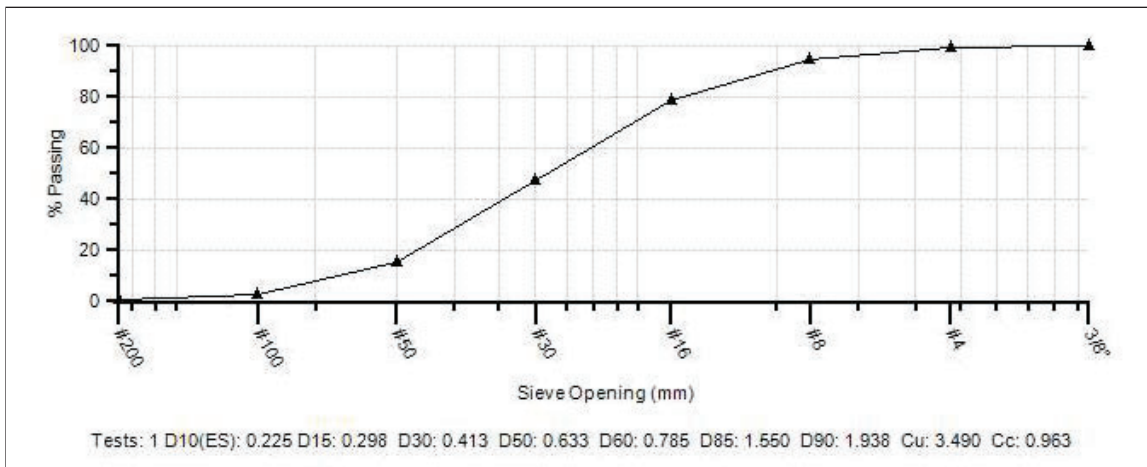
Test Note
5.8% moisture

Gradation Results

Date Completed 04/06/2023 15:42

Tested By Morsia Thomas

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure		
g		492.40						
Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
3/8" (9.5mm)	0.00	0.00	0.0	0.0	100.0		100-100	
#4 (4.75mm)	4.60	4.60	0.9	0.9	99.1		95-100	
#8 (2.36mm)	23.10	27.70	4.7	5.6	94.4		80-100	
#16 (1.18mm)	76.00	103.70	15.4	21.1	78.9		50-85	
#30 (.6mm)	154.90	258.60	31.5	52.5	47.5		25-60	
#50 (.3mm)	159.60	418.20	32.4	84.9	15.1		5-30	
#100 (.15mm)	60.20	478.40	12.2	97.2	2.8		0-10	
#200 (75µm)	9.40	487.80	1.9	99.1	0.9			
Pan	4.60	492.40	0.9	100.0	0.0			





3348 Route 208, Campbell Hall, NY 10916

Phone: 845-496-1600 Fax: 845-496-1398

12960 Commerce Lake Drive, A14, Fort Myers, FL 33913

42 Day Farm Road, West Stockbridge, MA 01266

1813 State Route 7, Harpursville, NY 13787

Client:	Vulcan Materials Co.	Project	Quinton Quarry Quality Control 2023
Material:	Concrete Sand	Project Number:	221698
Source:	Quinton Quarry	Lab Number:	22-1584C
Location:	Stockpile	Item Number:	No Specification
Date Sampled:	12/21/2022	Sampled By:	Client
Date Tested:	1/25/2023	Tested By:	Emily Rodriguez

Report for Unified Soil Classification

Test Method: ASTM D2487

USCS Group Symbol: **SP**

USCS Group Name: **Poorly Graded Sand**

Specifications:

Comments:

Emily J. Rodriguez

Report Reviewed By:

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The results in this report relate only to the items inspected or tested.

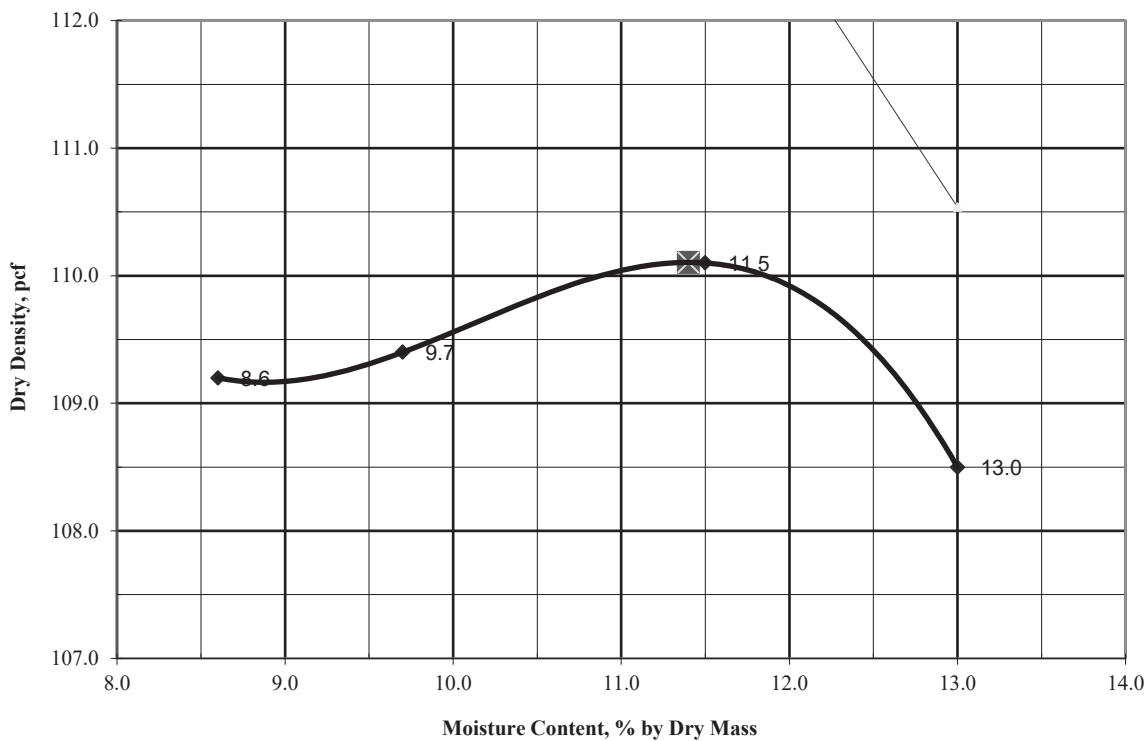
PDF



3348 Route 208, Campbell Hall, NY 10916
 Phone: 845-496-1600 Fax: 845-496-1398
 12960 Commerce Lake Drive, A14, Fort Myers, FL 33
 42 Day Farm Road, West Stockbridge, MA 01266
 1813 State Route 7, Harpursville, NY 13787

CLIENT:	Vulcan Materials Co.	PROJECT NO.:	221698
PROJECT:	Quinton Quarry Quality Control 2023	LAB NUMBER:	22-1584C-1
TEST METHOD:	ASTM D 1557 'Modified Proctor'	Method:	B
SOIL ID NUMBER:	6		
ITEM:	Concrete Sand		
SOURCE:	Quinton Quarry		
SOIL DESCRIPTION:	Orange Sand: 96% Sand; 2% Silt; 2% Gravel		
DATE SAMPLED:	12/21/2022	SAMPLED BY:	Client
DATE TESTED:	1/11/2023	TESTED BY:	Robert Sanborn

REPORT OF MOISTURE DENSITY RELATIONSHIP



Individual Test Points	
Percent Moisture	Dry Density
8.6	109.2
9.7	109.4
11.5	110.1
13.0	108.5

Uncorrected Maximum Dry Density: 110.1 lb/cu. ft.
 Uncorrected Optimum Moisture Content: 11.4 %
 Specific Gravity of Soils *: 2.30
 Percent Oversize Particles: 0.0 %
 Est. Specific Gravity of Oversize*: 2.67

Corrected* Maximum Dry Density: 110.1 lb/cu. ft.
Corrected* Opt. Moisture Content: 11.4 %

**Corrected for oversize, when oversize particles exceed 5% of sample.

**Material was oversaturated at 13% moisture

Emily J. Rodriguez

Report Reviewed By:

*Specific Gravity of Soils Estimated and Specific Gravity of Oversize Estimated.

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PDF

Project: Quinton Quarry

Client PO: 111137487

Report To: Vulcan Materials Company
MidEast Division
250 New Pehle Ave.
Saddle Brook, NJ 07663
Attn: Morsia Thomas-Johnson

Received Date: 10/19/2022

Report Date: 11/23/2022

Deliverables: NJDEP-R

Lab ID: AD33991

Lab Project No: 2101912

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Hampton-Clarke to all parties shall not exceed Hampton-Clarke's total fee for analytical services rendered.


Sean Berls - Quality Assurance Officer

OR

Jean Revolus - Laboratory Director

NJ (07071)
PA (68-00463)

NY (ELAP11408)
KY (90124)

CT (PH-0671)



Hampton-Clarke Report Of Analysis

Client: Vulcan Materials Company

HC Project #: 2101912

Project: Quinton Quarry

Sample ID: Quinton Sand-01

Lab#: AD33991-001

Matrix: Soil/Encore

Collection Date: 10/19/2022

Receipt Date: 10/19/2022

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		97

Base Neutrals (no search) 8270

Analyte	DF	Units	RL	Result
Parathion	1	ug/kg		<342

Chlorinated Herbicides 8151

Analyte	DF	Units	RL	Result		
2,4,5-T	1	mg/kg	0.010	ND		
2,4-D	1	mg/kg	0.010	ND		
Dicamba	1	mg/kg	0.010	ND		
Silvex	1	mg/kg	0.010	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Dcaa-Surrogate	370.86	1000	25	138	37	
Dcaa-Surrogate	393.65	1000	25	138	39	

Cr (Hexavalent) dissolved 7196A

Analyte	DF	Units	RL	Result
Cr (Hexavalent)	1	mg/kg	0.82	ND

Cr3 (Trivalent)

Analyte	DF	Units	RL	Result
CR(Trivalent)	1	mg/kg	0.82	2.1

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.25	ND

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.086	ND

NJ EPH Category 2

Analyte	DF	Units	RL	Result		
C9-C40	1	mg/kg	62	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
O-Terphenyl	80.20	100	40	140	80	
1-Chlorooctadecane	66.23	100	40	140	66	

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0026	ND
Aldrin	1	mg/kg	0.0026	ND
Alpha-BHC	1	mg/kg	0.00052	ND
beta-BHC	1	mg/kg	0.00052	ND
Chlordane (Total)	1	mg/kg	0.0026	ND
delta-BHC	1	mg/kg	0.0026	ND
Dieldrin	1	mg/kg	0.00052	ND
Endosulfan I	1	mg/kg	0.0026	ND

Sample ID: Quinton Sand-01

Lab#: AD33991-001

Matrix: Soil/Encore

Collection Date: 10/19/2022

Receipt Date: 10/19/2022

Endosulfan II	1	mg/kg	0.0026	ND		
Endosulfan Sulfate	1	mg/kg	0.0026	ND		
Endrin	1	mg/kg	0.0026	ND		
Endrin Aldehyde	1	mg/kg	0.0026	ND		
Endrin Ketone	1	mg/kg	0.0026	ND		
gamma-BHC	1	mg/kg	0.00052	ND		
Heptachlor	1	mg/kg	0.0026	ND		
Heptachlor Epoxide	1	mg/kg	0.0026	ND		
Methoxychlor	1	mg/kg	0.0026	ND		
p,p'-DDD	1	mg/kg	0.0013	ND		
p,p'-DDE	1	mg/kg	0.0013	ND		
p,p'-DDT	1	mg/kg	0.0013	ND		
Toxaphene	1	mg/kg	0.013	ND		
γ-Chlordane	1	mg/kg	0.0026	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	100.04	100	37	141	100	
TCMX-Surrogate	92.75	100	37	141	93	
DCB-Surrogate	89.70	100	33	146	90	
DCB-Surrogate	94.65	100	33	146	95	

Oxidation-Reduction Potential

Analyte	DF	Units	RL	Result
Oxidation Reduction Potential	1	mv		270

PCB 8082

Analyte	DF	Units	RL	Result		
Aroclor (Total)	1	mg/kg	0.013	ND		
Aroclor-1016	1	mg/kg	0.013	ND		
Aroclor-1221	1	mg/kg	0.013	ND		
Aroclor-1232	1	mg/kg	0.013	ND		
Aroclor-1242	1	mg/kg	0.013	ND		
Aroclor-1248	1	mg/kg	0.013	ND		
Aroclor-1254	1	mg/kg	0.013	ND		
Aroclor-1260	1	mg/kg	0.013	ND		
Aroclor-1262	1	mg/kg	0.013	ND		
Aroclor-1268	1	mg/kg	0.013	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
TCMX-Surrogate	98.09	100	37	141	98	
TCMX-Surrogate	99.93	100	37	141	100	
DCB-Surrogate	97.67	100	34	146	98	
DCB-Surrogate	97.40	100	34	146	97	

PFAs EPA537 Mod 20 compounds

Analyte	DF	Units	RL	Result
See Attached	1	ug/kg		Attached

pH 9040C/9045D

Analyte	DF	Units	RL	Result
pH	1	ph		5.4
Temperature	1	c		24

Semivolatile Organics + 15 (8270)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.0089	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.0099	ND
1,2-Diphenylhydrazine	1	mg/kg	0.0083	ND
1,4-Dioxane	1	mg/kg	0.0098	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.013	ND
2,4,5-Trichlorophenol	1	mg/kg	0.020	ND
2,4,6-Trichlorophenol	1	mg/kg	0.018	ND

Sample ID: Quinton Sand-01

Lab#: AD33991-001

Matrix: Soil/Encore

Collection Date: 10/19/2022

Receipt Date: 10/19/2022

2,4-Dichlorophenol	1	mg/kg	0.011	ND
2,4-Dimethylphenol	1	mg/kg	0.019	ND
2,4-Dinitrophenol	1	mg/kg	0.10	ND
2,4-Dinitrotoluene	1	mg/kg	0.013	ND
2,6-Dinitrotoluene	1	mg/kg	0.011	ND
2-Chloronaphthalene	1	mg/kg	0.0088	ND
2-Chlorophenol	1	mg/kg	0.011	ND
2-Methylnaphthalene	1	mg/kg	0.0084	ND
2-Methylphenol	1	mg/kg	0.011	ND
2-Nitroaniline	1	mg/kg	0.010	ND
2-Nitrophenol	1	mg/kg	0.013	ND
3&4-Methylphenol	1	mg/kg	0.011	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.025	ND
3-Nitroaniline	1	mg/kg	0.0065	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.084	ND
4-Bromophenyl-phenylether	1	mg/kg	0.0095	ND
4-Chloro-3-methylphenol	1	mg/kg	0.010	ND
4-Chloroaniline	1	mg/kg	0.012	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.0090	ND
4-Nitroaniline	1	mg/kg	0.0081	ND
4-Nitrophenol	1	mg/kg	0.019	ND
Acenaphthene	1	mg/kg	0.0090	ND
Acenaphthylene	1	mg/kg	0.0081	ND
Acetophenone	1	mg/kg	0.010	ND
Aniline	1	mg/kg	0.012	ND
Anthracene	1	mg/kg	0.010	ND
Atrazine	1	mg/kg	0.0085	ND
Benzaldehyde	1	mg/kg	0.019	ND
Benzidine	1	mg/kg	0.099	ND
Benzo[a]anthracene	1	mg/kg	0.0083	ND
Benzo[a]pyrene	1	mg/kg	0.0092	ND
Benzo[b]fluoranthene	1	mg/kg	0.010	ND
Benzo[g,h,i]perylene	1	mg/kg	0.0091	ND
Benzo[k]fluoranthene	1	mg/kg	0.012	ND
Benzoic acid	1	mg/kg	3.8	ND
Benzyl alcohol	1	mg/kg	0.0088	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.0083	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.011	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.0090	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.31	ND
Butylbenzylphthalate	1	mg/kg	0.018	ND
Caprolactam	1	mg/kg	0.014	ND
Carbazole	1	mg/kg	0.0080	ND
Chrysene	1	mg/kg	0.010	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.010	ND
Dibenzofuran	1	mg/kg	0.0089	ND
Diethylphthalate	1	mg/kg	0.61	ND
Dimethylphthalate	1	mg/kg	0.0073	ND
Di-n-butylphthalate	1	mg/kg	0.82	ND
Di-n-octylphthalate	1	mg/kg	0.030	ND
Fluoranthene	1	mg/kg	0.0084	ND
Fluorene	1	mg/kg	0.0090	ND
Hexachlorobenzene	1	mg/kg	0.012	ND
Hexachlorobutadiene	1	mg/kg	0.0084	ND
Hexachlorocyclopentadiene	1	mg/kg	0.11	ND
Hexachloroethane	1	mg/kg	0.0083	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.011	ND
Isophorone	1	mg/kg	0.0089	ND
Naphthalene	1	mg/kg	0.0082	ND
Nitrobenzene	1	mg/kg	0.0080	ND
N-Nitrosodimethylamine	1	mg/kg	0.0093	ND

Sample ID: Quinton Sand-01

Lab#: AD33991-001

Matrix: Soil/Encore

Collection Date: 10/19/2022

Receipt Date: 10/19/2022

N-Nitroso-di-n-propylamine	1	mg/kg	0.0088	ND
N-Nitrosodiphenylamine	1	mg/kg	0.0084	ND
Pentachlorophenol	1	mg/kg	0.14	ND
Phenanthrene	1	mg/kg	0.012	ND
Phenol	1	mg/kg	0.011	ND
Pyrene	1	mg/kg	0.0080	ND

Semivolatile Organics + 15 (8270) Library Searches

Analyte	DF	Units	RT	Result
Ethane, 1,1,2-trichloro-	1	mg/kg	3.58	0.12JB
2-Pentanone, 4-hydroxy-4-methyl-	1	mg/kg	4.3	1.7JAB
Cyclopentane, propyl-	1	mg/kg	4.74	0.095J
unknown	1	mg/kg	5.06	0.31JB
Ethane, 1,1,2,2-tetrachloro-	1	mg/kg	5.11	0.20JB
unknown	1	mg/kg	5.19	0.088J
2-Hexene, 3,4,4-trimethyl-	1	mg/kg	5.32	0.17J
TotalSemiVolatileTic	1	mg/kg	NA	2.7J

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	100	360
Antimony	1	mg/kg	0.82	ND
Arsenic	1	mg/kg	0.21	0.62
Barium	1	mg/kg	1.0	ND
Beryllium	1	mg/kg	0.21	ND
Cadmium	1	mg/kg	0.41	ND
Calcium	1	mg/kg	100	ND
Chromium	1	mg/kg	0.41	2.1
Cobalt	1	mg/kg	0.41	ND
Copper	1	mg/kg	2.1	ND
Iron	1	mg/kg	100	2000
Lead	1	mg/kg	0.41	0.49
Magnesium	1	mg/kg	100	ND
Manganese	1	mg/kg	1.2	1.4
Nickel	1	mg/kg	0.62	ND
Potassium	1	mg/kg	100	ND
Selenium	1	mg/kg	2.1	ND
Silver	1	mg/kg	0.21	ND
Sodium	1	mg/kg	100	ND
Thallium	1	mg/kg	0.41	ND
Vanadium	1	mg/kg	0.21	1.1
Zinc	1	mg/kg	4.1	ND

Volatile Organics + 15 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.09	mg/kg	0.0012	ND
1,1,2,2-Tetrachloroethane	1.09	mg/kg	0.0016	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.09	mg/kg	0.0017	ND
1,1,2-Trichloroethane	1.09	mg/kg	0.0017	ND
1,1-Dichloroethane	1.09	mg/kg	0.0017	ND
1,1-Dichloroethene	1.09	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	1.09	mg/kg	0.0014	ND
1,2,3-Trichloropropane	1.09	mg/kg	0.0016	ND
1,2,4-Trichlorobenzene	1.09	mg/kg	0.0011	ND
1,2,4-Trimethylbenzene	1.09	mg/kg	0.0010	ND
1,2-Dibromo-3-chloropropane	1.09	mg/kg	0.0016	ND
1,2-Dibromoethane	1.09	mg/kg	0.00073	ND
1,2-Dichlorobenzene	1.09	mg/kg	0.0014	ND
1,2-Dichloroethane	1.09	mg/kg	0.0019	ND
1,2-Dichloropropane	1.09	mg/kg	0.0015	ND

Sample ID: Quinton Sand-01

Lab#: AD33991-001

Matrix: Soil/Encore

Collection Date: 10/19/2022

Receipt Date: 10/19/2022

1,3,5-Trimethylbenzene	1.09	mg/kg	0.00086	ND
1,3-Dichlorobenzene	1.09	mg/kg	0.0011	ND
1,3-Dichloropropane	1.09	mg/kg	0.0014	ND
1,4-Dichlorobenzene	1.09	mg/kg	0.0013	ND
1,4-Dioxane	1.09	mg/kg	0.084	ND
2-Butanone	1.09	mg/kg	0.0012	ND
2-Hexanone	1.09	mg/kg	0.0012	ND
4-Isopropyltoluene	1.09	mg/kg	0.0012	ND
4-Methyl-2-pentanone	1.09	mg/kg	0.0018	ND
Acetone	1.09	mg/kg	0.0091	ND
Acrolein	1.09	mg/kg	0.0097	ND
Acrylonitrile	1.09	mg/kg	0.0018	ND
Benzene	1.09	mg/kg	0.00097	ND
Bromochloromethane	1.09	mg/kg	0.0016	ND
Bromodichloromethane	1.09	mg/kg	0.0015	ND
Bromoform	1.09	mg/kg	0.0019	ND
Bromomethane	1.09	mg/kg	0.0015	ND
Carbon disulfide	1.09	mg/kg	0.0018	ND
Carbon tetrachloride	1.09	mg/kg	0.0014	ND
Chlorobenzene	1.09	mg/kg	0.0016	ND
Chloroethane	1.09	mg/kg	0.0016	ND
Chloroform	1.09	mg/kg	0.0015	ND
Chloromethane	1.09	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1.09	mg/kg	0.0014	ND
cis-1,3-Dichloropropene	1.09	mg/kg	0.0014	ND
Cyclohexane	1.09	mg/kg	0.0014	ND
Dibromochloromethane	1.09	mg/kg	0.0016	ND
Dichlorodifluoromethane	1.09	mg/kg	0.0020	ND
Ethylbenzene	1.09	mg/kg	0.0011	ND
Isopropylbenzene	1.09	mg/kg	0.00091	ND
m&p-Xylenes	1.09	mg/kg	0.0016	ND
Methyl Acetate	1.09	mg/kg	0.0018	ND
Methylcyclohexane	1.09	mg/kg	0.0015	ND
Methylene chloride	1.09	mg/kg	0.0015	ND
Methyl-t-butyl ether	1.09	mg/kg	0.00091	ND
n-Butylbenzene	1.09	mg/kg	0.0010	ND
n-Propylbenzene	1.09	mg/kg	0.0010	ND
o-Xylene	1.09	mg/kg	0.00076	ND
sec-Butylbenzene	1.09	mg/kg	0.0011	ND
Styrene	1.09	mg/kg	0.0013	ND
t-Butyl Alcohol	1.09	mg/kg	0.010	ND
t-Butylbenzene	1.09	mg/kg	0.00086	ND
Tetrachloroethene	1.09	mg/kg	0.0019	ND
Toluene	1.09	mg/kg	0.00084	ND
trans-1,2-Dichloroethene	1.09	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	1.09	mg/kg	0.0017	ND
Trichloroethene	1.09	mg/kg	0.0017	ND
Trichlorofluoromethane	1.09	mg/kg	0.0018	ND
Vinyl chloride	1.09	mg/kg	0.0018	ND
Xylenes (Total)	1.09	mg/kg	0.00076	ND

Volatile Organics + 15 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1.09	mg/kg	NA	ND
TotalVolatileTic	1.09	mg/kg	NA	ND

Hampton-Clarke, Inc. (WBE/DBE/SBE) 175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004 Ph: 800-426-9992 973-244-9770 Fax: 973-244-9787 973-439-1458 Service Center: 137-D Gailher Drive, Mount Laurel, New Jersey 08054 Ph (Service Center): 856-780-6057 Fax: 856-780-6056 NELAC/NJ #07071 PA #68-00463 NY #11408 CT #PH-0671 KY #90124 DE HSCA Approved		CHAIN OF CUSTODY RECORD Hampton-Clarke WBE/DBE/SBE 800-426-9992		Project# (Lab Use Only) <u>210912</u> Page <u>1</u> of <u>1</u>	
Customer Information 1a) Customer: Vulcan Material Company-Mideast Division Address: 250 New Pehle Ave Saddle Brook, NJ 07663 1b) Email/Cell/Fax/Ph: 201-753-1583 1c) Send Invoice to: thomas-johnsonm@vymomail.com 1d) Send Report to: Morsia			Project Information 2a) Project: Quinton Quarry 2b) Project Mgr: Morsia Thomas-Johnson 2c) Project Location (City/State): Quinton, NJ 2d) Quote/PO # (if Applicable): 111137487		
Matrix Codes DW - Drinking Water S - Soil A - Air GW - Ground Water SL - Sludge WW - Waste Water OL - Oil OT - Other (please specify under item 9, Comments)			7) Analysis (specify methods & parameter lists)		
FOR LAB USE ONLY Batch # <u>AD53991</u> Lab Sample # <u>201</u>			8) # of Bottles None 3 MeOH En Core NaOH HCl H2SO4 HNO3		
9) Comments			9) Comments		
10) Relinquished by:			10) Relinquished by:		
11) Sampler (print name): Dale Baker -HCL			11) Sampler (print name): Dale Baker -HCL		
Additional Notes: VOA & BNA Compounds- TCUSRS/Part 375NY Pest Final VOL 5mL			Additional Notes: VOA & BNA Compounds- TCUSRS/Part 375NY Pest Final VOL 5mL		

FSP# 2210143

SGS North America Inc.

Report of Analysis

Page 1 of 2

Client Sample ID:	AD33991-001 QUINTON SAND-01	Date Sampled:	10/19/22
Lab Sample ID:	JD54252-1	Date Received:	10/21/22
Matrix:	SO - Soil	Percent Solids:	97.2
Method:	EPA 537M BY ID IN HOUSE		
Project:	Project# 2101912		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Q96610.D	1	11/16/22 05:59	AFL	11/01/22 09:00	F:OP93852	F:SQ2070
Run #2							

Run #	Initial Weight	Final Volume
Run #1	2.04 g	1.0 ml
Run #2		

PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	ND	1.0	0.38	ug/kg	
2706-90-3	Perfluoropentanoic acid	ND	0.50	0.25	ug/kg	
307-24-4	Perfluorohexanoic acid	ND	0.50	0.25	ug/kg	
375-85-9	Perfluoroheptanoic acid	ND	0.50	0.25	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	0.50	0.25	ug/kg	
375-95-1	Perfluorononanoic acid	ND	0.50	0.25	ug/kg	
335-76-2	Perfluorodecanoic acid	ND	0.50	0.25	ug/kg	
2058-94-8	Perfluoroundecanoic acid	ND	0.50	0.25	ug/kg	
307-55-1	Perfluorododecanoic acid	ND	0.50	0.25	ug/kg	
72629-94-8	Perfluorotridecanoic acid	ND	0.50	0.27	ug/kg	
376-06-7	Perfluorotetradecanoic acid	ND	0.50	0.25	ug/kg	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	ND	0.50	0.25	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	0.50	0.25	ug/kg	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.50	0.25	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.50	0.20	ug/kg	
335-77-3	Perfluorodecanesulfonic acid	ND	0.50	0.25	ug/kg	
PERFLUOROOCTANESULFONAMIDES						
754-91-6	PFOSA	ND	0.50	0.25	ug/kg	
PERFLUOROOCTANESULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	1.0	0.50	ug/kg	
2991-50-6	EtFOSAA	ND	1.0	0.50	ug/kg	
FLUOROTELOMER SULFONATES						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	1.0	0.25	ug/kg	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AD33991-001 QUINTON SAND-01	Date Sampled:	10/19/22
Lab Sample ID:	JD54252-1	Date Received:	10/21/22
Matrix:	SO - Soil	Percent Solids:	97.2
Method:	EPA 537M BY ID IN HOUSE		
Project:	Project# 2101912		

PFAS List

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	102%		40-140%
	13C5-PFPeA	103%		50-150%
	13C5-PFHxA	104%		50-150%
	13C4-PFHpA	106%		50-150%
	13C8-PFOA	108%		50-150%
	13C9-PFNA	102%		50-150%
	13C6-PFDA	100%		50-150%
	13C7-PFUnDA	98%		40-140%
	13C2-PFDoDA	96%		40-140%
	13C2-PFTeDA	100%		30-130%
	13C3-PFBS	106%		50-150%
	13C3-PFHxS	114%		50-150%
	13C8-PFOS	105%		50-150%
	13C8-FOSA	119%		30-130%
	d3-MeFOSAA	73%		40-140%
	d5-EtFOSAA	75%		40-140%
	13C2-6:2FTS	101%		50-150%
	13C2-8:2FTS	97%		50-150%

(a) Analysis performed at SGS Orlando, FL.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

ANALYTICAL RESULTS

Project: AD33991-001 10/19

Pace Project No.: 70234207

Sample: AD33991-001/QUINTON **Lab ID:** 70234207001 **Collected:** 10/19/22 09:05 **Received:** 10/21/22 12:15 **Matrix:** Solid
SAND-01

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV								
Analytical Method: EPA 8270E Preparation Method: EPA 3545A								
Pace Analytical Services - Melville								
Parathion (Ethyl parathion)	<342	ug/kg	342	1	10/24/22 12:50	10/26/22 17:02	56-38-2	R1
Surrogates								
Nitrobenzene-d5 (S)	66	%	30-84	1	10/24/22 12:50	10/26/22 17:02	4165-60-0	
2-Fluorobiphenyl (S)	63	%	35-92	1	10/24/22 12:50	10/26/22 17:02	321-60-8	
p-Terphenyl-d14 (S)	99	%	46-107	1	10/24/22 12:50	10/26/22 17:02	1718-51-0	
Phenol-d5 (S)	69	%	30-88	1	10/24/22 12:50	10/26/22 17:02	4165-62-2	
2-Fluorophenol (S)	70	%	26-86	1	10/24/22 12:50	10/26/22 17:02	367-12-4	
2,4,6-Tribromophenol (S)	67	%	28-112	1	10/24/22 12:50	10/26/22 17:02	118-79-6	
2-Chlorophenol-d4 (S)	70	%	27-84	1	10/24/22 12:50	10/26/22 17:02	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	27	%	14-79	1	10/24/22 12:50	10/26/22 17:02	2199-69-1	
Percent Moisture								
Analytical Method: ASTM D2216-05M								
Pace Analytical Services - Melville								
Percent Moisture	3.8	%	0.10	1		10/24/22 13:51		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

	Could Not evaluate result .. Verify manually
	Result exceeds at least one criterion
	Positive result detected below all criteria

NYDOH STD

CLIENT ID:
LAB ID:
COLLECTION DATE:
SAMPLE MATRIX:
SAMPLE UNITS:

Quinton Sand-01
AD33991-001
10/19/2022
Soil/Encore
mg/Kg

CAS#	Analyte	NY Soil TAGM mg/Kg	NY SCC mg/Kg	Part375 Restricted mg/Kg	Part375 Unrestricted mg/Kg	Commercial mg/Kg	Result	RL	MDL
Herbicides									
93-76-5	2,4,5-T	NA	NA	NA	NA	NA	ND	0.010	
94-75-7	2,4-D	NA	NA	NA	NA	NA	ND	0.010	
1918-00-9	Dicamba	NA	NA	NA	NA	NA	ND	0.010	
93-72-1	Silvex	NA	NA	100	3.8	500	ND	0.010	
Metals									
CR3	CR(Trivalent)	NA	NA	180	30	1,500	2.1	0.82	
7439-97-6	Mercury	0.1	0.18	0.81	0.18	2.8	ND	0.086	
7429-90-5	Aluminum	SB	NA	NA	NA	NA	360	100	
7440-36-0	Antimony	SB	NA	NA	NA	NA	ND	0.82	
7440-38-2	Arsenic	7.5 or SB	13	16	13	16	0.62	0.21	
7440-39-3	Barium	300 or SB	350	400	350	400	ND	1.0	
7440-41-7	Beryllium	0.16 or SB	7.2	72	7.2	590	ND	0.21	
7440-43-9	Cadmium	1.0 or SB	2.5	4.3	2.5	9.3	ND	0.41	
7440-70-2	Calcium	SB	NA	NA	NA	NA	ND	100	
7440-47-3	Chromium	10 or SB	30	110	1	400	2.1	0.41	
7440-48-4	Cobalt	30 or SB	NA	NA	NA	NA	ND	0.41	
7440-50-8	Copper	25 or SB	50	270	50	270	ND	2.1	
7439-89-6	Iron	2000 or SB	NA	NA	NA	NA	2,000	100	
7439-92-1	Lead	Note Pb	63	400	63	1,000	0.49	0.41	
7439-95-4	Magnesium	SB	NA	NA	NA	NA	ND	100	
7439-96-5	Manganese	SB	1600	2,000	1,600	10,000	1.4	1.2	
7440-02-0	Nickel	13 or SB	30	310	30	310	ND	0.62	
7440-09-7	Potassium	SB	NA	NA	NA	NA	ND	100	
7782-49-2	Selenium	2.0 or SB	3.9	180	3.9	1,500	ND	2.1	
7440-22-4	Silver	SB	2	180	2	1,500	ND	0.21	
7440-23-5	Sodium	SB	NA	NA	NA	NA	ND	100	
7440-28-0	Thallium	SB	NA	NA	NA	NA	ND	0.41	
7440-62-2	Vanadium	150 or SB	NA	NA	NA	NA	1.1	0.21	
7440-66-6	Zinc	20 or SB	109	10,000	109	10,000	ND	4.1	
PCBs									
1336-36-3	Aroclor (Total)	NA	NA	1	0.1	1	ND	0.013	
12674-11-2	Aroclor-1016	SEE BELOW	0.1	1	0.1	1	ND	0.013	
11104-28-2	Aroclor-1221	SEE BELOW	0.1	1	0.1	1	ND	0.013	
11141-16-5	Aroclor-1232	SEE BELOW	0.1	1	0.1	1	ND	0.013	
53469-21-9	Aroclor-1242	SEE BELOW	0.1	1	0.1	1	ND	0.013	
12672-29-6	Aroclor-1248	SEE BELOW	0.1	1	0.1	1	ND	0.013	
11097-69-1	Aroclor-1254	SEE BELOW	0.1	1	0.1	1	ND	0.013	
11096-82-5	Aroclor-1260	SEE BELOW	0.1	1	0.1	1	ND	0.013	
37324-23-5	Aroclor-1262	SEE BELOW	0.1	1	0.1	1	ND	0.013	
11100-14-4	Aroclor-1268	NA	NA	1	0.1	1	ND	0.013	
Pesticides									
5103-71-9	a-Chlordane	NA	NA	4.2	0.094	24	ND	0.0026	
309-00-2	Aldrin	0.041	0.005	0.097	0.005	0.68	ND	0.0026	
319-84-6	Alpha-BHC	0.11	0.02	0.48	0.02	3.4	ND	0.00052	
319-85-7	beta-BHC	0.2	0.036	0.36	0.036	3	ND	0.00052	
57-74-9	Chlordane (Total)	0.54	NA	4.2	0.094	24	ND	0.0026	
319-86-8	delta-BHC	0.3	0.04	100	0.04	500	ND	0.0026	
60-57-1	Dieldrin	0.044	0.005	0.2	0.005	1.4	ND	0.00052	
959-98-8	Endosulfan I	0.9	2.4	24	2.4	200	ND	0.0026	
33213-65-9	Endosulfan II	0.9	2.4	24	2.4	200	ND	0.0026	
1031-07-8	Endosulfan Sulfate	1	2.4	24	2.4	200	ND	0.0026	
72-20-8	Endrin	0.1	0.014	11	0.014	89	ND	0.0026	
7421-93-4	Endrin Aldehyde	NA	NA	NA	NA	NA	ND	0.0026	
53494-70-5	Endrin Ketone	NA	NA	NA	NA	NA	ND	0.0026	
58-89-9	gamma-BHC	0.06	0.1	1.3	0.1	9.2	ND	0.00052	
76-44-8	Heptachlor	0.1	0.042	2.1	0.042	15	ND	0.0026	
1024-57-3	Heptachlor Epoxide	0.02	NA	NA	NA	NA	ND	0.0026	
72-43-5	Methoxychlor	10	NA	NA	NA	NA	ND	0.0026	
72-54-8	p,p'-DDD	2.9	0.0033	13	0.0033	92	ND	0.0013	
72-55-9	p,p'-DDE	2.1	0.0033	8.9	0.0033	62	ND	0.0013	
50-29-3	p,p'-DDT	2.1	0.0033	7.9	0.0033	47	ND	0.0013	
8001-35-2	Toxaphene	NA	NA	NA	NA	NA	ND	0.013	
5103-74-2	gamma-Chlordane	NA	NA	4.2	0.094	24	ND	0.0026	
SemiVolatiles									
298-00-0	Parathion	NA	NA	NA	NA	NA	0.34	0.34	
TOTSEMITIC	:TotalSemiVolatileTic	NA	NA	NA	NA	NA	2.7J	NA	
92-52-4	1,1'-Biphenyl	NA	NA	NA	NA	NA	ND	0.034	0.0089
95-94-3	1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	ND	0.034	0.0099
122-66-7	1,2-Diphenylhydrazine	NA	NA	NA	NA	NA	ND	0.034	0.0083
123-91-1	1,4-Dioxane	NA	0.1	13	0.1	130	ND	0.0098	0.0098
58-90-2	2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	ND	0.034	0.013
95-95-4	2,4,5-Trichlorophenol	0.1	NA	NA	NA	NA	ND	0.034	0.020
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND	0.034	0.018
120-83-2	2,4-Dichlorophenol	0.4	NA	NA	NA	NA	ND	0.011	0.011

105-67-9	2,4-Dimethylphenol	NA	NA	NA	NA	NA	ND	0.019	0.019
51-28-5	2,4-Dinitrophenol	0.200 (M)	NA	NA	NA	NA	ND	0.17	0.10
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	NA	NA	ND	0.034	0.013
606-20-2	2,6-Dinitrotoluene	1	NA	NA	NA	NA	ND	0.034	0.011
91-58-7	2-Chloronaphthalene	NA	NA	NA	NA	NA	ND	0.034	0.0088
95-57-8	2-Chlorophenol	0.8	NA	NA	NA	NA	ND	0.034	0.011
91-57-6	2-Methylnaphthalene	36.4	NA	NA	NA	NA	ND	0.034	0.0084
95-48-7	2-Methylphenol	0.100 (M)	0.33	100	0.33	500	ND	0.011	0.011
88-74-4	2-Nitroaniline	0.430 (M)	NA	NA	NA	NA	ND	0.034	0.010
88-75-5	2-Nitrophenol	0.330 (M)	NA	NA	NA	NA	ND	0.034	0.013
106-44-5	3&4-Methylphenol	0.9	0.33	100	0.33	500	ND	0.011	0.011
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	ND	0.034	0.025
99-09-2	3-Nitroaniline	0.500 (M)	NA	NA	NA	NA	ND	0.034	0.0065
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	ND	0.17	0.084
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	ND	0.034	0.0095
59-50-7	4-Chloro-3-methylphenol	0.240 (M)	NA	NA	NA	NA	ND	0.034	0.010
106-47-8	4-Chloroaniline	0.220 (M)	NA	NA	NA	NA	ND	0.012	0.012
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	ND	0.034	0.0090
100-01-6	4-Nitroaniline	NA	NA	NA	NA	NA	ND	0.034	0.0081
100-02-7	4-Nitrophenol	0.100 (M)	NA	NA	NA	NA	ND	0.034	0.019
83-32-9	Acenaphthene	50	20	100	20	500	ND	0.034	0.0090
208-96-8	Acenaphthylene	41	100	100	100	500	ND	0.034	0.0081
98-86-2	Acetophenone	NA	NA	NA	NA	NA	ND	0.034	0.010
62-53-3	Aniline	0.1	NA	100	NA	500	ND	0.012	0.012
120-12-7	Anthracene	50	100	100	100	500	ND	0.034	0.010
1912-24-9	Atrazine	NA	NA	NA	NA	NA	ND	0.034	0.0085
100-52-7	Benzaldehyde	NA	NA	NA	NA	NA	ND	0.034	0.019
92-87-5	Benidine	NA	NA	NA	NA	NA	ND	0.099	0.099
56-55-3	Benzo[a]anthracene	0.224 (M)	1	1	1	5.6	ND	0.034	0.0083
50-32-8	Benzo[a]pyrene	0.061 (M)	1	1	1	1	ND	0.034	0.0092
205-99-2	Benzo[b]fluoranthene	1.1	1	1	1	5.6	ND	0.034	0.010
191-24-2	Benzo[g,h,i]perylene	50	100	100	100	500	ND	0.034	0.0091
207-08-9	Benzo[k]fluoranthene	1.1	0.8	3.9	0.8	56	ND	0.034	0.012
65-85-0	Benzoic acid	2.7	NA	NA	NA	NA	ND	3.8	3.8
100-51-6	Benzyl alcohol	NA	NA	NA	NA	NA	ND	0.034	0.0088
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	ND	0.034	0.0083
111-44-4	bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	ND	0.011	0.011
108-60-1	bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	ND	0.034	0.0090
117-81-7	bis(2-Ethylhexyl)phthalate	50	NA	NA	NA	NA	ND	0.31	0.31
85-68-7	Butylbenzylphthalate	50	NA	NA	NA	NA	ND	0.034	0.018
105-60-2	Caprolactam	NA	NA	NA	NA	NA	ND	0.034	0.014
86-74-8	Carbazole	NA	NA	NA	NA	NA	ND	0.034	0.0080
218-01-9	Chrysene	0.4	1	3.9	1	56	ND	0.034	0.010
53-70-3	Dibenzo[a,h]anthracene	0.014 (M)	0.33	0.33	0.33	0.56	ND	0.034	0.010
132-64-9	Dibenzofuran	6.2	7	59	7	350	ND	0.0089	0.0089
84-66-2	Diethylphthalate	7.1	NA	NA	NA	NA	ND	0.61	0.61
131-11-3	Dimethylphthalate	2	NA	NA	NA	NA	ND	0.034	0.0073
84-74-2	Di-n-butylphthalate	8.1	NA	NA	NA	NA	ND	0.82	0.82
117-84-0	Di-n-octylphthalate	50	NA	NA	NA	NA	ND	0.034	0.030
206-44-0	Fluoranthene	50	100	100	100	500	ND	0.034	0.0084
86-73-7	Fluorene	50	30	100	30	500	ND	0.034	0.0090
118-74-1	Hexachlorobenzene	0.41	0.33	1.2	0.33	6	ND	0.034	0.012
87-68-3	Hexachlorobutadiene	NA	NA	NA	NA	NA	ND	0.034	0.0084
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	ND	0.11	0.11
67-72-1	Hexachloroethane	NA	NA	NA	NA	NA	ND	0.034	0.0083
193-39-5	Indeno[1,2,3-cd]pyrene	3.2	0.5	0.5	0.5	5.6	ND	0.034	0.011
78-59-1	Isophorone	4.4	NA	NA	NA	NA	ND	0.034	0.0089
91-20-3	Naphthalene	13	12	100	12	500	ND	0.0086	0.0082
98-95-3	Nitrobenzene	0.200 (M)	NA	15	NA	69	ND	0.034	0.0080
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	NA	NA	ND	0.034	0.0093
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	ND	0.0088	0.0088
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	ND	0.034	0.0084
87-86-5	Pentachlorophenol	1.00 (M)	0.8	6.7	0.8	6.7	ND	0.17	0.14
85-01-8	Phenanthrene	50	100	100	100	500	ND	0.034	0.012
108-95-2	Phenol	0.03 (M)	0.33	100	0.33	500	ND	0.034	0.011
129-00-0	Pyrene	50	100	100	100	500	ND	0.034	0.0080
Subcontract									
See Attached		NA	NA	NA	NA	NA	Attached		
TPH									
EPHC9C40	C9-C40	NA	NA	NA	NA	NA	ND	62	
Volatiles									
TOTVOLTIC	:TotalVolatileTic	NA	NA	NA	NA	NA	ND	NA	
71-55-6	1,1,1-Trichloroethane	0.8	0.68	100	0.68	500	ND	0.0022	0.0012
79-34-5	1,1,2,2-Tetrachloroethane	0.6	NA	NA	NA	NA	ND	0.0022	0.0016
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	ND	0.0022	0.0017
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	NA	NA	ND	0.0022	0.0017
75-34-3	1,1-Dichloroethane	0.2	0.27	26	0.27	240	ND	0.0022	0.0017
75-35-4	1,1-Dichloroethene	0.4	0.33	100	0.33	500	ND	0.0022	0.0020
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	ND	0.0022	0.0014
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	NA	NA	ND	0.0022	0.0016
120-82-1	1,2,4-Trichlorobenzene	3.4	NA	NA	NA	NA	ND	0.0022	0.0011
95-63-6	1,2,4-Trimethylbenzene	NA	3.6	52	3.6	190	ND	0.0011	0.0010
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	ND	0.0022	0.0016
106-93-4	1,2-Dibromoethane	NA	NA	NA	NA	NA	ND	0.00073	0.00073
95-50-1	1,2-Dichlorobenzene	7.9	1.1	100	1.1	500	ND	0.0022	0.0014
107-06-2	1,2-Dichloroethane	0.1	0.02	3.1	0.02	30	ND	0.0019	0.0019
78-87-5	1,2-Dichloropropane	NA	NA	NA	NA	NA	ND	0.0022	0.0015

108-67-8	1,3,5-Trimethylbenzene	NA	8.4	52	8.4	190	ND	0.0011	0.00086
541-73-1	1,3-Dichlorobenzene	1.6	2.4	49	2.4	280	ND	0.0022	0.0011
142-28-9	1,3-Dichloropropane	NA	NA	NA	NA	NA	ND	0.0022	0.0014
106-46-7	1,4-Dichlorobenzene	8.5	1.8	13	1.8	130	ND	0.0022	0.0013
123-91-1	1,4-Dioxane	NA	0.1	13	0.1	130	ND	0.11	0.084
78-93-3	2-Butanone	0.3	0.12	100	0.12	500	ND	0.0022	0.0012
591-78-6	2-Hexanone	NA	NA	NA	NA	NA	ND	0.0022	0.0012
99-87-6	4-Isopropyltoluene	NA	NA	NA	10	NA	ND	0.0012	0.0012
108-10-1	4-Methyl-2-pentanone	1	NA	NA	NA	NA	ND	0.0022	0.0018
67-64-1	Acetone	0.2	0.05	100	0.05	500	ND	0.011	0.0091
107-02-8	Acrolein	NA	NA	NA	NA	NA	ND	0.011	0.0097
107-13-1	Acrylonitrile	NA	NA	NA	NA	NA	ND	0.0022	0.0018
71-43-2	Benzene	0.06	0.06	4.8	0.06	44	ND	0.0011	0.00097
74-97-5	Bromochloromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0016
75-27-4	Bromodichloromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0015
75-25-2	Bromoform	NA	NA	NA	NA	NA	ND	0.0022	0.0019
74-83-9	Bromomethane	NA	NA	NA	NA	NA	ND	0.0022	0.0015
75-15-0	Carbon disulfide	2.7	NA	NA	NA	NA	ND	0.0022	0.0018
56-23-5	Carbon tetrachloride	0.6	0.76	2.4	0.76	22	ND	0.0022	0.0014
108-90-7	Chlorobenzene	1.7	1.1	100	1.1	500	ND	0.0022	0.0016
75-00-3	Chloroethane	1.9	NA	NA	NA	NA	ND	0.0022	0.0016
67-66-3	Chloroform	0.3	0.37	49	0.37	350	ND	0.0022	0.0015
74-87-3	Chloromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0022
156-59-2	cis-1,2-Dichloroethene	NA	0.25	100	0.25	500	ND	0.0022	0.0014
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND	0.0022	0.0014
110-82-7	Cyclohexane	NA	NA	NA	NA	NA	ND	0.0022	0.0014
124-48-1	Dibromochloromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0016
75-71-8	Dichlorodifluoromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0020
100-41-4	Ethylbenzene	5.5	1	41	1	390	ND	0.0011	0.0011
98-82-8	Isopropylbenzene	NA	NA	NA	2.3	NA	ND	0.0011	0.00091
179601-23-1	m&p-Xylenes	1.2	0.26	100	0.26	500	ND	0.0016	0.0016
79-20-9	Methyl Acetate	NA	NA	NA	NA	NA	ND	0.0022	0.0018
108-87-2	Methylcyclohexane	NA	NA	NA	NA	NA	ND	0.0022	0.0015
75-09-2	Methylene chloride	0.1	0.05	100	0.05	500	ND	0.0022	0.0015
1634-04-4	Methyl-t-butyl ether	NA	0.93	100	0.93	500	ND	0.0011	0.00091
104-51-8	n-Butylbenzene	NA	12	100	12	500	ND	0.0011	0.0010
103-65-1	n-Propylbenzene	NA	3.9	100	3.9	500	ND	0.0011	0.0010
95-47-6	o-Xylene	1.2	0.26	100	0.26	500	ND	0.0011	0.00076
135-98-8	sec-Butylbenzene	NA	11	100	11	500	ND	0.0011	0.0011
100-42-5	Styrene	NA	NA	NA	NA	NA	ND	0.0022	0.0013
75-65-0	t-Butyl Alcohol	NA	NA	NA	NA	NA	ND	0.011	0.010
98-06-6	t-Butylbenzene	NA	NA	100	5.9	500	ND	0.0011	0.00086
127-18-4	Tetrachloroethene	1.4	1.3	19	1.3	150	ND	0.0022	0.0019
108-88-3	Toluene	1.5	0.7	100	0.7	500	ND	0.0011	0.00084
156-60-5	trans-1,2-Dichloroethene	0.3	0.19	100	0.19	500	ND	0.0022	0.0019
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND	0.0022	0.0017
79-01-6	Trichloroethene	0.7	0.47	21	0.47	200	ND	0.0022	0.0017
75-69-4	Trichlorofluoromethane	NA	NA	NA	NA	NA	ND	0.0022	0.0018
75-01-4	Vinyl chloride	0.2	0.02	0.9	0.02	13	ND	0.0022	0.0018
1330-20-7	Xylenes (Total)	NA	NA	100	0.26	500	ND	0.0011	0.00076
Wet Chemistry									
PERSOL	% Solids	NA	NA	NA	NA	NA	97(Percent)		
57-12-5	Cyanide	NA	27	27	27	27	ND	0.25	
	Oxidation Reduction Potential	NA	NA	NA	NA	NA	270(MV)		
PH	pH	NA	NA	NA	NA	NA	5.4(PH)		
	Temperature	NA	NA	NA	NA	NA	24(C)		
18540-29-9	Cr (Hexavalent)	NA	NA	110	1	400	ND	0.82	

*Disclaimer: Regulatory values are based upon information published by the New York DEC.

HC-V assumes no legal responsibility for the accuracy of the regulatory values or subsequent updates of values.

Footnotes

NY Soil Criteria in PPM unless otherwise noted

NY Water criteria in ug/L (PPB) unless otherwise noted

*NEW YORK (TAGM) -- as per Department of Environmental Conservation.

Values are based upon TAGM 4046 dated 1/24/94. Gasoline and Fuel Oil recommended soil cleanup objectives may be different based upon the 12/20/00 memo. PCB's 1.0ppm for surface, 10ppm for subsurface Total Vo < 10ppm. See regulation for soil organic content guidance. < 10ppm, Total SemiVo > < 500ppm, Individual SemiVo Compound > M = concentration listed or MDL

Background levels for Lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 PPM.

Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 PPM.

*SCC -- Based upon NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Clean-up Objectives, December 14, 2006, Unrestricted Use

-NYDEC 703.5 Water Quality Standards for taste-, color-and odor-producing, toxic & other deleterious substances

(GA standard), including January 17 2008 revisions

-NYDEC 703.6 Groundwater effluent limitations for discharges to class GA waters, including January 17, 2008 revisions

-All principal organic contaminants as defined in section 700.1 have a standard of 5ppb

-NYDEC section 700 Phenolic compounds limit applies to the sum of the substances

-NYDEC section 700 PCB limit applies to the sum of the substances.

-NYDEC section 700 Trichlorobenzene limits apply to the sum of the substances + B133:B153

-Mn & Fe shall not exceed 1,000 for NYDEC 703.6

-Mn & Fe shall not exceed 500 for NYDEC 703.5

Unrestricted Use Footnotes

All soil cleanup objectives (SCOs) are in parts per million (ppm).

a) The SCOs for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), section 9.3.

b) For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

c) For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

- d) SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.
- e) The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
- f) Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

Restricted use footnotes

All soil cleanup objectives (SCOs) are in parts per million (ppm). NS=Not specified. See Technical Support Document (TSD). Footnotes

- a) The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.
- b) The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.
- c) The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.
- d) The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.
- e) For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.
- f) For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
- g) This SCO is derived from data on mixed isomers of BHC.
- h) The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO
- i) This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.
- j) This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin, sand as part of the proposed waterfront development work. A portion of this work occurs within the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source, and no more than 8.5% of this material passes through the #80 sieve. In accordance with NYSDEC DER-10, Section 5.5, no chemical testing is required for this material.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The attached analysis confirms no more than 8.5% of this material passes through the #80 sieve.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Vulcan Materials Company

Location where fill was obtained:

Hamburg Stone Quarry

Identification of any state or local approvals as a fill source:

NYSDOT (#8-48R)

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Virgin Source certification and gradation report.

The information provided on this form is accurate and complete.

Brian P. Morrissey

Signature

10/4/2022

Date

Brian Morrissey, P.E.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm





Trevcon Construction Co., Inc.

125 Maiden Lane, Suite 306 • New York, NY 10038
Telephone: (212) 785-0439 • Fax: (212) 785-0475
www.trevcon.com

1 Java Street - Lendlease - Project #263851 Brooklyn, New York

This Submittal has been checked by this GC. It is certified correct, complete and in conformance with Contract Drawings and Specifications.	
Submittal No/Rev: Submittal 024rev1 - Fill Product	Date: 9/28/2022
Spec Section: Data 31 00 00 - Earthwork	Paragraph: N/A
Drawing No: MR-400	Prepared: Mariana Pires
Subcontractor: N/A	Supplier: Vulcan Materials
Fabricator: N/A	
Engineer: McLaren Engineering Group	CM: Lendlease
Deviations: N/A	Owner: 1 Java Owner LLC

Note: Submittal to address DEC fill requirements.

M. G. McLAREN ENGINEERING AND LAND SURVEYING, P.C.											
Submission has been checked only for general conformance with design concept of the project. Comments made on submittals do not relieve the contractor from compliance with requirements of the contract documents. Contractor is responsible for dimensions to be confirmed and correct at the job site, for information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all trades.	<table border="1"><thead><tr><th colspan="2">Action</th></tr></thead><tbody><tr><td>Submission is in general conformance with design concept.</td><td>X</td></tr><tr><td>Submission is in general conformance with design concept, except as noted.</td><td></td></tr><tr><td>Revise and resubmit.</td><td></td></tr><tr><td>Submission is rejected for non conformance with design concept.</td><td></td></tr></tbody></table>	Action		Submission is in general conformance with design concept.	X	Submission is in general conformance with design concept, except as noted.		Revise and resubmit.		Submission is rejected for non conformance with design concept.	
	Action										
	Submission is in general conformance with design concept.	X									
	Submission is in general conformance with design concept, except as noted.										
	Revise and resubmit.										
Submission is rejected for non conformance with design concept.											
By: apicinich	Date: 09/29/2022										
Note:											



Submittal # 22-AGG-000638
9/23/2022

Version 1

TREVCON CONSTRUCTION
P O BOX 0811

LIBERTY CORNER NJ 07938

131 West st-Java Street

,

Dear Sir/Madam:

Eastern Concrete Materials looks forward to the opportunity to partner with you on another successful project. Enclosed are current gradations for the materials intended for use on your project. Also provided are supporting documents and disclaimers. Please contact me if you should require any additional information.

Sincerely yours,

A handwritten signature in black ink that reads "Morsia Thomas". The signature is written in a cursive, flowing style.

MORSIA THOMAS, CONCRETE QC MANAGER - NEW YORK

Aggregate Test Report

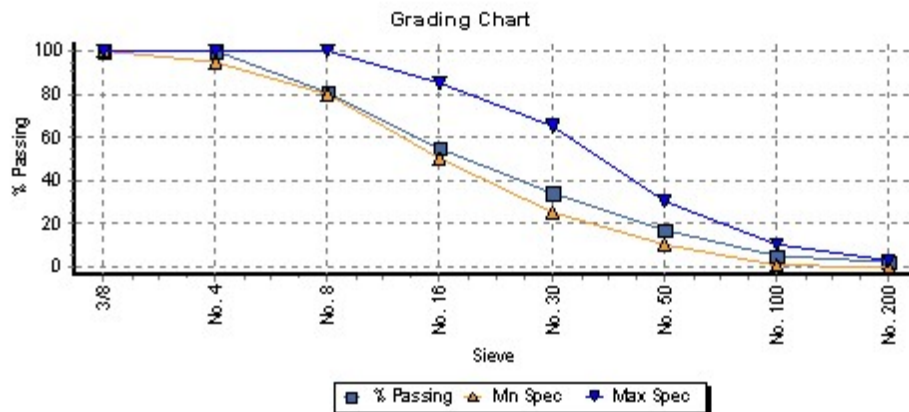
Report Date : 9/23/2022

30970 - C-33 MFG SAND

Sample ID :	Production	Customer :	
Sample Date :	9/21/2022	Project :	
Sample By :		Laboratory :	AG_LAB - ECMI - AGGREGATES LAB
Supplier :	ECMI	Plant :	HAMBURG QUARRY
Supplier Source :	HAMBURG	Specification :	SAND - NJDOT
Supplier Reference No :		Class :	

Sieve (in)	% Passing	Specification		Testing Results	
		Min	Max		
3/8	100.0	100.0	100.0	Silt Percentage	1.80
No. 4	100.0	95.0	100.0	Fineness Modulus	3.07
No. 8	81.2	80.0	100.0		
No. 16	55.1	50.0	85.0		
No. 30	34.1	25.0	65.0		
No. 50	17.1	10.0	30.0		
No. 100	5.3	1.0	10.0		
No. 200	1.8	0.0	3.4		

Comments : Production # 80 sieve 8.5 % passing



Project Engineer :

Test Lab Supervisor : MORSIA THOMAS

Date : 9/23/2022

Certification #:



<i>Approved Crushed Stone</i>	<i>Certified Fill Materials</i>	<i>Washed Sand Products</i>
<i>Hamburg Stone Quarry</i> 3620 Route 23 Hamburg, NJ 07419	<i>Glen Gardner Stone Quarry</i> Railroad Ave Glen Gardner, NJ 08826	<i>Wantage Quarry</i> 80 Route 23 Hamburg, NJ 07419
Order toll free- (888) 913-7625 Dispatch office phone (973) 827-7625		

Material Certification

Please be advised that our aggregate production facilities listed above manufacture construction materials, and fill materials, from the virgin properties as described herein.

Hamburg Stone Quarry- Crushed stone products and environmental fill materials are produced from virgin rock, and property, located in Sussex County NJ, Township of Hardyston, block 14, lot 15.

Approved source: NY DOT 8-48R.

Glen Gardner Stone Quarry- Materials are produced from virgin rock, and property, located in Hunterdon County NJ, Borough of Glen Gardner, Lebanon Township, blocks 21 and 6, lots 32, 37, 38, 100, and 6.

Approved source: NY 10-47R.

Wantage Stone Quarry- Crushed stone products and environmental fill materials are produced from virgin rock, and property, located in Sussex County, Wantage Twp., Block 11, Lot 5.

Approved source: NY DOT 8-96R.

Quinton Sand Facility – Sand materials are produced from virgin property located in Quinton Township, Salem County, NJ block 35, lots 54, 63, 64, 66, 67.

Approved source: NY 10-189F

To the best of our knowledge, these materials are not contaminated with any hazardous substances while on our properties as listed above.

If you require additional information, please contact our office.

Eastern Concrete Materials, Inc.

Aggregates Division

CALL TOLL FREE (888) 913-7625

FAX- (973) 827-0652

MIDEAST DIVISION

250 NEW PEHLE AVE • SADDLE BROOK, NEW JERSEY 07663 • 201-797-7979



3348 Route 208, Campbell Hall, NY 10916

Phone: 845-496-1600 Fax: 845-496-1398

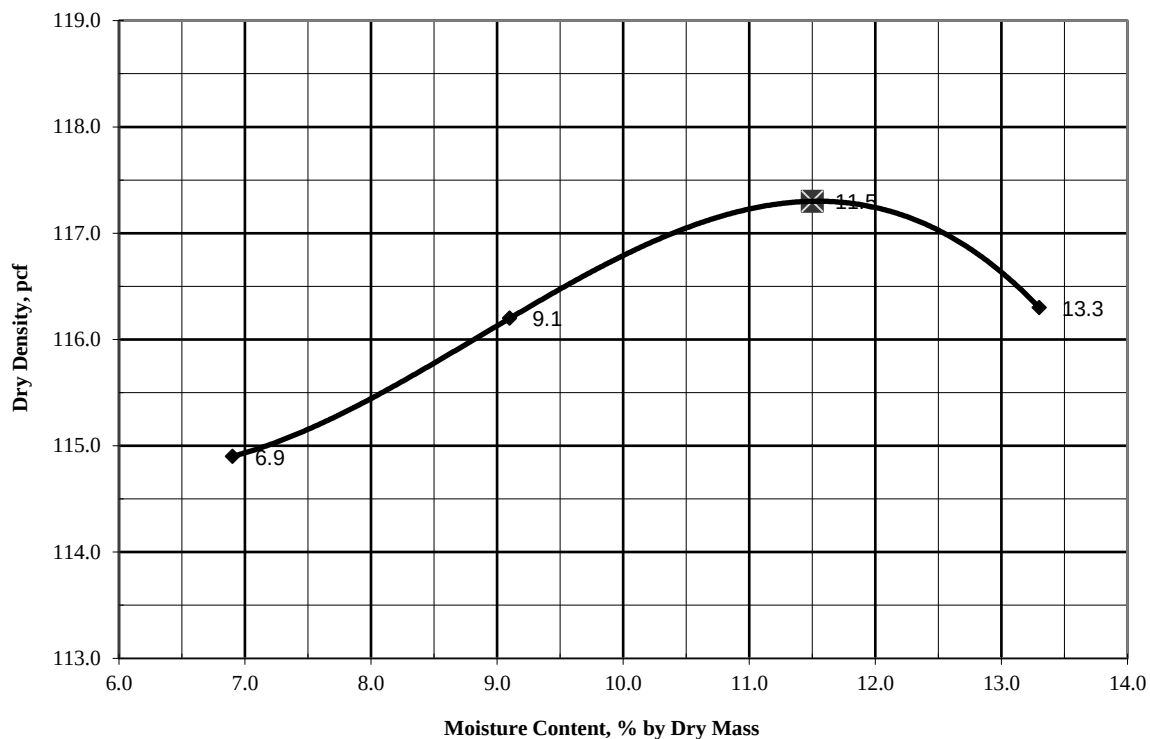
12960 Commerce Lake Drive, A14, Fort Myers, FL 33

42 Day Farm Road, West Stockbridge, MA 01266

1813 State Route 7, Harpursville, NY 13787

CLIENT:	Eastern Concrete Materials Inc.	PROJECT NO.:	220057
PROJECT:	Hamburg Quarry Quality Control 2022	LAB NUMBER:	22-0061C-1
TEST METHOD:	ASTM D 1557 'Modified Proctor'	Method:	B
SOIL ID NUMBER:	6		
ITEM:	Concrete Sand		
SOURCE:	Hamburg Quarry		
SOIL DESCRIPTION:	Grey Sand: 98% Sand; 2% Silt		
DATE SAMPLED:	1/27/2022	SAMPLED BY:	Client
DATE TESTED:	1/31/2022	TESTED BY:	Eric Katz

REPORT OF MOISTURE DENSITY RELATIONSHIP



Individual Test Points	
Percent Moisture	Dry Density
6.9	114.9
9.1	116.2
11.5	117.3
13.3	116.3

Uncorrected Maximum Dry Density: 117.3 lb/cu. ft.
Uncorrected Optimum Moisture Content: 11.5 %
Specific Gravity of Soils *: 2.65
Percent Oversize Particles: 0.0 %
Specific Gravity of Oversize*: 2.67

Corrected* Maximum Dry Density: 117.3 lb/cu. ft.
Corrected* Opt. Moisture Content: 11.5 %

**Corrected for oversize, when oversize particles exceed 5% of sample.

Emily J. Rodriguez

Report Reviewed By:

*Specific Gravity of Soils Estimated and Specific Gravity of Oversize Estimated.

This report shall not be reproduced, except in full, without written permission from Advance Testing Company, Inc.

The results in this report relate only to the items inspected or tested.

PDF



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin, sand as part of the proposed waterfront development work. A portion of this work occurs within the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source, and no more than 8.5% of this material passes through the #80 sieve. In accordance with NYSDEC DER-10, Section 5.5, no chemical testing is required for this material.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The attached analysis confirms no more than 8.5% of this material passes through the #80 sieve.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Vulcan Materials Company

Location where fill was obtained:

Hamburg Stone Quarry

Identification of any state or local approvals as a fill source:

NYSDOT (#8-48R)

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Virgin Source certification and gradation report.

The information provided on this form is accurate and complete.



Signature

10/4/2022

Date

Brian Morrissey, P.E.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm



Dear Schofield Stone,

April 25th, 2023

As per the Fill Material Guidance for SRP Sites, R. E. Pierson Materials Inc. hereby certifies that the licensed quarry/mine material (i.e. White Mason Sand) supplied from our plant located at 384 Woodbine Oceanview Rd, Ocean View, NJ is from a virgin source and has not been subject to a discharged hazardous substance at any time.

Brief History of Site of Material Source:

The R. E. Pierson Materials Ocean View Plant is a sand operation that has been with our company since 2008 and has been operated under our name until the present day. The operation has maintained the State and local permits as required.

R. E. Pierson Materials certifies that the Ocean View site produces Virgin materials and that no chemicals or additives are used in producing the product.

Should there be any questions or need for additional information concerning this material, please feel free to contact us at our main office. The number is listed below.

Sincerely,

Kevin Williams

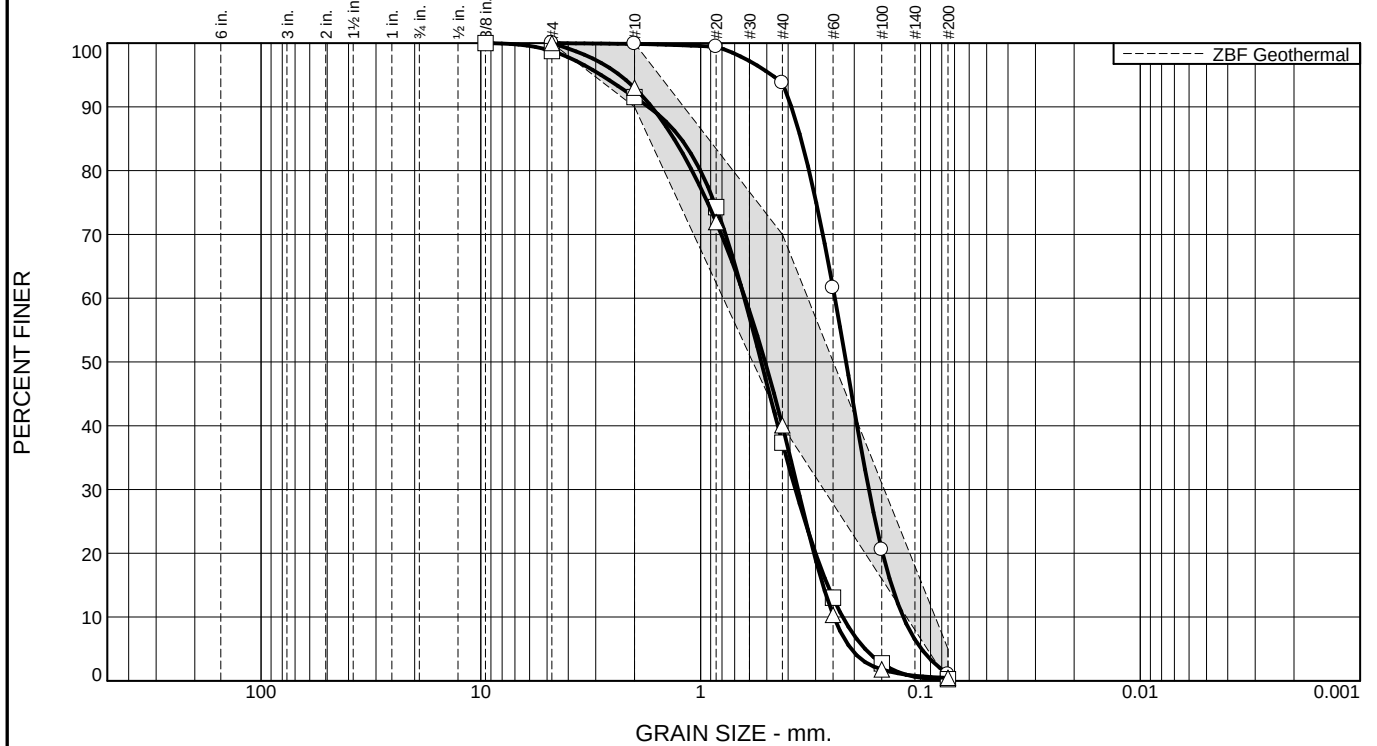
Sales Manager

Mailing Address:
PO Box 704
Bridgeport, NJ 08014

Richard E. Pierson Materials Corp.
Phone: (856) 467-4199
Fax: (856) 467-5360
www.piermat.com

Physical Address:
860 Oak Grove Rd.
Logan Twp., NJ 08085

Particle Size Distribution Report



	+3"	% GRAVEL	% SAND	% SILT	% CLAY	USCS	LL	PL	PI
○	0.0	0.0	99.0	1.0		SP	NP	0	
□	0.0	1.2	98.5	0.3		SP	NP	0	
△	0.0	0.0	99.5	0.5		SP	NP	0	

SIEVE inches size	PERCENT FINER		
	○	□	△
.375		100.0	
GRAIN SIZE			
D ₆₀	0.2451	0.6327	0.6275
D ₃₀	0.1717	0.3706	0.3606
D ₁₀	0.1198	0.2259	0.2478
COEFFICIENTS			
C _c	1.00	0.96	0.84
C _u	2.05	2.80	2.53

SIEVE number size	PERCENT FINER		
	○	□	△
#4	100.0	98.8	100.0
#10	99.9	91.5	93.0
#20	99.4	74.3	71.9
#40	93.8	37.3	40.1
#60	61.6	13.0	10.3
#100	20.6	2.7	1.8
#200	1.0	0.3	0.5

Material Description
○ Light brown poorly graded sand
□ Light brown poorly graded sand
△ Light brown poorly graded sand

REMARKS:
○ As received moisture content = 5.4%
□ As received moisture content = 3.6%
△ As received moisture content = 3.9%

○ Source of Sample: Schofield Stone
 □ Source of Sample: Schofield Stone
 △ Source of Sample: Schofield Stone

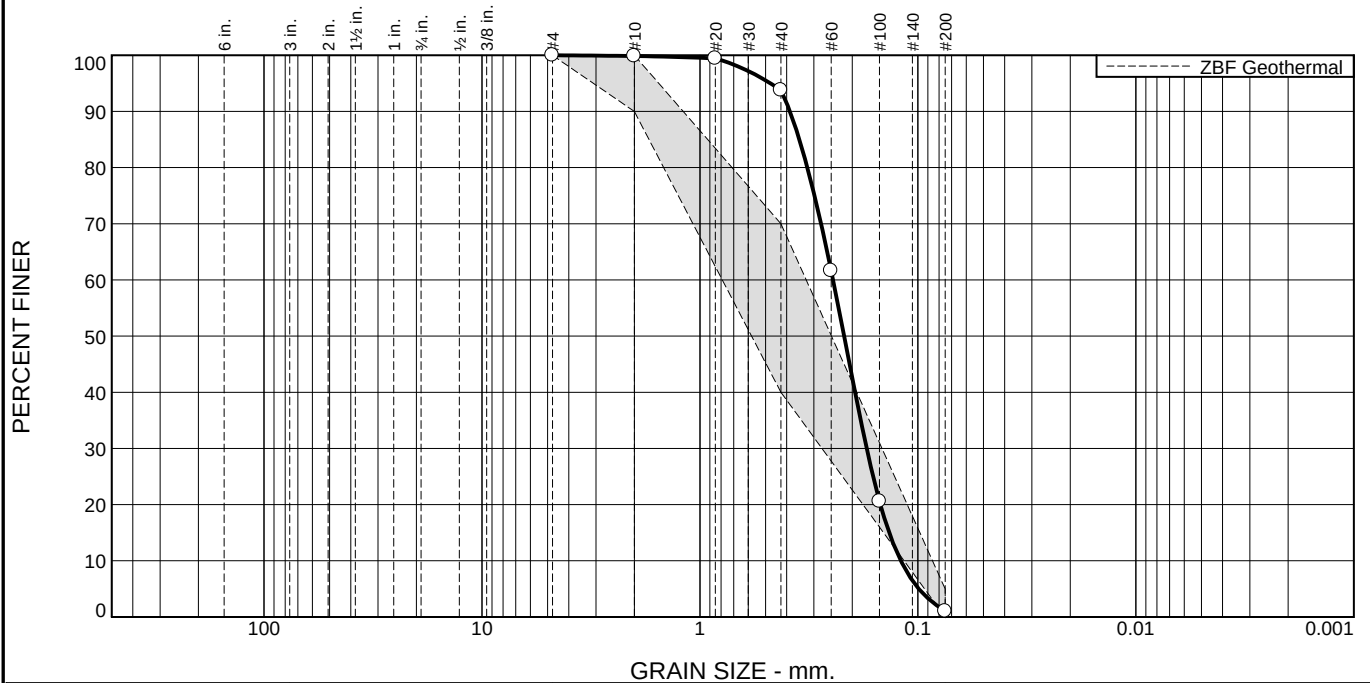
Sample Number: S-107
 Sample Number: S-108
 Sample Number: S-180

CDM Smith Boston, Massachusetts	Client: ZBF Geothermal
	Project: 1 Java Street Brooklyn, NY Project No.: 266417.259889
	Figure

Tested By: MJP

Checked By: MBP

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.1	6.1	92.8	1.0	

Test Results (ASTM D6913 & ASTM D1140)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#4	100.0	100.0	X
#10	99.9	90.0 - 100.0	
#20	99.4	40.0 - 70.0	
#40	93.8		
#60	61.6		
#100	20.6	0.0 - 5.0	
#200	1.0		

* ZBF Geothermal

Material Description

Light brown poorly graded sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS (D 2487)= SP AASHTO (M 145)= A-3

Coefficients

D₉₀= 0.3864 D₈₅= 0.3497 D₆₀= 0.2451
D₅₀= 0.2180 D₃₀= 0.1717 D₁₅= 0.1354
D₁₀= 0.1198 C_u= 2.05 C_c= 1.00

Remarks

As received moisture content = 5.4%

Date Received: 4/8/23 Date Tested: 4/8/23

Tested By: MJP

Checked By: MBP

Title: Laboratory Manager

Source of Sample: Schofield Stone
Sample Number: S-107

Date Sampled: 4/7/23

CDM Smith

Boston, Massachusetts

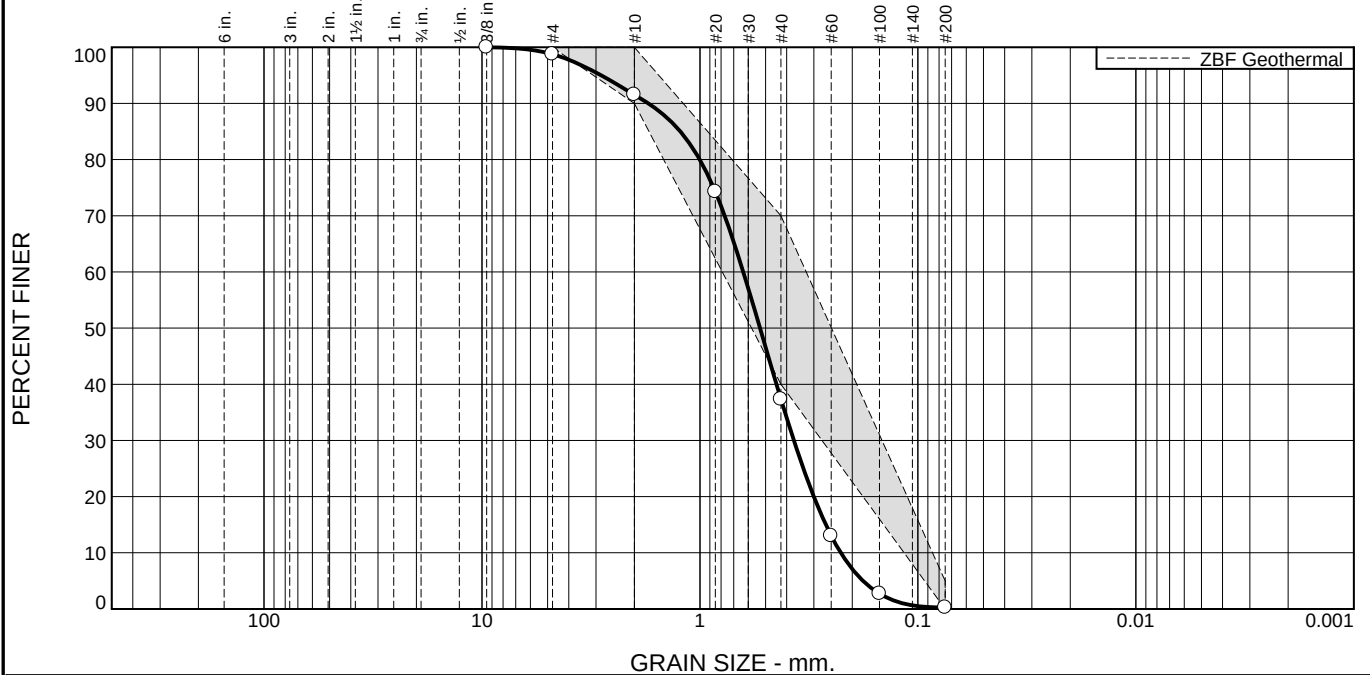
Client: ZBF Geothermal

Project: 1 Java Street
Brooklyn, NY

Project No: 266417.259889

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	1.2	7.3	54.2	37.0	0.3	

Test Results (ASTM D6913 & ASTM D1140)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.375	100.0		
#4	98.8	100.0	X
#10	91.5	90.0 - 100.0	
#20	74.3		
#40	37.3	40.0 - 70.0	X
#60	13.0		
#100	2.7		
#200	0.3	0.0 - 5.0	

* ZBF Geothermal

Material Description
Light brown poorly graded sand

Atterberg Limits (ASTM D 4318)
 PL= _____ LL= _____ PI= _____

Classification
 USCS (D 2487)= SP AASHTO (M 145)= A-1-b

Coefficients
 D₉₀= 1.7268 D₈₅= 1.2292 D₆₀= 0.6327
 D₅₀= 0.5302 D₃₀= 0.3706 D₁₅= 0.2646
 D₁₀= 0.2259 C_u= 2.80 C_c= 0.96

Remarks
As received moisture content = 3.6%

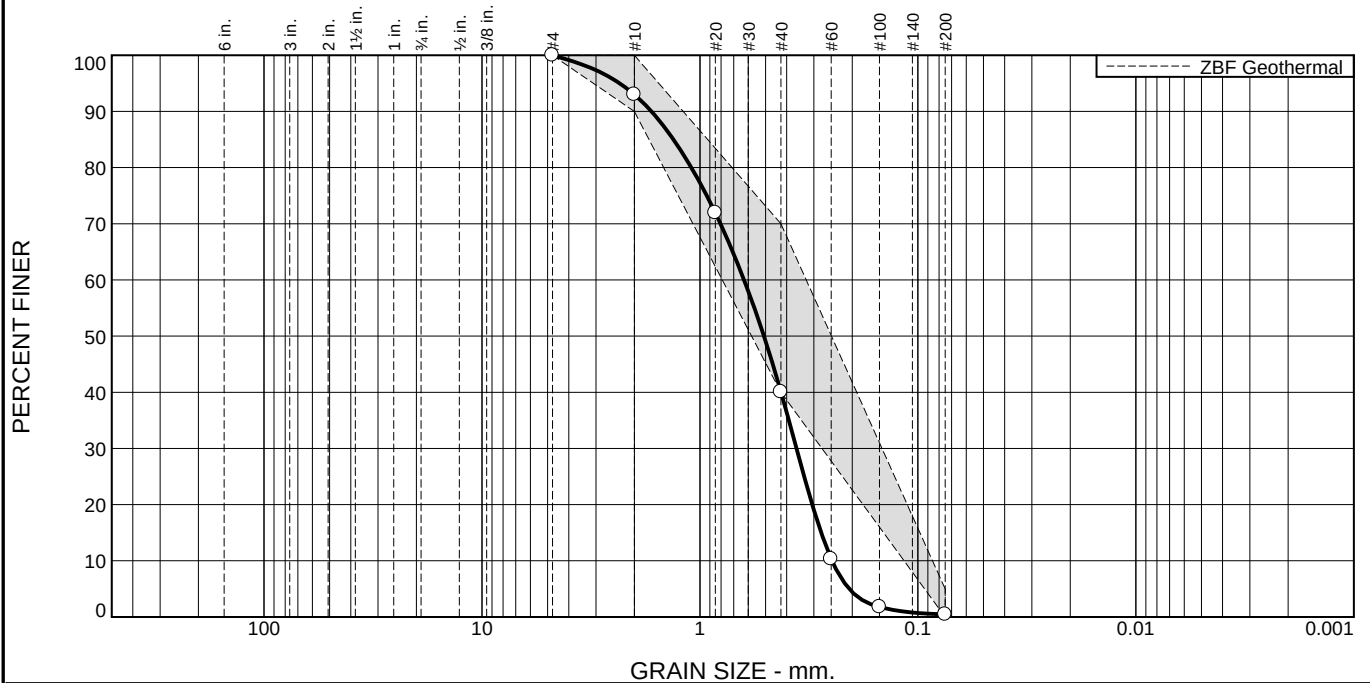
Date Received: 4/8/23 **Date Tested:** 4/8/23
Tested By: MJP
Checked By: MBP
Title: Laboratory Manager

Source of Sample: Schofield Stone
Sample Number: S-108

Date Sampled: 4/7/23

CDM Smith Boston, Massachusetts		Client: ZBF Geothermal Project: 1 Java Street Brooklyn, NY Project No: 266417.259889	Figure
--	--	--	---------------

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	7.0	52.9	39.6	0.5	

Test Results (ASTM D6913 & ASTM D1140)			
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
#4	100.0	100.0	
#10	93.0	90.0 - 100.0	
#20	71.9		
#40	40.1	40.0 - 70.0	
#60	10.3		
#100	1.8		
#200	0.5	0.0 - 5.0	

* ZBF Geothermal

Material Description

Light brown poorly graded sand

Atterberg Limits (ASTM D 4318)

PL= LL= PI=

Classification

USCS (D 2487)= SP AASHTO (M 145)= A-1-b

Coefficients

D₉₀= 1.6703 D₈₅= 1.3226 D₆₀= 0.6275
D₅₀= 0.5088 D₃₀= 0.3606 D₁₅= 0.2778
D₁₀= 0.2478 C_u= 2.53 C_c= 0.84

Remarks

As received moisture content = 3.9%

Date Received: 4/8/23 Date Tested: 4/8/23

Tested By: MJP

Checked By: MBP

Title: Laboratory Manager

Source of Sample: Schofield Stone
Sample Number: S-180

Date Sampled: 4/7/23

CDM Smith

Boston, Massachusetts

Client: ZBF Geothermal

Project: 1 Java Street
Brooklyn, NY

Project No: 266417.259889

Figure



ANALYTICAL REPORT

Lab Number:	L2319044
Client:	CDM Smith, Inc. 110 Fieldcrest Ave No. 8 Edison, NJ 08837
ATTN:	Dan O'Rourke
Phone:	(732) 225-7500
Project Name:	1 JAVA
Project Number:	259889.TASK5A.CONT
Report Date:	04/13/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2319044-01	S-180C1	SOIL	BROOKLYN, NY	04/10/23 14:44	04/11/23
L2319044-02	S-180C2	SOIL	BROOKLYN, NY	04/10/23 14:44	04/11/23
L2319044-03	S-180D1	SOIL	BROOKLYN, NY	04/10/23 15:00	04/11/23
L2319044-04	S-180D2	SOIL	BROOKLYN, NY	04/10/23 15:00	04/11/23
L2319044-05	S-180D3	SOIL	BROOKLYN, NY	04/10/23 15:02	04/11/23
L2319044-06	S-180D4	SOIL	BROOKLYN, NY	04/10/23 15:03	04/11/23
L2319044-07	S-180D5	SOIL	BROOKLYN, NY	04/10/23 15:05	04/11/23
L2319044-08	S-180D6	SOIL	BROOKLYN, NY	04/10/23 15:06	04/11/23

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2319044-01, -02, and -05 through -08: Discrepancies were noted between the sample labels and chain of custody. At the client's request, all collection times were obtained from the container labels.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

The WG1764999-2 LCS recovery, associated with L2319044-01 and -02, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2319044-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1765638-3 MS recoveries, performed on L2319044-01, are outside the acceptance criteria for aluminum (252%) and iron (285%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/13/23

ORGANICS

VOLATILES

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-03
Client ID: S-180D1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 21:12
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-03
Client ID: S-180D1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.79	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-03
Client ID: S-180D1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-04
Client ID: S-180D2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 21:35
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.19	1
Benzene	ND		ug/kg	0.59	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-04
Client ID: S-180D2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-04
Client ID: S-180D2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-05
Client ID: S-180D3
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:02
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 21:59
Analyst: JIC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-05
Client ID: S-180D3
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:02
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	6.5	J	ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-05
Client ID: S-180D3
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:02
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-06
Client ID: S-180D4
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:03
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 22:22
Analyst: JIC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-06
Client ID: S-180D4
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:03
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-06
Client ID: S-180D4
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:03
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-07
Client ID: S-180D5
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:05
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 22:46
Analyst: JIC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-07
Client ID: S-180D5
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:05
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-07
Client ID: S-180D5
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:05
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	98	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-08
Client ID: S-180D6
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:06
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/12/23 23:10
Analyst: JIC
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-08
Client ID: S-180D6
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:06
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-08
Client ID: S-180D6
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:06
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/12/23 20:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1766125-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/12/23 20:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1766125-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/12/23 20:01
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-08 Batch: WG1766125-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1766125-3 WG1766125-4								
Methylene chloride	93		88		70-130	6		30
1,1-Dichloroethane	103		99		70-130	4		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	76		73		70-130	4		30
1,2-Dichloropropane	110		108		70-130	2		30
Dibromochloromethane	77		81		70-130	5		30
1,1,2-Trichloroethane	95		100		70-130	5		30
Tetrachloroethene	63	Q	65	Q	70-130	3		30
Chlorobenzene	90		91		70-130	1		30
Trichlorofluoromethane	99		92		70-139	7		30
1,2-Dichloroethane	101		98		70-130	3		30
1,1,1-Trichloroethane	88		84		70-130	5		30
Bromodichloromethane	103		101		70-130	2		30
trans-1,3-Dichloropropene	96		101		70-130	5		30
cis-1,3-Dichloropropene	106		106		70-130	0		30
1,1-Dichloropropene	83		81		70-130	2		30
Bromoform	74		79		70-130	7		30
1,1,2,2-Tetrachloroethane	90		94		70-130	4		30
Benzene	102		102		70-130	0		30
Toluene	88		91		70-130	3		30
Ethylbenzene	86		88		70-130	2		30
Chloromethane	124		118		52-130	5		30
Bromomethane	117		112		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1766125-3 WG1766125-4								
Vinyl chloride	123		117		67-130	5		30
Chloroethane	136		127		50-151	7		30
1,1-Dichloroethene	87		81		65-135	7		30
trans-1,2-Dichloroethene	92		88		70-130	4		30
Trichloroethene	86		85		70-130	1		30
1,2-Dichlorobenzene	82		87		70-130	6		30
1,3-Dichlorobenzene	81		86		70-130	6		30
1,4-Dichlorobenzene	82		86		70-130	5		30
Methyl tert butyl ether	100		98		66-130	2		30
p/m-Xylene	86		90		70-130	5		30
o-Xylene	88		91		70-130	3		30
cis-1,2-Dichloroethene	92		88		70-130	4		30
Dibromomethane	95		92		70-130	3		30
Styrene	91		94		70-130	3		30
Dichlorodifluoromethane	87		83		30-146	5		30
Acetone	89		92		54-140	3		30
Carbon disulfide	100		93		59-130	7		30
2-Butanone	104		102		70-130	2		30
Vinyl acetate	114		108		70-130	5		30
4-Methyl-2-pentanone	102		103		70-130	1		30
1,2,3-Trichloropropane	101		104		68-130	3		30
2-Hexanone	94		97		70-130	3		30
Bromochloromethane	88		83		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1766125-3 WG1766125-4								
2,2-Dichloropropane	89		86		70-130	3		30
1,2-Dibromoethane	78		83		70-130	6		30
1,3-Dichloropropane	95		100		69-130	5		30
1,1,1,2-Tetrachloroethane	78		83		70-130	6		30
Bromobenzene	82		84		70-130	2		30
n-Butylbenzene	89		93		70-130	4		30
sec-Butylbenzene	80		84		70-130	5		30
tert-Butylbenzene	77		81		70-130	5		30
o-Chlorotoluene	91		98		70-130	7		30
p-Chlorotoluene	92		96		70-130	4		30
1,2-Dibromo-3-chloropropane	80		84		68-130	5		30
Hexachlorobutadiene	62	Q	65	Q	67-130	5		30
Isopropylbenzene	82		85		70-130	4		30
p-Isopropyltoluene	79		84		70-130	6		30
Naphthalene	83		86		70-130	4		30
Acrylonitrile	115		110		70-130	4		30
n-Propylbenzene	87		91		70-130	4		30
1,2,3-Trichlorobenzene	74		77		70-130	4		30
1,2,4-Trichlorobenzene	75		78		70-130	4		30
1,3,5-Trimethylbenzene	88		93		70-130	6		30
1,2,4-Trimethylbenzene	89		93		70-130	4		30
1,4-Dioxane	100		98		65-136	2		30
p-Diethylbenzene	84		88		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-08 Batch: WG1766125-3 WG1766125-4								
p-Ethyltoluene	87		91		70-130	4		30
1,2,4,5-Tetramethylbenzene	73		76		70-130	4		30
Ethyl ether	120		116		67-130	3		30
trans-1,4-Dichloro-2-butene	110		113		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		102		70-130
Toluene-d8	102		105		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	95		90		70-130

SEMIVOLATILES

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/13/23 01:10
Analyst: LJJ
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 03:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	26	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	76		18-120

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/13/23 01:58
Analyst: LJJ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 03:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	140	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	360	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1
1,4-Dioxane	ND		ug/kg	25	7.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	74		18-120

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/11/23 10:37
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/11/23 03:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1764999-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/11/23 10:37
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/11/23 03:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1764999-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/11/23 10:37
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/11/23 03:11

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1764999-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1764999-2 WG1764999-3								
Acenaphthene	62		71		31-137	14		50
1,2,4-Trichlorobenzene	60		69		38-107	14		50
Hexachlorobenzene	66		76		40-140	14		50
Bis(2-chloroethyl)ether	58		63		40-140	8		50
2-Chloronaphthalene	61		70		40-140	14		50
1,2-Dichlorobenzene	58		66		40-140	13		50
1,3-Dichlorobenzene	58		65		40-140	11		50
1,4-Dichlorobenzene	56		64		28-104	13		50
3,3'-Dichlorobenzidine	55		52		40-140	6		50
2,4-Dinitrotoluene	63		68		40-132	8		50
2,6-Dinitrotoluene	60		65		40-140	8		50
Fluoranthene	62		72		40-140	15		50
4-Chlorophenyl phenyl ether	65		72		40-140	10		50
4-Bromophenyl phenyl ether	67		76		40-140	13		50
Bis(2-chloroisopropyl)ether	55		62		40-140	12		50
Bis(2-chloroethoxy)methane	58		64		40-117	10		50
Hexachlorobutadiene	62		72		40-140	15		50
Hexachlorocyclopentadiene	175	Q	194	Q	40-140	10		50
Hexachloroethane	53		56		40-140	6		50
Isophorone	55		61		40-140	10		50
Naphthalene	58		66		40-140	13		50
Nitrobenzene	55		62		40-140	12		50
NDPA/DPA	64		73		36-157	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1764999-2 WG1764999-3								
n-Nitrosodi-n-propylamine	59		65		32-121	10		50
Bis(2-ethylhexyl)phthalate	62		69		40-140	11		50
Butyl benzyl phthalate	57		64		40-140	12		50
Di-n-butylphthalate	60		69		40-140	14		50
Di-n-octylphthalate	61		70		40-140	14		50
Diethyl phthalate	60		68		40-140	13		50
Dimethyl phthalate	58		65		40-140	11		50
Benzo(a)anthracene	66		75		40-140	13		50
Benzo(a)pyrene	70		82		40-140	16		50
Benzo(b)fluoranthene	63		77		40-140	20		50
Benzo(k)fluoranthene	66		72		40-140	9		50
Chrysene	66		75		40-140	13		50
Acenaphthylene	65		73		40-140	12		50
Anthracene	65		74		40-140	13		50
Benzo(ghi)perylene	66		78		40-140	17		50
Fluorene	63		71		40-140	12		50
Phenanthrene	64		73		40-140	13		50
Dibenzo(a,h)anthracene	63		75		40-140	17		50
Indeno(1,2,3-cd)pyrene	65		77		40-140	17		50
Pyrene	62		71		35-142	14		50
Biphenyl	64		73		37-127	13		50
4-Chloroaniline	41		29	Q	40-140	34		50
2-Nitroaniline	62		66		47-134	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1764999-2 WG1764999-3								
3-Nitroaniline	50		39		26-129	25		50
4-Nitroaniline	58		69		41-125	17		50
Dibenzofuran	66		75		40-140	13		50
2-Methylnaphthalene	65		72		40-140	10		50
1,2,4,5-Tetrachlorobenzene	67		73		40-117	9		50
Acetophenone	63		70		14-144	11		50
2,4,6-Trichlorophenol	66		77		30-130	15		50
p-Chloro-m-cresol	59		66		26-103	11		50
2-Chlorophenol	60		65		25-102	8		50
2,4-Dichlorophenol	63		69		30-130	9		50
2,4-Dimethylphenol	60		64		30-130	6		50
2-Nitrophenol	62		70		30-130	12		50
4-Nitrophenol	69		86		11-114	22		50
2,4-Dinitrophenol	28		68		4-130	83	Q	50
4,6-Dinitro-o-cresol	64		76		10-130	17		50
Pentachlorophenol	72		87		17-109	19		50
Phenol	59		65		26-90	10		50
2-Methylphenol	58		62		30-130.	7		50
3-Methylphenol/4-Methylphenol	60		64		30-130	6		50
2,4,5-Trichlorophenol	65		75		30-130	14		50
Benzoic Acid	0	Q	20		10-110	NC		50
Benzyl Alcohol	60		67		40-140	11		50
Carbazole	63		73		54-128	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1764999-2 WG1764999-3								
1,4-Dioxane	42		48		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		68		25-120
Phenol-d6	58		67		10-120
Nitrobenzene-d5	52		60		23-120
2-Fluorobiphenyl	60		68		30-120
2,4,6-Tribromophenol	72		78		10-136
4-Terphenyl-d14	60		70		18-120

PCBS

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/12/23 17:12
Analyst: AD
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 03:46
Cleanup Method: EPA 3665A
Cleanup Date: 04/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.0	2.94	1	A
Aroclor 1221	ND		ug/kg	33.0	3.31	1	A
Aroclor 1232	ND		ug/kg	33.0	7.01	1	A
Aroclor 1242	ND		ug/kg	33.0	4.46	1	A
Aroclor 1248	ND		ug/kg	33.0	4.96	1	A
Aroclor 1254	ND		ug/kg	33.0	3.62	1	A
Aroclor 1260	ND		ug/kg	33.0	6.11	1	A
Aroclor 1262	ND		ug/kg	33.0	4.20	1	A
Aroclor 1268	ND		ug/kg	33.0	3.42	1	A
PCBs, Total	ND		ug/kg	33.0	2.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/12/23 17:19
Analyst: AD
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 03:46
Cleanup Method: EPA 3665A
Cleanup Date: 04/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.04	1	A
Aroclor 1221	ND		ug/kg	34.2	3.42	1	A
Aroclor 1232	ND		ug/kg	34.2	7.25	1	A
Aroclor 1242	ND		ug/kg	34.2	4.61	1	A
Aroclor 1248	ND		ug/kg	34.2	5.13	1	A
Aroclor 1254	ND		ug/kg	34.2	3.74	1	A
Aroclor 1260	ND		ug/kg	34.2	6.32	1	A
Aroclor 1262	ND		ug/kg	34.2	4.34	1	A
Aroclor 1268	ND		ug/kg	34.2	3.54	1	A
PCBs, Total	ND		ug/kg	34.2	3.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/12/23 07:56
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 04/11/23 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1765224-1						
Aroclor 1016	ND		ug/kg	32.9	2.92	A
Aroclor 1221	ND		ug/kg	32.9	3.30	A
Aroclor 1232	ND		ug/kg	32.9	6.98	A
Aroclor 1242	ND		ug/kg	32.9	4.44	A
Aroclor 1248	ND		ug/kg	32.9	4.94	A
Aroclor 1254	ND		ug/kg	32.9	3.60	A
Aroclor 1260	ND		ug/kg	32.9	6.08	A
Aroclor 1262	ND		ug/kg	32.9	4.18	A
Aroclor 1268	ND		ug/kg	32.9	3.41	A
PCBs, Total	ND		ug/kg	32.9	2.92	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	66		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1765224-2 WG1765224-3									
Aroclor 1016	67		66		40-140	2		50	A
Aroclor 1260	65		66		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		70		30-150	A
Decachlorobiphenyl	77		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		67		30-150	B
Decachlorobiphenyl	76		76		30-150	B

PESTICIDES

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/13/23 11:39
Analyst: AKM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 04:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.687	0.307	1	A
Alpha-BHC	ND		ug/kg	0.687	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.825	0.370	1	A
Aldrin	ND		ug/kg	1.65	0.581	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.928	1	A
Endrin	ND		ug/kg	0.687	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.722	1	A
Endrin ketone	ND		ug/kg	1.65	0.425	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	1.65	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.390	1	A
Endosulfan II	ND		ug/kg	1.65	0.551	1	A
Endosulfan sulfate	ND		ug/kg	0.687	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.962	1	A
Toxaphene	ND		ug/kg	30.9	8.66	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.7	5.46	1	A

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	124		30-150	B

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/13/23 11:50
Analyst: AKM
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/12/23 04:43
Cleanup Method: EPA 3620B
Cleanup Date: 04/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.321	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.621	1	A
Heptachlor	ND		ug/kg	0.819	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.577	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.921	1	A
Endrin	ND		ug/kg	0.682	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.422	1	A
Dieldrin	ND		ug/kg	1.02	0.512	1	A
4,4'-DDE	ND		ug/kg	1.64	0.379	1	A
4,4'-DDD	ND		ug/kg	1.64	0.584	1	A
4,4'-DDT	ND		ug/kg	1.64	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.387	1	A
Endosulfan II	ND		ug/kg	1.64	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.325	1	A
Methoxychlor	ND		ug/kg	3.07	0.955	1	A
Toxaphene	ND		ug/kg	30.7	8.60	1	A
cis-Chlordane	ND		ug/kg	2.05	0.570	1	A
trans-Chlordane	ND		ug/kg	2.05	0.540	1	A
Chlordane	ND		ug/kg	13.6	5.42	1	A

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
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Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/12/23 11:40
Analyst: AAR

Extraction Method: EPA 3546
Extraction Date: 04/11/23 09:41
Cleanup Method: EPA 3620B
Cleanup Date: 04/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1765178-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.636	0.284	A
Alpha-BHC	ND		ug/kg	0.636	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.763	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.636	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.668	A
Endrin ketone	ND		ug/kg	1.52	0.393	A
Dieldrin	ND		ug/kg	0.954	0.477	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	1.52	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.636	0.303	A
Methoxychlor	ND		ug/kg	2.86	0.890	A
Toxaphene	ND		ug/kg	28.6	8.01	A
cis-Chlordane	ND		ug/kg	1.91	0.531	A
trans-Chlordane	ND		ug/kg	1.91	0.503	A
Chlordane	ND		ug/kg	12.7	5.05	A

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/12/23 11:40
 Analyst: AAR

Extraction Method: EPA 3546
 Extraction Date: 04/11/23 09:41
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/12/23
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1765178-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1765178-2 WG1765178-3									
Delta-BHC	89		96		30-150	8		30	A
Lindane	85		90		30-150	6		30	A
Alpha-BHC	91		97		30-150	6		30	A
Beta-BHC	79		86		30-150	8		30	A
Heptachlor	84		85		30-150	1		30	A
Aldrin	85		89		30-150	5		30	A
Heptachlor epoxide	79		84		30-150	6		30	A
Endrin	84		90		30-150	7		30	A
Endrin aldehyde	69		74		30-150	7		30	A
Endrin ketone	76		87		30-150	13		30	A
Dieldrin	89		95		30-150	7		30	A
4,4'-DDE	86		92		30-150	7		30	A
4,4'-DDD	89		96		30-150	8		30	A
4,4'-DDT	85		91		30-150	7		30	A
Endosulfan I	83		88		30-150	6		30	A
Endosulfan II	85		91		30-150	7		30	A
Endosulfan sulfate	64		70		30-150	9		30	A
Methoxychlor	83		91		30-150	9		30	A
cis-Chlordane	88		93		30-150	6		30	A
trans-Chlordane	104		111		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1765178-2 WG1765178-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	A
Decachlorobiphenyl	91		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		79		30-150	B
Decachlorobiphenyl	85		86		30-150	B

METALS

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
 Client ID: S-180C1
 Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
 Date Received: 04/11/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	419		mg/kg	8.00	2.16	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.00	0.304	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Arsenic, Total	0.193	J	mg/kg	0.800	0.166	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Barium, Total	1.52		mg/kg	0.800	0.139	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Beryllium, Total	ND		mg/kg	0.400	0.026	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.800	0.078	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Calcium, Total	239		mg/kg	8.00	2.80	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Chromium, Total	0.684	J	mg/kg	0.800	0.077	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Cobalt, Total	ND		mg/kg	1.60	0.133	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Copper, Total	ND		mg/kg	0.800	0.206	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Iron, Total	204		mg/kg	4.00	0.723	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Lead, Total	0.795	J	mg/kg	4.00	0.214	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Magnesium, Total	133		mg/kg	8.00	1.23	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Manganese, Total	2.05		mg/kg	0.800	0.127	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Mercury, Total	ND		mg/kg	0.067	0.043	1	04/12/23 09:20	04/12/23 16:28	EPA 7471B	1,7471B	DMB
Nickel, Total	0.299	J	mg/kg	2.00	0.194	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Potassium, Total	18.0	J	mg/kg	200	11.5	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Selenium, Total	ND		mg/kg	1.60	0.206	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.400	0.226	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Sodium, Total	ND		mg/kg	160	2.52	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Thallium, Total	ND		mg/kg	1.60	0.252	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Vanadium, Total	0.721	J	mg/kg	0.800	0.162	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB
Zinc, Total	0.431	J	mg/kg	4.00	0.234	2	04/12/23 08:55	04/12/23 14:14	EPA 3050B	1,6010D	DMB



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
 Client ID: S-180C2
 Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
 Date Received: 04/11/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	384		mg/kg	8.12	2.19	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.06	0.309	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Arsenic, Total	0.311	J	mg/kg	0.812	0.169	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Barium, Total	1.21		mg/kg	0.812	0.141	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Beryllium, Total	ND		mg/kg	0.406	0.027	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.812	0.080	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Calcium, Total	216		mg/kg	8.12	2.84	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Chromium, Total	0.734	J	mg/kg	0.812	0.078	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Cobalt, Total	ND		mg/kg	1.62	0.135	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Copper, Total	ND		mg/kg	0.812	0.210	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Iron, Total	223		mg/kg	4.06	0.734	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Lead, Total	0.666	J	mg/kg	4.06	0.218	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Magnesium, Total	147		mg/kg	8.12	1.25	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Manganese, Total	2.41		mg/kg	0.812	0.129	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Mercury, Total	ND		mg/kg	0.067	0.043	1	04/12/23 09:20	04/12/23 16:41	EPA 7471B	1,7471B	DMB
Nickel, Total	0.242	J	mg/kg	2.03	0.196	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Potassium, Total	48.2	J	mg/kg	203	11.7	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Selenium, Total	ND		mg/kg	1.62	0.210	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.406	0.230	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Sodium, Total	ND		mg/kg	162	2.56	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Thallium, Total	ND		mg/kg	1.62	0.256	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Vanadium, Total	0.744	J	mg/kg	0.812	0.165	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB
Zinc, Total	0.563	J	mg/kg	4.06	0.238	2	04/12/23 08:55	04/12/23 14:06	EPA 3050B	1,6010D	DMB



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1765637-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/12/23 09:20	04/12/23 16:15	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1765638-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Barium, Total	ND		mg/kg	0.400	0.070	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Copper, Total	ND		mg/kg	0.400	0.103	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Iron, Total	ND		mg/kg	2.00	0.361	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Lead, Total	ND		mg/kg	2.00	0.107	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Potassium, Total	ND		mg/kg	100	5.76	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Silver, Total	ND		mg/kg	0.200	0.113	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/12/23 08:55	04/12/23 14:00	1,6010D	DMB

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765637-2 SRM Lot Number: D116-540								
Mercury, Total	81		-		58-142	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765638-2 SRM Lot Number: D116-540					
Aluminum, Total	92	-	45-155	-	
Antimony, Total	198	-	2-205	-	
Arsenic, Total	114	-	82-119	-	
Barium, Total	102	-	82-118	-	
Beryllium, Total	100	-	82-118	-	
Cadmium, Total	98	-	82-118	-	
Calcium, Total	96	-	81-119	-	
Chromium, Total	100	-	81-118	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	105	-	83-117	-	
Iron, Total	113	-	58-142	-	
Lead, Total	114	-	83-117	-	
Magnesium, Total	97	-	75-125	-	
Manganese, Total	98	-	82-118	-	
Nickel, Total	98	-	82-118	-	
Potassium, Total	93	-	68-131	-	
Selenium, Total	113	-	78-122	-	
Silver, Total	108	-	79-121	-	
Sodium, Total	99	-	71-130	-	
Thallium, Total	107	-	80-120	-	
Vanadium, Total	104	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765638-2 SRM Lot Number: D116-540					
Zinc, Total	99	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765637-3 QC Sample: L2319044-01 Client ID: S-180C1												
Mercury, Total	ND	1.34	1.24	92		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765638-3 QC Sample: L2319044-01 Client ID: S-180C1									
Aluminum, Total	419	161	826	252	Q	-	75-125	-	20
Antimony, Total	ND	40.3	45.1	112		-	75-125	-	20
Arsenic, Total	0.193J	9.68	10.3	106		-	75-125	-	20
Barium, Total	1.52	161	172	106		-	75-125	-	20
Beryllium, Total	ND	4.03	4.24	105		-	75-125	-	20
Cadmium, Total	ND	4.27	4.29	100		-	75-125	-	20
Calcium, Total	239	806	1190	118		-	75-125	-	20
Chromium, Total	0.684J	16.1	17.2	107		-	75-125	-	20
Cobalt, Total	ND	40.3	40.7	101		-	75-125	-	20
Copper, Total	ND	20.2	21.0	104		-	75-125	-	20
Iron, Total	204	80.6	434	285	Q	-	75-125	-	20
Lead, Total	0.795J	42.7	44.6	104		-	75-125	-	20
Magnesium, Total	133	806	1020	110		-	75-125	-	20
Manganese, Total	2.05	40.3	42.0	99		-	75-125	-	20
Nickel, Total	0.299J	40.3	39.4	98		-	75-125	-	20
Potassium, Total	18.0J	806	817	101		-	75-125	-	20
Selenium, Total	ND	9.68	10.1	104		-	75-125	-	20
Silver, Total	ND	4.03	4.00	99		-	75-125	-	20
Sodium, Total	ND	806	838	104		-	75-125	-	20
Thallium, Total	ND	9.68	9.55	99		-	75-125	-	20
Vanadium, Total	0.721J	40.3	42.3	105		-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765638-3 QC Sample: L2319044-01 Client ID: S-180C1									
Zinc, Total	0.431J	40.3	39.6	98	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765637-4 QC Sample: L2319044-01 Client ID: S-180C1						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765638-4 QC Sample: L2319044-01 Client ID: S-180C1					
Aluminum, Total	419	472	mg/kg	12	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	0.193J	0.217J	mg/kg	NC	20
Barium, Total	1.52	1.32	mg/kg	14	20
Beryllium, Total	ND	ND	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	239	253	mg/kg	6	20
Chromium, Total	0.684J	0.746J	mg/kg	NC	20
Cobalt, Total	ND	ND	mg/kg	NC	20
Copper, Total	ND	ND	mg/kg	NC	20
Iron, Total	204	221	mg/kg	8	20
Lead, Total	0.795J	0.744J	mg/kg	NC	20
Magnesium, Total	133	137	mg/kg	3	20
Manganese, Total	2.05	2.01	mg/kg	2	20
Nickel, Total	0.299J	0.255J	mg/kg	NC	20
Potassium, Total	18.0J	23.0J	mg/kg	NC	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765638-4 QC Sample: L2319044-01 Client ID: S-180C1					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	0.721J	0.829	mg/kg	NC	20
Zinc, Total	0.431J	0.476J	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.3		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 14:44
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-03
Client ID: S-180D1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-04
Client ID: S-180D2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:00
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-05
Client ID: S-180D3
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:02
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-06
Client ID: S-180D4
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:03
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-07
Client ID: S-180D5
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:05
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

SAMPLE RESULTS

Lab ID: L2319044-08
Client ID: S-180D6
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 15:06
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	04/12/23 03:11	121,2540G	WJM



Lab Duplicate Analysis
Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1765552-1 QC Sample: L2318927-03 Client ID: DUP Sample						
Solids, Total	83.4	82.9	%	1		20

Project Name: 1 JAVA**Lab Number:** L2319044**Project Number:** 259889.TASK5A.CONT**Report Date:** 04/13/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2319044-01A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2319044-01B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2319044-02A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2319044-02B	Glass 500ml/16oz unpreserved	B	NA		2.5	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2319044-03A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-03X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-03Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-03Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-04A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-04X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-04Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-04Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-05A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-05X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-05Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-05Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)

Project Name: 1 JAVA**Lab Number:** L2319044**Project Number:** 259889.TASK5A.CONT**Report Date:** 04/13/23**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2319044-06A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-06X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-06Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-06Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-07A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-07X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-07Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-07Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-08A	Vial Large Septa unpreserved (4oz)	B	NA		2.5	Y	Absent		TS(7),NYTCL-8260(14)
L2319044-08X	Vial MeOH preserved split	B	NA		2.5	Y	Absent		NYTCL-8260(14)
L2319044-08Y	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)
L2319044-08Z	Vial Water preserved split	B	NA		2.5	Y	Absent	12-APR-23 09:15	NYTCL-8260(14)

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D/8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



NEW YORK

CHAIN OF CUSTODY

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5

Albany, NY 12205: 14 Walker Way

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Westborough, MA 01581

8 Walkup Dr.

TEL: 508-898-9220

FAX: 508-896-9193

Mansfield, MA 02048

320 Forbes Blvd

TEL: 508-822-9300

FAX: 508-822-3288

Page

of

Date Rec'd in Lab

4/11/23

ALPHA Job #

L2319044

Client Information

Client: CDM Smith

Address: 110 Fieldcrest Ave #5, 6th Floor Edg

Phone: 732.590.4699 NJ

Fax:

Email: orourke.d@cdsmith.com

Project Information

Project Name: I JAVA

Project Location: BROOKLYN, NY

Project # 259889.TASKA.CONST

(Use Project name as Project #) ☐

Project Manager: DAN O'ROURKE

ALPHAQuote #: 22464

Turn-Around Time

Standard ☐

Rush (only if pre approved) ☒

Due Date: 4/14/23

of Days: 2-3

Deliverables:

☒ ASP-A

☐ ASP-B

☐ EQUIS (1 File)

☐ EQUIS (4 File)

☐ Other

Billing Information

☒ Same as Client Info

PO # MSA

Regulatory Requirement

☐ NY TOGS

☐ NY Part 375

☐ AWQ Standards

☐ NY CP-51

☒ NY Restricted Use

☐ Other

☐ NY Unrestricted Use

☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ

☐ NY

☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL. TAL METALS

ANALYSIS

TCL SVOCs

TCL PCB

TCL Pesticides

TAL METALS

1,4-Dioxane

TCL VOCs

Done ☐

Lab to do ☐

Preservation ☐

Lab to do ☐

(Please Specify below)

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection

Date

Time

Sample Matrix

Sampler's Initials

19044-01	S-180C1	4/10/23	14:00	SAND	DO
02	S-180C2	4/10/23	14:00	SAND	DO
03	S-180D1	4/10/23	15:00	SAND	DO
04	S-180D2	4/10/23	15:00	SAND	DO
05	S-180D3	4/10/23	15:00	SAND	DO
06	S-180D4	4/10/23	15:00	SAND	DO
07	S-180D5	4/10/23	15:00	SAND	DO
08	S-180D6	4/10/23	15:00	SAND	DO

Preservative Code:

A = None

B = HCl

C = HNO3

D = H2SO4

E = NaOH

F = MeOH

G = NaHSO4

H = Na2S2O3

I/E = Zn Ac/NaOH

J = Other

Container Code

P = Plastic

A = Amber Glass

V = Vial

G = Glass

B = Bacteria Cup

C = Cube

O = Other

E = Encore

D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

A	A	A	A	A	A
A	A	A	A	A	A

Relinquished By:

Date/Time

Received By:

Date/Time

Paul Mazzella

4/11/23 1530

Paul Mazzella

4/11/23 1020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Total Bottles



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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2319044

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Table of Contents

New York ASP Category A Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	3
SDG Narrative	4
Data Qualifier Definitions	6
Instrument Information	9
Sample Log-in Sheet	12
Lims COC (LN01)	14
External Chain of Custody	16
Organics Analysis	17
Volatiles Data	18
Volatiles Sample Data	19
Form 1 - Organics	20
Semivolatiles Data - Method 8270	48
Semivolatiles Sample Data	49
Form 1 - Organics	50
GC PCB Analysis	62
Aroclor Sample Data	63
Form 1 - Organics	64
GC Pesticide Analysis	67
Pesticides Sample Data	68
Form 1 - Organics	69
Metals Analysis	75
Inorganic Data (ICP Analysis)	76
Form 1 - Inorganics	77
Inorganic Data (Mercury Analysis)	81
Form 1 - Inorganics	82
Wet Chemistry Analysis	86
Total Solids Analysis	87
Results	88
Form 1 - Inorganics	89

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2319044-01	S-180C1	SOIL	BROOKLYN, NY	04/10/23 14:44	04/11/23
L2319044-02	S-180C2	SOIL	BROOKLYN, NY	04/10/23 14:44	04/11/23
L2319044-03	S-180D1	SOIL	BROOKLYN, NY	04/10/23 15:00	04/11/23
L2319044-04	S-180D2	SOIL	BROOKLYN, NY	04/10/23 15:00	04/11/23
L2319044-05	S-180D3	SOIL	BROOKLYN, NY	04/10/23 15:02	04/11/23
L2319044-06	S-180D4	SOIL	BROOKLYN, NY	04/10/23 15:03	04/11/23
L2319044-07	S-180D5	SOIL	BROOKLYN, NY	04/10/23 15:05	04/11/23
L2319044-08	S-180D6	SOIL	BROOKLYN, NY	04/10/23 15:06	04/11/23

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2319044-01, -02, and -05 through -08: Discrepancies were noted between the sample labels and chain of custody. At the client's request, all collection times were obtained from the container labels.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

The WG1764999-2 LCS recovery, associated with L2319044-01 and -02, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2319044-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1765638-3 MS recoveries, performed on L2319044-01, are outside the acceptance criteria for aluminum (252%) and iron (285%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 04/13/23

Title: Technical Director/Representative

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319044
Report Date: 04/13/23

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column
 Column Length: 2 Meters packed
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 Column Length: 60 Meters
 df: 1.00 um
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1 μ L
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L2319044

Received : 11-APR-2023

Reviewer : Maile Kolton

Account Name : CDM Smith, Inc.

Project Number : 259889.TASK5A.CONT

Project Name : 1 JAVA

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.6	
B	Absent/	Ice	2.5	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**

L2319044-03A (NYTCL-8260) was received in inappropriate container.

L2319044-04A (NYTCL-8260) was received in inappropriate container.

L2319044-05A (NYTCL-8260) was received in inappropriate container.

L2319044-06A (NYTCL-8260) was received in inappropriate container.

L2319044-07A (NYTCL-8260) was received in inappropriate container.

L2319044-08A (NYTCL-8260) was received in inappropriate container.

4) Are there any discrepancies between COC & sample labels? **YES**

L2319044-01: 10-APR-23 14:00 vs. 10-APR-23 14:44

L2319044-02: 10-APR-23 14:00 vs. 10-APR-23 14:44

L2319044-05: 10-APR-23 15:00 vs. 10-APR-23 15:02

L2319044-06: 10-APR-23 15:00 vs. 10-APR-23 15:03

L2319044-07: 10-APR-23 15:00 vs. 10-APR-23 15:05

L2319044-08: 10-APR-23 15:00 vs. 10-APR-23 15:06

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **YES**

7) Are samples within holding time for requested analysis? **YES**



Sample Delivery Group Summary

Alpha Job Number : L2319044

Received : 11-APR-2023

Reviewer : Maile Kolton

Account Name : CDM Smith, Inc.

Project Number : 259889.TASK5A.CONT

Project Name : 1 JAVA

8) All sampling equipment returned?

NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?

NO

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 13 2023, 02:59 pm

Login Number: L2319044

Account: CDM-NJ CDM Smith, Inc. Project: 259889.TASK5A.CONT

Received: 11APR23 Due Date: 13APR23

Sample #	Client ID	Mat PR Collected
L2319044-01	S-180C1	3 3B 10APR23 14:44
PO Required On All Invoices ASP-A Package Due Date: 04/13/23		
ASP-A, E&I-FEE, NYTCL-8081, NYTCL-8082, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2319044-02	S-180C2	3 3B 10APR23 14:44
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8081, NYTCL-8082, NYTCL-8270, TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-TI, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-TI, SE-TI, TL-TI, V-TI, ZN-TI, TS		
L2319044-03	S-180D1	3 3B 10APR23 15:00
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		
L2319044-04	S-180D2	3 3B 10APR23 15:00
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		
L2319044-05	S-180D3	3 3B 10APR23 15:02
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		
L2319044-06	S-180D4	3 3B 10APR23 15:03
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 13 2023, 02:59 pm

Login Number: L2319044

Account: CDM-NJ CDM Smith, Inc. Project: 259889.TASK5A.CONT

Received: 11APR23 Due Date: 13APR23

Sample #	Client ID	Mat PR Collected
L2319044-07 S-180D5		3 3B 10APR23 15:05
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		
L2319044-08 S-180D6		3 3B 10APR23 15:06
PO Required On All Invoices Package Due Date: 04/13/23		
NYTCL-8260, TS		

Page 2

Logged By: Nichole Hunt



NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page

of

Date Rec'd
in Lab

4/11/23

ALPHA Job #

L2319044

Project Information

Project Name: 1 JAVA

Project Location: BROOKLYN, NY

Project # 259889.TASLSA.CONST

(Use Project name as Project #) ☐

Project Manager: DAN O'ROURKE

ALPHAQuote #: 22464

Turn-Around Time

Standard ☐

Due Date: 4/14/23

Rush (only if pre approved) ☒

of Days: 2-3

Deliverables:

☒ ASP-A

☐ ASP-B

☐ EQUIS (1 File)

☐ EQUIS (4 File)

☐ Other

Billing Information

☒ Same as Client Info

PO #

MSA

Client Information

Client: CDM Smith

Address: 110 Fieldcrest Ave

#8, 6th Floor Edin

Phone: 732.590.4699 NJ

Fax:

Email: orourke.d@cdsmith.com

Regulatory Requirement

☐ NY TOGS

☐ NY Part 375

☐ AWQ Standards

☐ NY CP-51

☒ NY Restricted Use

☐ Other

☐ NY Unrestricted Use

☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ

☐ NY

☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL. TAL METALS

ANALYSIS

Sample Filtration

☐ Done

☐ Lab to do

Preservation

☐ Lab to do

(Please Specify below)

Sample Specific Comments

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TCL SVOCs	TCL PCB	TCL Pesticides	TAL METALS	1,4-Dioxane	TCL VOCs		
		Date	Time										
19044-01	S-180C1	4/10/23	14:00	SAND	DO	X	X	X	X	X			
02	S-180C2	4/10/23	14:00	SAND	DO	X	X	X	X	X			
03	S-180D1	4/10/23	15:00	SAND	DO						X		
04	S-180D2	4/10/23	15:00	SAND	DO						X		
05	S-180D3	4/10/23	15:00	SAND	DO						X		
06	S-180D4	4/10/23	15:00	SAND	DO						X		
07	S-180D5	4/10/23	15:00	SAND	DO						X		
08	S-180D6	4/10/23	15:00	SAND	DO						X		

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

A A A A A A

Preservative

A A A A A A

Relinquished By:

Date/Time

Paul Margella 4/11/23 10:20
Paul Margella 4/11/23 1530
Chris Mann AAL 4/11/23 2250

Received By:

Date/Time

Paul Margella 4/11/23 1020
Chris Mann AAL 4/11/23 2250
Wm Wan 4/11/23 2250

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Organics

Volatiles Data

Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.	Lab Number : L2319044
Project Name : 1 JAVA	Project Number : 259889.TASK5A.CONT
Lab ID : L2319044-03	Date Collected : 04/10/23 15:00
Client ID : S-180D1	Date Received : 04/11/23
Sample Location : BROOKLYN, NY	Date Analyzed : 04/12/23 21:12
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : JIC
Lab File ID : V31230412N07	Instrument ID : VOA131
Sample Amount : 5.2 g	GC Column : RTX-VMS
Level : LOW	%Solids : 80
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	6.1	2.8	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.18	U
67-66-3	Chloroform	ND	1.8	0.17	U
56-23-5	Carbon tetrachloride	ND	1.2	0.28	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.32	U
127-18-4	Tetrachloroethene	ND	0.61	0.24	U
108-90-7	Chlorobenzene	ND	0.61	0.15	U
75-69-4	Trichlorofluoromethane	ND	4.8	0.84	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.31	U
71-55-6	1,1,1-Trichloroethane	ND	0.61	0.20	U
75-27-4	Bromodichloromethane	ND	0.61	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.61	0.19	U
542-75-6	1,3-Dichloropropene, Total	ND	0.61	0.19	U
563-58-6	1,1-Dichloropropene	ND	0.61	0.19	U
75-25-2	Bromoform	ND	4.8	0.30	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.61	0.20	U
71-43-2	Benzene	ND	0.61	0.20	U
108-88-3	Toluene	ND	1.2	0.66	U
100-41-4	Ethylbenzene	ND	1.2	0.17	U
74-87-3	Chloromethane	ND	4.8	1.1	U
74-83-9	Bromomethane	ND	2.4	0.70	U
75-01-4	Vinyl chloride	ND	1.2	0.41	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-03
 Client ID : S-180D1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N07
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:12
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 80
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.4	0.55	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.29	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.17	U
79-01-6	Trichloroethene	ND	0.61	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.21	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.24	U
179601-23-1	p/m-Xylene	ND	2.4	0.68	U
95-47-6	o-Xylene	ND	1.2	0.35	U
1330-20-7	Xylenes, Total	ND	1.2	0.35	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.21	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.17	U
74-95-3	Dibromomethane	ND	2.4	0.29	U
100-42-5	Styrene	ND	1.2	0.24	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	ND	12	5.8	U
75-15-0	Carbon disulfide	ND	12	5.5	U
78-93-3	2-Butanone	ND	12	2.7	U
108-05-4	Vinyl acetate	ND	12	2.6	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.6	U
96-18-4	1,2,3-Trichloropropane	ND	2.4	0.15	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.4	0.25	U
594-20-7	2,2-Dichloropropane	ND	2.4	0.24	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-03
 Client ID : S-180D1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N07
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:12
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 80
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.2	0.34	U
142-28-9	1,3-Dichloropropane	ND	2.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.61	0.16	U
108-86-1	Bromobenzene	ND	2.4	0.18	U
104-51-8	n-Butylbenzene	ND	1.2	0.20	U
135-98-8	sec-Butylbenzene	ND	1.2	0.18	U
98-06-6	tert-Butylbenzene	ND	2.4	0.14	U
95-49-8	o-Chlorotoluene	ND	2.4	0.23	U
106-43-4	p-Chlorotoluene	ND	2.4	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.8	0.20	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.8	0.79	U
107-13-1	Acrylonitrile	ND	4.8	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.4	0.39	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.4	0.33	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	0.23	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	0.40	U
123-91-1	1,4-Dioxane	ND	97	42.	U
105-05-5	p-Diethylbenzene	ND	2.4	0.21	U
622-96-8	p-Ethyltoluene	ND	2.4	0.47	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.4	0.23	U
60-29-7	Ethyl ether	ND	2.4	0.41	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-03	Date Collected	: 04/10/23 15:00
Client ID	: S-180D1	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 21:12
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N07	Instrument ID	: VOA131
Sample Amount	: 5.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 80
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.1	1.7	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.	Lab Number : L2319044
Project Name : 1 JAVA	Project Number : 259889.TASK5A.CONT
Lab ID : L2319044-04	Date Collected : 04/10/23 15:00
Client ID : S-180D2	Date Received : 04/11/23
Sample Location : BROOKLYN, NY	Date Analyzed : 04/12/23 21:35
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : JIC
Lab File ID : V31230412N08	Instrument ID : VOA131
Sample Amount : 5.3 g	GC Column : RTX-VMS
Level : LOW	%Solids : 80
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.9	2.7	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.17	U
67-66-3	Chloroform	ND	1.8	0.16	U
56-23-5	Carbon tetrachloride	ND	1.2	0.27	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.31	U
127-18-4	Tetrachloroethene	ND	0.59	0.23	U
108-90-7	Chlorobenzene	ND	0.59	0.15	U
75-69-4	Trichlorofluoromethane	ND	4.7	0.82	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.30	U
71-55-6	1,1,1-Trichloroethane	ND	0.59	0.20	U
75-27-4	Bromodichloromethane	ND	0.59	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.32	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.59	0.18	U
542-75-6	1,3-Dichloropropene, Total	ND	0.59	0.18	U
563-58-6	1,1-Dichloropropene	ND	0.59	0.19	U
75-25-2	Bromoform	ND	4.7	0.29	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.59	0.19	U
71-43-2	Benzene	ND	0.59	0.19	U
108-88-3	Toluene	ND	1.2	0.64	U
100-41-4	Ethylbenzene	ND	1.2	0.16	U
74-87-3	Chloromethane	ND	4.7	1.1	U
74-83-9	Bromomethane	ND	2.3	0.68	U
75-01-4	Vinyl chloride	ND	1.2	0.39	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-04
 Client ID : S-180D2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N08
 Sample Amount : 5.3 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:35
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 80
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.3	0.53	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.28	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.16	U
79-01-6	Trichloroethene	ND	0.59	0.16	U
95-50-1	1,2-Dichlorobenzene	ND	2.3	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	2.3	0.17	U
106-46-7	1,4-Dichlorobenzene	ND	2.3	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.3	0.24	U
179601-23-1	p/m-Xylene	ND	2.3	0.66	U
95-47-6	o-Xylene	ND	1.2	0.34	U
1330-20-7	Xylenes, Total	ND	1.2	0.34	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.20	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.16	U
74-95-3	Dibromomethane	ND	2.3	0.28	U
100-42-5	Styrene	ND	1.2	0.23	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	ND	12	5.6	U
75-15-0	Carbon disulfide	ND	12	5.3	U
78-93-3	2-Butanone	ND	12	2.6	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.5	U
96-18-4	1,2,3-Trichloropropane	ND	2.3	0.15	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.3	0.24	U
594-20-7	2,2-Dichloropropane	ND	2.3	0.24	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-04
 Client ID : S-180D2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N08
 Sample Amount : 5.3 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:35
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 80
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.2	0.33	U
142-28-9	1,3-Dichloropropane	ND	2.3	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.59	0.15	U
108-86-1	Bromobenzene	ND	2.3	0.17	U
104-51-8	n-Butylbenzene	ND	1.2	0.20	U
135-98-8	sec-Butylbenzene	ND	1.2	0.17	U
98-06-6	tert-Butylbenzene	ND	2.3	0.14	U
95-49-8	o-Chlorotoluene	ND	2.3	0.22	U
106-43-4	p-Chlorotoluene	ND	2.3	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.5	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.7	0.20	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.7	0.76	U
107-13-1	Acrylonitrile	ND	4.7	1.3	U
103-65-1	n-Propylbenzene	ND	1.2	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.3	0.38	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.3	0.32	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.3	0.23	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.3	0.39	U
123-91-1	1,4-Dioxane	ND	94	41.	U
105-05-5	p-Diethylbenzene	ND	2.3	0.21	U
622-96-8	p-Ethyltoluene	ND	2.3	0.45	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.3	0.22	U
60-29-7	Ethyl ether	ND	2.3	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-04	Date Collected	: 04/10/23 15:00
Client ID	: S-180D2	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 21:35
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N08	Instrument ID	: VOA131
Sample Amount	: 5.3 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 80
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.9	1.7	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-05
 Client ID : S-180D3
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N09
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:02
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:59
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	6.0	2.7	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.17	U
67-66-3	Chloroform	ND	1.8	0.17	U
56-23-5	Carbon tetrachloride	ND	1.2	0.27	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.32	U
127-18-4	Tetrachloroethene	ND	0.60	0.23	U
108-90-7	Chlorobenzene	ND	0.60	0.15	U
75-69-4	Trichlorofluoromethane	ND	4.8	0.83	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.31	U
71-55-6	1,1,1-Trichloroethane	ND	0.60	0.20	U
75-27-4	Bromodichloromethane	ND	0.60	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.32	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.60	0.19	U
542-75-6	1,3-Dichloropropene, Total	ND	0.60	0.19	U
563-58-6	1,1-Dichloropropene	ND	0.60	0.19	U
75-25-2	Bromoform	ND	4.8	0.29	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.60	0.20	U
71-43-2	Benzene	ND	0.60	0.20	U
108-88-3	Toluene	ND	1.2	0.65	U
100-41-4	Ethylbenzene	ND	1.2	0.17	U
74-87-3	Chloromethane	ND	4.8	1.1	U
74-83-9	Bromomethane	ND	2.4	0.69	U
75-01-4	Vinyl chloride	ND	1.2	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-05
 Client ID : S-180D3
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N09
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:02
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:59
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.4	0.54	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.28	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.16	U
79-01-6	Trichloroethene	ND	0.60	0.16	U
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.24	U
179601-23-1	p/m-Xylene	ND	2.4	0.67	U
95-47-6	o-Xylene	ND	1.2	0.35	U
1330-20-7	Xylenes, Total	ND	1.2	0.35	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.21	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.16	U
74-95-3	Dibromomethane	ND	2.4	0.28	U
100-42-5	Styrene	ND	1.2	0.23	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	6.5	12	5.7	J
75-15-0	Carbon disulfide	ND	12	5.4	U
78-93-3	2-Butanone	ND	12	2.6	U
108-05-4	Vinyl acetate	ND	12	2.6	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.5	U
96-18-4	1,2,3-Trichloropropane	ND	2.4	0.15	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.4	0.24	U
594-20-7	2,2-Dichloropropane	ND	2.4	0.24	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-05
 Client ID : S-180D3
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N09
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:02
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:59
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.2	0.33	U
142-28-9	1,3-Dichloropropane	ND	2.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.60	0.16	U
108-86-1	Bromobenzene	ND	2.4	0.17	U
104-51-8	n-Butylbenzene	ND	1.2	0.20	U
135-98-8	sec-Butylbenzene	ND	1.2	0.17	U
98-06-6	tert-Butylbenzene	ND	2.4	0.14	U
95-49-8	o-Chlorotoluene	ND	2.4	0.23	U
106-43-4	p-Chlorotoluene	ND	2.4	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.8	0.20	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.8	0.78	U
107-13-1	Acrylonitrile	ND	4.8	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.4	0.38	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.4	0.32	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	0.23	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	0.40	U
123-91-1	1,4-Dioxane	ND	95	42.	U
105-05-5	p-Diethylbenzene	ND	2.4	0.21	U
622-96-8	p-Ethyltoluene	ND	2.4	0.46	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.4	0.23	U
60-29-7	Ethyl ether	ND	2.4	0.41	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-05	Date Collected	: 04/10/23 15:02
Client ID	: S-180D3	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 21:59
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N09	Instrument ID	: VOA131
Sample Amount	: 5.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 81
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.0	1.7	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-06
 Client ID : S-180D4
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N10
 Sample Amount : 5.6 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:03
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 22:22
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.4	2.4	U
75-34-3	1,1-Dichloroethane	ND	1.1	0.16	U
67-66-3	Chloroform	ND	1.6	0.15	U
56-23-5	Carbon tetrachloride	ND	1.1	0.25	U
78-87-5	1,2-Dichloropropane	ND	1.1	0.13	U
124-48-1	Dibromochloromethane	ND	1.1	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.1	0.29	U
127-18-4	Tetrachloroethene	ND	0.54	0.21	U
108-90-7	Chlorobenzene	ND	0.54	0.14	U
75-69-4	Trichlorofluoromethane	ND	4.3	0.74	U
107-06-2	1,2-Dichloroethane	ND	1.1	0.28	U
71-55-6	1,1,1-Trichloroethane	ND	0.54	0.18	U
75-27-4	Bromodichloromethane	ND	0.54	0.12	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.1	0.29	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.54	0.17	U
542-75-6	1,3-Dichloropropene, Total	ND	0.54	0.17	U
563-58-6	1,1-Dichloropropene	ND	0.54	0.17	U
75-25-2	Bromoform	ND	4.3	0.26	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.54	0.18	U
71-43-2	Benzene	ND	0.54	0.18	U
108-88-3	Toluene	ND	1.1	0.58	U
100-41-4	Ethylbenzene	ND	1.1	0.15	U
74-87-3	Chloromethane	ND	4.3	1.0	U
74-83-9	Bromomethane	ND	2.1	0.62	U
75-01-4	Vinyl chloride	ND	1.1	0.36	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-06
 Client ID : S-180D4
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N10
 Sample Amount : 5.6 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:03
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 22:22
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.1	0.48	U
75-35-4	1,1-Dichloroethene	ND	1.1	0.25	U
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.15	U
79-01-6	Trichloroethene	ND	0.54	0.15	U
95-50-1	1,2-Dichlorobenzene	ND	2.1	0.15	U
541-73-1	1,3-Dichlorobenzene	ND	2.1	0.16	U
106-46-7	1,4-Dichlorobenzene	ND	2.1	0.18	U
1634-04-4	Methyl tert butyl ether	ND	2.1	0.22	U
179601-23-1	p/m-Xylene	ND	2.1	0.60	U
95-47-6	o-Xylene	ND	1.1	0.31	U
1330-20-7	Xylenes, Total	ND	1.1	0.31	U
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	1.1	0.15	U
74-95-3	Dibromomethane	ND	2.1	0.25	U
100-42-5	Styrene	ND	1.1	0.21	U
75-71-8	Dichlorodifluoromethane	ND	11	0.98	U
67-64-1	Acetone	ND	11	5.2	U
75-15-0	Carbon disulfide	ND	11	4.9	U
78-93-3	2-Butanone	ND	11	2.4	U
108-05-4	Vinyl acetate	ND	11	2.3	U
108-10-1	4-Methyl-2-pentanone	ND	11	1.4	U
96-18-4	1,2,3-Trichloropropane	ND	2.1	0.14	U
591-78-6	2-Hexanone	ND	11	1.3	U
74-97-5	Bromochloromethane	ND	2.1	0.22	U
594-20-7	2,2-Dichloropropane	ND	2.1	0.22	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-06
 Client ID : S-180D4
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N10
 Sample Amount : 5.6 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:03
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 22:22
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.1	0.30	U
142-28-9	1,3-Dichloropropane	ND	2.1	0.18	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.54	0.14	U
108-86-1	Bromobenzene	ND	2.1	0.16	U
104-51-8	n-Butylbenzene	ND	1.1	0.18	U
135-98-8	sec-Butylbenzene	ND	1.1	0.16	U
98-06-6	tert-Butylbenzene	ND	2.1	0.13	U
95-49-8	o-Chlorotoluene	ND	2.1	0.20	U
106-43-4	p-Chlorotoluene	ND	2.1	0.12	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.1	U
87-68-3	Hexachlorobutadiene	ND	4.3	0.18	U
98-82-8	Isopropylbenzene	ND	1.1	0.12	U
99-87-6	p-Isopropyltoluene	ND	1.1	0.12	U
91-20-3	Naphthalene	ND	4.3	0.70	U
107-13-1	Acrylonitrile	ND	4.3	1.2	U
103-65-1	n-Propylbenzene	ND	1.1	0.18	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.1	0.34	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.1	0.29	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.1	0.21	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.1	0.36	U
123-91-1	1,4-Dioxane	ND	86	38.	U
105-05-5	p-Diethylbenzene	ND	2.1	0.19	U
622-96-8	p-Ethyltoluene	ND	2.1	0.41	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.1	0.20	U
60-29-7	Ethyl ether	ND	2.1	0.36	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-06	Date Collected	: 04/10/23 15:03
Client ID	: S-180D4	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 22:22
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N10	Instrument ID	: VOA131
Sample Amount	: 5.6 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 83
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.4	1.5	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.	Lab Number : L2319044
Project Name : 1 JAVA	Project Number : 259889.TASK5A.CONT
Lab ID : L2319044-07	Date Collected : 04/10/23 15:05
Client ID : S-180D5	Date Received : 04/11/23
Sample Location : BROOKLYN, NY	Date Analyzed : 04/12/23 22:46
Sample Matrix : SOIL	Dilution Factor : 1
Analytical Method : 1,8260D	Analyst : JIC
Lab File ID : V31230412N11	Instrument ID : VOA131
Sample Amount : 5.1 g	GC Column : RTX-VMS
Level : LOW	%Solids : 81
Extract Volume (MeOH) : N/A	Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	6.1	2.8	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.18	U
67-66-3	Chloroform	ND	1.8	0.17	U
56-23-5	Carbon tetrachloride	ND	1.2	0.28	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.17	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.32	U
127-18-4	Tetrachloroethene	ND	0.61	0.24	U
108-90-7	Chlorobenzene	ND	0.61	0.16	U
75-69-4	Trichlorofluoromethane	ND	4.9	0.85	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.31	U
71-55-6	1,1,1-Trichloroethane	ND	0.61	0.20	U
75-27-4	Bromodichloromethane	ND	0.61	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.61	0.19	U
542-75-6	1,3-Dichloropropene, Total	ND	0.61	0.19	U
563-58-6	1,1-Dichloropropene	ND	0.61	0.19	U
75-25-2	Bromoform	ND	4.9	0.30	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.61	0.20	U
71-43-2	Benzene	ND	0.61	0.20	U
108-88-3	Toluene	ND	1.2	0.66	U
100-41-4	Ethylbenzene	ND	1.2	0.17	U
74-87-3	Chloromethane	ND	4.9	1.1	U
74-83-9	Bromomethane	ND	2.4	0.71	U
75-01-4	Vinyl chloride	ND	1.2	0.41	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-07
 Client ID : S-180D5
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N11
 Sample Amount : 5.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:05
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 22:46
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.4	0.55	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.29	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.17	U
79-01-6	Trichloroethene	ND	0.61	0.17	U
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.21	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.24	U
179601-23-1	p/m-Xylene	ND	2.4	0.68	U
95-47-6	o-Xylene	ND	1.2	0.36	U
1330-20-7	Xylenes, Total	ND	1.2	0.36	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.21	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.17	U
74-95-3	Dibromomethane	ND	2.4	0.29	U
100-42-5	Styrene	ND	1.2	0.24	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	ND	12	5.9	U
75-15-0	Carbon disulfide	ND	12	5.6	U
78-93-3	2-Butanone	ND	12	2.7	U
108-05-4	Vinyl acetate	ND	12	2.6	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.6	U
96-18-4	1,2,3-Trichloropropane	ND	2.4	0.16	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.4	0.25	U
594-20-7	2,2-Dichloropropane	ND	2.4	0.25	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-07
 Client ID : S-180D5
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N11
 Sample Amount : 5.1 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:05
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 22:46
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.2	0.34	U
142-28-9	1,3-Dichloropropane	ND	2.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.61	0.16	U
108-86-1	Bromobenzene	ND	2.4	0.18	U
104-51-8	n-Butylbenzene	ND	1.2	0.20	U
135-98-8	sec-Butylbenzene	ND	1.2	0.18	U
98-06-6	tert-Butylbenzene	ND	2.4	0.14	U
95-49-8	o-Chlorotoluene	ND	2.4	0.23	U
106-43-4	p-Chlorotoluene	ND	2.4	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.7	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.9	0.21	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.9	0.79	U
107-13-1	Acrylonitrile	ND	4.9	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.21	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.4	0.39	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.4	0.33	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	0.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	0.41	U
123-91-1	1,4-Dioxane	ND	98	43.	U
105-05-5	p-Diethylbenzene	ND	2.4	0.22	U
622-96-8	p-Ethyltoluene	ND	2.4	0.47	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.4	0.23	U
60-29-7	Ethyl ether	ND	2.4	0.42	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-07	Date Collected	: 04/10/23 15:05
Client ID	: S-180D5	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 22:46
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N11	Instrument ID	: VOA131
Sample Amount	: 5.1 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 81
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.1	1.7	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-08
 Client ID : S-180D6
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N12
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:06
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 23:10
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 82
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.9	2.7	U
75-34-3	1,1-Dichloroethane	ND	1.2	0.17	U
67-66-3	Chloroform	ND	1.8	0.16	U
56-23-5	Carbon tetrachloride	ND	1.2	0.27	U
78-87-5	1,2-Dichloropropane	ND	1.2	0.15	U
124-48-1	Dibromochloromethane	ND	1.2	0.16	U
79-00-5	1,1,2-Trichloroethane	ND	1.2	0.32	U
127-18-4	Tetrachloroethene	ND	0.59	0.23	U
108-90-7	Chlorobenzene	ND	0.59	0.15	U
75-69-4	Trichlorofluoromethane	ND	4.7	0.82	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.30	U
71-55-6	1,1,1-Trichloroethane	ND	0.59	0.20	U
75-27-4	Bromodichloromethane	ND	0.59	0.13	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.32	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.59	0.19	U
542-75-6	1,3-Dichloropropene, Total	ND	0.59	0.19	U
563-58-6	1,1-Dichloropropene	ND	0.59	0.19	U
75-25-2	Bromoform	ND	4.7	0.29	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.59	0.20	U
71-43-2	Benzene	ND	0.59	0.20	U
108-88-3	Toluene	ND	1.2	0.64	U
100-41-4	Ethylbenzene	ND	1.2	0.17	U
74-87-3	Chloromethane	ND	4.7	1.1	U
74-83-9	Bromomethane	ND	2.4	0.69	U
75-01-4	Vinyl chloride	ND	1.2	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-08
 Client ID : S-180D6
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N12
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:06
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 23:10
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 82
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.4	0.54	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.28	U
156-60-5	trans-1,2-Dichloroethene	ND	1.8	0.16	U
79-01-6	Trichloroethene	ND	0.59	0.16	U
95-50-1	1,2-Dichlorobenzene	ND	2.4	0.17	U
541-73-1	1,3-Dichlorobenzene	ND	2.4	0.18	U
106-46-7	1,4-Dichlorobenzene	ND	2.4	0.20	U
1634-04-4	Methyl tert butyl ether	ND	2.4	0.24	U
179601-23-1	p/m-Xylene	ND	2.4	0.66	U
95-47-6	o-Xylene	ND	1.2	0.34	U
1330-20-7	Xylenes, Total	ND	1.2	0.34	U
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.21	U
540-59-0	1,2-Dichloroethene, Total	ND	1.2	0.16	U
74-95-3	Dibromomethane	ND	2.4	0.28	U
100-42-5	Styrene	ND	1.2	0.23	U
75-71-8	Dichlorodifluoromethane	ND	12	1.1	U
67-64-1	Acetone	ND	12	5.7	U
75-15-0	Carbon disulfide	ND	12	5.4	U
78-93-3	2-Butanone	ND	12	2.6	U
108-05-4	Vinyl acetate	ND	12	2.5	U
108-10-1	4-Methyl-2-pentanone	ND	12	1.5	U
96-18-4	1,2,3-Trichloropropane	ND	2.4	0.15	U
591-78-6	2-Hexanone	ND	12	1.4	U
74-97-5	Bromochloromethane	ND	2.4	0.24	U
594-20-7	2,2-Dichloropropane	ND	2.4	0.24	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-08
 Client ID : S-180D6
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N12
 Sample Amount : 5.2 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:06
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 23:10
 Dilution Factor : 1
 Analyst : JIC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : 82
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.2	0.33	U
142-28-9	1,3-Dichloropropane	ND	2.4	0.20	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.59	0.16	U
108-86-1	Bromobenzene	ND	2.4	0.17	U
104-51-8	n-Butylbenzene	ND	1.2	0.20	U
135-98-8	sec-Butylbenzene	ND	1.2	0.17	U
98-06-6	tert-Butylbenzene	ND	2.4	0.14	U
95-49-8	o-Chlorotoluene	ND	2.4	0.23	U
106-43-4	p-Chlorotoluene	ND	2.4	0.13	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	1.2	U
87-68-3	Hexachlorobutadiene	ND	4.7	0.20	U
98-82-8	Isopropylbenzene	ND	1.2	0.13	U
99-87-6	p-Isopropyltoluene	ND	1.2	0.13	U
91-20-3	Naphthalene	ND	4.7	0.77	U
107-13-1	Acrylonitrile	ND	4.7	1.4	U
103-65-1	n-Propylbenzene	ND	1.2	0.20	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.4	0.38	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.4	0.32	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.4	0.23	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.4	0.40	U
123-91-1	1,4-Dioxane	ND	95	42.	U
105-05-5	p-Diethylbenzene	ND	2.4	0.21	U
622-96-8	p-Ethyltoluene	ND	2.4	0.45	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.4	0.23	U
60-29-7	Ethyl ether	ND	2.4	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: CDM Smith, Inc.	Lab Number	: L2319044
Project Name	: 1 JAVA	Project Number	: 259889.TASK5A.CONT
Lab ID	: L2319044-08	Date Collected	: 04/10/23 15:06
Client ID	: S-180D6	Date Received	: 04/11/23
Sample Location	: BROOKLYN, NY	Date Analyzed	: 04/12/23 23:10
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: JIC
Lab File ID	: V31230412N12	Instrument ID	: VOA131
Sample Amount	: 5.2 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 82
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.9	1.7	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766125-5
 Client ID : WG1766125-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 20:01
 Dilution Factor : 1
 Analyst : LAC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	5.0	2.3	U
75-34-3	1,1-Dichloroethane	ND	1.0	0.14	U
67-66-3	Chloroform	ND	1.5	0.14	U
56-23-5	Carbon tetrachloride	ND	1.0	0.23	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.12	U
124-48-1	Dibromochloromethane	ND	1.0	0.14	U
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.27	U
127-18-4	Tetrachloroethene	ND	0.50	0.20	U
108-90-7	Chlorobenzene	ND	0.50	0.13	U
75-69-4	Trichlorofluoromethane	ND	4.0	0.70	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.17	U
75-27-4	Bromodichloromethane	ND	0.50	0.11	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.27	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.16	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.16	U
563-58-6	1,1-Dichloropropene	ND	0.50	0.16	U
75-25-2	Bromoform	ND	4.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.17	U
108-88-3	Toluene	ND	1.0	0.54	U
100-41-4	Ethylbenzene	ND	1.0	0.14	U
74-87-3	Chloromethane	ND	4.0	0.93	U
74-83-9	Bromomethane	ND	2.0	0.58	U
75-01-4	Vinyl chloride	ND	1.0	0.34	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766125-5
 Client ID : WG1766125-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 20:01
 Dilution Factor : 1
 Analyst : LAC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
75-00-3	Chloroethane	ND	2.0	0.45	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.14	U
79-01-6	Trichloroethene	ND	0.50	0.14	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.14	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.15	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.17	U
1634-04-4	Methyl tert butyl ether	ND	2.0	0.20	U
179601-23-1	p/m-Xylene	ND	2.0	0.56	U
95-47-6	o-Xylene	ND	1.0	0.29	U
1330-20-7	Xylenes, Total	ND	1.0	0.29	U
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.18	U
540-59-0	1,2-Dichloroethene, Total	ND	1.0	0.14	U
74-95-3	Dibromomethane	ND	2.0	0.24	U
100-42-5	Styrene	ND	1.0	0.20	U
75-71-8	Dichlorodifluoromethane	ND	10	0.92	U
67-64-1	Acetone	ND	10	4.8	U
75-15-0	Carbon disulfide	ND	10	4.6	U
78-93-3	2-Butanone	ND	10	2.2	U
108-05-4	Vinyl acetate	ND	10	2.2	U
108-10-1	4-Methyl-2-pentanone	ND	10	1.3	U
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.13	U
591-78-6	2-Hexanone	ND	10	1.2	U
74-97-5	Bromochloromethane	ND	2.0	0.20	U
594-20-7	2,2-Dichloropropane	ND	2.0	0.20	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766125-5
 Client ID : WG1766125-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 20:01
 Dilution Factor : 1
 Analyst : LAC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	U
142-28-9	1,3-Dichloropropane	ND	2.0	0.17	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	U
108-86-1	Bromobenzene	ND	2.0	0.14	U
104-51-8	n-Butylbenzene	ND	1.0	0.17	U
135-98-8	sec-Butylbenzene	ND	1.0	0.15	U
98-06-6	tert-Butylbenzene	ND	2.0	0.12	U
95-49-8	o-Chlorotoluene	ND	2.0	0.19	U
106-43-4	p-Chlorotoluene	ND	2.0	0.11	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.0	U
87-68-3	Hexachlorobutadiene	ND	4.0	0.17	U
98-82-8	Isopropylbenzene	ND	1.0	0.11	U
99-87-6	p-Isopropyltoluene	ND	1.0	0.11	U
91-20-3	Naphthalene	ND	4.0	0.65	U
107-13-1	Acrylonitrile	ND	4.0	1.2	U
103-65-1	n-Propylbenzene	ND	1.0	0.17	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.32	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.27	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.19	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.33	U
123-91-1	1,4-Dioxane	ND	80	35.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.18	U
622-96-8	p-Ethyltoluene	ND	2.0	0.38	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.19	U
60-29-7	Ethyl ether	ND	2.0	0.34	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766125-5
 Client ID : WG1766125-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V31230412N04
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 20:01
 Dilution Factor : 1
 Analyst : LAC
 Instrument ID : VOA131
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U



Semivolatiles Data- Method 8270

Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-01
 Sample Amount : 30.8 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:10
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	170	19.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	23.	U
91-58-7	2-Chloronaphthalene	ND	170	17.	U
95-50-1	1,2-Dichlorobenzene	ND	170	30.	U
541-73-1	1,3-Dichlorobenzene	ND	170	29.	U
106-46-7	1,4-Dichlorobenzene	ND	170	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	45.	U
121-14-2	2,4-Dinitrotoluene	ND	170	34.	U
606-20-2	2,6-Dinitrotoluene	ND	170	29.	U
206-44-0	Fluoranthene	ND	100	20.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	26.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	29.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	17.	U
87-68-3	Hexachlorobutadiene	ND	170	25.	U
77-47-4	Hexachlorocyclopentadiene	ND	490	150	U
67-72-1	Hexachloroethane	ND	140	28.	U
78-59-1	Isophorone	ND	150	22.	U
91-20-3	Naphthalene	ND	170	21.	U
98-95-3	Nitrobenzene	ND	150	25.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-01
 Sample Amount : 30.8 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:10
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	140	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	59.	U
85-68-7	Butyl benzyl phthalate	ND	170	43.	U
84-74-2	Di-n-butylphthalate	ND	170	32.	U
117-84-0	Di-n-octylphthalate	ND	170	58.	U
84-66-2	Diethyl phthalate	ND	170	16.	U
131-11-3	Dimethyl phthalate	ND	170	36.	U
56-55-3	Benzo(a)anthracene	ND	100	19.	U
50-32-8	Benzo(a)pyrene	ND	140	42.	U
205-99-2	Benzo(b)fluoranthene	ND	100	29.	U
207-08-9	Benzo(k)fluoranthene	ND	100	27.	U
218-01-9	Chrysene	ND	100	18.	U
208-96-8	Acenaphthylene	ND	140	26.	U
120-12-7	Anthracene	ND	100	33.	U
191-24-2	Benzo(ghi)perylene	ND	140	20.	U
86-73-7	Fluorene	ND	170	16.	U
85-01-8	Phenanthrene	ND	100	21.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	24.	U
129-00-0	Pyrene	ND	100	17.	U
92-52-4	Biphenyl	ND	390	22.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-01
 Sample Amount : 30.8 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:10
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	170	31.	U
88-74-4	2-Nitroaniline	ND	170	33.	U
99-09-2	3-Nitroaniline	ND	170	32.	U
100-01-6	4-Nitroaniline	ND	170	70.	U
132-64-9	Dibenzofuran	ND	170	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	18.	U
98-86-2	Acetophenone	ND	170	21.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	32.	U
59-50-7	p-Chloro-m-cresol	ND	170	25.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	27.	U
105-67-9	2,4-Dimethylphenol	ND	170	56.	U
88-75-5	2-Nitrophenol	ND	370	64.	U
100-02-7	4-Nitrophenol	ND	240	70.	U
51-28-5	2,4-Dinitrophenol	ND	820	79.	U
534-52-1	4,6-Dinitro-o-cresol	ND	440	82.	U
87-86-5	Pentachlorophenol	ND	140	37.	U
108-95-2	Phenol	ND	170	26.	U
95-48-7	2-Methylphenol	ND	170	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	27.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	33.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-01
 Sample Amount : 30.8 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:10
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	550	170	U
100-51-6	Benzyl Alcohol	ND	170	52.	U
86-74-8	Carbazole	ND	170	16.	U
123-91-1	1,4-Dioxane	ND	26	7.8	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-02
 Sample Amount : 30.63 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:58
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	140	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	170	19.	U
118-74-1	Hexachlorobenzene	ND	100	19.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	23.	U
91-58-7	2-Chloronaphthalene	ND	170	17.	U
95-50-1	1,2-Dichlorobenzene	ND	170	30.	U
541-73-1	1,3-Dichlorobenzene	ND	170	29.	U
106-46-7	1,4-Dichlorobenzene	ND	170	30.	U
91-94-1	3,3'-Dichlorobenzidine	ND	170	45.	U
121-14-2	2,4-Dinitrotoluene	ND	170	34.	U
606-20-2	2,6-Dinitrotoluene	ND	170	29.	U
206-44-0	Fluoranthene	ND	100	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	170	26.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	29.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	17.	U
87-68-3	Hexachlorobutadiene	ND	170	25.	U
77-47-4	Hexachlorocyclopentadiene	ND	480	150	U
67-72-1	Hexachloroethane	ND	140	27.	U
78-59-1	Isophorone	ND	150	22.	U
91-20-3	Naphthalene	ND	170	21.	U
98-95-3	Nitrobenzene	ND	150	25.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-02
 Sample Amount : 30.63 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:58
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	140	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	170	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	170	58.	U
85-68-7	Butyl benzyl phthalate	ND	170	43.	U
84-74-2	Di-n-butylphthalate	ND	170	32.	U
117-84-0	Di-n-octylphthalate	ND	170	58.	U
84-66-2	Diethyl phthalate	ND	170	16.	U
131-11-3	Dimethyl phthalate	ND	170	36.	U
56-55-3	Benzo(a)anthracene	ND	100	19.	U
50-32-8	Benzo(a)pyrene	ND	140	41.	U
205-99-2	Benzo(b)fluoranthene	ND	100	28.	U
207-08-9	Benzo(k)fluoranthene	ND	100	27.	U
218-01-9	Chrysene	ND	100	18.	U
208-96-8	Acenaphthylene	ND	140	26.	U
120-12-7	Anthracene	ND	100	33.	U
191-24-2	Benzo(ghi)perylene	ND	140	20.	U
86-73-7	Fluorene	ND	170	16.	U
85-01-8	Phenanthrene	ND	100	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	100	20.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	24.	U
129-00-0	Pyrene	ND	100	17.	U
92-52-4	Biphenyl	ND	390	22.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-02
 Sample Amount : 30.63 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:58
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	170	31.	U
88-74-4	2-Nitroaniline	ND	170	33.	U
99-09-2	3-Nitroaniline	ND	170	32.	U
100-01-6	4-Nitroaniline	ND	170	70.	U
132-64-9	Dibenzofuran	ND	170	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	18.	U
98-86-2	Acetophenone	ND	170	21.	U
88-06-2	2,4,6-Trichlorophenol	ND	100	32.	U
59-50-7	p-Chloro-m-cresol	ND	170	25.	U
95-57-8	2-Chlorophenol	ND	170	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	27.	U
105-67-9	2,4-Dimethylphenol	ND	170	56.	U
88-75-5	2-Nitrophenol	ND	360	64.	U
100-02-7	4-Nitrophenol	ND	240	69.	U
51-28-5	2,4-Dinitrophenol	ND	810	79.	U
534-52-1	4,6-Dinitro-o-cresol	ND	440	81.	U
87-86-5	Pentachlorophenol	ND	140	37.	U
108-95-2	Phenol	ND	170	26.	U
95-48-7	2-Methylphenol	ND	170	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	170	32.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 19044-02
 Sample Amount : 30.63 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 01:58
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : LJG
 Instrument ID : GCMS5
 GC Column : RTX5-MS
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	550	170	U
100-51-6	Benzyl Alcohol	ND	170	52.	U
86-74-8	Carbazole	ND	170	16.	U
123-91-1	1,4-Dioxane	ND	25	7.8	U

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1764999-1
 Client ID : WG1764999-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 764999-1
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/11/23 10:37
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : SV124
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	130	17.	U
120-82-1	1,2,4-Trichlorobenzene	ND	160	19.	U
118-74-1	Hexachlorobenzene	ND	99	18.	U
111-44-4	Bis(2-chloroethyl)ether	ND	150	22.	U
91-58-7	2-Chloronaphthalene	ND	160	16.	U
95-50-1	1,2-Dichlorobenzene	ND	160	30.	U
541-73-1	1,3-Dichlorobenzene	ND	160	28.	U
106-46-7	1,4-Dichlorobenzene	ND	160	29.	U
91-94-1	3,3'-Dichlorobenzidine	ND	160	44.	U
121-14-2	2,4-Dinitrotoluene	ND	160	33.	U
606-20-2	2,6-Dinitrotoluene	ND	160	28.	U
206-44-0	Fluoranthene	ND	99	19.	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	160	18.	U
101-55-3	4-Bromophenyl phenyl ether	ND	160	25.	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	28.	U
111-91-1	Bis(2-chloroethoxy)methane	ND	180	16.	U
87-68-3	Hexachlorobutadiene	ND	160	24.	U
77-47-4	Hexachlorocyclopentadiene	ND	470	150	U
67-72-1	Hexachloroethane	ND	130	27.	U
78-59-1	Isophorone	ND	150	21.	U
91-20-3	Naphthalene	ND	160	20.	U
98-95-3	Nitrobenzene	ND	150	24.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1764999-1
 Client ID : WG1764999-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 764999-1
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/11/23 10:37
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : SV124
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
86-30-6	NDPA/DPA	ND	130	19.	U
621-64-7	n-Nitrosodi-n-propylamine	ND	160	26.	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	160	57.	U
85-68-7	Butyl benzyl phthalate	ND	160	42.	U
84-74-2	Di-n-butylphthalate	ND	160	31.	U
117-84-0	Di-n-octylphthalate	ND	160	56.	U
84-66-2	Diethyl phthalate	ND	160	15.	U
131-11-3	Dimethyl phthalate	ND	160	35.	U
56-55-3	Benzo(a)anthracene	ND	99	18.	U
50-32-8	Benzo(a)pyrene	ND	130	40.	U
205-99-2	Benzo(b)fluoranthene	ND	99	28.	U
207-08-9	Benzo(k)fluoranthene	ND	99	26.	U
218-01-9	Chrysene	ND	99	17.	U
208-96-8	Acenaphthylene	ND	130	26.	U
120-12-7	Anthracene	ND	99	32.	U
191-24-2	Benzo(ghi)perylene	ND	130	19.	U
86-73-7	Fluorene	ND	160	16.	U
85-01-8	Phenanthrene	ND	99	20.	U
53-70-3	Dibenzo(a,h)anthracene	ND	99	19.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	130	23.	U
129-00-0	Pyrene	ND	99	16.	U
92-52-4	Biphenyl	ND	380	21.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1764999-1
 Client ID : WG1764999-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 764999-1
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/11/23 10:37
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : SV124
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
106-47-8	4-Chloroaniline	ND	160	30.	U
88-74-4	2-Nitroaniline	ND	160	32.	U
99-09-2	3-Nitroaniline	ND	160	31.	U
100-01-6	4-Nitroaniline	ND	160	68.	U
132-64-9	Dibenzofuran	ND	160	16.	U
91-57-6	2-Methylnaphthalene	ND	200	20.	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	17.	U
98-86-2	Acetophenone	ND	160	20.	U
88-06-2	2,4,6-Trichlorophenol	ND	99	31.	U
59-50-7	p-Chloro-m-cresol	ND	160	25.	U
95-57-8	2-Chlorophenol	ND	160	20.	U
120-83-2	2,4-Dichlorophenol	ND	150	26.	U
105-67-9	2,4-Dimethylphenol	ND	160	54.	U
88-75-5	2-Nitrophenol	ND	360	62.	U
100-02-7	4-Nitrophenol	ND	230	67.	U
51-28-5	2,4-Dinitrophenol	ND	790	77.	U
534-52-1	4,6-Dinitro-o-cresol	ND	430	79.	U
87-86-5	Pentachlorophenol	ND	130	36.	U
108-95-2	Phenol	ND	160	25.	U
95-48-7	2-Methylphenol	ND	160	26.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	240	26.	U
95-95-4	2,4,5-Trichlorophenol	ND	160	32.	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1764999-1
 Client ID : WG1764999-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8270E
 Lab File ID : 764999-1
 Sample Amount : 30.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/11/23 10:37
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : IM
 Instrument ID : SV124
 GC Column : RTX5-MS
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
65-85-0	Benzoic Acid	ND	540	170	U
100-51-6	Benzyl Alcohol	ND	160	50.	U
86-74-8	Carbazole	ND	160	16.	U
123-91-1	1,4-Dioxane	ND	25	7.6	U

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor Sample Data

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 21230412a-31
 Sample Amount : 15.87 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 17:12
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST21
 GC Column : CLP-Pesticide
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	33.0	2.94	U
11104-28-2	Aroclor 1221	ND	33.0	3.31	U
11141-16-5	Aroclor 1232	ND	33.0	7.01	U
53469-21-9	Aroclor 1242	ND	33.0	4.46	U
12672-29-6	Aroclor 1248	ND	33.0	4.96	U
11097-69-1	Aroclor 1254	ND	33.0	3.62	U
11096-82-5	Aroclor 1260	ND	33.0	6.11	U
37324-23-5	Aroclor 1262	ND	33.0	4.20	U
11100-14-4	Aroclor 1268	ND	33.0	3.42	U
1336-36-3	PCBs, Total	ND	33.0	2.94	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : 21230412a-32
 Sample Amount : 15.17 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 17:19
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AD
 Instrument ID : PEST21
 GC Column : CLP-Pesticide
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	34.2	3.04	U
11104-28-2	Aroclor 1221	ND	34.2	3.42	U
11141-16-5	Aroclor 1232	ND	34.2	7.25	U
53469-21-9	Aroclor 1242	ND	34.2	4.61	U
12672-29-6	Aroclor 1248	ND	34.2	5.13	U
11097-69-1	Aroclor 1254	ND	34.2	3.74	U
11096-82-5	Aroclor 1260	ND	34.2	6.32	U
37324-23-5	Aroclor 1262	ND	34.2	4.34	U
11100-14-4	Aroclor 1268	ND	34.2	3.54	U
1336-36-3	PCBs, Total	ND	34.2	3.04	U

Results Summary

Form 1

Polychlorinated Biphenyls by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765224-1
 Client ID : WG1765224-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8082A
 Lab File ID : P7230412a-03
 Sample Amount : 15.19 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 07:56
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : JM
 Instrument ID : PEST7
 GC Column : CLP-Pesticide
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
12674-11-2	Aroclor 1016	ND	32.9	2.92	U
11104-28-2	Aroclor 1221	ND	32.9	3.30	U
11141-16-5	Aroclor 1232	ND	32.9	6.98	U
53469-21-9	Aroclor 1242	ND	32.9	4.44	U
12672-29-6	Aroclor 1248	ND	32.9	4.94	U
11097-69-1	Aroclor 1254	ND	32.9	3.60	U
11096-82-5	Aroclor 1260	ND	32.9	6.08	U
37324-23-5	Aroclor 1262	ND	32.9	4.18	U
11100-14-4	Aroclor 1268	ND	32.9	3.41	U
1336-36-3	PCBs, Total	ND	32.9	2.92	U

GC Extractable Analysis Pesticides

Pesticide Sample Data

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10230413a-08
 Sample Amount : 15.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 11:39
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AKM
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.65	0.323	U
58-89-9	Lindane	ND	0.687	0.307	U
319-84-6	Alpha-BHC	ND	0.687	0.195	U
319-85-7	Beta-BHC	ND	1.65	0.625	U
76-44-8	Heptachlor	ND	0.825	0.370	U
309-00-2	Aldrin	ND	1.65	0.581	U
1024-57-3	Heptachlor epoxide	ND	3.09	0.928	U
72-20-8	Endrin	ND	0.687	0.282	U
7421-93-4	Endrin aldehyde	ND	2.06	0.722	U
53494-70-5	Endrin ketone	ND	1.65	0.425	U
60-57-1	Dieldrin	ND	1.03	0.515	U
72-55-9	4,4'-DDE	ND	1.65	0.381	U
72-54-8	4,4'-DDD	ND	1.65	0.588	U
50-29-3	4,4'-DDT	ND	1.65	1.33	U
959-98-8	Endosulfan I	ND	1.65	0.390	U
33213-65-9	Endosulfan II	ND	1.65	0.551	U
1031-07-8	Endosulfan sulfate	ND	0.687	0.327	U
72-43-5	Methoxychlor	ND	3.09	0.962	U
8001-35-2	Toxaphene	ND	30.9	8.66	U
5103-71-9	cis-Chlordane	ND	2.06	0.574	U
5103-74-2	trans-Chlordane	ND	2.06	0.544	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10230413a-08
 Sample Amount : 15.27 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 11:39
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AKM
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : 95
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	13.7	5.46	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10230413a-09
 Sample Amount : 15.2 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 11:50
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AKM
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.64	0.321	U
58-89-9	Lindane	ND	0.682	0.305	U
319-84-6	Alpha-BHC	ND	0.682	0.194	U
319-85-7	Beta-BHC	ND	1.64	0.621	U
76-44-8	Heptachlor	ND	0.819	0.367	U
309-00-2	Aldrin	ND	1.64	0.577	U
1024-57-3	Heptachlor epoxide	ND	3.07	0.921	U
72-20-8	Endrin	ND	0.682	0.280	U
7421-93-4	Endrin aldehyde	ND	2.05	0.716	U
53494-70-5	Endrin ketone	ND	1.64	0.422	U
60-57-1	Dieldrin	ND	1.02	0.512	U
72-55-9	4,4'-DDE	ND	1.64	0.379	U
72-54-8	4,4'-DDD	ND	1.64	0.584	U
50-29-3	4,4'-DDT	ND	1.64	1.32	U
959-98-8	Endosulfan I	ND	1.64	0.387	U
33213-65-9	Endosulfan II	ND	1.64	0.547	U
1031-07-8	Endosulfan sulfate	ND	0.682	0.325	U
72-43-5	Methoxychlor	ND	3.07	0.955	U
8001-35-2	Toxaphene	ND	30.7	8.60	U
5103-71-9	cis-Chlordane	ND	2.05	0.570	U
5103-74-2	trans-Chlordane	ND	2.05	0.540	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 10230413a-09
 Sample Amount : 15.2 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 11:50
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : AKM
 Instrument ID : PEST10
 GC Column : CLPPesticides
 %Solids : 96
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	13.6	5.42	U

Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765178-1
 Client ID : WG1765178-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8081B
 Lab File ID : 18230412a-07
 Sample Amount : 15.73 g
 Extraction Method : EPA 3546
 Extract Volume : 1000 uL
 GPC Cleanup : N
 Sulfur Cleanup : Y

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 11:40
 Date Extracted : 04/11/23
 Dilution Factor : 1
 Analyst : AAR
 Instrument ID : PEST18
 GC Column : CLPPesticides
 %Solids : NA
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
319-86-8	Delta-BHC	ND	1.52	0.299	U
58-89-9	Lindane	ND	0.636	0.284	U
319-84-6	Alpha-BHC	ND	0.636	0.180	U
319-85-7	Beta-BHC	ND	1.52	0.578	U
76-44-8	Heptachlor	ND	0.763	0.342	U
309-00-2	Aldrin	ND	1.52	0.537	U
1024-57-3	Heptachlor epoxide	ND	2.86	0.858	U
72-20-8	Endrin	ND	0.636	0.261	U
7421-93-4	Endrin aldehyde	ND	1.91	0.668	U
53494-70-5	Endrin ketone	ND	1.52	0.393	U
60-57-1	Dieldrin	ND	0.954	0.477	U
72-55-9	4,4'-DDE	ND	1.52	0.353	U
72-54-8	4,4'-DDD	ND	1.52	0.544	U
50-29-3	4,4'-DDT	ND	1.52	1.23	U
959-98-8	Endosulfan I	ND	1.52	0.360	U
33213-65-9	Endosulfan II	ND	1.52	0.510	U
1031-07-8	Endosulfan sulfate	ND	0.636	0.303	U
72-43-5	Methoxychlor	ND	2.86	0.890	U
8001-35-2	Toxaphene	ND	28.6	8.01	U
5103-71-9	cis-Chlordane	ND	1.91	0.531	U
5103-74-2	trans-Chlordane	ND	1.91	0.503	U



Results Summary

Form 1

Organochlorine Pesticides by GC

Client : CDM Smith, Inc.	Lab Number : L2319044
Project Name : 1 JAVA	Project Number : 259889.TASK5A.CONT
Lab ID : WG1765178-1	Date Collected : NA
Client ID : WG1765178-1BLANK	Date Received : NA
Sample Location :	Date Analyzed : 04/12/23 11:40
Sample Matrix : SOIL	Date Extracted : 04/11/23
Analytical Method : 1,8081B	Dilution Factor : 1
Lab File ID : 18230412a-07	Analyst : AAR
Sample Amount : 15.73 g	Instrument ID : PEST18
Extraction Method : EPA 3546	GC Column : CLPPesticides
Extract Volume : 1000 uL	%Solids : NA
GPC Cleanup : N	Injection Volume : 1 uL
Sulfur Cleanup : Y	

CAS NO.	Parameter	ug/Kg			Qualifier
		Results	RL	MDL	
57-74-9	Chlordane	ND	12.7	5.05	U

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : CDM Smith, Inc.
Project Name : 1 JAVA
Lab ID : L2319044-01
Client ID : S-180C1
Sample Location : BROOKLYN, NY
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG1765587.pdf
Sample Amount : 1.311g
Digestion Method : EPA 3050B

Lab Number : L2319044
Project Number : 259889.TASK5A.CONT
Date Collected : 04/10/23 14:44
Date Received : 04/11/23
Date Analyzed : 04/12/23 14:14
Dilution Factor : 2
Analyst : DMB
Instrument ID : TRACE9
%Solids : 95
Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	419	8.00	2.16	
7440-36-0	Antimony, Total	ND	4.00	0.304	U
7440-38-2	Arsenic, Total	0.193	0.800	0.166	J
7440-39-3	Barium, Total	1.52	0.800	0.139	
7440-41-7	Beryllium, Total	ND	0.400	0.026	U
7440-43-9	Cadmium, Total	ND	0.800	0.078	U
7440-70-2	Calcium, Total	239	8.00	2.80	
7440-47-3	Chromium, Total	0.684	0.800	0.077	J
7440-48-4	Cobalt, Total	ND	1.60	0.133	U
7440-50-8	Copper, Total	ND	0.800	0.206	U
7439-89-6	Iron, Total	204	4.00	0.723	
7439-92-1	Lead, Total	0.795	4.00	0.214	J
7439-95-4	Magnesium, Total	133	8.00	1.23	
7439-96-5	Manganese, Total	2.05	0.800	0.127	
7440-02-0	Nickel, Total	0.299	2.00	0.194	J
7440-09-7	Potassium, Total	18.0	200	11.5	J
7782-49-2	Selenium, Total	ND	1.60	0.206	U
7440-22-4	Silver, Total	ND	0.400	0.226	U
7440-23-5	Sodium, Total	ND	160	2.52	U
7440-28-0	Thallium, Total	ND	1.60	0.252	U
7440-62-2	Vanadium, Total	0.721	0.800	0.162	J
7440-66-6	Zinc, Total	0.431	4.00	0.234	J

Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1765587.pdf
 Sample Amount : 1.277g
 Digestion Method : EPA 3050B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 14:06
 Dilution Factor : 2
 Analyst : DMB
 Instrument ID : TRACE9
 %Solids : 96
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	384	8.12	2.19	
7440-36-0	Antimony, Total	ND	4.06	0.309	U
7440-38-2	Arsenic, Total	0.311	0.812	0.169	J
7440-39-3	Barium, Total	1.21	0.812	0.141	
7440-41-7	Beryllium, Total	ND	0.406	0.027	U
7440-43-9	Cadmium, Total	ND	0.812	0.080	U
7440-70-2	Calcium, Total	216	8.12	2.84	
7440-47-3	Chromium, Total	0.734	0.812	0.078	J
7440-48-4	Cobalt, Total	ND	1.62	0.135	U
7440-50-8	Copper, Total	ND	0.812	0.210	U
7439-89-6	Iron, Total	223	4.06	0.734	
7439-92-1	Lead, Total	0.666	4.06	0.218	J
7439-95-4	Magnesium, Total	147	8.12	1.25	
7439-96-5	Manganese, Total	2.41	0.812	0.129	
7440-02-0	Nickel, Total	0.242	2.03	0.196	J
7440-09-7	Potassium, Total	48.2	203	11.7	J
7782-49-2	Selenium, Total	ND	1.62	0.210	U
7440-22-4	Silver, Total	ND	0.406	0.230	U
7440-23-5	Sodium, Total	ND	162	2.56	U
7440-28-0	Thallium, Total	ND	1.62	0.256	U
7440-62-2	Vanadium, Total	0.744	0.812	0.165	J
7440-66-6	Zinc, Total	0.563	4.06	0.238	J

Form 1 METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765638-1
 Client ID : WG1765638-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1765587.pdf
 Sample Amount : 1.25g
 Digestion Method : EPA 3050B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 14:00
 Dilution Factor : 1
 Analyst : DMB
 Instrument ID : TRACE9
 %Solids : NA
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	4.00	1.08	U
7440-36-0	Antimony, Total	ND	2.00	0.152	U
7440-38-2	Arsenic, Total	ND	0.400	0.083	U
7440-39-3	Barium, Total	ND	0.400	0.070	U
7440-41-7	Beryllium, Total	ND	0.200	0.013	U
7440-43-9	Cadmium, Total	ND	0.400	0.039	U
7440-70-2	Calcium, Total	ND	4.00	1.40	U
7440-47-3	Chromium, Total	ND	0.400	0.038	U
7440-48-4	Cobalt, Total	ND	0.800	0.066	U
7440-50-8	Copper, Total	ND	0.400	0.103	U
7439-89-6	Iron, Total	ND	2.00	0.361	U
7439-92-1	Lead, Total	ND	2.00	0.107	U
7439-95-4	Magnesium, Total	ND	4.00	0.616	U
7439-96-5	Manganese, Total	ND	0.400	0.064	U
7440-02-0	Nickel, Total	ND	1.00	0.097	U
7440-09-7	Potassium, Total	ND	100	5.76	U
7782-49-2	Selenium, Total	ND	0.800	0.103	U
7440-22-4	Silver, Total	ND	0.200	0.113	U
7440-23-5	Sodium, Total	ND	80.0	1.26	U
7440-28-0	Thallium, Total	ND	0.800	0.126	U
7440-62-2	Vanadium, Total	ND	0.400	0.081	U
7440-66-6	Zinc, Total	ND	2.00	0.117	U

Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765638-4
 Client ID : S-180C1DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1765587.pdf
 Sample Amount : 1.272g
 Digestion Method : EPA 3050B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 14:19
 Dilution Factor : 2
 Analyst : DMB
 Instrument ID : TRACE9
 %Solids : 95
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	472.	8.25	2.23	
7440-36-0	Antimony, Total	ND	4.12	0.313	U
7440-38-2	Arsenic, Total	0.217	0.825	0.172	J
7440-39-3	Barium, Total	1.32	0.825	0.144	
7440-41-7	Beryllium, Total	ND	0.412	0.027	U
7440-43-9	Cadmium, Total	ND	0.825	0.081	U
7440-70-2	Calcium, Total	253	8.25	2.89	
7440-47-3	Chromium, Total	0.746	0.825	0.079	J
7440-48-4	Cobalt, Total	ND	1.65	0.137	U
7440-50-8	Copper, Total	ND	0.825	0.213	U
7439-89-6	Iron, Total	221	4.12	0.745	
7439-92-1	Lead, Total	0.744	4.12	0.221	J
7439-95-4	Magnesium, Total	137	8.25	1.27	
7439-96-5	Manganese, Total	2.01	0.825	0.131	
7440-02-0	Nickel, Total	0.255	2.06	0.200	J
7440-09-7	Potassium, Total	23.0	206	11.9	J
7782-49-2	Selenium, Total	ND	1.65	0.213	U
7440-22-4	Silver, Total	ND	0.412	0.233	U
7440-23-5	Sodium, Total	ND	165	2.60	U
7440-28-0	Thallium, Total	ND	1.65	0.260	U
7440-62-2	Vanadium, Total	0.829	0.825	0.167	
7440-66-6	Zinc, Total	0.476	4.12	0.242	J

Inorganic Data (Mercury Analysis)

Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1765628.pdf
 Sample Amount : 0.394g
 Digestion Method : EPA 7471B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 16:28
 Dilution Factor : 1
 Analyst : DMB
 Instrument ID : NIC3
 %Solids : 95
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.067	0.043	U



Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1765628.pdf
 Sample Amount : 0.39g
 Digestion Method : EPA 7471B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 16:41
 Dilution Factor : 1
 Analyst : DMB
 Instrument ID : NIC3
 %Solids : 96
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.067	0.043	U



Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765637-1
 Client ID : WG1765637-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1765628.pdf
 Sample Amount : 0.3g
 Digestion Method : EPA 7471B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 16:15
 Dilution Factor : 1
 Analyst : DMB
 Instrument ID : NIC3
 %Solids : NA
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.083	0.054	U



Form 1

METALS

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765637-4
 Client ID : S-180C1DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,7471B
 Lab File ID : WG1765628.pdf
 Sample Amount : 0.399g
 Digestion Method : EPA 7471B

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:44
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 16:35
 Dilution Factor : 1
 Analyst : DMB
 Instrument ID : NIC3
 %Solids : 95
 Date Digested : 04/12/23

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.066	0.043	U

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 95
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	95.3	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 14:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 96
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	96.4	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-03
 Client ID : S-180D1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 80
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.0	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-04
 Client ID : S-180D2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 80
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.1	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-05
 Client ID : S-180D3
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 81
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.2	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-06
 Client ID : S-180D4
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 83
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.9	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-07
 Client ID : S-180D5
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 81
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.1	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319044-08
 Client ID : S-180D6
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 15:00
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 82
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	81.7	0.100	NA	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765552-1
 Client ID : WG1765552-1 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765552.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319044
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 10:40
 Date Received : 04/10/23
 Date Analyzed : 04/12/23 03:11
 Dilution Factor : 1
 Analyst : WJM
 Instrument ID : BALANCE#53
 %Solids : 83
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.9	0.100	NA	





ANALYTICAL REPORT

Lab Number:	L2319245
Client:	CDM Smith, Inc. 110 Fieldcrest Ave No. 8 Edison, NJ 08837
ATTN:	Dan O'Rourke
Phone:	(732) 225-7500
Project Name:	1 JAVA
Project Number:	259889.TASK5A.CONT
Report Date:	04/14/23

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2319245-01	S-180C1	SOIL	BROOKLYN, NY	04/10/23 13:41	04/11/23
L2319245-02	S-180C2	SOIL	BROOKLYN, NY	04/10/23 13:54	04/11/23

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2319245-01: The collection date and time on the chain of custody was 10-APR-23 14:40; however, the collection date/time on the container label was 10-APR-23 13:41. At the client's request, the collection date/time is reported as 10-APR-23 13:41.

L2319245-02: The collection date and time on the chain of custody was 10-APR-23 14:40; however, the collection date/time on the container label was 10-APR-23 13:54. At the client's request, the collection date/time is reported as 10-APR-23 13:54.

Perfluorinated Alkyl Acids by Isotope Dilution

L2319245-01, -02, WG1765793-1, WG1765793-2, WG1765793-3, and WG1765793-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2319245-01: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (5%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The results are confirmed by the batch QC performed on this sample.

L2319245-02: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2319245-02: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The results are confirmed by the batch QC performed on this

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

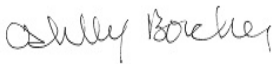
Lab Number: L2319245
Report Date: 04/14/23

Case Narrative (continued)

sample.

WG1766251-2: The Extracted Internal Standard recovery for the WG1766251-2 LCS, associated with L2319245-01 and -02, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (5%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Ashley Boucher

Title: Technical Director/Representative

Date: 04/14/23

ORGANICS

SEMIVOLATILES

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:41
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/12/23 20:41
Analyst: SG
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.461	0.021	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.461	0.042	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.230	0.036	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.461	0.048	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.230	0.042	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.230	0.056	1
Perfluorooctanoic Acid (PFOA)	0.050	J	ng/g	0.230	0.039	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.461	0.166	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.461	0.126	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.230	0.069	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.230	0.120	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.230	0.062	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.461	0.265	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.461	0.043	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.461	0.141	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.461	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.461	0.065	1
PFOA/PFOS, Total	0.050	J	ng/g	0.230	0.039	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:41
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	36	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	36	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	35	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	34	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	33	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	35	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	33	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	34		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	30	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	27	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	30	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	23		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	8	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	28	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	5	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	20	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	2	Q	24-159

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-01 RE
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:41
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/13/23 23:29
Analyst: JW
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 04/13/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	1.50	0.606	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	1.50	0.254	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	1.50	0.615	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	1.50	0.162	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	33		24-159

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:54
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/12/23 21:14
Analyst: SG
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.473	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.473	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.236	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.473	0.050	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.236	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.236	0.057	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.236	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.473	0.170	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.473	0.129	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.236	0.071	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.236	0.123	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.236	0.063	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.473	0.271	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.473	0.191	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.473	0.044	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.473	0.145	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.473	0.066	1
PFOA/PFOS, Total	ND		ng/g	0.236	0.040	1

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:54
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	43	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	43	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	44	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	39	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	39	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	46	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	39	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	42		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	37	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	38	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	37	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	31		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	15	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	35	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	9	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	26	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	2	Q	24-159

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:54
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/14/23 11:58
Analyst: JW
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.473	0.093	1
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	53			10-117		

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-02 RE
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:54
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/13/23 23:45
Analyst: JW
Percent Solids: 96%

Extraction Method: ALPHA 23528
Extraction Date: 04/13/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	1.70	0.288	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/g	1.70	0.698	1
Perfluorotetradecanoic Acid (PFTTA)	ND		ng/g	1.70	0.184	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	72		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	43		24-159

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/12/23 19:34
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1765793-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/12/23 19:34
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1765793-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	69	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	68	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	74	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	72	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	70	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	69	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	73	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	55		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	23	Q	24-159

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/14/23 11:46
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 04/12/23 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1765793-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	56		10-117

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/13/23 22:39
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 04/13/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1766251-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 04/13/23 22:39
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 04/13/23 11:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1766251-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	120		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	110		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	116		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765793-2								
Perfluorobutanoic Acid (PFBA)	94		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	95		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	88		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	94		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	100		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	90		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	95		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	98		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	94		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	91		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	125		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	97		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765793-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	71	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	65	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	76	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	69	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	82				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	67	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	70	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	71	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	24				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1765793-2								
Perfluorooctanesulfonamide (FOSA)	90		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	55				10-117

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1766251-2								
Perfluorobutanoic Acid (PFBA)	94		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	93		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	90		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	99		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	90		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	91		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	82		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	98		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	119		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	101		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1766251-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	90				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	95				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61				24-159

Matrix Spike Analysis **Batch Quality Control**

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765793-3 QC Sample: L2319245-01 Client ID: S-180C1												
Perfluorobutanoic Acid (PFBA)	ND	4.58	4.45	97		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.58	4.57	100		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.07	4.10	101		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.58	4.48	98		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.58	4.56	100		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.19	3.94	94		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.050J	4.58	4.36	94		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.36	4.45	102		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.37	4.86	111		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.58	4.61	101		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.25	4.03	95		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.58	4.47	98		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.4	3.76	86		-	-		65-137	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.58	4.42	97		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.42	3.81	86		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	4.58	4.81	105		-	-		67-137	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.58	4.63	101		-	-		69-135	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	35				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	44				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	13	Q			34-137

Matrix Spike Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765793-3 QC Sample: L2319245-01 Client ID: S-180C1												

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	15	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	35	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	37	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	38	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	38	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	44	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	30	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	4	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	41	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	41	Q			58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	36	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	39	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	38	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	42	Q			74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1766251-3 WG1766251-4 QC Sample: L2319583-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	1.38	9.34	9.92	91		9.64	90		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	0.222J	9.34	9.06	95		8.88	95		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	8.29	7.93	96		7.66	94		72-128	3		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	8.76	8.75	100		8.57	100		62-145	2		30
Perfluorohexanoic Acid (PFHxA)	0.245J	9.34	8.70	91		8.79	93		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	8.8	7.75	88		7.58	88		73-123	2		30
Perfluoroheptanoic Acid (PFHpA)	0.292J	9.34	9.39	97		9.10	96		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	8.54	7.99	94		7.65	91		67-130	4		30
Perfluorooctanoic Acid (PFOA)	0.412J	9.34	8.78	90		8.72	91		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	8.89	8.61	97		8.75	100		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	8.91	10.7	120		9.90	113		70-132	8		30
Perfluorononanoic Acid (PFNA)	0.292J	9.34	9.96	104		9.25	98		72-129	7		30
Perfluorooctanesulfonic Acid (PFOS)	0.274J	8.67	8.76	98		8.20	93		68-136	7		30
Perfluorodecanoic Acid (PFDA)	ND	9.34	9.22	99		9.11	99		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	8.97	8.62	96		8.77	100		65-137	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	8.98	10.5	117		9.75	111		69-125	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	9.34	8.62	92		9.73	106		63-144	12		30
Perfluoroundecanoic Acid (PFUnA)	0.087J	9.34	7.79	83		8.15	88		64-136	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	9.02	8.92	99		8.42	95		59-134	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	9.34	10.3	110		10.2	111		61-139	1		30
Perfluorododecanoic Acid (PFDoA)	ND	9.34	8.84	95		8.79	96		69-135	1		30
Perfluorotridecanoic Acid (PFTTrDA)	ND	9.34	7.72	83		8.31	91		66-139	7		30

Matrix Spike Analysis**Batch Quality Control**

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1766251-3 WG1766251-4 QC Sample: L2319583-03 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	9.34	10.3	110		9.82	107		69-133	5		30

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		103		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	116		115		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129		128		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		43		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		52		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		94		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		85		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		76		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		103		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		73		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	8	Q	12	Q	24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		81		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		81		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		88		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		82		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		79		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		93		74-139

Lab Duplicate Analysis Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765793-4 QC Sample: L2319245-02 Client ID: S-180C2						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	43	Q	40	Q	61-135

Lab Duplicate Analysis Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765793-4 QC Sample: L2319245-02 Client ID: S-180C2						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	43	Q	40	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	44	Q	42	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	39	Q	38	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	39	Q	38	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	46	Q	44	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	39	Q	39	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	42		42		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	37	Q	38	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	38	Q	36	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	37	Q	37	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	31		32		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	15	Q	14	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	35	Q	35	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	9	Q	11	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	26	Q	28	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	2	Q	3	Q	24-159

INORGANICS & MISCELLANEOUS

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-01
Client ID: S-180C1
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:41
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.4		%	0.100	0.100	1	-	04/12/23 13:47	121,2540G	SJK



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

SAMPLE RESULTS

Lab ID: L2319245-02
Client ID: S-180C2
Sample Location: BROOKLYN, NY

Date Collected: 04/10/23 13:54
Date Received: 04/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	96.1		%	0.100	0.100	1	-	04/12/23 13:47	121,2540G	SJK



Lab Duplicate Analysis
Batch Quality Control

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1765858-1 QC Sample: L2314933-21 Client ID: DUP Sample						
Solids, Total	80.6	82.1	%	2		10

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Serial_No:04142316:29
Lab Number: L2319245
Report Date: 04/14/23

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2319245-01A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		A2-TS(7)
L2319245-01B	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(90)
L2319245-02A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		A2-TS(7)
L2319245-02B	Plastic 8oz unpreserved	A	NA		2.6	Y	Absent		A2-NY-537-ISOTOPE(90)

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Serial_No:04142316:29
Lab Number: L2319245
Report Date: 04/14/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Serial_No:04142316:29
Lab Number: L2319245
Report Date: 04/14/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Data Qualifiers

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 19

Published Date: 4/2/2021 1:14:23 PM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Page
of

4/11/23

L2319245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2319245

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Table of Contents

New York ASP Category A Data Deliverable Package.....	1
Table of Contents	2
Sample ID Cross Reference	3
SDG Narrative	4
Data Qualifier Definitions	7
Instrument Information	10
Sample Log-in Sheet	13
Lims COC (LN01)	14
External Chain of Custody	15
Organics Analysis	16
PFAAs via EPA 537 by Isotope Dilution	17
Semivolatiles Sample Data	18
Form 1 - Organics	19
Wet Chemistry Analysis	30
Total Solids Analysis	31
Results	32
Form 1 - Inorganics	33

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2319245-01	S-180C1	SOIL	BROOKLYN, NY	04/10/23 13:41	04/11/23
L2319245-02	S-180C2	SOIL	BROOKLYN, NY	04/10/23 13:54	04/11/23

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2319245-01: The collection date and time on the chain of custody was 10-APR-23 14:40; however, the collection date/time on the container label was 10-APR-23 13:41. At the client's request, the collection date/time is reported as 10-APR-23 13:41.

L2319245-02: The collection date and time on the chain of custody was 10-APR-23 14:40; however, the collection date/time on the container label was 10-APR-23 13:54. At the client's request, the collection date/time is reported as 10-APR-23 13:54.

Perfluorinated Alkyl Acids by Isotope Dilution

L2319245-01, -02, WG1765793-1, WG1765793-2, WG1765793-3, and WG1765793-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2319245-01: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (8%), n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (5%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The results are confirmed by the batch QC performed on this sample.

L2319245-02: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2319245-02: The Extracted Internal Standard recoveries were less than 10% for n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (9%) and perfluoro[1,2-13c2]tetradecanoic acid (m2pfteda) (2%); however, the criteria were achieved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds. The results are confirmed by the batch QC performed on this sample.

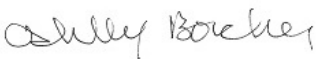
Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Case Narrative (continued)

WG1766251-2: The Extracted Internal Standard recovery for the WG1766251-2 LCS, associated with L2319245-01 and -02, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (5%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Report Date: 04/14/23
Title: Technical Director/Representative

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
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- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: 1 JAVA
Project Number: 259889.TASK5A.CONT

Lab Number: L2319245
Report Date: 04/14/23

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers





Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)
 Purge time: 11 min

Columns (length x ID x df):
 RTX-VMS 20m x 0.18mm x 1um
 RTX-VMS 30m x 0.25mm x 1.4um
 RTX-502.2 40m x 0.18mm x 1um

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: EST Encon (or equivalent)
 Autosampler: EST Centurion (or equivalent)

Column Type: Restek RTX 502.2
 Column Length: 105 Meters
 df: 3.00 um
 ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD
 Trap: Supelco K Trap (VOACARB 3000)
 Concentrator: Tekmar Velocity / EST Encon
 Autosampler: Varian Archon / EST Centurion
 Purge time: 11 min

Column Type: DB-VRX
 Column Length: 60 Meters
 df: 1.40 um
 ID: 0.25 mm
 Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD

Column Type: Haysep S Column
 Column Length: 2 Meters packed
 (100/200 mesh)

Autosampler: LEAP Headspace

Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200
 Autosampler: Entech 7016CA or 7016D

Column Type: Restek RTX-1
 Column Length: 60 Meters
 df: 1.00 um
 ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material



Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.32 μ m
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 μ L; 2 μ L LVI
Column Type: Restek RXI-5SILMS	df: 0.25 μ m
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1 μ L
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLP Pesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1 μ L
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	



Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Alpha Job Number : L2319245

Received : 11-APR-2023

Reviewer : Maile Kolton

Account Name : CDM Smith, Inc.

Project Number : 259889.TASK5A.CONT

Project Name : 1 JAVA

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.6	

Condition Information

- | | |
|---|-----|
| 1) All samples on COC received? | YES |
| 2) Extra samples received? | NO |
| 3) Are there any sample container discrepancies? | NO |
| 4) Are there any discrepancies between COC & sample labels?
L2319245-01: 10-APR-23 14:40 vs. 10-APR-23 13:41
L2319245-02: 10-APR-23 14:40 vs. 10-APR-23 13:54 | YES |
| 5) Are samples in appropriate containers for requested analysis? | YES |
| 6) Are samples properly preserved for requested analysis? | YES |
| 7) Are samples within holding time for requested analysis? | YES |
| 8) All sampling equipment returned? | NA |

Volatile Organics/VPH

- | | |
|--|----|
| 1) Reagent Water Vials Frozen by Client? | NA |
|--|----|

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Apr 14 2023, 04:41 pm

Login Number: L2319245

Account: CDM-NJ CDM Smith, Inc. Project: 259889.TASK5A.CONT

Received: 11APR23 Due Date: 14APR23

Sample #	Client ID	Mat PR Collected
L2319245-01 S-180C1		3 5E 10APR23 13:41
ASP-A Package Due Date: 04/14/23		
A2-NY-537-ISOTOPE, A2-TS, ASP-A, E&I-FEE		
L2319245-02 S-180C2		3 5E 10APR23 13:54
Package Due Date: 04/14/23		
A2-NY-537-ISOTOPE, A2-TS		

Page 1

Logged By: Alycia Mogayzel

Organics

PFAAs via EPA 537 by Isotope Dilution

Semivolatile Sample Data

Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79506
 Sample Amount : 4.5 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:41
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 20:41
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : SG
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.461	0.021	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.461	0.042	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.230	0.036	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.461	0.048	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.230	0.042	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.230	0.056	U
335-67-1	Perfluorooctanoic Acid (PFOA)	0.050	0.230	0.039	J
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.461	0.166	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.461	0.126	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.230	0.069	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.230	0.120	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.230	0.062	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.461	0.265	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.461	0.043	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.461	0.141	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.461	0.090	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.461	0.065	U
NONE	PFOA/PFOS, Total	0.050	0.230	0.039	J



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-01RE
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79602
 Sample Amount : 1.38 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:41
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 23:29
 Date Extracted : 04/13/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.50	0.606	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.50	0.254	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.50	0.615	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.50	0.162	U

Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79508
 Sample Amount : 4.4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:54
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:14
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : SG
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.473	0.022	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.473	0.044	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.236	0.037	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.473	0.050	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.236	0.043	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.236	0.057	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.236	0.040	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.473	0.170	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.473	0.129	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.236	0.071	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.236	0.123	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.236	0.063	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.473	0.271	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.473	0.191	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.473	0.044	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.473	0.145	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.473	0.066	U
NONE	PFOA/PFOS, Total	ND	0.236	0.040	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : SCI02_56177
 Sample Amount : 4.4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:54
 Date Received : 04/11/23
 Date Analyzed : 04/14/23 11:58
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS04
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.473	0.093	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-02RE
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79603
 Sample Amount : 1.22 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:54
 Date Received : 04/11/23
 Date Analyzed : 04/13/23 23:45
 Date Extracted : 04/13/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.70	0.288	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.70	0.698	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	1.70	0.184	U

Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765793-1
 Client ID : WG1765793-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79502
 Sample Amount : 4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 19:34
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : SG
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.500	0.023	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.500	0.046	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.250	0.039	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.500	0.053	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.250	0.045	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.250	0.061	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.250	0.042	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.500	0.180	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.500	0.136	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.250	0.075	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.250	0.130	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.250	0.067	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.500	0.287	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.500	0.202	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.500	0.047	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.500	0.153	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.500	0.098	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.500	0.085	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765793-1
 Client ID : WG1765793-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79502
 Sample Amount : 4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/12/23 19:34
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : SG
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.500	0.070	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.500	0.204	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.500	0.054	U
NONE	PFOA/PFOS, Total	ND	0.250	0.042	U

Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765793-1
 Client ID : WG1765793-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : SCI02_56175
 Sample Amount : 4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/14/23 11:46
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS04
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.500	0.098	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765793-4
 Client ID : S-180C2DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79509
 Sample Amount : 4.37 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:54
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 21:31
 Date Extracted : 04/12/23
 Dilution Factor : 1
 Analyst : SG
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : 96
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.476	0.022	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.476	0.044	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.238	0.037	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.476	0.050	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.238	0.043	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.238	0.058	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.238	0.040	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.476	0.171	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.476	0.130	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.238	0.071	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.238	0.124	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.238	0.064	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.476	0.273	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.476	0.192	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.476	0.045	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.476	0.146	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.476	0.067	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766251-1
 Client ID : WG1766251-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79599
 Sample Amount : 4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/13/23 22:39
 Date Extracted : 04/13/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	0.500	0.023	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	0.500	0.046	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	0.250	0.039	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	0.500	0.053	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	0.250	0.045	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	0.250	0.061	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	0.250	0.042	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	0.500	0.180	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.500	0.136	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	0.250	0.075	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	0.250	0.130	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	0.250	0.067	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	0.500	0.287	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	0.500	0.202	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	0.500	0.047	U
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	0.500	0.153	U
754-91-6	Perfluorooctanesulfonamide (FOSA)	ND	0.500	0.098	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	0.500	0.085	U



Results Summary

Form 1

Perfluorinated Alkyl Acids by Isotope Dilution

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1766251-1
 Client ID : WG1766251-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 134,LCMSMS-ID
 Lab File ID : I79599
 Sample Amount : 4 g
 Extraction Method : ALPHA 23528
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 04/13/23 22:39
 Date Extracted : 04/13/23
 Dilution Factor : 1
 Analyst : JW
 Instrument ID : LCMS02
 GC Column : Acquity UPLC BEH C18
 %Solids : NA
 Injection Volume : 3 uL

CAS NO.	Parameter	ng/g			Qualifier
		Results	RL	MDL	
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	0.500	0.070	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	0.500	0.204	U
376-06-7	Perfluorotetradecanoic Acid (PFTA)	ND	0.500	0.054	U
NONE	PFOA/PFOS, Total	ND	0.250	0.042	U

Wet Chemistry

Total Solids / Percent Moisture Analysis

Results

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-01
 Client ID : S-180C1
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765858.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:41
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 13:47
 Dilution Factor : 1
 Analyst : SJK
 Instrument ID : BALANCE#18
 %Solids : 96
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	96.4	0.100	0.100	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : L2319245-02
 Client ID : S-180C2
 Sample Location : BROOKLYN, NY
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765858.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 04/10/23 13:54
 Date Received : 04/11/23
 Date Analyzed : 04/12/23 13:47
 Dilution Factor : 1
 Analyst : SJK
 Instrument ID : BALANCE#18
 %Solids : 96
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	96.1	0.100	0.100	

Form 1

WETCHEM

Client : CDM Smith, Inc.
 Project Name : 1 JAVA
 Lab ID : WG1765858-1
 Client ID : WG1765858-1 DUP
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG1765858.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2319245
 Project Number : 259889.TASK5A.CONT
 Date Collected : 03/21/23 12:25
 Date Received : 03/22/23
 Date Analyzed : 04/12/23 13:47
 Dilution Factor : 1
 Analyst : SJK
 Instrument ID : BALANCE#18
 %Solids : 81
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	82.1	0.100	0.100	





**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin, sand as part of the proposed waterfront development work. A portion of this work occurs within the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source, and no more than 8.5% of this material passes through the #80 sieve. In accordance with NYSDEC DER-10, Section 5.5, no chemical testing is required for this material.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The attached analysis confirms no more than 8.5% of this material passes through the #80 sieve.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Vulcan Materials Company

Location where fill was obtained:

Hamburg Stone Quarry

Identification of any state or local approvals as a fill source:

NYSDOT (#8-48R)

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Virgin Source certification and gradation report.

The information provided on this form is accurate and complete.

Robert Kovacs

Signature

10/4/2022

Date

Brian Morrissey, P.E.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm

Tony Casale Inc.

1185 Saw Mill River Rd.
Yonkers, NY 1710
Phone: 914-375-2177 Fax: 914-375-0620

Date **6/26/23**

Lendlease
200 Park Avenue, 9th Floor,
New York, NY 10166

Project: 1 Java Street

ATTN: Will Bardoel

Transmitted via:

E-mail ☒

Messenger/Hand

Fed Ex ☐

Separate Cover

UPS ☐

Fax

[illegible]

Submitted For:

☐
☒

 Review & Information Approval

Should you have any questions or concerns, please contact me.
Thank you.

REVIEWED

By Timothy A. Craul at 9:08 pm, Jul 23, 2023

Daniel Halas

Sample:**#1 Java Soil Layer S3**

Sample Submitted By: The Dirt Company - Northeast

Date Received:	22-Jun-23
Testing Dates:	6/22-6/26
Report Date:	26-Jun-23

Particle Size Analysis

% Gravel	4.3%
% Sand	94.8%
% Silt	0.5%
% Clay	0.4%

Sand Sieve Size Analysis

(ASTM F-1632-03)

% Passing

(No. 4) Gravel (> 4.75 mm)	1.4%	98.6%
(No. 10) Fine Gravel (4.75 - 2.0 mm)	2.9%	95.7%
(No. 18) Very Coarse Sand (2.0 - 1.0 mm)	8.3%	87.4%
(No. 35) Coarse Sand (1.0 - 0.5 mm)	28.9%	58.5%
(No. 60) Medium Sand (0.5 - 0.25 mm)	42.1%	16.4%
(No. 140) Fine Sand (0.25 - 0.10 mm)	14.5%	1.9%
(No. 270) Very Fine Sand (0.10 - 0.05 mm)	1.0%	0.9%
Silt (0.05 - 0.002 mm)	0.5%	
Clay (< 0.002 mm)	0.4%	

(ASTM F-1647-11, Method A - LOI)

pH	Organic Matter %
7.4	0.13%

Comments

Sample tested as received.



Timothy A. Craul
282 Whiteman Drive
Centre Hall, PA 16828

Voice: (814) 280-5127 Email: tcraul@crauland.com

Soils Submittal Package: 1 Java; # 24

Description: S3 Material – Dirt Company NE, A. McNitt&Seren Soil Testing (date 6/26/23)

Physical and Chemical Parameters:

Particle Size	Specified Ranges	Submitted
< 2.0 mm (#10)	90 – 100	95.7
> 1.0 mm (#18)	80 – 95	87.4
> 0.5 mm (#35)	60 – 80	58.5
> 0.25 mm (#60)	10 – 40	16.4
> 0.10 mm (#140)	8 – 15	1.9
> 0.05 mm (#270)	1 – 10	0.9
> 0.002 mm (silt)	1 – 6%	0.5%
<0.002 mm (clay)	0 – 4%	0.4%

Property	Specified	Submitted
pH	4.5-7.0	7.4
CEC		N/A
Soluble Salts	< 1.5 mS/cm	N/A
SAR*	< 12	N/A
ESP*	< 10	N/A
OM	<0.25	0.13

*Calcium, Magnesium, and Sodium are required data to calculate SAR

^Exchangeable Sodium and Cation Exchange Capacity is required to calculate ESP

pH is slightly high. Will drop over time.

Nutrient Analysis: N/A

				Limits mg/kg per dry wt. basis (Suggested)	
Macro Nutrients	Dry wt. Basis	Submitted	Micro Nutrients	Submitted	
Nitrogen, Total (N)	0.15% (1,500 mg/kg)		Boron (B)	(50)	
Phosphorous (P)	0.004% (20-40 mg/kg)		Manganese (Mn)	(2,500)	
Potassium (K)	0.06% (200-600 mg/kg)		Copper (Cu)	<15 (1.2 - 5.5)	
Calcium (Ca)	0.6% (1,500-6,000 mg/kg)		Zinc (Zn)	<10 (1.1 - 9.4)	
Magnesium (Mg)	0.3% (3,000 mg/kg)		Selenium (Se)	36	
Sulfur (S)	<0.0025% (10 - 25 mg/kg)		Iron (Fe)	(<25,000)	
Sodium (Na)	<0.025% (<250 mg/kg)				
Exchangeable Sodium	(mg/kg)				



Approved



Revise and Resubmit



Rejected



Submit Specified Item



Furnish as Corrected

This review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on the drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Approval of a specific material shall not include approval of a mixture of which the material is a component. Contractor is responsible for: dimensions to be confirmed and correlated at the job site; information that pertains solely to the installation processes or to the means, methods, techniques, sequences and procedures of construction; coordination or their work with that of all other trades; and for performing all work in a safe and satisfactory manner.

Craul Land Scientists, Inc.

282 Whiteman Drive, Centre Hall, PA 16828

BY:

DATE: July 23, 2023

Date 7/20/23

Project: **1 Java Street**

Fax 

APPROVED

CRAUL

LAND SCIENTISTS
ENVIRONMENTAL CONSULTANTS

Kenneth J. Cull

Mike Festo

Mr. Mike Festo

June 25, 2021

Tony Casale, Inc.

1185 Saw Mill River Road

Yonkers, NY 10710

To Whom it May Concern,

In response to the request for a letter of clarification regarding the Soil Layer S3, S2 and S1 material that will be transported to your 1 Java Project, please allow me to offer the following.

The S3 material is 100% virgin sand that has been dredged from the aquifer that supplies Long Island with it's drinking water. It comes from a NYSDEC approved mine located at 151 South Street, Manorville, NY., Sparrow Mining of Suffolk, LLC (d.b.a. Ranco Sand and Stone), operating under Permit #1-4722-00218/00001.

The S2 material is a blend of the above mentioned S3 material, and a topsoil component that comes from our selected topsoil supplier located at 650 Moriches-Middle Island Road, Moriches, NY 11955. Prior to shipment to my blending facility, the topsoil component was subjected to Part 375 NYSDEC testing, meeting unrestricted residential standards, in order to be transported to the facility for use.

The S1 material is a blend of the above mentioned S3, the topsoil component that is also used in S2, and leaf compost the originates at the MacArthur Composting Facility, 110 Railroad Ave., Ronkonkoma, NY 11779. This facility is licensed with the NYSDEC to produce compost and is a member of the U.S. Composting Council, operating under strict guidelines of both.

Any stockpiles that are sampled will remain segregated from other soils and will be properly maintained at the blending facility.

The aforementioned materials proposed for import to the project site do not contain any C&D debris, do not exhibit any observable indicators of contamination (i.e., petroleum staining and odors) and have not been in contact with a spill of petroleum, hazardous waste or industrial waste.

I make engineered soils for a variety of projects at the above mentioned Ranco Sand and Stone facility that are shipped into the New York Metropolitan area on a daily basis, and are subjected to the highest levels of scrutiny. The standards for environmental safety that are maintained at the facility are of the

highest level. We recently completed a project at the American Museum of Natural History that required environmental testing for each 250 cubic yard stockpile of blends made from these component sources, that met residential standards for the entire 5,000 cubic yards.

I hope this letter, along with the mining permit, will provide you with the information you need. If you need anything additional, please give me a call.

Respectfully,

Alan Marolf

Founder/President

Tony Casale Inc.

1185 Saw Mill River Rd.
Yonkers, NY 1710
Phone: 914-375-2177 Fax: 914-375-0620

Date 9/19/23

Lendlease
200 Park Avenue, 9th Floor,
New York, NY 10166

Project: 1 Java Street

ATTN: Will Bardoel

Transmitted via: E-mail ☒ Messenger/Hand ☐
 Fed Ex ☐ Separate Cover ☐
 UPS ☐ Fax ☐

Spec	Item	Description	Page #	Copies
		S2 Chemical & PFAS Testing Results	2-58	
		S3 Chemical & PFAS Testing Results	59-101	

Submitted For: ☐ Review & Information
☒ Approval

Should you have any questions or concerns, please contact me.
Thank you.

Mike Festo

**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.****"TOMORROWS ANALYTICAL SOLUTIONS TODAY"**Laboratory ReportNYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 3081634

September 19, 2023

Tony Casale Inc
Mike Festo
1185 Saw Mill River Rd
Yonkers, NY 10710**Re: 1 Java Brooklyn**

Dear Mike Festo,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on August 16, 2023. Long Island Analytical laboratories analyzed the samples on September 14, 2023 for the following:

SAMPLE ID	ANALYSIS
Stockpile Comp A	EPA 1633, EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp B	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp C	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
SPG 1	EPA 8260D
SPG 2	EPA 8260D
SPG 3	EPA 8260D
SPG 4	EPA 8260D
SPG 5	EPA 8260D
SPG 6	EPA 8260D
SPG 7	EPA 8260D
SPG 8	EPA 8260D
SPG 9	EPA 8260D

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: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	763	<763	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	763	<763	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	763	<763	ug/kg dry	
2,4-Dichlorophenol	120-83-2	572	<572	ug/kg dry	
2,4-Dimethylphenol	105-67-9	572	<572	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1140	<1140	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	763	<763	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	763	<763	ug/kg dry	
2-Chloronaphthalene	91-58-7	572	<572	ug/kg dry	
2-Chlorophenol	95-57-8	572	<572	ug/kg dry	
2-Methylnaphthalene	91-57-6	572	<572	ug/kg dry	
2-Methylphenol	95-48-7	1140	<1140	ug/kg dry	
2-Nitroaniline	88-74-4	1140	<1140	ug/kg dry	
2-Nitrophenol	88-75-5	1140	<1140	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1140	<1140	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	572	<572	ug/kg dry	
3-Nitroaniline	99-09-2	763	<763	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1140	<1140	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	763	<763	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	763	<763	ug/kg dry	
4-Chloroaniline	106-47-8	572	<572	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	763	<763	ug/kg dry	
4-Nitroaniline	100-01-6	1140	<1140	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1140	<1140	ug/kg dry	
Acenaphthene	83-32-9	763	<763	ug/kg dry	
Acenaphthylene	208-96-8	572	<572	ug/kg dry	
Aniline	62-53-3	763	<763	ug/kg dry	
Anthracene	120-12-7	763	<763	ug/kg dry	
Benzidine	92-87-5	2670	<2670	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	572	<572	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	572	<572	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1140	<1140	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	572	<572	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	572	<572	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	572	<572	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	572	<572	ug/kg dry	
Bis(2-chloroisopropyl) ether		763	<763	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1140	<1140	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1140	<1140	ug/kg dry	
Carbazole	86-74-8	572	<572	ug/kg dry	
Chrysene	218-01-9	763	<763	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	572	<572	ug/kg dry	
Dibenzofuran	132-64-9	763	<763	ug/kg dry	
Diethyl phthalate	84-66-2	763	<763	ug/kg dry	
Dimethyl phthalate	131-11-3	763	<763	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1140	<1140	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1140	<1140	ug/kg dry	
Fluoranthene	206-44-0	763	<763	ug/kg dry	
Fluorene	86-73-7	763	<763	ug/kg dry	
Hexachlorobenzene	118-74-1	763	<763	ug/kg dry	
Hexachlorobutadiene	87-68-3	763	<763	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1140	<1140	ug/kg dry	
Hexachloroethane	67-72-1	572	<572	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	572	<572	ug/kg dry	
Isophorone	78-59-1	1140	<1140	ug/kg dry	
Naphthalene	91-20-3	763	<763	ug/kg dry	
Nitrobenzene	98-95-3	763	<763	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	572	<572	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	572	<572	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	572	<572	ug/kg dry	
Pentachlorophenol	87-86-5	1140	<1140	ug/kg dry	
Phenanthrene	85-01-8	763	<763	ug/kg dry	
Phenol	108-95-2	572	<572	ug/kg dry	
Pyrene	129-00-0	763	<763	ug/kg dry	
Pyridine	110-86-1	763	<763	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	59	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	572	<572	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	572	<572	ug/kg dry	4.N
Acetophenone	989-86-2	572	<572	ug/kg dry	
Atrazine	1912-24-9	572	<572	ug/kg dry	
Benzaldehyde	100-52-7	572	<572	ug/kg dry	
Caprolactam	105-60-2	572	<572	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	59	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.54	22.6	ug/kg dry	
4,4'-DDE	72-55-9	2.54	28.8	ug/kg dry	
4,4'-DDT	50-29-3	2.54	<2.54	ug/kg dry	
Aldrin	309-00-2	2.54	8.45	ug/kg dry	
alpha-BHC	319-84-6	6.36	24.0	ug/kg dry	
beta-BHC	319-85-7	6.36	16.6	ug/kg dry	
cis-Chlordane	5103-71-9	6.36	26.3	ug/kg dry	
delta-BHC	319-86-8	6.36	23.5	ug/kg dry	
Dieldrin	60-57-1	2.54	25.7	ug/kg dry	
Endosulfan I	959-98-8	6.36	19.3	ug/kg dry	
Endosulfan II	33213-65-9	6.36	17.4	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.36	<6.36	ug/kg dry	
Endrin	72-20-8	6.36	19.9	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.36	20.6	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.36	<6.36	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.36	23.0	ug/kg dry	
Heptachlor	76-44-8	6.36	19.9	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.36	19.5	ug/kg dry	
Methoxychlor	72-43-5	6.36	10.3	ug/kg dry	
Mirex	2385-85-5	6.36	<6.36	ug/kg dry	
Toxaphene	8001-35-2	127	<127	ug/kg dry	
trans-Chlordane	5103-74-2	6.36	<6.36	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	52.6-153	
Tetrachloro-m-xylene	877-09-8	83	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	63.6	<63.6	ug/kg dry	
Aroclor-1221	11104-28-2	63.6	<63.6	ug/kg dry	
Aroclor-1232	11141-16-5	63.6	<63.6	ug/kg dry	
Aroclor-1242	53469-21-9	63.6	<63.6	ug/kg dry	
Aroclor-1248	12672-29-6	63.6	<63.6	ug/kg dry	
Aroclor-1254	11097-69-1	63.6	<63.6	ug/kg dry	
Aroclor-1260	11096-82-5	63.6	<63.6	ug/kg dry	
Aroclor-1262	37324-23-5	63.6	<63.6	ug/kg dry	
Aroclor-1268	11100-14-4	63.6	<63.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	47.4-148	
Tetrachloro-m-xylene	877-09-8	89	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.8	<31.8	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.8	<31.8	ug/kg dry	
2,4-D	94-75-7	31.8	<31.8	ug/kg dry	
Dicamba	1918-00-9	31.8	<31.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	68	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	20.9	6290	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.74	3.37	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.74	29.0	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.70	<0.70	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	41.7	4550	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.74	10.3	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.74	3.00	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.74	14.3	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	209	9030	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.74	20.9	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	20.9	1880	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.74	141	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.74	6.33	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	20.9	831	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.47	<3.47	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.43	<0.43	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	41.7	132	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.74	16.2	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.74	34.3	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.636	2.31	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.25	<0.25	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

PFCs Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
11-CESF-3-oxaundecane-1-sulfonate (11CI-PF3OUdS)		1.272	<1.272	ng/kg dry	
2,3,3,3-Tetrafluoro-2-propanoic acid (HFPO-DA)	13252-13-6	1.272	<1.272	ng/kg dry	
3:3 FTCA		1.272	<1.272	ng/kg dry	
4:2 FTS		1.272	<1.272	ng/kg dry	
5:3 FTCA		6.360	<6.360	ng/kg dry	
6:2 FTS	27619-97-2	1.272	<1.272	ng/kg dry	
7:3 FTCA		6.360	<6.360	ng/kg dry	
8:2 FTS	39108-34-4	1.272	<1.272	ng/kg dry	
9-CHDF-3-oxanonane-1-sulfonate (9CI-PF3ONS)		1.272	<1.272	ng/kg dry	
Dodecafluoro-3H-4,8-dioxanonaate (ADONA)		1.272	<1.272	ng/kg dry	
N-EtFOSA		6.360	<6.360	ng/kg dry	
N-EtFOSAA	2991-50-6	1.272	<1.272	ng/kg dry	
N-EtFOSE		12.72	<12.72	ng/kg dry	
N-MeFOSA		1.272	<1.272	ng/kg dry	
N-MeFOSAA	2355-31-9	1.272	<1.272	ng/kg dry	
N-MeFOSE		6.360	<6.360	ng/kg dry	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)		1.272	<1.272	ng/kg dry	
Perfluoro-1-decanesulfonate (PFDS)		1.272	<1.272	ng/kg dry	
Perfluoro-1-dodecanesulfonate (PFDoS)		1.272	<1.272	ng/kg dry	
Perfluoro-1-nonanesulfonate (PFNS)		1.272	<1.272	ng/kg dry	
Perfluoro-3,6,dioxaheptanoic acid (NFDHA)		6.360	<6.360	ng/kg dry	
Perfluoro-4-oxapentanoic acid (PFMPA)		6.360	<6.360	ng/kg dry	
Perfluoro-5-oxahexanoic acid (PFMBA)		6.360	<6.360	ng/kg dry	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.272	<1.272	ng/kg dry	
Perfluorobutanoic Acid (PFBA)	375-22-4	1.272	<1.272	ng/kg dry	
Perfluorodecanoic Acid (PFDA)	335-76-2	1.272	<1.272	ng/kg dry	
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.272	<1.272	ng/kg dry	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.272	<1.272	ng/kg dry	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.272	<1.272	ng/kg dry	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.272	<1.272	ng/kg dry	



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.272	<1.272	ng/kg dry	
Perfluorononanoic Acid (PFNA)	375-95-1	1.272	<1.272	ng/kg dry	
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.272	<1.272	ng/kg dry	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.272	<1.272	ng/kg dry	
Perfluorooctanoic Acid (PFOA)	335-67-1	1.272	<1.272	ng/kg dry	
Perfluoropentanesulfonic Acid (PFPeS)		1.272	<1.272	ng/kg dry	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1.272	<1.272	ng/kg dry	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	1.272	<1.272	ng/kg dry	
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	1.272	<1.272	ng/kg dry	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.272	<1.272	ng/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-(N-ethyl-d5-perfluoro-1-octanesulfonamido)		63	50-150	
2-(N-methyl-d3-perfluoro-1-octanesulfonamido)		56	50-150	
2,3,3,3-Tetrafluoro-2-(13C3) propanoic acid	13252-13-6	122	50-150	
N-ethyl-d5-perfluoro-1-octanesulfonamide		23	50-150	4.D
N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid		246	50-150	4.E
N-methyl-d3-perfluoro-1-octanesulfonamide		20	50-150	4.D
N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid		174	50-150	4.E
Perfluoro-1-(13C8)octanesulfonamide		123	50-150	
Perfluoro-n-(1,2,3,4,5,6,7-13C7)undecanoic acid	2058-94-8	130	50-150	
Perfluoro-n-(1,2,3,4,5,6-13C6)decanoic acid	335-76-2	127	50-150	
Perfluoro-n-(1,2,3,4,6-13C5) hexanoic acid	307-24-4	123	50-150	
Perfluoro-n-(1,2,3,4-13C4) heptanoic acid	375-85-9	130	50-150	
Perfluoro-n-(1,2-13C2)dodecanoic acid	307-55-1	121	50-150	
Perfluoro-n-(1,2-13C2)tetradecanoic acid		116	50-150	
Perfluoro-n-(13C4)butanoic acid	375-22-4	124	50-150	
Perfluoro-n-(13C5)pentanoic acid	2706-90-3	122	50-150	
Perfluoro-n-(13C8)octanoic acid	335-67-1	122	50-150	
Perfluoro-n-(13C9)nonanoic acid	375-95-1	124	50-150	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Sodium perfluoro-1-(1,2,3-13C3)hexanesulfonate	355-46-4	129	50-150	
Sodium perfluoro-1-(1,2-13C2)decanesulfonate	39108-34-4	192	50-150	4.E
Sodium perfluoro-1-(1,2-13C2)octanesulfonate	27619-97-2	167	50-150	4.E
Sodium perfluoro-1-(13C8)octanesulfonate	1763-23-1	121	50-150	
Sodium perfluoro-1-(2,3,4-13C3)butanesulfonate	375-73-5	126	50-150	
Sodium perfluoro-1-(1,2-13C2)hexanesulfonate	757124-72-4	128	50-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Perfluoro-n-(1,2,3,4,5-13C5)nonanoic acid		115	0-200	
Perfluoro-n-(1,2,3,4-13C4)octanoic acid		110	0-200	
Perfluoro-n-(1,2-13C2)decanoic acid		115	0-200	
Perfluoro-n-(1,2-13C2)hexanoic acid		103	0-200	
Perfluoro-n-(2,3,4-13C3)butanoic acid	375-22-4	107	0-200	
Sodium perfluoro-1-(1,2,3,4-13C4)octanesulfonate	1763-23-1	104	0-200	
Sodium perfluoro-1-hexane(18O2)sulfonate		104	0-200	

Date Prepared: 09/08/2023

Preparation Method: EPA 1633

Date Analyzed: 09/14/2023

Analytical Method: EPA 1633



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	750	<750	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	750	<750	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	750	<750	ug/kg dry	
2,4-Dichlorophenol	120-83-2	563	<563	ug/kg dry	
2,4-Dimethylphenol	105-67-9	563	<563	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1130	<1130	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	750	<750	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	750	<750	ug/kg dry	
2-Chloronaphthalene	91-58-7	563	<563	ug/kg dry	
2-Chlorophenol	95-57-8	563	<563	ug/kg dry	
2-Methylnaphthalene	91-57-6	563	<563	ug/kg dry	
2-Methylphenol	95-48-7	1130	<1130	ug/kg dry	
2-Nitroaniline	88-74-4	1130	<1130	ug/kg dry	
2-Nitrophenol	88-75-5	1130	<1130	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1130	<1130	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	563	<563	ug/kg dry	
3-Nitroaniline	99-09-2	750	<750	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1130	<1130	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	750	<750	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	750	<750	ug/kg dry	
4-Chloroaniline	106-47-8	563	<563	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	750	<750	ug/kg dry	
4-Nitroaniline	100-01-6	1130	<1130	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1130	<1130	ug/kg dry	
Acenaphthene	83-32-9	750	<750	ug/kg dry	
Acenaphthylene	208-96-8	563	<563	ug/kg dry	
Aniline	62-53-3	750	<750	ug/kg dry	
Anthracene	120-12-7	750	<750	ug/kg dry	
Benzidine	92-87-5	2630	<2630	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	563	<563	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	563	<563	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1130	<1130	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	563	<563	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	563	<563	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	563	<563	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	563	<563	ug/kg dry	
Bis(2-chloroisopropyl) ether		750	<750	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1130	<1130	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1130	<1130	ug/kg dry	
Carbazole	86-74-8	563	<563	ug/kg dry	
Chrysene	218-01-9	750	<750	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	563	<563	ug/kg dry	
Dibenzofuran	132-64-9	750	<750	ug/kg dry	
Diethyl phthalate	84-66-2	750	<750	ug/kg dry	
Dimethyl phthalate	131-11-3	750	<750	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1130	<1130	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1130	<1130	ug/kg dry	
Fluoranthene	206-44-0	750	1030	ug/kg dry	
Fluorene	86-73-7	750	<750	ug/kg dry	
Hexachlorobenzene	118-74-1	750	<750	ug/kg dry	
Hexachlorobutadiene	87-68-3	750	<750	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1130	<1130	ug/kg dry	
Hexachloroethane	67-72-1	563	<563	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	563	<563	ug/kg dry	
Isophorone	78-59-1	1130	<1130	ug/kg dry	
Naphthalene	91-20-3	750	<750	ug/kg dry	
Nitrobenzene	98-95-3	750	<750	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	563	<563	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	563	<563	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	563	<563	ug/kg dry	
Pentachlorophenol	87-86-5	1130	<1130	ug/kg dry	
Phenanthrene	85-01-8	750	<750	ug/kg dry	
Phenol	108-95-2	563	<563	ug/kg dry	
Pyrene	129-00-0	750	835	ug/kg dry	
Pyridine	110-86-1	750	<750	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	57	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	26.7-119	
Terphenyl-d14	1718-51-0	64	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	563	<563	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	563	<563	ug/kg dry	4.N
Acetophenone	989-86-2	563	<563	ug/kg dry	
Atrazine	1912-24-9	563	<563	ug/kg dry	
Benzaldehyde	100-52-7	563	<563	ug/kg dry	
Caprolactam	105-60-2	563	<563	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	57	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	26.7-119	
Terphenyl-d14	1718-51-0	64	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.50	22.3	ug/kg dry	
4,4'-DDE	72-55-9	2.50	28.0	ug/kg dry	
4,4'-DDT	50-29-3	2.50	<2.50	ug/kg dry	
Aldrin	309-00-2	2.50	6.10	ug/kg dry	
alpha-BHC	319-84-6	6.25	23.1	ug/kg dry	
beta-BHC	319-85-7	6.25	15.2	ug/kg dry	
cis-Chlordane	5103-71-9	6.25	24.7	ug/kg dry	
delta-BHC	319-86-8	6.25	22.4	ug/kg dry	
Dieldrin	60-57-1	2.50	23.3	ug/kg dry	
Endosulfan I	959-98-8	6.25	18.8	ug/kg dry	
Endosulfan II	33213-65-9	6.25	<6.25	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.25	<6.25	ug/kg dry	
Endrin	72-20-8	6.25	18.8	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.25	<6.25	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.25	<6.25	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.25	21.2	ug/kg dry	
Heptachlor	76-44-8	6.25	19.3	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.25	16.8	ug/kg dry	
Methoxychlor	72-43-5	6.25	<6.25	ug/kg dry	
Mirex	2385-85-5	6.25	<6.25	ug/kg dry	
Toxaphene	8001-35-2	125	<125	ug/kg dry	
trans-Chlordane	5103-74-2	6.25	24.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	64	52.6-153	
Tetrachloro-m-xylene	877-09-8	71	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	62.5	<62.5	ug/kg dry	
Aroclor-1221	11104-28-2	62.5	<62.5	ug/kg dry	
Aroclor-1232	11141-16-5	62.5	<62.5	ug/kg dry	
Aroclor-1242	53469-21-9	62.5	<62.5	ug/kg dry	
Aroclor-1248	12672-29-6	62.5	<62.5	ug/kg dry	
Aroclor-1254	11097-69-1	62.5	<62.5	ug/kg dry	
Aroclor-1260	11096-82-5	62.5	<62.5	ug/kg dry	
Aroclor-1262	37324-23-5	62.5	<62.5	ug/kg dry	
Aroclor-1268	11100-14-4	62.5	<62.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	78	47.4-148	
Tetrachloro-m-xylene	877-09-8	75	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.3	<31.3	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.3	<31.3	ug/kg dry	
2,4-D	94-75-7	31.3	<31.3	ug/kg dry	
Dicamba	1918-00-9	31.3	<31.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	66	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A



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Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	19.3	6320	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	3.01	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.61	29.1	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	38.7	4400	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	9.78	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	3.19	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	13.7	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	193	8200	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.67	20.6	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	19.3	1830	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	134	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	6.13	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	19.3	831	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.40	<0.40	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	38.7	135	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	15.7	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	33.1	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.625	2.35	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.25	<0.25	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	767	<767	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	767	<767	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	767	<767	ug/kg dry	
2,4-Dichlorophenol	120-83-2	575	<575	ug/kg dry	
2,4-Dimethylphenol	105-67-9	575	<575	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1150	<1150	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	767	<767	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	767	<767	ug/kg dry	
2-Chloronaphthalene	91-58-7	575	<575	ug/kg dry	
2-Chlorophenol	95-57-8	575	<575	ug/kg dry	
2-Methylnaphthalene	91-57-6	575	<575	ug/kg dry	
2-Methylphenol	95-48-7	1150	<1150	ug/kg dry	
2-Nitroaniline	88-74-4	1150	<1150	ug/kg dry	
2-Nitrophenol	88-75-5	1150	<1150	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1150	<1150	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	575	<575	ug/kg dry	
3-Nitroaniline	99-09-2	767	<767	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1150	<1150	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	767	<767	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	767	<767	ug/kg dry	
4-Chloroaniline	106-47-8	575	<575	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	767	<767	ug/kg dry	
4-Nitroaniline	100-01-6	1150	<1150	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1150	<1150	ug/kg dry	
Acenaphthene	83-32-9	767	<767	ug/kg dry	
Acenaphthylene	208-96-8	575	<575	ug/kg dry	
Aniline	62-53-3	767	<767	ug/kg dry	
Anthracene	120-12-7	767	<767	ug/kg dry	
Benzidine	92-87-5	2680	<2680	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	575	<575	ug/kg dry	



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Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	575	<575	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1150	<1150	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	575	<575	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	575	<575	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	575	<575	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	575	<575	ug/kg dry	
Bis(2-chloroisopropyl) ether		767	<767	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1150	<1150	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1150	<1150	ug/kg dry	
Carbazole	86-74-8	575	<575	ug/kg dry	
Chrysene	218-01-9	767	<767	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	575	<575	ug/kg dry	
Dibenzofuran	132-64-9	767	<767	ug/kg dry	
Diethyl phthalate	84-66-2	767	<767	ug/kg dry	
Dimethyl phthalate	131-11-3	767	<767	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1150	<1150	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1150	<1150	ug/kg dry	
Fluoranthene	206-44-0	767	<767	ug/kg dry	
Fluorene	86-73-7	767	<767	ug/kg dry	
Hexachlorobenzene	118-74-1	767	<767	ug/kg dry	
Hexachlorobutadiene	87-68-3	767	<767	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1150	<1150	ug/kg dry	
Hexachloroethane	67-72-1	575	<575	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	575	<575	ug/kg dry	
Isophorone	78-59-1	1150	<1150	ug/kg dry	
Naphthalene	91-20-3	767	<767	ug/kg dry	
Nitrobenzene	98-95-3	767	<767	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	575	<575	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	575	<575	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
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Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	575	<575	ug/kg dry	
Pentachlorophenol	87-86-5	1150	<1150	ug/kg dry	
Phenanthrene	85-01-8	767	<767	ug/kg dry	
Phenol	108-95-2	575	<575	ug/kg dry	
Pyrene	129-00-0	767	<767	ug/kg dry	
Pyridine	110-86-1	767	<767	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	65	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	56	28.1-113	
Nitrobenzene-d5	4165-60-0	53	30.3-117	
Phenol-d6	13127-88-3	57	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	575	<575	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	575	<575	ug/kg dry	4.N
Acetophenone	989-86-2	575	<575	ug/kg dry	
Atrazine	1912-24-9	575	<575	ug/kg dry	
Benzaldehyde	100-52-7	575	<575	ug/kg dry	
Caprolactam	105-60-2	575	<575	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	65	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	56	28.1-113	
Nitrobenzene-d5	4165-60-0	53	30.3-117	
Phenol-d6	13127-88-3	57	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
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Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.56	23.6	ug/kg dry	
4,4'-DDE	72-55-9	2.56	28.7	ug/kg dry	
4,4'-DDT	50-29-3	2.56	<2.56	ug/kg dry	
Aldrin	309-00-2	2.56	8.66	ug/kg dry	
alpha-BHC	319-84-6	6.39	23.7	ug/kg dry	
beta-BHC	319-85-7	6.39	15.9	ug/kg dry	
cis-Chlordane	5103-71-9	6.39	25.7	ug/kg dry	
delta-BHC	319-86-8	6.39	22.7	ug/kg dry	
Dieldrin	60-57-1	2.56	26.3	ug/kg dry	
Endosulfan I	959-98-8	6.39	19.3	ug/kg dry	
Endosulfan II	33213-65-9	6.39	<6.39	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.39	<6.39	ug/kg dry	
Endrin	72-20-8	6.39	18.7	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.39	<6.39	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.39	<6.39	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.39	21.7	ug/kg dry	
Heptachlor	76-44-8	6.39	19.3	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.39	17.2	ug/kg dry	
Methoxychlor	72-43-5	6.39	<6.39	ug/kg dry	
Mirex	2385-85-5	6.39	<6.39	ug/kg dry	
Toxaphene	8001-35-2	128	<128	ug/kg dry	
trans-Chlordane	5103-74-2	6.39	25.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	66	52.6-153	
Tetrachloro-m-xylene	877-09-8	71	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	63.9	<63.9	ug/kg dry	
Aroclor-1221	11104-28-2	63.9	<63.9	ug/kg dry	
Aroclor-1232	11141-16-5	63.9	<63.9	ug/kg dry	
Aroclor-1242	53469-21-9	63.9	<63.9	ug/kg dry	
Aroclor-1248	12672-29-6	63.9	<63.9	ug/kg dry	
Aroclor-1254	11097-69-1	63.9	<63.9	ug/kg dry	
Aroclor-1260	11096-82-5	63.9	<63.9	ug/kg dry	
Aroclor-1262	37324-23-5	63.9	<63.9	ug/kg dry	
Aroclor-1268	11100-14-4	63.9	<63.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	84	47.4-148	
Tetrachloro-m-xylene	877-09-8	85	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.9	<31.9	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.9	<31.9	ug/kg dry	
2,4-D	94-75-7	31.9	<31.9	ug/kg dry	
Dicamba	1918-00-9	31.9	<31.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	70	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	22.8	5960	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.90	2.94	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.90	27.1	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.76	<0.76	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	45.6	5810	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.90	8.86	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.90	2.87	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.90	13.5	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	228	9600	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.90	21.1	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	22.8	2470	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.90	130	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.90	5.71	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	22.8	777	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.80	<3.80	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.47	<0.47	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	45.6	148	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.90	14.9	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.90	34.8	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.639	3.56	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.26	<0.26	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.95	<6.95	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.95	<6.95	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.95	<6.95	ug/kg dry	4.G, 4.S, 4.T
1,1,2-Trichloroethane	79-00-5	6.95	<6.95	ug/kg dry	4.G, 4.T
1,1-Dichloroethane	75-34-3	6.95	<6.95	ug/kg dry	4.N, 4.T
1,1-Dichloroethene	75-35-4	6.95	<6.95	ug/kg dry	4.G, 4.M, 4.S, 4.T
1,1-Dichloropropene	563-58-6	6.95	<6.95	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2,3-Trichloropropane	96-18-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,2,4-Trichlorobenzene	120-82-1	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2,4-Trimethylbenzene	95-63-6	6.95	<6.95	ug/kg dry	4.T
1,2-Dibromo-3-chloropropane	96-12-8	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2-Dibromoethane	106-93-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,2-Dichlorobenzene	95-50-1	6.95	<6.95	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.95	<6.95	ug/kg dry	4.G, 4.J, 4.N, 4.T
1,2-Dichloropropane	78-87-5	6.95	<6.95	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.95	<6.95	ug/kg dry	4.T
1,3-Dichlorobenzene	541-73-1	6.95	<6.95	ug/kg dry	4.T
1,4-Dichlorobenzene	106-46-7	6.95	<6.95	ug/kg dry	
1,4-Dioxane	123-91-1	34.7	<34.7	ug/kg dry	4.G, 4.T
2,2-Dichloropropane	594-20-7	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
2-Chloroethyl Vinyl Ether	110-75-8	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.R, 4.T
2-Chlorotoluene	95-49-8	6.95	<6.95	ug/kg dry	4.T
4-Isopropyltoluene	99-87-6	6.95	<6.95	ug/kg dry	4.G, 4.T
4-Methyl-2-Pentanone	108-10-1	13.9	<13.9	ug/kg dry	4.G, 4.T
Acetone	67-64-1	27.8	<27.8	ug/kg dry	4.J, 4.S, 4.T
Acrolein	107-02-8	13.9	<13.9	ug/kg dry	4.G, 4.M, 4.T
Acrylonitrile	107-13-1	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Benzene	71-43-2	6.95	<6.95	ug/kg dry	4.S



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.95	<6.95	ug/kg dry	
Bromochloromethane	74-97-5	6.95	<6.95	ug/kg dry	4.G, 4.S, 4.T
Bromodichloromethane	75-27-4	6.95	<6.95	ug/kg dry	
Bromoform	75-25-2	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
Bromomethane	74-83-9	6.95	<6.95	ug/kg dry	4.K, 4.T
Carbon disulfide	75-15-0	6.95	<6.95	ug/kg dry	4.S, 4.T
Carbon Tetrachloride	56-23-5	6.95	<6.95	ug/kg dry	.G, 4.N, 4.S, 4.
Chlorobenzene	108-90-7	6.95	<6.95	ug/kg dry	4.T
Chloroethane	75-00-3	6.95	<6.95	ug/kg dry	, 4.K, 4.M, 4.R,
Chloroform	67-66-3	6.95	<6.95	ug/kg dry	4.J, 4.T
Chloromethane	74-87-3	6.95	<6.95	ug/kg dry	.G, 4.K, 4.M, 4.
cis-1,2-Dichloroethene	156-59-2	6.95	<6.95	ug/kg dry	4.G, 4.T
cis-1,3-Dichloropropene	10061-01-5	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Dibromochloromethane	124-48-1	6.95	<6.95	ug/kg dry	4.G, 4.T
Dibromomethane	74-95-3	6.95	<6.95	ug/kg dry	4.G, 4.T
Dichlorodifluoromethane	75-71-8	6.95	<6.95	ug/kg dry	, 4.K, 4.M, 4.R,
Ethylbenzene	100-41-4	6.95	<6.95	ug/kg dry	4.G, 4.T
Hexachlorobutadiene	87-68-3	6.95	<6.95	ug/kg dry	4.T
Isopropylbenzene (Cumene)	98-82-8	6.95	<6.95	ug/kg dry	4.T
m,p-Xylenes	108-38-3/106-42-3	13.9	<13.9	ug/kg dry	4.T
Methyl Acetate	79-20-9	6.95	<6.95	ug/kg dry	i, 4.J, 4.N, 4.S,
Methyl Butyl Ketone (2-Hexanone)	591-78-6	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Methyl Ethyl Ketone (2-Butanone)	78-93-3	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Methylene Chloride	75-09-2	6.95	9.55	ug/kg dry	4.G, 4.J, 4.T
Methyl-tert-Butyl Ether	1634-04-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
n-Butylbenzene	104-51-8	6.95	<6.95	ug/kg dry	4.S, 4.T
n-Propylbenzene	103-65-1	6.95	<6.95	ug/kg dry	4.T
o-Xylene	95-47-6	6.95	<6.95	ug/kg dry	4.T
sec-Butylbenzene	135-98-8	6.95	<6.95	ug/kg dry	4.T

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.95	<6.95	ug/kg dry	
tert-Butyl alcohol	75-65-0	13.9	<13.9	ug/kg dry	4.G, 4.J, 4.T
tert-Butylbenzene	98-06-6	6.95	<6.95	ug/kg dry	4.T
Tetrachloroethene	127-18-4	6.95	<6.95	ug/kg dry	4.S, 4.T
Toluene	108-88-3	6.95	<6.95	ug/kg dry	4.S, 4.T
trans-1,2-Dichloroethene	156-60-5	6.95	<6.95	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
Trichloroethene	79-01-6	6.95	<6.95	ug/kg dry	4.G, 4.T
Trichlorofluoromethane	75-69-4	6.95	<6.95	ug/kg dry	4.K, 4.M, 4.R,
Vinyl chloride	75-01-4	6.95	<6.95	ug/kg dry	4.G, 4.K, 4.M, 4.

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	133	72.1-142	
4-Bromofluorobenzene	460-00-4	134	76.1-131	4.E
Dibromofluoromethane	1868-53-7	124	77.6-135	
Toluene-d8	2037-26-5	127	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.30	<6.30	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.30	<6.30	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.30	<6.30	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.30	<6.30	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.30	<6.30	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.30	<6.30	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.30	<6.30	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.30	<6.30	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.30	<6.30	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.30	<6.30	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.30	<6.30	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.30	<6.30	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.30	<6.30	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.30	<6.30	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.30	<6.30	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.30	<6.30	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.30	<6.30	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.30	<6.30	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.30	<6.30	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.30	<6.30	ug/kg dry	
1,4-Dioxane	123-91-1	31.5	<31.5	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.30	<6.30	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.30	<6.30	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.30	<6.30	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.30	<6.30	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.6	<12.6	ug/kg dry	
Acetone	67-64-1	25.2	<25.2	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.6	<12.6	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.6	<12.6	ug/kg dry	4.N
Benzene	71-43-2	6.30	<6.30	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.30	<6.30	ug/kg dry	
Bromochloromethane	74-97-5	6.30	<6.30	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.30	<6.30	ug/kg dry	
Bromoform	75-25-2	6.30	<6.30	ug/kg dry	4.N
Bromomethane	74-83-9	6.30	<6.30	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.30	<6.30	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.30	<6.30	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.30	<6.30	ug/kg dry	
Chloroethane	75-00-3	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Chloroform	67-66-3	6.30	<6.30	ug/kg dry	4.J
Chloromethane	74-87-3	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
cis-1,2-Dichloroethene	156-59-2	6.30	<6.30	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.6	<12.6	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.30	<6.30	ug/kg dry	
Dibromomethane	74-95-3	6.30	<6.30	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Ethylbenzene	100-41-4	6.30	<6.30	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.30	<6.30	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.30	<6.30	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.6	<12.6	ug/kg dry	
Methyl Acetate	79-20-9	6.30	<6.30	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.6	<12.6	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.6	<12.6	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.30	7.65	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.30	<6.30	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.30	<6.30	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.30	<6.30	ug/kg dry	
o-Xylene	95-47-6	6.30	<6.30	ug/kg dry	
sec-Butylbenzene	135-98-8	6.30	<6.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.30	<6.30	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.6	<12.6	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.30	<6.30	ug/kg dry	
Tetrachloroethene	127-18-4	6.30	<6.30	ug/kg dry	4.S
Toluene	108-88-3	6.30	<6.30	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.30	<6.30	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.30	<6.30	ug/kg dry	4.N
Trichloroethene	79-01-6	6.30	<6.30	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Vinyl chloride	75-01-4	6.30	<6.30	ug/kg dry	4.R, 4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	129	72.1-142	
4-Bromofluorobenzene	460-00-4	131	76.1-131	
Dibromofluoromethane	1868-53-7	121	77.6-135	
Toluene-d8	2037-26-5	129	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.38	<6.38	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.38	<6.38	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.38	<6.38	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.38	<6.38	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.38	<6.38	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.38	<6.38	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.38	<6.38	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.38	<6.38	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.38	<6.38	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.38	<6.38	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.38	<6.38	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.38	<6.38	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.38	<6.38	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.38	<6.38	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.38	<6.38	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.38	<6.38	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.38	<6.38	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.38	<6.38	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.38	<6.38	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.38	<6.38	ug/kg dry	
1,4-Dioxane	123-91-1	31.9	34.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.38	<6.38	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.38	<6.38	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.38	<6.38	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.38	<6.38	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.8	<12.8	ug/kg dry	
Acetone	67-64-1	25.5	<25.5	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.8	<12.8	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.8	<12.8	ug/kg dry	4.N
Benzene	71-43-2	6.38	<6.38	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.38	<6.38	ug/kg dry	
Bromochloromethane	74-97-5	6.38	<6.38	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.38	<6.38	ug/kg dry	
Bromoform	75-25-2	6.38	<6.38	ug/kg dry	4.N
Bromomethane	74-83-9	6.38	<6.38	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.38	<6.38	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.38	<6.38	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.38	<6.38	ug/kg dry	
Chloroethane	75-00-3	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.38	<6.38	ug/kg dry	4.J
Chloromethane	74-87-3	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.38	<6.38	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.8	<12.8	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.38	<6.38	ug/kg dry	
Dibromomethane	74-95-3	6.38	<6.38	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.38	<6.38	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.38	<6.38	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.38	<6.38	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.8	<12.8	ug/kg dry	
Methyl Acetate	79-20-9	6.38	<6.38	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.8	<12.8	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.8	<12.8	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.38	7.44	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.38	<6.38	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.38	<6.38	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.38	<6.38	ug/kg dry	
o-Xylene	95-47-6	6.38	<6.38	ug/kg dry	
sec-Butylbenzene	135-98-8	6.38	<6.38	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.38	<6.38	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.8	<12.8	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.38	<6.38	ug/kg dry	
Tetrachloroethene	127-18-4	6.38	<6.38	ug/kg dry	4.S
Toluene	108-88-3	6.38	<6.38	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.38	<6.38	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.38	<6.38	ug/kg dry	4.N
Trichloroethene	79-01-6	6.38	<6.38	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	134	72.1-142	
4-Bromofluorobenzene	460-00-4	137	76.1-131	4.E
Dibromofluoromethane	1868-53-7	125	77.6-135	
Toluene-d8	2037-26-5	127	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.45	<6.45	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.45	<6.45	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.45	<6.45	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.45	<6.45	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.45	<6.45	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.45	<6.45	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.45	<6.45	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.45	<6.45	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.45	<6.45	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.45	<6.45	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.45	<6.45	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.45	<6.45	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.45	<6.45	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.45	<6.45	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.45	<6.45	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.45	<6.45	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.45	<6.45	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.45	<6.45	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.45	<6.45	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.45	<6.45	ug/kg dry	
1,4-Dioxane	123-91-1	32.3	34.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.45	<6.45	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.45	<6.45	ug/kg dry	4.R, 4.N
2-Chlorotoluene	95-49-8	6.45	<6.45	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.45	<6.45	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.9	<12.9	ug/kg dry	
Acetone	67-64-1	25.8	<25.8	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.9	<12.9	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.9	<12.9	ug/kg dry	4.N
Benzene	71-43-2	6.45	<6.45	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.45	<6.45	ug/kg dry	
Bromochloromethane	74-97-5	6.45	<6.45	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.45	<6.45	ug/kg dry	
Bromoform	75-25-2	6.45	<6.45	ug/kg dry	4.N
Bromomethane	74-83-9	6.45	<6.45	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.45	<6.45	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.45	<6.45	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.45	<6.45	ug/kg dry	
Chloroethane	75-00-3	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.45	<6.45	ug/kg dry	4.J
Chloromethane	74-87-3	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.45	<6.45	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.9	<12.9	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.45	<6.45	ug/kg dry	
Dibromomethane	74-95-3	6.45	<6.45	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.45	<6.45	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.45	<6.45	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.45	<6.45	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.9	<12.9	ug/kg dry	
Methyl Acetate	79-20-9	6.45	<6.45	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.9	<12.9	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.9	<12.9	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.45	<6.45	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.45	<6.45	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.45	<6.45	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.45	<6.45	ug/kg dry	
o-Xylene	95-47-6	6.45	<6.45	ug/kg dry	
sec-Butylbenzene	135-98-8	6.45	<6.45	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.45	<6.45	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.9	<12.9	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.45	<6.45	ug/kg dry	
Tetrachloroethene	127-18-4	6.45	<6.45	ug/kg dry	4.S
Toluene	108-88-3	6.45	<6.45	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.45	<6.45	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.45	<6.45	ug/kg dry	4.N
Trichloroethene	79-01-6	6.45	<6.45	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	136	72.1-142	
4-Bromofluorobenzene	460-00-4	136	76.1-131	4.E
Dibromofluoromethane	1868-53-7	126	77.6-135	
Toluene-d8	2037-26-5	124	77.8-124	

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.23	<6.23	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.23	<6.23	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.23	<6.23	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.23	<6.23	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.23	<6.23	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.23	<6.23	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.23	<6.23	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.23	<6.23	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.23	<6.23	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.23	<6.23	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.23	<6.23	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.23	<6.23	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.23	<6.23	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.23	<6.23	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.23	<6.23	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.23	<6.23	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.23	<6.23	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.23	<6.23	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.23	<6.23	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.23	<6.23	ug/kg dry	
1,4-Dioxane	123-91-1	31.1	<31.1	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.23	<6.23	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.23	<6.23	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.23	<6.23	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.23	<6.23	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.5	<12.5	ug/kg dry	
Acetone	67-64-1	24.9	<24.9	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.5	<12.5	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.5	<12.5	ug/kg dry	4.N
Benzene	71-43-2	6.23	<6.23	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.23	<6.23	ug/kg dry	
Bromochloromethane	74-97-5	6.23	<6.23	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.23	<6.23	ug/kg dry	
Bromoform	75-25-2	6.23	<6.23	ug/kg dry	4.N
Bromomethane	74-83-9	6.23	<6.23	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.23	<6.23	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.23	<6.23	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.23	<6.23	ug/kg dry	
Chloroethane	75-00-3	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.23	<6.23	ug/kg dry	4.J
Chloromethane	74-87-3	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.23	<6.23	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.5	<12.5	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.23	<6.23	ug/kg dry	
Dibromomethane	74-95-3	6.23	<6.23	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.23	<6.23	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.23	<6.23	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.23	<6.23	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.5	<12.5	ug/kg dry	
Methyl Acetate	79-20-9	6.23	<6.23	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.5	<12.5	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.5	<12.5	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.23	<6.23	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.23	<6.23	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.23	<6.23	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.23	<6.23	ug/kg dry	
o-Xylene	95-47-6	6.23	<6.23	ug/kg dry	
sec-Butylbenzene	135-98-8	6.23	<6.23	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.23	<6.23	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.5	<12.5	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.23	<6.23	ug/kg dry	
Tetrachloroethene	127-18-4	6.23	<6.23	ug/kg dry	4.S
Toluene	108-88-3	6.23	<6.23	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.23	<6.23	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.23	<6.23	ug/kg dry	4.N
Trichloroethene	79-01-6	6.23	<6.23	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	95	72.1-142	
4-Bromofluorobenzene	460-00-4	142	76.1-131	4.E
Dibromofluoromethane	1868-53-7	83	77.6-135	
Toluene-d8	2037-26-5	136	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.35	<6.35	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.35	<6.35	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.35	<6.35	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.35	<6.35	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.35	<6.35	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.35	<6.35	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.35	<6.35	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.35	<6.35	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.35	<6.35	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.35	<6.35	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.35	<6.35	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.35	<6.35	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.35	<6.35	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.35	<6.35	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.35	<6.35	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.35	<6.35	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.35	<6.35	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.35	<6.35	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.35	<6.35	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.35	<6.35	ug/kg dry	
1,4-Dioxane	123-91-1	31.8	<31.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.35	<6.35	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.35	<6.35	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.35	<6.35	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.35	<6.35	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.7	<12.7	ug/kg dry	
Acetone	67-64-1	25.4	<25.4	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.7	<12.7	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.7	<12.7	ug/kg dry	4.N
Benzene	71-43-2	6.35	<6.35	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.35	<6.35	ug/kg dry	
Bromochloromethane	74-97-5	6.35	<6.35	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.35	<6.35	ug/kg dry	
Bromoform	75-25-2	6.35	<6.35	ug/kg dry	4.N
Bromomethane	74-83-9	6.35	6.75	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.35	<6.35	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.35	<6.35	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.35	<6.35	ug/kg dry	
Chloroethane	75-00-3	6.35	<6.35	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.35	<6.35	ug/kg dry	4.J
Chloromethane	74-87-3	6.35	<6.35	ug/kg dry	4.K, 4.R, 4.M
cis-1,2-Dichloroethene	156-59-2	6.35	<6.35	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.7	<12.7	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.35	<6.35	ug/kg dry	
Dibromomethane	74-95-3	6.35	<6.35	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.35	<6.35	ug/kg dry	4.K, 4.R, 4.M
Ethylbenzene	100-41-4	6.35	<6.35	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.35	<6.35	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.35	<6.35	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.7	<12.7	ug/kg dry	
Methyl Acetate	79-20-9	6.35	<6.35	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.7	<12.7	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.7	<12.7	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.35	<6.35	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.35	<6.35	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.35	<6.35	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.35	<6.35	ug/kg dry	
o-Xylene	95-47-6	6.35	<6.35	ug/kg dry	
sec-Butylbenzene	135-98-8	6.35	<6.35	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.35	<6.35	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.7	<12.7	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.35	<6.35	ug/kg dry	
Tetrachloroethene	127-18-4	6.35	<6.35	ug/kg dry	4.S
Toluene	108-88-3	6.35	<6.35	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.35	<6.35	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.35	<6.35	ug/kg dry	4.N
Trichloroethene	79-01-6	6.35	<6.35	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.35	<6.35	ug/kg dry	4.R, 4.K, 4.M
Vinyl chloride	75-01-4	6.35	<6.35	ug/kg dry	4.R, 4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	137	72.1-142	
4-Bromofluorobenzene	460-00-4	148	76.1-131	4.E
Dibromofluoromethane	1868-53-7	119	77.6-135	
Toluene-d8	2037-26-5	129	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.00	<6.00	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.00	<6.00	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.00	<6.00	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.00	<6.00	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.00	<6.00	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.00	<6.00	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.00	<6.00	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.00	<6.00	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.00	<6.00	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.00	<6.00	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.00	<6.00	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.00	<6.00	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.00	<6.00	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.00	<6.00	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.00	<6.00	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.00	<6.00	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.00	<6.00	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.00	<6.00	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.00	<6.00	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.00	<6.00	ug/kg dry	
1,4-Dioxane	123-91-1	30.0	34.9	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.00	<6.00	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.00	<6.00	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.00	<6.00	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.00	<6.00	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.0	<12.0	ug/kg dry	
Acetone	67-64-1	24.0	<24.0	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.0	<12.0	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.0	<12.0	ug/kg dry	4.N
Benzene	71-43-2	6.00	<6.00	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.00	<6.00	ug/kg dry	
Bromochloromethane	74-97-5	6.00	<6.00	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.00	<6.00	ug/kg dry	
Bromoform	75-25-2	6.00	<6.00	ug/kg dry	4.N
Bromomethane	74-83-9	6.00	<6.00	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.00	<6.00	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.00	<6.00	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.00	<6.00	ug/kg dry	
Chloroethane	75-00-3	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Chloroform	67-66-3	6.00	<6.00	ug/kg dry	4.J
Chloromethane	74-87-3	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	6.00	<6.00	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.0	<12.0	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.00	<6.00	ug/kg dry	
Dibromomethane	74-95-3	6.00	<6.00	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Ethylbenzene	100-41-4	6.00	<6.00	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.00	<6.00	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.00	<6.00	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.0	<12.0	ug/kg dry	
Methyl Acetate	79-20-9	6.00	<6.00	ug/kg dry	4.N, 4.S, 4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.0	<12.0	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.0	<12.0	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.00	<6.00	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.00	<6.00	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.00	<6.00	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.00	<6.00	ug/kg dry	
o-Xylene	95-47-6	6.00	<6.00	ug/kg dry	
sec-Butylbenzene	135-98-8	6.00	<6.00	ug/kg dry	



Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.00	<6.00	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.0	<12.0	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.00	<6.00	ug/kg dry	
Tetrachloroethene	127-18-4	6.00	<6.00	ug/kg dry	4.S
Toluene	108-88-3	6.00	<6.00	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.00	<6.00	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.00	<6.00	ug/kg dry	4.N
Trichloroethene	79-01-6	6.00	<6.00	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Vinyl chloride	75-01-4	6.00	<6.00	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	135	72.1-142	
4-Bromofluorobenzene	460-00-4	132	76.1-131	4.E
Dibromofluoromethane	1868-53-7	121	77.6-135	
Toluene-d8	2037-26-5	128	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.17	<6.17	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.17	<6.17	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.17	<6.17	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.17	<6.17	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.17	<6.17	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.17	<6.17	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.17	<6.17	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.17	<6.17	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.17	<6.17	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.17	<6.17	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.17	<6.17	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.17	<6.17	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.17	<6.17	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.17	<6.17	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.17	<6.17	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.17	<6.17	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.17	<6.17	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.17	<6.17	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.17	<6.17	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.17	<6.17	ug/kg dry	
1,4-Dioxane	123-91-1	30.9	<30.9	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.17	<6.17	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.17	<6.17	ug/kg dry	4.R, 4.N
2-Chlorotoluene	95-49-8	6.17	<6.17	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.17	<6.17	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.3	<12.3	ug/kg dry	
Acetone	67-64-1	24.7	<24.7	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.3	<12.3	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.3	<12.3	ug/kg dry	4.N
Benzene	71-43-2	6.17	<6.17	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.17	<6.17	ug/kg dry	
Bromochloromethane	74-97-5	6.17	<6.17	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.17	<6.17	ug/kg dry	
Bromoform	75-25-2	6.17	<6.17	ug/kg dry	4.N
Bromomethane	74-83-9	6.17	<6.17	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.17	<6.17	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.17	<6.17	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.17	<6.17	ug/kg dry	
Chloroethane	75-00-3	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.17	<6.17	ug/kg dry	4.J
Chloromethane	74-87-3	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.17	<6.17	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.3	<12.3	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.17	<6.17	ug/kg dry	
Dibromomethane	74-95-3	6.17	<6.17	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.17	<6.17	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.17	<6.17	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.17	<6.17	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.3	<12.3	ug/kg dry	
Methyl Acetate	79-20-9	6.17	<6.17	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.3	<12.3	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.3	<12.3	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.17	6.37	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.17	<6.17	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.17	<6.17	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.17	<6.17	ug/kg dry	
o-Xylene	95-47-6	6.17	<6.17	ug/kg dry	
sec-Butylbenzene	135-98-8	6.17	<6.17	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.17	<6.17	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.3	<12.3	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.17	<6.17	ug/kg dry	
Tetrachloroethene	127-18-4	6.17	<6.17	ug/kg dry	4.S
Toluene	108-88-3	6.17	<6.17	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.17	<6.17	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.17	<6.17	ug/kg dry	4.N
Trichloroethene	79-01-6	6.17	<6.17	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	134	72.1-142	
4-Bromofluorobenzene	460-00-4	133	76.1-131	4.E
Dibromofluoromethane	1868-53-7	127	77.6-135	
Toluene-d8	2037-26-5	124	77.8-124	

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.31	<6.31	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.31	<6.31	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.31	<6.31	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.31	<6.31	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.31	<6.31	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.31	<6.31	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.31	<6.31	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.31	<6.31	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.31	<6.31	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.31	<6.31	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.31	<6.31	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.31	<6.31	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.31	<6.31	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.31	<6.31	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.31	<6.31	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.31	<6.31	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.31	<6.31	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.31	<6.31	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.31	<6.31	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.31	<6.31	ug/kg dry	
1,4-Dioxane	123-91-1	31.6	35.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.31	<6.31	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.31	<6.31	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.31	<6.31	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.31	<6.31	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.6	<12.6	ug/kg dry	
Acetone	67-64-1	25.2	<25.2	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.6	<12.6	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.6	<12.6	ug/kg dry	4.N
Benzene	71-43-2	6.31	<6.31	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.31	<6.31	ug/kg dry	
Bromochloromethane	74-97-5	6.31	<6.31	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.31	<6.31	ug/kg dry	
Bromoform	75-25-2	6.31	<6.31	ug/kg dry	4.N
Bromomethane	74-83-9	6.31	<6.31	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.31	<6.31	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.31	<6.31	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.31	<6.31	ug/kg dry	
Chloroethane	75-00-3	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.31	<6.31	ug/kg dry	4.J
Chloromethane	74-87-3	6.31	<6.31	ug/kg dry	4.M, 4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	6.31	<6.31	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.6	<12.6	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.31	<6.31	ug/kg dry	
Dibromomethane	74-95-3	6.31	<6.31	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.31	<6.31	ug/kg dry	4.M, 4.K, 4.R
Ethylbenzene	100-41-4	6.31	<6.31	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.31	<6.31	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.31	<6.31	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.6	<12.6	ug/kg dry	
Methyl Acetate	79-20-9	6.31	<6.31	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.6	<12.6	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.6	<12.6	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.31	<6.31	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.31	<6.31	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.31	<6.31	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.31	<6.31	ug/kg dry	
o-Xylene	95-47-6	6.31	<6.31	ug/kg dry	
sec-Butylbenzene	135-98-8	6.31	<6.31	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.31	<6.31	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.6	<12.6	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.31	<6.31	ug/kg dry	
Tetrachloroethene	127-18-4	6.31	<6.31	ug/kg dry	4.S
Toluene	108-88-3	6.31	<6.31	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.31	<6.31	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.31	<6.31	ug/kg dry	4.N
Trichloroethene	79-01-6	6.31	<6.31	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	138	72.1-142	
4-Bromofluorobenzene	460-00-4	133	76.1-131	4.E
Dibromofluoromethane	1868-53-7	126	77.6-135	
Toluene-d8	2037-26-5	126	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Data Qualifiers Key Reference:

3.E	Compound reported at a dilution factor.
3.H	Sample has turbidity, but no color change.
4.D	Surrogate recovery has failed low.
4.E	Surrogate recovery has failed high.
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

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS Tony Casale Inc				CONTACT: Mike Festo		SAMPLER (SIGNATURE) 		SAMPLER (S) SEALED YES / NO	
PROJECT LOCATION: 1 Java Brooklyn				PHONE: (914)-375-2177		SAMPLER NAME (PRINT) Evan Laizaro		CORRECT CONTAINER(S) YES / NO	
REPORTS EMAIL: mikef@tonycasaleinc.com				INVOICE EMAIL:		SAMPLES RECEIVED AT 2.3 °C		3081634	
LABORATORY ID # For Laboratory Use Only	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED
1.	S	C				8/16/23	10:00	Stockpile Comp A	EPA 8151A 4 EPA 8270E SW EPA 8060A PCBs EPA 8081B Pest EPA 6010D EPA 9012A EPA 7196A EPA 7471B Metals hex/tri chro cyanide EPA 8260D VOCs
2.	S	C				8/16/23	10:05	Stockpile Comp B	✓
3.	S	C				8/16/23	10:10	Stockpile Comp C	✓
4.	S	G				8/16/23	10:05	Stockpile SPG 1	✓
5.	S	G				8/16/23	10:10	SPG 2	✓
6.	S	G				8/16/23	10:15	SPG 3	✓
7.	S	G				8/16/23	10:20	SPG 4	✓
8.	S	G				8/16/23	10:25	SPG 5	✓
9.	S	G				8/16/23	10:30	SPG 6	✓
10.	S	G				8/16/23	10:35	SPG 7	✓
11.	S	G				8/16/23	10:45	SPG 8	✓
12.	S	G				8/16/23	10:50	SPG 9	✓
13.									
14.									

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WPIE;
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) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED:
☐ NORMAL ☐ STAT

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE	PRINTED NAME
	TIME			TIME	
RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE	PRINTED NAME
	TIME			TIME	

**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.****"TOMORROWS ANALYTICAL SOLUTIONS TODAY"**Laboratory ReportNYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 3081854

September 19, 2023

Tony Casale Inc
Mike Festo
1185 Saw Mill River Rd
Yonkers, NY 10710**Re: 1 Java Brooklyn**

Dear Mike Festo,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on August 18, 2023. Long Island Analytical laboratories analyzed the samples on September 14, 2023 for the following:

SAMPLE ID	ANALYSIS
Stockpile Comp A	EPA 1633, EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp B	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
SPG 1 (a2)	EPA 8260D
SPG 2 (a5)	EPA 8260D
SPG 3 (a4)	EPA 8260D
SPG 4 (b5)	EPA 8260D
SPG 5 (b3)	EPA 8260D

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: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.11	<5.11	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.11	<5.11	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.11	<5.11	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.11	<5.11	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.11	<5.11	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.11	<5.11	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.11	<5.11	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.11	<5.11	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.11	<5.11	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.11	<5.11	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.11	<5.11	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.11	<5.11	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.11	<5.11	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.11	<5.11	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.11	<5.11	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.11	<5.11	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.11	<5.11	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.11	<5.11	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.11	<5.11	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.11	<5.11	ug/kg dry	
1,4-Dioxane	123-91-1	25.6	<25.6	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.11	<5.11	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.11	<5.11	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.11	<5.11	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.11	<5.11	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.2	<10.2	ug/kg dry	
Acetone	67-64-1	20.5	<20.5	ug/kg dry	4.S
Acrolein	107-02-8	10.2	<10.2	ug/kg dry	
Acrylonitrile	107-13-1	10.2	<10.2	ug/kg dry	
Benzene	71-43-2	5.11	<5.11	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.11	<5.11	ug/kg dry	
Bromochloromethane	74-97-5	5.11	<5.11	ug/kg dry	
Bromodichloromethane	75-27-4	5.11	<5.11	ug/kg dry	
Bromoform	75-25-2	5.11	<5.11	ug/kg dry	
Bromomethane	74-83-9	5.11	<5.11	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.11	<5.11	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.11	<5.11	ug/kg dry	
Chlorobenzene	108-90-7	5.11	<5.11	ug/kg dry	
Chloroethane	75-00-3	5.11	<5.11	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.11	<5.11	ug/kg dry	
Chloromethane	74-87-3	5.11	<5.11	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.11	<5.11	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.2	<10.2	ug/kg dry	
Dibromochloromethane	124-48-1	5.11	<5.11	ug/kg dry	
Dibromomethane	74-95-3	5.11	<5.11	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.11	<5.11	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.11	<5.11	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.11	<5.11	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.11	<5.11	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.2	<10.2	ug/kg dry	
Methyl Acetate	79-20-9	5.11	<5.11	ug/kg dry	4.N, 4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.2	<10.2	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.2	<10.2	ug/kg dry	
Methylene Chloride	75-09-2	5.11	<5.11	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.11	<5.11	ug/kg dry	
n-Butylbenzene	104-51-8	5.11	<5.11	ug/kg dry	
n-Propylbenzene	103-65-1	5.11	<5.11	ug/kg dry	
o-Xylene	95-47-6	5.11	<5.11	ug/kg dry	
sec-Butylbenzene	135-98-8	5.11	<5.11	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.11	<5.11	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.2	<10.2	ug/kg dry	
tert-Butylbenzene	98-06-6	5.11	<5.11	ug/kg dry	
Tetrachloroethene	127-18-4	5.11	<5.11	ug/kg dry	
Toluene	108-88-3	5.11	<5.11	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.11	<5.11	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.11	<5.11	ug/kg dry	
Trichloroethene	79-01-6	5.11	<5.11	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.11	<5.11	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.11	<5.11	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	103	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	108	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	632	<632	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	632	<632	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	632	<632	ug/kg dry	
2,4-Dichlorophenol	120-83-2	474	<474	ug/kg dry	
2,4-Dimethylphenol	105-67-9	474	<474	ug/kg dry	
2,4-Dinitrophenol	51-28-5	948	<948	ug/kg dry	4.K, 4.M, 4.R
2,4-Dinitrotoluene	121-14-2	632	<632	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	632	<632	ug/kg dry	
2-Chloronaphthalene	91-58-7	474	<474	ug/kg dry	
2-Chlorophenol	95-57-8	474	<474	ug/kg dry	
2-Methylnaphthalene	91-57-6	474	<474	ug/kg dry	
2-Methylphenol	95-48-7	948	<948	ug/kg dry	
2-Nitroaniline	88-74-4	948	<948	ug/kg dry	
2-Nitrophenol	88-75-5	948	<948	ug/kg dry	4.K
3,3'-Dichlorobenzidine	91-94-1	948	<948	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	474	<474	ug/kg dry	
3-Nitroaniline	99-09-2	632	<632	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	948	<948	ug/kg dry	4.K, 4.M
4-Bromophenyl phenyl ether	101-55-3	632	<632	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	632	<632	ug/kg dry	
4-Chloroaniline	106-47-8	474	<474	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	632	<632	ug/kg dry	
4-Nitroaniline	100-01-6	948	<948	ug/kg dry	4.N
4-Nitrophenol	100-02-7	948	<948	ug/kg dry	
Acenaphthene	83-32-9	632	<632	ug/kg dry	
Acenaphthylene	208-96-8	474	<474	ug/kg dry	
Aniline	62-53-3	632	<632	ug/kg dry	
Anthracene	120-12-7	632	<632	ug/kg dry	
Benzidine	92-87-5	2210	<2210	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	474	<474	ug/kg dry	



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	474	<474	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	948	<948	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	474	<474	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	474	<474	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	474	<474	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	474	<474	ug/kg dry	
Bis(2-chloroisopropyl) ether		632	<632	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	948	<948	ug/kg dry	
Butyl benzyl phthalate	85-68-7	948	<948	ug/kg dry	
Carbazole	86-74-8	474	<474	ug/kg dry	
Chrysene	218-01-9	632	<632	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	474	<474	ug/kg dry	4.K
Dibenzofuran	132-64-9	632	<632	ug/kg dry	
Diethyl phthalate	84-66-2	632	<632	ug/kg dry	
Dimethyl phthalate	131-11-3	632	<632	ug/kg dry	
Di-n-butyl phthalate	84-74-2	948	<948	ug/kg dry	
Di-n-octyl phthalate	117-84-0	948	<948	ug/kg dry	4.K
Fluoranthene	206-44-0	632	<632	ug/kg dry	
Fluorene	86-73-7	632	<632	ug/kg dry	
Hexachlorobenzene	118-74-1	632	<632	ug/kg dry	
Hexachlorobutadiene	87-68-3	632	<632	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	948	<948	ug/kg dry	4.K, 4.M
Hexachloroethane	67-72-1	474	<474	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	474	<474	ug/kg dry	
Isophorone	78-59-1	948	<948	ug/kg dry	
Naphthalene	91-20-3	632	<632	ug/kg dry	
Nitrobenzene	98-95-3	632	<632	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	474	<474	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	474	<474	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	474	<474	ug/kg dry	
Pentachlorophenol	87-86-5	948	<948	ug/kg dry	
Phenanthrene	85-01-8	632	<632	ug/kg dry	
Phenol	108-95-2	474	<474	ug/kg dry	
Pyrene	129-00-0	632	<632	ug/kg dry	
Pyridine	110-86-1	632	<632	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	69	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	64	30.3-117	
Phenol-d6	13127-88-3	65	26.7-119	
Terphenyl-d14	1718-51-0	83	31.4-136	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	474	<474	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	474	<474	ug/kg dry	4.J
Acetophenone	989-86-2	474	<474	ug/kg dry	
Atrazine	1912-24-9	474	<474	ug/kg dry	
Benzaldehyde	100-52-7	474	<474	ug/kg dry	4.J
Caprolactam	105-60-2	474	<474	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	69	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	64	30.3-117	
Phenol-d6	13127-88-3	65	26.7-119	
Terphenyl-d14	1718-51-0	83	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	111	50-200	
Naphthalene-d8	1146-65-2	109	50-200	
Phenanthrene-d10	1517-22-2	108	50-200	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.11	<2.11	ug/kg dry	
4,4'-DDE	72-55-9	2.11	<2.11	ug/kg dry	
4,4'-DDT	50-29-3	2.11	<2.11	ug/kg dry	4.K
Aldrin	309-00-2	2.11	<2.11	ug/kg dry	
alpha-BHC	319-84-6	5.27	<5.27	ug/kg dry	
beta-BHC	319-85-7	5.27	<5.27	ug/kg dry	
cis-Chlordane	5103-71-9	5.27	15.5	ug/kg dry	
delta-BHC	319-86-8	5.27	18.6	ug/kg dry	
Dieldrin	60-57-1	2.11	<2.11	ug/kg dry	
Endosulfan I	959-98-8	5.27	<5.27	ug/kg dry	
Endosulfan II	33213-65-9	5.27	<5.27	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.27	<5.27	ug/kg dry	
Endrin	72-20-8	5.27	<5.27	ug/kg dry	4.K
Endrin Aldehyde	7421-93-4	5.27	<5.27	ug/kg dry	
Endrin Ketone	53494-70-5	5.27	<5.27	ug/kg dry	
gamma-BHC / Lindane	58-89-9	5.27	<5.27	ug/kg dry	
Heptachlor	76-44-8	5.27	15.7	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.27	<5.27	ug/kg dry	
Methoxychlor	72-43-5	5.27	<5.27	ug/kg dry	4.K
Mirex	2385-85-5	5.27	<5.27	ug/kg dry	
Toxaphene	8001-35-2	105	<105	ug/kg dry	
trans-Chlordane	5103-74-2	5.27	16.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	69	52.6-153	
Tetrachloro-m-xylene	877-09-8	72	56.1-151	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	52.7	<52.7	ug/kg dry	
Aroclor-1221	11104-28-2	52.7	<52.7	ug/kg dry	
Aroclor-1232	11141-16-5	52.7	<52.7	ug/kg dry	
Aroclor-1242	53469-21-9	52.7	<52.7	ug/kg dry	
Aroclor-1248	12672-29-6	52.7	<52.7	ug/kg dry	
Aroclor-1254	11097-69-1	52.7	<52.7	ug/kg dry	
Aroclor-1260	11096-82-5	52.7	<52.7	ug/kg dry	4.T
Aroclor-1262	37324-23-5	52.7	<52.7	ug/kg dry	
Aroclor-1268	11100-14-4	52.7	<52.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	21	47.4-148	4.D
Tetrachloro-m-xylene	877-09-8	79	51.4-150	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	26.3	<26.3	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	26.3	<26.3	ug/kg dry	
2,4-D	94-75-7	26.3	<26.3	ug/kg dry	
Dicamba	1918-00-9	26.3	<26.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	79	36.3-123	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	19.6	512	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.64	3.09	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	39.2	93.8	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	19.6	1010	mg/kg dry	
Lead	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	19.6	121	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	27.5	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	19.6	57.3	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.41	<0.41	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	39.2	<39.2	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	2.40	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/22/2023	EPA 7196 A	0.527	<0.527	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/24/2023	EPA 9014	0.21	<0.21	mg/kg dry	

Date Prepared: 08/24/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

PFCs Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
11-CESF-3-oxaundecane-1-sulfonate (11CI-PF3OUdS)		1.053	<1.053	ng/kg dry	
2,3,3,3-Tetrafluoro-2-propanoic acid (HFPO-DA)	13252-13-6	1.053	<1.053	ng/kg dry	
3:3 FTCA		1.053	<1.053	ng/kg dry	
4:2 FTS		1.053	<1.053	ng/kg dry	
5:3 FTCA		5.266	<5.266	ng/kg dry	
6:2 FTS	27619-97-2	1.053	<1.053	ng/kg dry	
7:3 FTCA		5.266	<5.266	ng/kg dry	
8:2 FTS	39108-34-4	1.053	<1.053	ng/kg dry	
9-CHDF-3-oxanonane-1-sulfonate (9CI-PF3ONS)		1.053	<1.053	ng/kg dry	
Dodecafluoro-3H-4,8-dioxanonaate (ADONA)		1.053	<1.053	ng/kg dry	
N-EtFOSA		5.266	<5.266	ng/kg dry	
N-EtFOSAA	2991-50-6	1.053	<1.053	ng/kg dry	
N-EtFOSE		10.53	<10.53	ng/kg dry	
N-MeFOSA		1.053	<1.053	ng/kg dry	
N-MeFOSAA	2355-31-9	1.053	<1.053	ng/kg dry	
N-MeFOSE		5.266	<5.266	ng/kg dry	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)		1.053	<1.053	ng/kg dry	
Perfluoro-1-decanesulfonate (PFDS)		1.053	<1.053	ng/kg dry	
Perfluoro-1-dodecanesulfonate (PFDoS)		1.053	<1.053	ng/kg dry	
Perfluoro-1-nonanesulfonate (PFNS)		1.053	<1.053	ng/kg dry	
Perfluoro-3,6,dioxaheptanoic acid (NFDHA)		5.266	<5.266	ng/kg dry	
Perfluoro-4-oxapentanoic acid (PFMPA)		5.266	<5.266	ng/kg dry	
Perfluoro-5-oxahexanoic acid (PFMBA)		5.266	<5.266	ng/kg dry	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.053	<1.053	ng/kg dry	
Perfluorobutanoic Acid (PFBA)	375-22-4	1.053	<1.053	ng/kg dry	
Perfluorodecanoic Acid (PFDA)	335-76-2	1.053	<1.053	ng/kg dry	
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.053	<1.053	ng/kg dry	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.053	<1.053	ng/kg dry	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.053	<1.053	ng/kg dry	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.053	<1.053	ng/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.053	<1.053	ng/kg dry	
Perfluorononanoic Acid (PFNA)	375-95-1	1.053	<1.053	ng/kg dry	
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.053	<1.053	ng/kg dry	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.053	<1.053	ng/kg dry	
Perfluorooctanoic Acid (PFOA)	335-67-1	1.053	<1.053	ng/kg dry	
Perfluoropentanesulfonic Acid (PFPeS)		1.053	<1.053	ng/kg dry	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1.053	<1.053	ng/kg dry	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	1.053	<1.053	ng/kg dry	
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	1.053	<1.053	ng/kg dry	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.053	<1.053	ng/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-(N-ethyl-d5-perfluoro-1-octanesulfonamido)		28	50-150	4.D
2-(N-methyl-d3-perfluoro-1-octanesulfonamido)		41	50-150	4.D
2,3,3,3-Tetrafluoro-2-(13C3) propanoic acid	13252-13-6	72	50-150	
N-ethyl-d5-perfluoro-1-octanesulfonamide		11	50-150	4.D
N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid		92	50-150	
N-methyl-d3-perfluoro-1-octanesulfonamide		22	50-150	4.D
N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid		89	50-150	
Perfluoro-1-(13C8)octanesulfonamide		78	50-150	
Perfluoro-n-(1,2,3,4,5,6,7-13C7)undecanoic acid	2058-94-8	90	50-150	
Perfluoro-n-(1,2,3,4,5,6-13C6)decanoic acid	335-76-2	84	50-150	
Perfluoro-n-(1,2,3,4,6-13C5) hexanoic acid	307-24-4	75	50-150	
Perfluoro-n-(1,2,3,4-13C4) heptanoic acid	375-85-9	79	50-150	
Perfluoro-n-(1,2-13C2)dodecanoic acid	307-55-1	88	50-150	
Perfluoro-n-(1,2-13C2)tetradecanoic acid		87	50-150	
Perfluoro-n-(13C4)butanoic acid	375-22-4	69	50-150	
Perfluoro-n-(13C5)pentanoic acid	2706-90-3	70	50-150	
Perfluoro-n-(13C8)octanoic acid	335-67-1	87	50-150	
Perfluoro-n-(13C9)nonanoic acid	375-95-1	90	50-150	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
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Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Sodium perfluoro-1-(1,2,3-13C3)hexanesulfonate	355-46-4	87	50-150	
Sodium perfluoro-1-(1,2-13C2)decanesulfonate	39108-34-4	74	50-150	
Sodium perfluoro-1-(1,2-13C2)octanesulfonate	27619-97-2	64	50-150	
Sodium perfluoro-1-(13C8)octanesulfonate	1763-23-1	92	50-150	
Sodium perfluoro-1-(2,3,4-13C3)butanesulfonate	375-73-5	82	50-150	
Sodium perfluoro-1-(1,2-13C2)hexanesulfonate	757124-72-4	58	50-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Perfluoro-n-(1,2,3,4,5-13C5)nonanoic acid		113	0-200	
Perfluoro-n-(1,2,3,4-13C4)octanoic acid		108	0-200	
Perfluoro-n-(1,2-13C2)decanoic acid		116	0-200	
Perfluoro-n-(1,2-13C2)hexanoic acid		111	0-200	
Perfluoro-n-(2,3,4-13C3)butanoic acid	375-22-4	123	0-200	
Sodium perfluoro-1-(1,2,3,4-13C4)octanesulfonate	1763-23-1	119	0-200	
Sodium perfluoro-1-hexane(18O2)sulfonate		114	0-200	

Date Prepared: 09/08/2023

Preparation Method: EPA 1633

Date Analyzed: 09/14/2023

Analytical Method: EPA 1633



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.30	<5.30	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.30	<5.30	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.30	<5.30	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.30	<5.30	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.30	<5.30	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.30	<5.30	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.30	<5.30	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.30	<5.30	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.30	<5.30	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.30	<5.30	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.30	<5.30	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.30	<5.30	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.30	<5.30	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.30	<5.30	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.30	<5.30	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.30	<5.30	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.30	<5.30	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.30	<5.30	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.30	<5.30	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.30	<5.30	ug/kg dry	
1,4-Dioxane	123-91-1	26.5	<26.5	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.30	<5.30	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.30	<5.30	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.30	<5.30	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.30	<5.30	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.6	<10.6	ug/kg dry	
Acetone	67-64-1	21.2	<21.2	ug/kg dry	4.S
Acrolein	107-02-8	10.6	<10.6	ug/kg dry	
Acrylonitrile	107-13-1	10.6	<10.6	ug/kg dry	
Benzene	71-43-2	5.30	<5.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.30	<5.30	ug/kg dry	
Bromochloromethane	74-97-5	5.30	<5.30	ug/kg dry	
Bromodichloromethane	75-27-4	5.30	<5.30	ug/kg dry	
Bromoform	75-25-2	5.30	<5.30	ug/kg dry	
Bromomethane	74-83-9	5.30	<5.30	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.30	<5.30	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.30	<5.30	ug/kg dry	
Chlorobenzene	108-90-7	5.30	<5.30	ug/kg dry	
Chloroethane	75-00-3	5.30	<5.30	ug/kg dry	4.K, 4.R
Chloroform	67-66-3	5.30	<5.30	ug/kg dry	
Chloromethane	74-87-3	5.30	<5.30	ug/kg dry	4.R, 4.K
cis-1,2-Dichloroethene	156-59-2	5.30	<5.30	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.6	<10.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.30	<5.30	ug/kg dry	
Dibromomethane	74-95-3	5.30	<5.30	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.30	<5.30	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.30	<5.30	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.30	<5.30	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.30	<5.30	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.6	<10.6	ug/kg dry	
Methyl Acetate	79-20-9	5.30	<5.30	ug/kg dry	4.J, 4.N
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.6	<10.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.6	<10.6	ug/kg dry	
Methylene Chloride	75-09-2	5.30	<5.30	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.30	<5.30	ug/kg dry	
n-Butylbenzene	104-51-8	5.30	<5.30	ug/kg dry	
n-Propylbenzene	103-65-1	5.30	<5.30	ug/kg dry	
o-Xylene	95-47-6	5.30	<5.30	ug/kg dry	
sec-Butylbenzene	135-98-8	5.30	<5.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.30	<5.30	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.6	<10.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.30	<5.30	ug/kg dry	
Tetrachloroethene	127-18-4	5.30	<5.30	ug/kg dry	
Toluene	108-88-3	5.30	<5.30	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.30	<5.30	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.30	<5.30	ug/kg dry	
Trichloroethene	79-01-6	5.30	<5.30	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.30	<5.30	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.30	<5.30	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	103	72.1-142	
4-Bromofluorobenzene	460-00-4	98	76.1-131	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Toluene-d8	2037-26-5	111	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	213	<213	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	213	<213	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	213	<213	ug/kg dry	
2,4-Dichlorophenol	120-83-2	159	<159	ug/kg dry	
2,4-Dimethylphenol	105-67-9	159	<159	ug/kg dry	
2,4-Dinitrophenol	51-28-5	319	<319	ug/kg dry	4.K, 4.M, 4.R
2,4-Dinitrotoluene	121-14-2	213	<213	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	213	<213	ug/kg dry	
2-Chloronaphthalene	91-58-7	159	<159	ug/kg dry	
2-Chlorophenol	95-57-8	159	<159	ug/kg dry	
2-Methylnaphthalene	91-57-6	159	<159	ug/kg dry	
2-Methylphenol	95-48-7	319	<319	ug/kg dry	
2-Nitroaniline	88-74-4	319	<319	ug/kg dry	
2-Nitrophenol	88-75-5	319	<319	ug/kg dry	4.K
3,3'-Dichlorobenzidine	91-94-1	319	<319	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	159	<159	ug/kg dry	
3-Nitroaniline	99-09-2	213	<213	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	319	<319	ug/kg dry	4.K, 4.M
4-Bromophenyl phenyl ether	101-55-3	213	<213	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	213	<213	ug/kg dry	
4-Chloroaniline	106-47-8	159	<159	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	213	<213	ug/kg dry	
4-Nitroaniline	100-01-6	319	<319	ug/kg dry	4.N
4-Nitrophenol	100-02-7	319	<319	ug/kg dry	
Acenaphthene	83-32-9	213	<213	ug/kg dry	
Acenaphthylene	208-96-8	159	<159	ug/kg dry	
Aniline	62-53-3	213	<213	ug/kg dry	
Anthracene	120-12-7	213	<213	ug/kg dry	
Benzidine	92-87-5	744	<744	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	159	<159	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	159	<159	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	319	<319	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	159	<159	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	159	<159	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	159	<159	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	159	<159	ug/kg dry	
Bis(2-chloroisopropyl) ether		213	<213	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	319	<319	ug/kg dry	
Butyl benzyl phthalate	85-68-7	319	<319	ug/kg dry	
Carbazole	86-74-8	159	<159	ug/kg dry	
Chrysene	218-01-9	213	<213	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	159	<159	ug/kg dry	4.K
Dibenzofuran	132-64-9	213	<213	ug/kg dry	
Diethyl phthalate	84-66-2	213	<213	ug/kg dry	
Dimethyl phthalate	131-11-3	213	<213	ug/kg dry	
Di-n-butyl phthalate	84-74-2	319	<319	ug/kg dry	
Di-n-octyl phthalate	117-84-0	319	<319	ug/kg dry	4.K
Fluoranthene	206-44-0	213	<213	ug/kg dry	
Fluorene	86-73-7	213	<213	ug/kg dry	
Hexachlorobenzene	118-74-1	213	<213	ug/kg dry	
Hexachlorobutadiene	87-68-3	213	<213	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	319	<319	ug/kg dry	4.K, 4.M
Hexachloroethane	67-72-1	159	<159	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	159	<159	ug/kg dry	
Isophorone	78-59-1	319	<319	ug/kg dry	
Naphthalene	91-20-3	213	<213	ug/kg dry	
Nitrobenzene	98-95-3	213	<213	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	159	<159	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	159	<159	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
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Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	159	<159	ug/kg dry	
Pentachlorophenol	87-86-5	319	<319	ug/kg dry	
Phenanthrene	85-01-8	213	<213	ug/kg dry	
Phenol	108-95-2	159	<159	ug/kg dry	
Pyrene	129-00-0	213	<213	ug/kg dry	
Pyridine	110-86-1	213	<213	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	67	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	57	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	79	31.4-136	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	159	<159	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	159	<159	ug/kg dry	4.J
Acetophenone	989-86-2	159	<159	ug/kg dry	
Atrazine	1912-24-9	159	<159	ug/kg dry	
Benzaldehyde	100-52-7	159	<159	ug/kg dry	4.J
Caprolactam	105-60-2	159	<159	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	67	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	57	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	79	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	113	50-200	
Naphthalene-d8	1146-65-2	111	50-200	
Phenanthrene-d10	1517-22-2	110	50-200	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.13	<2.13	ug/kg dry	
4,4'-DDE	72-55-9	2.13	<2.13	ug/kg dry	
4,4'-DDT	50-29-3	2.13	<2.13	ug/kg dry	4.K
Aldrin	309-00-2	2.13	<2.13	ug/kg dry	
alpha-BHC	319-84-6	5.32	<5.32	ug/kg dry	
beta-BHC	319-85-7	5.32	<5.32	ug/kg dry	
cis-Chlordane	5103-71-9	5.32	<5.32	ug/kg dry	
delta-BHC	319-86-8	5.32	18.7	ug/kg dry	
Dieldrin	60-57-1	2.13	<2.13	ug/kg dry	
Endosulfan I	959-98-8	5.32	<5.32	ug/kg dry	
Endosulfan II	33213-65-9	5.32	<5.32	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.32	<5.32	ug/kg dry	
Endrin	72-20-8	5.32	<5.32	ug/kg dry	4.K
Endrin Aldehyde	7421-93-4	5.32	<5.32	ug/kg dry	
Endrin Ketone	53494-70-5	5.32	<5.32	ug/kg dry	
gamma-BHC / Lindane	58-89-9	5.32	<5.32	ug/kg dry	
Heptachlor	76-44-8	5.32	16.0	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.32	<5.32	ug/kg dry	
Methoxychlor	72-43-5	5.32	<5.32	ug/kg dry	4.K
Mirex	2385-85-5	5.32	<5.32	ug/kg dry	
Toxaphene	8001-35-2	106	<106	ug/kg dry	
trans-Chlordane	5103-74-2	5.32	16.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	64	52.6-153	
Tetrachloro-m-xylene	877-09-8	63	56.1-151	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	53.2	<53.2	ug/kg dry	
Aroclor-1221	11104-28-2	53.2	<53.2	ug/kg dry	
Aroclor-1232	11141-16-5	53.2	<53.2	ug/kg dry	
Aroclor-1242	53469-21-9	53.2	<53.2	ug/kg dry	
Aroclor-1248	12672-29-6	53.2	<53.2	ug/kg dry	
Aroclor-1254	11097-69-1	53.2	<53.2	ug/kg dry	
Aroclor-1260	11096-82-5	53.2	<53.2	ug/kg dry	
Aroclor-1262	37324-23-5	53.2	<53.2	ug/kg dry	
Aroclor-1268	11100-14-4	53.2	<53.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	18	47.4-148	4.D
Tetrachloro-m-xylene	877-09-8	86	51.4-150	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8082 A



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110 Colin Drive • Holbrook, New York 11741

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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	26.6	<26.6	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	26.6	<26.6	ug/kg dry	
2,4-D	94-75-7	26.6	<26.6	ug/kg dry	
Dicamba	1918-00-9	26.6	<26.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	77	36.3-123	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	16.5	466	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.38	2.94	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	33.3	78.8	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	1.69	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	16.5	998	mg/kg dry	
Lead	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	16.7	117	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	26.0	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	16.5	53.1	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.34	<0.34	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	33.0	<33.0	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	2.02	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/22/2023	EPA 7196 A	0.532	<0.532	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.008	<0.008	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/24/2023	EPA 9014	0.21	<0.21	mg/kg dry	

Date Prepared: 08/24/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.16	<5.16	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.16	<5.16	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.16	<5.16	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.16	<5.16	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	5.16	<5.16	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.16	<5.16	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.16	<5.16	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.16	<5.16	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	5.16	<5.16	ug/kg dry	4.K
1,2,3-Trichloropropane	96-18-4	5.16	<5.16	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.16	<5.16	ug/kg dry	4.K
1,2,4-Trimethylbenzene	95-63-6	5.16	<5.16	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.16	<5.16	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.16	<5.16	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.16	<5.16	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.16	<5.16	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.16	<5.16	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.16	<5.16	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.16	<5.16	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.16	<5.16	ug/kg dry	
1,4-Dioxane	123-91-1	25.8	<25.8	ug/kg dry	4.C
2,2-Dichloropropane	594-20-7	5.16	<5.16	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.16	<5.16	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.16	<5.16	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.16	<5.16	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.3	<10.3	ug/kg dry	
Acetone	67-64-1	20.6	<20.6	ug/kg dry	4.S
Acrolein	107-02-8	10.3	<10.3	ug/kg dry	
Acrylonitrile	107-13-1	10.3	<10.3	ug/kg dry	
Benzene	71-43-2	5.16	<5.16	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.16	<5.16	ug/kg dry	
Bromochloromethane	74-97-5	5.16	<5.16	ug/kg dry	4.K, 4.S
Bromodichloromethane	75-27-4	5.16	<5.16	ug/kg dry	
Bromoform	75-25-2	5.16	<5.16	ug/kg dry	
Bromomethane	74-83-9	5.16	<5.16	ug/kg dry	4.K, 4.M
Carbon disulfide	75-15-0	5.16	<5.16	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	5.16	<5.16	ug/kg dry	4.S
Chlorobenzene	108-90-7	5.16	<5.16	ug/kg dry	
Chloroethane	75-00-3	5.16	<5.16	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	5.16	<5.16	ug/kg dry	4.C
Chloromethane	74-87-3	5.16	<5.16	ug/kg dry	4.R, 4.K, 4.M
cis-1,2-Dichloroethene	156-59-2	5.16	<5.16	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.3	<10.3	ug/kg dry	
Dibromochloromethane	124-48-1	5.16	<5.16	ug/kg dry	
Dibromomethane	74-95-3	5.16	<5.16	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.16	<5.16	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	5.16	<5.16	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.16	<5.16	ug/kg dry	4.K
Isopropylbenzene (Cumene)	98-82-8	5.16	<5.16	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.3	<10.3	ug/kg dry	
Methyl Acetate	79-20-9	5.16	<5.16	ug/kg dry	4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.3	<10.3	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.3	<10.3	ug/kg dry	
Methylene Chloride	75-09-2	5.16	<5.16	ug/kg dry	4.C, 4.S
Methyl-tert-Butyl Ether	1634-04-4	5.16	<5.16	ug/kg dry	
n-Butylbenzene	104-51-8	5.16	<5.16	ug/kg dry	4.S
n-Propylbenzene	103-65-1	5.16	<5.16	ug/kg dry	
o-Xylene	95-47-6	5.16	<5.16	ug/kg dry	
sec-Butylbenzene	135-98-8	5.16	<5.16	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.16	<5.16	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.3	<10.3	ug/kg dry	
tert-Butylbenzene	98-06-6	5.16	<5.16	ug/kg dry	
Tetrachloroethene	127-18-4	5.16	<5.16	ug/kg dry	4.S
Toluene	108-88-3	5.16	<5.16	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	5.16	<5.16	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.16	<5.16	ug/kg dry	
Trichloroethene	79-01-6	5.16	<5.16	ug/kg dry	4.S
Trichlorofluoromethane	75-69-4	5.16	<5.16	ug/kg dry	4.R, 4.K, 4.M
Vinyl chloride	75-01-4	5.16	<5.16	ug/kg dry	4.M, 4.R, 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	102	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	

Date Prepared: 08/24/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/24/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
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	4.S
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	4.S
1,1-Dichloropropene	563-58-6	5.27	<5.27	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	5.27	<5.27	ug/kg dry	4.K
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	4.K
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	4.C
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	4.R
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	4.S
Acrolein	107-02-8	10.5	<10.5	ug/kg dry	
Acrylonitrile	107-13-1	10.5	<10.5	ug/kg dry	
Benzene	71-43-2	5.27	<5.27	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
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	4.K, 4.S
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	4.K, 4.M
Carbon disulfide	75-15-0	5.27	<5.27	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	5.27	<5.27	ug/kg dry	4.S
Chlorobenzene	108-90-7	5.27	<5.27	ug/kg dry	
Chloroethane	75-00-3	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	5.27	<5.27	ug/kg dry	4.C
Chloromethane	74-87-3	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
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	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	5.27	<5.27	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.27	<5.27	ug/kg dry	4.K
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.S
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	4.C, 4.S
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	4.S
n-Propylbenzene	103-65-1	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	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.27	<5.27	ug/kg dry	
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	4.S
Toluene	108-88-3	5.27	<5.27	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	5.27	<5.27	ug/kg dry	4.S
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	4.S
Trichlorofluoromethane	75-69-4	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	117	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	107	77.6-135	
Toluene-d8	2037-26-5	100	77.8-124	

Date Prepared: 08/24/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/24/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.32	<5.32	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.32	<5.32	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.32	<5.32	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.32	<5.32	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.32	<5.32	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.32	<5.32	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.32	<5.32	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.32	<5.32	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.32	<5.32	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.32	<5.32	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.32	<5.32	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.32	<5.32	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.32	<5.32	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.32	<5.32	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.32	<5.32	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.32	<5.32	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.32	<5.32	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.32	<5.32	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.32	<5.32	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.32	<5.32	ug/kg dry	
1,4-Dioxane	123-91-1	26.6	<26.6	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.32	<5.32	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.32	<5.32	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.32	<5.32	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.32	<5.32	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.6	<10.6	ug/kg dry	
Acetone	67-64-1	21.3	<21.3	ug/kg dry	4.S
Acrolein	107-02-8	10.6	<10.6	ug/kg dry	
Acrylonitrile	107-13-1	10.6	<10.6	ug/kg dry	
Benzene	71-43-2	5.32	<5.32	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.32	<5.32	ug/kg dry	
Bromochloromethane	74-97-5	5.32	<5.32	ug/kg dry	
Bromodichloromethane	75-27-4	5.32	<5.32	ug/kg dry	
Bromoform	75-25-2	5.32	<5.32	ug/kg dry	
Bromomethane	74-83-9	5.32	<5.32	ug/kg dry	4.R, 4.K
Carbon disulfide	75-15-0	5.32	<5.32	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.32	<5.32	ug/kg dry	
Chlorobenzene	108-90-7	5.32	<5.32	ug/kg dry	
Chloroethane	75-00-3	5.32	<5.32	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.32	<5.32	ug/kg dry	
Chloromethane	74-87-3	5.32	<5.32	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.32	<5.32	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.6	<10.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.32	<5.32	ug/kg dry	
Dibromomethane	74-95-3	5.32	<5.32	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.32	<5.32	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.32	<5.32	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.32	<5.32	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.32	<5.32	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.6	<10.6	ug/kg dry	
Methyl Acetate	79-20-9	5.32	<5.32	ug/kg dry	4.J, 4.N
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.6	<10.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.6	<10.6	ug/kg dry	
Methylene Chloride	75-09-2	5.32	<5.32	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.32	<5.32	ug/kg dry	
n-Butylbenzene	104-51-8	5.32	<5.32	ug/kg dry	
n-Propylbenzene	103-65-1	5.32	<5.32	ug/kg dry	
o-Xylene	95-47-6	5.32	<5.32	ug/kg dry	
sec-Butylbenzene	135-98-8	5.32	<5.32	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.32	<5.32	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.6	<10.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.32	<5.32	ug/kg dry	
Tetrachloroethene	127-18-4	5.32	<5.32	ug/kg dry	
Toluene	108-88-3	5.32	<5.32	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.32	<5.32	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.32	<5.32	ug/kg dry	
Trichloroethene	79-01-6	5.32	<5.32	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.32	<5.32	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.32	<5.32	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	105	72.1-142	
4-Bromofluorobenzene	460-00-4	99	76.1-131	
Dibromofluoromethane	1868-53-7	91	77.6-135	
Toluene-d8	2037-26-5	108	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
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	
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	4.S
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	4.J
1,2,3-Trichloropropane	96-18-4	5.47	<5.47	ug/kg dry	
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-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	
1,2-Dichloropropane	78-87-5	5.47	<5.47	ug/kg dry	4.N
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	
1,4-Dichlorobenzene	106-46-7	5.47	<5.47	ug/kg dry	
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.R
2-Chlorotoluene	95-49-8	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	
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
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.R, 4.K
Carbon disulfide	75-15-0	5.47	<5.47	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.47	<5.47	ug/kg dry	
Chlorobenzene	108-90-7	5.47	<5.47	ug/kg dry	
Chloroethane	75-00-3	5.47	<5.47	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.47	<5.47	ug/kg dry	
Chloromethane	74-87-3	5.47	<5.47	ug/kg dry	4.K, 4.R
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	4.K, 4.R
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.47	<5.47	ug/kg dry	4.J
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	
Methyl Acetate	79-20-9	5.47	<5.47	ug/kg dry	4.J, 4.N
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	
Methylene Chloride	75-09-2	5.47	<5.47	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	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	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
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	
Tetrachloroethene	127-18-4	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	4.S
trans-1,3-Dichloropropene	10061-02-6	5.47	<5.47	ug/kg dry	
Trichloroethene	79-01-6	5.47	<5.47	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.47	<5.47	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.47	<5.47	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	104	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	107	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.21	<5.21	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.21	<5.21	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.21	<5.21	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.21	<5.21	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.21	<5.21	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.21	<5.21	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.21	<5.21	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.21	<5.21	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.21	<5.21	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.21	<5.21	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.21	<5.21	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.21	<5.21	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.21	<5.21	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.21	<5.21	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.21	<5.21	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.21	<5.21	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.21	<5.21	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.21	<5.21	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.21	<5.21	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.21	<5.21	ug/kg dry	
1,4-Dioxane	123-91-1	26.0	<26.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.21	<5.21	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.21	<5.21	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.21	<5.21	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.21	<5.21	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	4.S
Acrolein	107-02-8	10.4	<10.4	ug/kg dry	
Acrylonitrile	107-13-1	10.4	<10.4	ug/kg dry	
Benzene	71-43-2	5.21	<5.21	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.21	<5.21	ug/kg dry	
Bromochloromethane	74-97-5	5.21	<5.21	ug/kg dry	
Bromodichloromethane	75-27-4	5.21	<5.21	ug/kg dry	
Bromoform	75-25-2	5.21	<5.21	ug/kg dry	
Bromomethane	74-83-9	5.21	<5.21	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.21	<5.21	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.21	<5.21	ug/kg dry	
Chlorobenzene	108-90-7	5.21	<5.21	ug/kg dry	
Chloroethane	75-00-3	5.21	<5.21	ug/kg dry	4.K, 4.R
Chloroform	67-66-3	5.21	<5.21	ug/kg dry	
Chloromethane	74-87-3	5.21	<5.21	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.21	<5.21	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.4	<10.4	ug/kg dry	
Dibromochloromethane	124-48-1	5.21	<5.21	ug/kg dry	
Dibromomethane	74-95-3	5.21	<5.21	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.21	<5.21	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.21	<5.21	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.21	<5.21	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.21	<5.21	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.4	<10.4	ug/kg dry	
Methyl Acetate	79-20-9	5.21	<5.21	ug/kg dry	4.N, 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	5.21	<5.21	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.21	<5.21	ug/kg dry	
n-Butylbenzene	104-51-8	5.21	<5.21	ug/kg dry	
n-Propylbenzene	103-65-1	5.21	<5.21	ug/kg dry	
o-Xylene	95-47-6	5.21	<5.21	ug/kg dry	
sec-Butylbenzene	135-98-8	5.21	<5.21	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.21	<5.21	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.4	<10.4	ug/kg dry	
tert-Butylbenzene	98-06-6	5.21	<5.21	ug/kg dry	
Tetrachloroethene	127-18-4	5.21	<5.21	ug/kg dry	
Toluene	108-88-3	5.21	<5.21	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.21	<5.21	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.21	<5.21	ug/kg dry	
Trichloroethene	79-01-6	5.21	<5.21	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.21	<5.21	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.21	<5.21	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	105	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Toluene-d8	2037-26-5	97	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Data Qualifiers Key Reference:

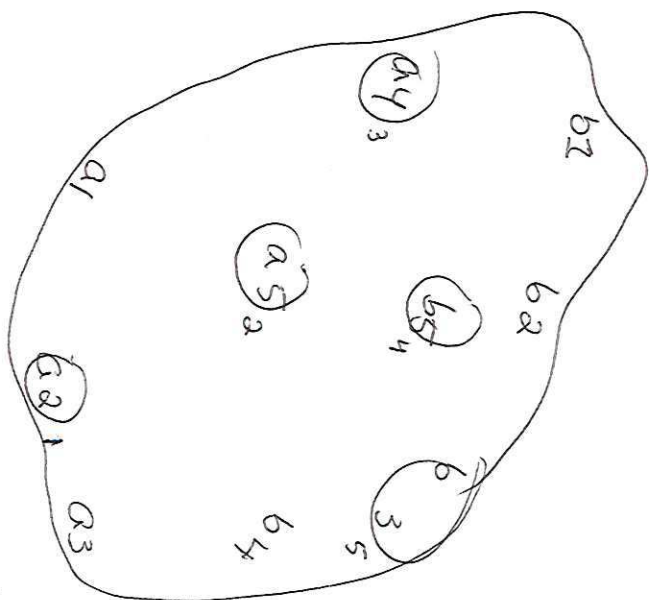
4.C	Target compound found in blank.
4.D	Surrogate recovery has failed low.
4.J	Continuing Calibration Verification (CCV) quality control levels failed low, values are considered to be estimated.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to 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

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Tony Casale Jr				CONTACT: Mike Festo		SAMPLER (SIGNATURE): 		SAMPLER NAME (PRINT): Mike Festo		SAMPLER(S) SEALED YES / NO		CORRECT CONTAINERS YES / NO		3081854	
PROJECT LOCATION: 2 Java Brooklyn				PHONE: (914) 375 2177		SAMPLER RECEIVED AT: 2.3 °C		SAMPLER NAME (PRINT): Evan Latoras		YES / NO		YES / NO			
REPORTS EMAIL: mikef@tonycasaleinc.com				INVOICE EMAIL:											
LABORATORY ID # For Laboratory Use Only	MATRIX	TYPE	PH	RES. CHLORINE PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED							
1.	S	C			8/18/03	2:14:00	Stockpile Comp A	EPA 215A H	✓	✓	✓	✓	✓	✓	✓
2.	S	C			8/18/03	14:05	Stockpile Comp B	EPA 8210E SVOC	✓	✓	✓	✓	✓	✓	✓
3.	S	g			8/18/03	14:00	SPG 1 (a2)	EPA 8210A PCB	✓	✓	✓	✓	✓	✓	✓
4.	S	g			8/18/03	14:07	SPG 2 (a5)	EPA 8081B Pest	✓	✓	✓	✓	✓	✓	✓
5.	S	g			8/18/03	14:10	SPG 3 (a4)	EPA 6010D	✓	✓	✓	✓	✓	✓	✓
6.	S	g			8/18/03	14:13	SPG 4 (b5)	EPA 9901A	✓	✓	✓	✓	✓	✓	✓
7.	S	g			8/18/03	14:15	SPG 5 (b3)	EPA 7196A	✓	✓	✓	✓	✓	✓	✓
8.								EPA 7471B Metals	✓	✓	✓	✓	✓	✓	✓
9.								Hex/Trichloro	✓	✓	✓	✓	✓	✓	✓
10.								Cyanide	✓	✓	✓	✓	✓	✓	✓
11.								EPA 8260D VOCs	✓	✓	✓	✓	✓	✓	✓
12.															
13.															
14.															

3081854

a, b - comps
O grab



other
piles

lake

Road



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin, 1-inch to 1.5-inch stone as part of the proposed waterfront development work. A portion of this work occurs within the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source, and none of this material passes through the #80 sieve. In accordance with NYSDEC DER-10, Section 5.5, no chemical testing is required for this material.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The attached analysis confirms none of this material passes through the #80 sieve.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Stravola Construction Materials, Inc.

Location where fill was obtained:

Beaver Run Quarry

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Natural Virgin Source Quarry.

Provide a list of supporting documentation included with this request:

Gradation report.

The information provided on this form is accurate and complete.

Robert Kovacs Digitally signed by Robert Kovacs
Date: 2023.03.22 12:23:55 -04'00'

Signature

3/22/2023

Date

Robert Kovacs, P.G.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm



Trevcon Construction Co., Inc.

125 Maiden Lane, Suite 306 • New York, NY 10038
Telephone: (212) 785-0439 • Fax: (212) 785-0475
www.trevcon.com

1 Java Street - Lendlease - Project #263851 Brooklyn, New York

This Submittal has been checked by this GC. It is certified correct, complete and in conformance with Contract Drawings and Specifications.	
Submittal No/Rev: Submittal 044 -Crushed Stone L wall Data	Date: 03/21/2023
Spec Section: SECTION 02 38 00 RIPRAP REVETMENT	Paragraph: N/A
Drawing No: MR-503	Prepared: Mariana Pires
Subcontractor: N/A	Supplier: Stavola
Fabricator: N/A	
Engineer: McLaren Engineering Group	CM: Lendlease
Deviations: N/A	Owner: 1 Java Owner LLC

Gradation Test Report

Plant 01-Beaver Run Aggregate
Product 0011-1 1/2" ASTM #4 BRQ
Specification 1 1/2" ASTM #4



Sample Information

Sample No 65097297
Date Sampled 04/29/2022 12:51
Sampled By Lindsay Csabai
Type Shipping
Method Load-Out Face

Split Sample ☐
Resample ☐

Gradation Results

Date Completed 04/29/2022 12:51
Tested By Lindsay Csabai

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure		
lb		27.80						
Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
2 1/2" (63mm)	0.00	0.00	0	0	100			
2" (50mm)	0.00	0.00	0	0	100		≥100	
1 1/2" (37.5mm)	1.80	1.80	6	6	94		90-100	
1" (25mm)	17.60	19.40	63	70	30		20-55	
3/4" (19mm)	7.00	26.40	25	95	5		0-15	
1/2" (12.5mm)	1.10	27.50	4	99	1			
Pan	0.30	27.80	1.0791	100.0000	0.0000			



Philip D. Murphy
Governor

Sheila Y. Oliver
Lieutenant Governor

State of New Jersey
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
LABOR STANDARDS AND SAFETY ENFORCEMENT
DIVISION OF PUBLIC SAFETY & OCCUPATIONAL SAFETY & HEALTH
Office of Safety Compliance
P.O. Box 386
Trenton, NJ 08625-0386
(609) 292-2096 • Fax: (609) 777-4589

Robert Asaro-Angelo
Commissioner

Certificate No: 004915

Expiration Date: 03/31/2023

MINE REGISTRATION CERTIFICATE

ISSUED TO: Stavola Beaver Run Quarry Inc

LOCATION: Stavola Beaver Run Quarry Inc
Dekort Rd-300 Beaver Run Rd
Lafayette, NJ

BLK NO(S): SEE BELOW

LOT NO(S): SEE BELOW

COUNTY: Sussex

FEE: \$3,000.00

Issued pursuant to the provisions of N.J.S.A 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

BLOCK NO(S)

LOT NO(S)

Dekort Rd-300 Beaver Run Rd

25, 68

2, 4, 5, 3



STAVOLA

P.O. Box 482
Red Bank, NJ 07701
Phone 732-542-2328 x 323
Fax 732-389-0074
Cellular 732-522-0889
rvannote@stavola.com

10/20/2022

Dear Customer,

We are currently crushing rock down to the following size products:

Screenings (#10)	Ballast
3/8" Clean (#8)	Riprap
5/8" Clean (#67)	D.G.A. (Dense Graded Aggregate)
3/4" Clean (#57)	2 1/2" Clean
1 1/2" Clean	Finishing Stone
Certified Structural Fill (1/2" QP)	Washed Sand

Stavola Construction Materials, Inc. certifies all aggregate products are quarried and processed from a natural virgin source of Dolomite Limestone rock, from our Beaver Run quarry on Beaver Run Road, and are free of contaminants, organics, and is non plastic.

The Beaver Run quarry is located at 300 Beaver Run Road, Lafayette, NJ 07848 Block #28, #68 Lot #2, #4, #5 #3. Mine Certificate: 004740

If you have any questions or require further information, please don't hesitate to contact me at 732-542-2328 x323.

Sincerely,

Robert S VanNote III
Stavola Construction Materials Incorporated
Quality Control Manager



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Roux Environmental Engineering and Geology, D.P.C. (Roux) is requesting import of this 100% virgin, sand as part of the proposed waterfront development work. A portion of this work occurs within the Greenpoint Ferry BCP Site, located in Brooklyn, NY (BCP Site ID C224272). The attached confirms that this material is from a virgin source, and no more than 8.5% of this material passes through the #80 sieve. In accordance with NYSDEC DER-10, Section 5.5, no chemical testing is required for this material.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The attached analysis confirms no more than 8.5% of this material passes through the #80 sieve.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Vulcan Materials Company

Location where fill was obtained:

Hamburg Stone Quarry

Identification of any state or local approvals as a fill source:

NYSDOT (#8-48R)

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Virgin Source certification and gradation report.

The information provided on this form is accurate and complete.

Robert Kovacs

Signature

10/4/2022

Date

Brian Morrissey, P.E.

Print Name

Roux Environmental Engineering and Geology, D.P.C.

Firm

Date 7/20/23

Project: **1 Java Street**

Fax

Kenneth J. Cull

Mike Festo

Mr. Mike Festo

June 25, 2021

Tony Casale, Inc.

1185 Saw Mill River Road

Yonkers, NY 10710

To Whom it May Concern,

In response to the request for a letter of clarification regarding the Soil Layer S3, S2 and S1 material that will be transported to your 1 Java Project, please allow me to offer the following.

The S3 material is 100% virgin sand that has been dredged from the aquifer that supplies Long Island with it's drinking water. It comes from a NYSDEC approved mine located at 151 South Street, Manorville, NY., Sparrow Mining of Suffolk, LLC (d.b.a. Ranco Sand and Stone), operating under Permit #1-4722-00218/00001.

The S2 material is a blend of the above mentioned S3 material, and a topsoil component that comes from our selected topsoil supplier located at 650 Moriches-Middle Island Road, Moriches, NY 11955. Prior to shipment to my blending facility, the topsoil component was subjected to Part 375 NYSDEC testing, meeting unrestricted residential standards, in order to be transported to the facility for use.

The S1 material is a blend of the above mentioned S3, the topsoil component that is also used in S2, and leaf compost the originates at the MacArthur Composting Facility, 110 Railroad Ave., Ronkonkoma, NY 11779. This facility is licensed with the NYSDEC to produce compost and is a member of the U.S. Composting Council, operating under strict guidelines of both.

Any stockpiles that are sampled will remain segregated from other soils and will be properly maintained at the blending facility.

The aforementioned materials proposed for import to the project site do not contain any C&D debris, do not exhibit any observable indicators of contamination (i.e., petroleum staining and odors) and have not been in contact with a spill of petroleum, hazardous waste or industrial waste.

I make engineered soils for a variety of projects at the above mentioned Ranco Sand and Stone facility that are shipped into the New York Metropolitan area on a daily basis, and are subjected to the highest levels of scrutiny. The standards for environmental safety that are maintained at the facility are of the

highest level. We recently completed a project at the American Museum of Natural History that required environmental testing for each 250 cubic yard stockpile of blends made from these component sources, that met residential standards for the entire 5,000 cubic yards.

I hope this letter, along with the mining permit, will provide you with the information you need. If you need anything additional, please give me a call.

Respectfully,

Alan Marolf

Founder/President

Tony Casale Inc.

1185 Saw Mill River Rd.
Yonkers, NY 1710
Phone: 914-375-2177 Fax: 914-375-0620

Date **6/26/23**

Lendlease
200 Park Avenue, 9th Floor,
New York, NY 10166

Project: 1 Java Street

ATTN: Will Bardoel

Transmitted via:

E-mail ☒

Messenger/Hand

Fed Ex ☐

Separate Cover

UPS ☐

Fax

[illegible]

Submitted For:

☐
☒

 Review & Information Approval

Should you have any questions or concerns, please contact me.
Thank you.

Daniel Halas

REVIEWED

By Timothy A. Craul at 9:08 pm, Jul 23, 2023

A. McNITT & SERENSOIL TESTING

andy@turfsoiltesting.com
tom@turfsoiltesting.com

1338 Deerfield Drive
State College, PA 16803
www.TurfSoilTesting.com
610-360-5985

Sample:

#1 Java Soil Layer S2

Sample Submitted By: The Dirt Company - Northeast

Date Received:	22-Jun-23
Testing Dates:	6/22-6/26
Report Date:	26-Jun-23

Particle Size Analysis

% Gravel	7.2%
% Sand	77.1%
% Silt	12.6%
% Clay	3.1%

Sand Sieve Size Analysis

(ASTM F-1632-03)

% Passing

(No. 4) Gravel (> 4.75 mm)	2.0%	98.0%
(No. 10) Fine Gravel (4.75 - 2.0 mm)	5.2%	92.8%
(No. 18) Very Coarse Sand (2.0 - 1.0 mm)	7.5%	85.2%
(No. 35) Coarse Sand (1.0 - 0.5 mm)	18.2%	67.1%
(No. 60) Medium Sand (0.5 - 0.25 mm)	27.9%	39.2%
(No. 140) Fine Sand (0.25 - 0.10 mm)	16.9%	22.3%
(No. 270) Very Fine Sand (0.10 - 0.05 mm)	6.6%	15.7%
Silt (0.05 - 0.002 mm)	12.6%	
Clay (< 0.002 mm)	3.1%	

(ASTM F-1647-11, Method A - LOI)

pH	EC (dS/m)	Organic Matter %
7.5	0.1	0.91%

Comments

Sample tested as received. This soil is classified as a loamy sand with 7.2% gravel.

DATE: July 23, 2023

Tony Casale Inc.

1185 Saw Mill River Rd.
Yonkers, NY 1710
Phone: 914-375-2177 Fax: 914-375-0620

Date 9/19/23

Lendlease
200 Park Avenue, 9th Floor,
New York, NY 10166

Project: 1 Java Street

ATTN: Will Bardoel

Transmitted via: E-mail ☒ Messenger/Hand ☐
 Fed Ex ☐ Separate Cover ☐
 UPS ☐ Fax ☐

Spec	Item	Description	Page #	Copies
		S2 Chemical & PFAS Testing Results	2-58	
		S3 Chemical & PFAS Testing Results	59-101	

Submitted For: ☐ Review & Information
☒ Approval

Should you have any questions or concerns, please contact me.
Thank you.

Mike Festo

**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.****"TOMORROWS ANALYTICAL SOLUTIONS TODAY"**Laboratory ReportNYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 3081634

September 19, 2023

Tony Casale Inc
Mike Festo
1185 Saw Mill River Rd
Yonkers, NY 10710**Re: 1 Java Brooklyn**

Dear Mike Festo,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on August 16, 2023. Long Island Analytical laboratories analyzed the samples on September 14, 2023 for the following:

SAMPLE ID	ANALYSIS
Stockpile Comp A	EPA 1633, EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp B	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp C	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
SPG 1	EPA 8260D
SPG 2	EPA 8260D
SPG 3	EPA 8260D
SPG 4	EPA 8260D
SPG 5	EPA 8260D
SPG 6	EPA 8260D
SPG 7	EPA 8260D
SPG 8	EPA 8260D
SPG 9	EPA 8260D

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: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	763	<763	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	763	<763	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	763	<763	ug/kg dry	
2,4-Dichlorophenol	120-83-2	572	<572	ug/kg dry	
2,4-Dimethylphenol	105-67-9	572	<572	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1140	<1140	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	763	<763	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	763	<763	ug/kg dry	
2-Chloronaphthalene	91-58-7	572	<572	ug/kg dry	
2-Chlorophenol	95-57-8	572	<572	ug/kg dry	
2-Methylnaphthalene	91-57-6	572	<572	ug/kg dry	
2-Methylphenol	95-48-7	1140	<1140	ug/kg dry	
2-Nitroaniline	88-74-4	1140	<1140	ug/kg dry	
2-Nitrophenol	88-75-5	1140	<1140	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1140	<1140	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	572	<572	ug/kg dry	
3-Nitroaniline	99-09-2	763	<763	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1140	<1140	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	763	<763	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	763	<763	ug/kg dry	
4-Chloroaniline	106-47-8	572	<572	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	763	<763	ug/kg dry	
4-Nitroaniline	100-01-6	1140	<1140	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1140	<1140	ug/kg dry	
Acenaphthene	83-32-9	763	<763	ug/kg dry	
Acenaphthylene	208-96-8	572	<572	ug/kg dry	
Aniline	62-53-3	763	<763	ug/kg dry	
Anthracene	120-12-7	763	<763	ug/kg dry	
Benzidine	92-87-5	2670	<2670	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	572	<572	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	572	<572	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1140	<1140	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	572	<572	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	572	<572	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	572	<572	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	572	<572	ug/kg dry	
Bis(2-chloroisopropyl) ether		763	<763	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1140	<1140	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1140	<1140	ug/kg dry	
Carbazole	86-74-8	572	<572	ug/kg dry	
Chrysene	218-01-9	763	<763	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	572	<572	ug/kg dry	
Dibenzofuran	132-64-9	763	<763	ug/kg dry	
Diethyl phthalate	84-66-2	763	<763	ug/kg dry	
Dimethyl phthalate	131-11-3	763	<763	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1140	<1140	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1140	<1140	ug/kg dry	
Fluoranthene	206-44-0	763	<763	ug/kg dry	
Fluorene	86-73-7	763	<763	ug/kg dry	
Hexachlorobenzene	118-74-1	763	<763	ug/kg dry	
Hexachlorobutadiene	87-68-3	763	<763	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1140	<1140	ug/kg dry	
Hexachloroethane	67-72-1	572	<572	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	572	<572	ug/kg dry	
Isophorone	78-59-1	1140	<1140	ug/kg dry	
Naphthalene	91-20-3	763	<763	ug/kg dry	
Nitrobenzene	98-95-3	763	<763	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	572	<572	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	572	<572	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	572	<572	ug/kg dry	
Pentachlorophenol	87-86-5	1140	<1140	ug/kg dry	
Phenanthrene	85-01-8	763	<763	ug/kg dry	
Phenol	108-95-2	572	<572	ug/kg dry	
Pyrene	129-00-0	763	<763	ug/kg dry	
Pyridine	110-86-1	763	<763	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	59	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	572	<572	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	572	<572	ug/kg dry	4.N
Acetophenone	989-86-2	572	<572	ug/kg dry	
Atrazine	1912-24-9	572	<572	ug/kg dry	
Benzaldehyde	100-52-7	572	<572	ug/kg dry	
Caprolactam	105-60-2	572	<572	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	59	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.54	22.6	ug/kg dry	
4,4'-DDE	72-55-9	2.54	28.8	ug/kg dry	
4,4'-DDT	50-29-3	2.54	<2.54	ug/kg dry	
Aldrin	309-00-2	2.54	8.45	ug/kg dry	
alpha-BHC	319-84-6	6.36	24.0	ug/kg dry	
beta-BHC	319-85-7	6.36	16.6	ug/kg dry	
cis-Chlordane	5103-71-9	6.36	26.3	ug/kg dry	
delta-BHC	319-86-8	6.36	23.5	ug/kg dry	
Dieldrin	60-57-1	2.54	25.7	ug/kg dry	
Endosulfan I	959-98-8	6.36	19.3	ug/kg dry	
Endosulfan II	33213-65-9	6.36	17.4	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.36	<6.36	ug/kg dry	
Endrin	72-20-8	6.36	19.9	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.36	20.6	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.36	<6.36	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.36	23.0	ug/kg dry	
Heptachlor	76-44-8	6.36	19.9	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.36	19.5	ug/kg dry	
Methoxychlor	72-43-5	6.36	10.3	ug/kg dry	
Mirex	2385-85-5	6.36	<6.36	ug/kg dry	
Toxaphene	8001-35-2	127	<127	ug/kg dry	
trans-Chlordane	5103-74-2	6.36	<6.36	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	52.6-153	
Tetrachloro-m-xylene	877-09-8	83	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	63.6	<63.6	ug/kg dry	
Aroclor-1221	11104-28-2	63.6	<63.6	ug/kg dry	
Aroclor-1232	11141-16-5	63.6	<63.6	ug/kg dry	
Aroclor-1242	53469-21-9	63.6	<63.6	ug/kg dry	
Aroclor-1248	12672-29-6	63.6	<63.6	ug/kg dry	
Aroclor-1254	11097-69-1	63.6	<63.6	ug/kg dry	
Aroclor-1260	11096-82-5	63.6	<63.6	ug/kg dry	
Aroclor-1262	37324-23-5	63.6	<63.6	ug/kg dry	
Aroclor-1268	11100-14-4	63.6	<63.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	86	47.4-148	
Tetrachloro-m-xylene	877-09-8	89	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.8	<31.8	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.8	<31.8	ug/kg dry	
2,4-D	94-75-7	31.8	<31.8	ug/kg dry	
Dicamba	1918-00-9	31.8	<31.8	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	68	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A



**LONG
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"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

110 Colin Drive • Holbrook, New York 11741

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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	20.9	6290	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.74	3.37	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.74	29.0	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.70	<0.70	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	41.7	4550	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.74	10.3	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.74	3.00	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.74	14.3	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	209	9030	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.74	20.9	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	20.9	1880	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.74	141	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.74	6.33	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	20.9	831	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.47	<3.47	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.43	<0.43	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	41.7	132	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.74	<1.74	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.74	16.2	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.74	34.3	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.636	2.31	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.25	<0.25	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

PFCs Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
11-CESF-3-oxaundecane-1-sulfonate (11CI-PF3OUdS)		1.272	<1.272	ng/kg dry	
2,3,3,3-Tetrafluoro-2-propanoic acid (HFPO-DA)	13252-13-6	1.272	<1.272	ng/kg dry	
3:3 FTCA		1.272	<1.272	ng/kg dry	
4:2 FTS		1.272	<1.272	ng/kg dry	
5:3 FTCA		6.360	<6.360	ng/kg dry	
6:2 FTS	27619-97-2	1.272	<1.272	ng/kg dry	
7:3 FTCA		6.360	<6.360	ng/kg dry	
8:2 FTS	39108-34-4	1.272	<1.272	ng/kg dry	
9-CHDF-3-oxanonane-1-sulfonate (9CI-PF3ONS)		1.272	<1.272	ng/kg dry	
Dodecafluoro-3H-4,8-dioxanonaate (ADONA)		1.272	<1.272	ng/kg dry	
N-EtFOSA		6.360	<6.360	ng/kg dry	
N-EtFOSAA	2991-50-6	1.272	<1.272	ng/kg dry	
N-EtFOSE		12.72	<12.72	ng/kg dry	
N-MeFOSA		1.272	<1.272	ng/kg dry	
N-MeFOSAA	2355-31-9	1.272	<1.272	ng/kg dry	
N-MeFOSE		6.360	<6.360	ng/kg dry	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)		1.272	<1.272	ng/kg dry	
Perfluoro-1-decanesulfonate (PFDS)		1.272	<1.272	ng/kg dry	
Perfluoro-1-dodecanesulfonate (PFDoS)		1.272	<1.272	ng/kg dry	
Perfluoro-1-nonanesulfonate (PFNS)		1.272	<1.272	ng/kg dry	
Perfluoro-3,6,dioxaheptanoic acid (NFDHA)		6.360	<6.360	ng/kg dry	
Perfluoro-4-oxapentanoic acid (PFMPA)		6.360	<6.360	ng/kg dry	
Perfluoro-5-oxahexanoic acid (PFMBA)		6.360	<6.360	ng/kg dry	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.272	<1.272	ng/kg dry	
Perfluorobutanoic Acid (PFBA)	375-22-4	1.272	<1.272	ng/kg dry	
Perfluorodecanoic Acid (PFDA)	335-76-2	1.272	<1.272	ng/kg dry	
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.272	<1.272	ng/kg dry	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.272	<1.272	ng/kg dry	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.272	<1.272	ng/kg dry	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.272	<1.272	ng/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.272	<1.272	ng/kg dry	
Perfluorononanoic Acid (PFNA)	375-95-1	1.272	<1.272	ng/kg dry	
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.272	<1.272	ng/kg dry	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.272	<1.272	ng/kg dry	
Perfluorooctanoic Acid (PFOA)	335-67-1	1.272	<1.272	ng/kg dry	
Perfluoropentanesulfonic Acid (PFPeS)		1.272	<1.272	ng/kg dry	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1.272	<1.272	ng/kg dry	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	1.272	<1.272	ng/kg dry	
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	1.272	<1.272	ng/kg dry	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.272	<1.272	ng/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-(N-ethyl-d5-perfluoro-1-octanesulfonamido)		63	50-150	
2-(N-methyl-d3-perfluoro-1-octanesulfonamido)		56	50-150	
2,3,3,3-Tetrafluoro-2-(13C3) propanoic acid	13252-13-6	122	50-150	
N-ethyl-d5-perfluoro-1-octanesulfonamide		23	50-150	4.D
N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid		246	50-150	4.E
N-methyl-d3-perfluoro-1-octanesulfonamide		20	50-150	4.D
N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid		174	50-150	4.E
Perfluoro-1-(13C8)octanesulfonamide		123	50-150	
Perfluoro-n-(1,2,3,4,5,6,7-13C7)undecanoic acid	2058-94-8	130	50-150	
Perfluoro-n-(1,2,3,4,5,6-13C6)decanoic acid	335-76-2	127	50-150	
Perfluoro-n-(1,2,3,4,6-13C5) hexanoic acid	307-24-4	123	50-150	
Perfluoro-n-(1,2,3,4-13C4) heptanoic acid	375-85-9	130	50-150	
Perfluoro-n-(1,2-13C2)dodecanoic acid	307-55-1	121	50-150	
Perfluoro-n-(1,2-13C2)tetradecanoic acid		116	50-150	
Perfluoro-n-(13C4)butanoic acid	375-22-4	124	50-150	
Perfluoro-n-(13C5)pentanoic acid	2706-90-3	122	50-150	
Perfluoro-n-(13C8)octanoic acid	335-67-1	122	50-150	
Perfluoro-n-(13C9)nonanoic acid	375-95-1	124	50-150	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-01 % Solid:78.618
Matrix: Soil	ELAP: #11693

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Sodium perfluoro-1-(1,2,3-13C3)hexanesulfonate	355-46-4	129	50-150	
Sodium perfluoro-1-(1,2-13C2)decanesulfonate	39108-34-4	192	50-150	4.E
Sodium perfluoro-1-(1,2-13C2)octanesulfonate	27619-97-2	167	50-150	4.E
Sodium perfluoro-1-(13C8)octanesulfonate	1763-23-1	121	50-150	
Sodium perfluoro-1-(2,3,4-13C3)butanesulfonate	375-73-5	126	50-150	
Sodium perfluoro-1-(1,2-13C2)hexanesulfonate	757124-72-4	128	50-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Perfluoro-n-(1,2,3,4,5-13C5)nonanoic acid		115	0-200	
Perfluoro-n-(1,2,3,4-13C4)octanoic acid		110	0-200	
Perfluoro-n-(1,2-13C2)decanoic acid		115	0-200	
Perfluoro-n-(1,2-13C2)hexanoic acid		103	0-200	
Perfluoro-n-(2,3,4-13C3)butanoic acid	375-22-4	107	0-200	
Sodium perfluoro-1-(1,2,3,4-13C4)octanesulfonate	1763-23-1	104	0-200	
Sodium perfluoro-1-hexane(18O2)sulfonate		104	0-200	

Date Prepared: 09/08/2023

Preparation Method: EPA 1633

Date Analyzed: 09/14/2023

Analytical Method: EPA 1633

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	750	<750	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	750	<750	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	750	<750	ug/kg dry	
2,4-Dichlorophenol	120-83-2	563	<563	ug/kg dry	
2,4-Dimethylphenol	105-67-9	563	<563	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1130	<1130	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	750	<750	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	750	<750	ug/kg dry	
2-Chloronaphthalene	91-58-7	563	<563	ug/kg dry	
2-Chlorophenol	95-57-8	563	<563	ug/kg dry	
2-Methylnaphthalene	91-57-6	563	<563	ug/kg dry	
2-Methylphenol	95-48-7	1130	<1130	ug/kg dry	
2-Nitroaniline	88-74-4	1130	<1130	ug/kg dry	
2-Nitrophenol	88-75-5	1130	<1130	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1130	<1130	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	563	<563	ug/kg dry	
3-Nitroaniline	99-09-2	750	<750	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1130	<1130	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	750	<750	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	750	<750	ug/kg dry	
4-Chloroaniline	106-47-8	563	<563	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	750	<750	ug/kg dry	
4-Nitroaniline	100-01-6	1130	<1130	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1130	<1130	ug/kg dry	
Acenaphthene	83-32-9	750	<750	ug/kg dry	
Acenaphthylene	208-96-8	563	<563	ug/kg dry	
Aniline	62-53-3	750	<750	ug/kg dry	
Anthracene	120-12-7	750	<750	ug/kg dry	
Benzidine	92-87-5	2630	<2630	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	563	<563	ug/kg dry	



Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	563	<563	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1130	<1130	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	563	<563	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	563	<563	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	563	<563	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	563	<563	ug/kg dry	
Bis(2-chloroisopropyl) ether		750	<750	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1130	<1130	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1130	<1130	ug/kg dry	
Carbazole	86-74-8	563	<563	ug/kg dry	
Chrysene	218-01-9	750	<750	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	563	<563	ug/kg dry	
Dibenzofuran	132-64-9	750	<750	ug/kg dry	
Diethyl phthalate	84-66-2	750	<750	ug/kg dry	
Dimethyl phthalate	131-11-3	750	<750	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1130	<1130	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1130	<1130	ug/kg dry	
Fluoranthene	206-44-0	750	1030	ug/kg dry	
Fluorene	86-73-7	750	<750	ug/kg dry	
Hexachlorobenzene	118-74-1	750	<750	ug/kg dry	
Hexachlorobutadiene	87-68-3	750	<750	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1130	<1130	ug/kg dry	
Hexachloroethane	67-72-1	563	<563	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	563	<563	ug/kg dry	
Isophorone	78-59-1	1130	<1130	ug/kg dry	
Naphthalene	91-20-3	750	<750	ug/kg dry	
Nitrobenzene	98-95-3	750	<750	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	563	<563	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	563	<563	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	563	<563	ug/kg dry	
Pentachlorophenol	87-86-5	1130	<1130	ug/kg dry	
Phenanthrene	85-01-8	750	<750	ug/kg dry	
Phenol	108-95-2	563	<563	ug/kg dry	
Pyrene	129-00-0	750	835	ug/kg dry	
Pyridine	110-86-1	750	<750	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	57	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	26.7-119	
Terphenyl-d14	1718-51-0	64	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	563	<563	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	563	<563	ug/kg dry	4.N
Acetophenone	989-86-2	563	<563	ug/kg dry	
Atrazine	1912-24-9	563	<563	ug/kg dry	
Benzaldehyde	100-52-7	563	<563	ug/kg dry	
Caprolactam	105-60-2	563	<563	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	57	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	55	30.3-117	
Phenol-d6	13127-88-3	58	26.7-119	
Terphenyl-d14	1718-51-0	64	31.4-136	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
1,4-Dichlorobenzene-d4	3855-82-1		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.50	22.3	ug/kg dry	
4,4'-DDE	72-55-9	2.50	28.0	ug/kg dry	
4,4'-DDT	50-29-3	2.50	<2.50	ug/kg dry	
Aldrin	309-00-2	2.50	6.10	ug/kg dry	
alpha-BHC	319-84-6	6.25	23.1	ug/kg dry	
beta-BHC	319-85-7	6.25	15.2	ug/kg dry	
cis-Chlordane	5103-71-9	6.25	24.7	ug/kg dry	
delta-BHC	319-86-8	6.25	22.4	ug/kg dry	
Dieldrin	60-57-1	2.50	23.3	ug/kg dry	
Endosulfan I	959-98-8	6.25	18.8	ug/kg dry	
Endosulfan II	33213-65-9	6.25	<6.25	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.25	<6.25	ug/kg dry	
Endrin	72-20-8	6.25	18.8	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.25	<6.25	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.25	<6.25	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.25	21.2	ug/kg dry	
Heptachlor	76-44-8	6.25	19.3	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.25	16.8	ug/kg dry	
Methoxychlor	72-43-5	6.25	<6.25	ug/kg dry	
Mirex	2385-85-5	6.25	<6.25	ug/kg dry	
Toxaphene	8001-35-2	125	<125	ug/kg dry	
trans-Chlordane	5103-74-2	6.25	24.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	64	52.6-153	
Tetrachloro-m-xylene	877-09-8	71	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B



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110 Colin Drive • Holbrook, New York 11741

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	62.5	<62.5	ug/kg dry	
Aroclor-1221	11104-28-2	62.5	<62.5	ug/kg dry	
Aroclor-1232	11141-16-5	62.5	<62.5	ug/kg dry	
Aroclor-1242	53469-21-9	62.5	<62.5	ug/kg dry	
Aroclor-1248	12672-29-6	62.5	<62.5	ug/kg dry	
Aroclor-1254	11097-69-1	62.5	<62.5	ug/kg dry	
Aroclor-1260	11096-82-5	62.5	<62.5	ug/kg dry	
Aroclor-1262	37324-23-5	62.5	<62.5	ug/kg dry	
Aroclor-1268	11100-14-4	62.5	<62.5	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	78	47.4-148	
Tetrachloro-m-xylene	877-09-8	75	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.3	<31.3	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.3	<31.3	ug/kg dry	
2,4-D	94-75-7	31.3	<31.3	ug/kg dry	
Dicamba	1918-00-9	31.3	<31.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	66	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-02 % Solid:79.982
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	19.3	6320	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	3.01	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.61	29.1	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	38.7	4400	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	9.78	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	3.19	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	13.7	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	193	8200	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.67	20.6	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	19.3	1830	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	134	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	6.13	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	19.3	831	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.40	<0.40	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	38.7	135	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	15.7	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	33.1	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.625	2.35	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.25	<0.25	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	767	<767	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	767	<767	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	767	<767	ug/kg dry	
2,4-Dichlorophenol	120-83-2	575	<575	ug/kg dry	
2,4-Dimethylphenol	105-67-9	575	<575	ug/kg dry	
2,4-Dinitrophenol	51-28-5	1150	<1150	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	767	<767	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	767	<767	ug/kg dry	
2-Chloronaphthalene	91-58-7	575	<575	ug/kg dry	
2-Chlorophenol	95-57-8	575	<575	ug/kg dry	
2-Methylnaphthalene	91-57-6	575	<575	ug/kg dry	
2-Methylphenol	95-48-7	1150	<1150	ug/kg dry	
2-Nitroaniline	88-74-4	1150	<1150	ug/kg dry	
2-Nitrophenol	88-75-5	1150	<1150	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	1150	<1150	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	575	<575	ug/kg dry	
3-Nitroaniline	99-09-2	767	<767	ug/kg dry	4.N
4,6-Dinitro-2-methylphenol	534-52-1	1150	<1150	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	767	<767	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	767	<767	ug/kg dry	
4-Chloroaniline	106-47-8	575	<575	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	767	<767	ug/kg dry	
4-Nitroaniline	100-01-6	1150	<1150	ug/kg dry	4.N
4-Nitrophenol	100-02-7	1150	<1150	ug/kg dry	
Acenaphthene	83-32-9	767	<767	ug/kg dry	
Acenaphthylene	208-96-8	575	<575	ug/kg dry	
Aniline	62-53-3	767	<767	ug/kg dry	
Anthracene	120-12-7	767	<767	ug/kg dry	
Benzidine	92-87-5	2680	<2680	ug/kg dry	4.N
Benzo(a)anthracene	56-55-3	575	<575	ug/kg dry	



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	575	<575	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	1150	<1150	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	575	<575	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	575	<575	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	575	<575	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	575	<575	ug/kg dry	
Bis(2-chloroisopropyl) ether		767	<767	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	1150	<1150	ug/kg dry	
Butyl benzyl phthalate	85-68-7	1150	<1150	ug/kg dry	
Carbazole	86-74-8	575	<575	ug/kg dry	
Chrysene	218-01-9	767	<767	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	575	<575	ug/kg dry	
Dibenzofuran	132-64-9	767	<767	ug/kg dry	
Diethyl phthalate	84-66-2	767	<767	ug/kg dry	
Dimethyl phthalate	131-11-3	767	<767	ug/kg dry	
Di-n-butyl phthalate	84-74-2	1150	<1150	ug/kg dry	
Di-n-octyl phthalate	117-84-0	1150	<1150	ug/kg dry	
Fluoranthene	206-44-0	767	<767	ug/kg dry	
Fluorene	86-73-7	767	<767	ug/kg dry	
Hexachlorobenzene	118-74-1	767	<767	ug/kg dry	
Hexachlorobutadiene	87-68-3	767	<767	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	1150	<1150	ug/kg dry	
Hexachloroethane	67-72-1	575	<575	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	575	<575	ug/kg dry	
Isophorone	78-59-1	1150	<1150	ug/kg dry	
Naphthalene	91-20-3	767	<767	ug/kg dry	
Nitrobenzene	98-95-3	767	<767	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	575	<575	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	575	<575	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	575	<575	ug/kg dry	
Pentachlorophenol	87-86-5	1150	<1150	ug/kg dry	
Phenanthrene	85-01-8	767	<767	ug/kg dry	
Phenol	108-95-2	575	<575	ug/kg dry	
Pyrene	129-00-0	767	<767	ug/kg dry	
Pyridine	110-86-1	767	<767	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	65	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	56	28.1-113	
Nitrobenzene-d5	4165-60-0	53	30.3-117	
Phenol-d6	13127-88-3	57	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Chrysene-d12	1719-03-5		50-200	
Naphthalene-d8	1146-65-2		50-200	
Perylene-d12	1520-96-3		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	575	<575	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	575	<575	ug/kg dry	4.N
Acetophenone	989-86-2	575	<575	ug/kg dry	
Atrazine	1912-24-9	575	<575	ug/kg dry	
Benzaldehyde	100-52-7	575	<575	ug/kg dry	
Caprolactam	105-60-2	575	<575	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	65	28.3-111	
2-Fluorobiphenyl	321-60-8	59	30.1-118	
2-Fluorophenol	367-12-4	56	28.1-113	
Nitrobenzene-d5	4165-60-0	53	30.3-117	
Phenol-d6	13127-88-3	57	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		50-200	
Acenaphthene-d10	15067-26-2		50-200	
Naphthalene-d8	1146-65-2		50-200	
Phenanthrene-d10	1517-22-2		50-200	

Date Prepared: 08/16/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/17/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.56	23.6	ug/kg dry	
4,4'-DDE	72-55-9	2.56	28.7	ug/kg dry	
4,4'-DDT	50-29-3	2.56	<2.56	ug/kg dry	
Aldrin	309-00-2	2.56	8.66	ug/kg dry	
alpha-BHC	319-84-6	6.39	23.7	ug/kg dry	
beta-BHC	319-85-7	6.39	15.9	ug/kg dry	
cis-Chlordane	5103-71-9	6.39	25.7	ug/kg dry	
delta-BHC	319-86-8	6.39	22.7	ug/kg dry	
Dieldrin	60-57-1	2.56	26.3	ug/kg dry	
Endosulfan I	959-98-8	6.39	19.3	ug/kg dry	
Endosulfan II	33213-65-9	6.39	<6.39	ug/kg dry	
Endosulfan Sulfate	1031-07-8	6.39	<6.39	ug/kg dry	
Endrin	72-20-8	6.39	18.7	ug/kg dry	
Endrin Aldehyde	7421-93-4	6.39	<6.39	ug/kg dry	4.K
Endrin Ketone	53494-70-5	6.39	<6.39	ug/kg dry	
gamma-BHC / Lindane	58-89-9	6.39	21.7	ug/kg dry	
Heptachlor	76-44-8	6.39	19.3	ug/kg dry	
Heptachlor Epoxide	1024-57-3	6.39	17.2	ug/kg dry	
Methoxychlor	72-43-5	6.39	<6.39	ug/kg dry	
Mirex	2385-85-5	6.39	<6.39	ug/kg dry	
Toxaphene	8001-35-2	128	<128	ug/kg dry	
trans-Chlordane	5103-74-2	6.39	25.1	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	66	52.6-153	
Tetrachloro-m-xylene	877-09-8	71	56.1-151	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	63.9	<63.9	ug/kg dry	
Aroclor-1221	11104-28-2	63.9	<63.9	ug/kg dry	
Aroclor-1232	11141-16-5	63.9	<63.9	ug/kg dry	
Aroclor-1242	53469-21-9	63.9	<63.9	ug/kg dry	
Aroclor-1248	12672-29-6	63.9	<63.9	ug/kg dry	
Aroclor-1254	11097-69-1	63.9	<63.9	ug/kg dry	
Aroclor-1260	11096-82-5	63.9	<63.9	ug/kg dry	
Aroclor-1262	37324-23-5	63.9	<63.9	ug/kg dry	
Aroclor-1268	11100-14-4	63.9	<63.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	84	47.4-148	
Tetrachloro-m-xylene	877-09-8	85	51.4-150	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	31.9	<31.9	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	31.9	<31.9	ug/kg dry	
2,4-D	94-75-7	31.9	<31.9	ug/kg dry	
Dicamba	1918-00-9	31.9	<31.9	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	70	36.3-123	

Date Prepared: 08/18/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: Stockpile Comp C
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-03 % Solid:78.273
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	22.8	5960	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.90	2.94	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.90	27.1	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.76	<0.76	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	45.6	5810	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.90	8.86	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.90	2.87	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.90	13.5	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	228	9600	mg/kg dry	3.E
Lead	08/23/2023	EPA 6010 D	1.90	21.1	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	22.8	2470	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.90	130	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.90	5.71	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	22.8	777	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.80	<3.80	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.47	<0.47	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	45.6	148	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.90	<1.90	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.90	14.9	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.90	34.8	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/18/2023	EPA 7196 A	0.639	3.56	mg/kg dry	3.H

Date Prepared: 08/17/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	0.04	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/23/2023	EPA 9014	0.26	<0.26	mg/kg dry	

Date Prepared: 08/23/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.95	<6.95	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.95	<6.95	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.95	<6.95	ug/kg dry	4.G, 4.S, 4.T
1,1,2-Trichloroethane	79-00-5	6.95	<6.95	ug/kg dry	4.G, 4.T
1,1-Dichloroethane	75-34-3	6.95	<6.95	ug/kg dry	4.N, 4.T
1,1-Dichloroethene	75-35-4	6.95	<6.95	ug/kg dry	4.G, 4.M, 4.S, 4.T
1,1-Dichloropropene	563-58-6	6.95	<6.95	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2,3-Trichloropropane	96-18-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,2,4-Trichlorobenzene	120-82-1	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2,4-Trimethylbenzene	95-63-6	6.95	<6.95	ug/kg dry	4.T
1,2-Dibromo-3-chloropropane	96-12-8	6.95	<6.95	ug/kg dry	4.G, 4.T
1,2-Dibromoethane	106-93-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
1,2-Dichlorobenzene	95-50-1	6.95	<6.95	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.95	<6.95	ug/kg dry	4.G, 4.J, 4.N, 4.T
1,2-Dichloropropane	78-87-5	6.95	<6.95	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.95	<6.95	ug/kg dry	4.T
1,3-Dichlorobenzene	541-73-1	6.95	<6.95	ug/kg dry	4.T
1,4-Dichlorobenzene	106-46-7	6.95	<6.95	ug/kg dry	
1,4-Dioxane	123-91-1	34.7	<34.7	ug/kg dry	4.G, 4.T
2,2-Dichloropropane	594-20-7	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
2-Chloroethyl Vinyl Ether	110-75-8	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.R, 4.T
2-Chlorotoluene	95-49-8	6.95	<6.95	ug/kg dry	4.T
4-Isopropyltoluene	99-87-6	6.95	<6.95	ug/kg dry	4.G, 4.T
4-Methyl-2-Pentanone	108-10-1	13.9	<13.9	ug/kg dry	4.G, 4.T
Acetone	67-64-1	27.8	<27.8	ug/kg dry	4.J, 4.S, 4.T
Acrolein	107-02-8	13.9	<13.9	ug/kg dry	4.G, 4.M, 4.T
Acrylonitrile	107-13-1	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Benzene	71-43-2	6.95	<6.95	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.95	<6.95	ug/kg dry	
Bromochloromethane	74-97-5	6.95	<6.95	ug/kg dry	4.G, 4.S, 4.T
Bromodichloromethane	75-27-4	6.95	<6.95	ug/kg dry	
Bromoform	75-25-2	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
Bromomethane	74-83-9	6.95	<6.95	ug/kg dry	4.K, 4.T
Carbon disulfide	75-15-0	6.95	<6.95	ug/kg dry	4.S, 4.T
Carbon Tetrachloride	56-23-5	6.95	<6.95	ug/kg dry	.G, 4.N, 4.S, 4.
Chlorobenzene	108-90-7	6.95	<6.95	ug/kg dry	4.T
Chloroethane	75-00-3	6.95	<6.95	ug/kg dry	, 4.K, 4.M, 4.R,
Chloroform	67-66-3	6.95	<6.95	ug/kg dry	4.J, 4.T
Chloromethane	74-87-3	6.95	<6.95	ug/kg dry	.G, 4.K, 4.M, 4.
cis-1,2-Dichloroethene	156-59-2	6.95	<6.95	ug/kg dry	4.G, 4.T
cis-1,3-Dichloropropene	10061-01-5	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Dibromochloromethane	124-48-1	6.95	<6.95	ug/kg dry	4.G, 4.T
Dibromomethane	74-95-3	6.95	<6.95	ug/kg dry	4.G, 4.T
Dichlorodifluoromethane	75-71-8	6.95	<6.95	ug/kg dry	, 4.K, 4.M, 4.R,
Ethylbenzene	100-41-4	6.95	<6.95	ug/kg dry	4.G, 4.T
Hexachlorobutadiene	87-68-3	6.95	<6.95	ug/kg dry	4.T
Isopropylbenzene (Cumene)	98-82-8	6.95	<6.95	ug/kg dry	4.T
m,p-Xylenes	108-38-3/106-42-3	13.9	<13.9	ug/kg dry	4.T
Methyl Acetate	79-20-9	6.95	<6.95	ug/kg dry	i, 4.J, 4.N, 4.S,
Methyl Butyl Ketone (2-Hexanone)	591-78-6	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Methyl Ethyl Ketone (2-Butanone)	78-93-3	13.9	<13.9	ug/kg dry	4.G, 4.N, 4.T
Methylene Chloride	75-09-2	6.95	9.55	ug/kg dry	4.G, 4.J, 4.T
Methyl-tert-Butyl Ether	1634-04-4	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
n-Butylbenzene	104-51-8	6.95	<6.95	ug/kg dry	4.S, 4.T
n-Propylbenzene	103-65-1	6.95	<6.95	ug/kg dry	4.T
o-Xylene	95-47-6	6.95	<6.95	ug/kg dry	4.T
sec-Butylbenzene	135-98-8	6.95	<6.95	ug/kg dry	4.T

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:05	Sample ID: SPG 1
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-04 % Solid:74.969
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.95	<6.95	ug/kg dry	
tert-Butyl alcohol	75-65-0	13.9	<13.9	ug/kg dry	4.G, 4.J, 4.T
tert-Butylbenzene	98-06-6	6.95	<6.95	ug/kg dry	4.T
Tetrachloroethene	127-18-4	6.95	<6.95	ug/kg dry	4.S, 4.T
Toluene	108-88-3	6.95	<6.95	ug/kg dry	4.S, 4.T
trans-1,2-Dichloroethene	156-60-5	6.95	<6.95	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.95	<6.95	ug/kg dry	4.G, 4.N, 4.T
Trichloroethene	79-01-6	6.95	<6.95	ug/kg dry	4.G, 4.T
Trichlorofluoromethane	75-69-4	6.95	<6.95	ug/kg dry	4.K, 4.M, 4.R,
Vinyl chloride	75-01-4	6.95	<6.95	ug/kg dry	4.G, 4.K, 4.M, 4.

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	133	72.1-142	
4-Bromofluorobenzene	460-00-4	134	76.1-131	4.E
Dibromofluoromethane	1868-53-7	124	77.6-135	
Toluene-d8	2037-26-5	127	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.30	<6.30	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.30	<6.30	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.30	<6.30	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.30	<6.30	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.30	<6.30	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.30	<6.30	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.30	<6.30	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.30	<6.30	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.30	<6.30	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.30	<6.30	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.30	<6.30	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.30	<6.30	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.30	<6.30	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.30	<6.30	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.30	<6.30	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.30	<6.30	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.30	<6.30	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.30	<6.30	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.30	<6.30	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.30	<6.30	ug/kg dry	
1,4-Dioxane	123-91-1	31.5	<31.5	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.30	<6.30	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.30	<6.30	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.30	<6.30	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.30	<6.30	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.6	<12.6	ug/kg dry	
Acetone	67-64-1	25.2	<25.2	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.6	<12.6	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.6	<12.6	ug/kg dry	4.N
Benzene	71-43-2	6.30	<6.30	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.30	<6.30	ug/kg dry	
Bromochloromethane	74-97-5	6.30	<6.30	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.30	<6.30	ug/kg dry	
Bromoform	75-25-2	6.30	<6.30	ug/kg dry	4.N
Bromomethane	74-83-9	6.30	<6.30	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.30	<6.30	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.30	<6.30	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.30	<6.30	ug/kg dry	
Chloroethane	75-00-3	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Chloroform	67-66-3	6.30	<6.30	ug/kg dry	4.J
Chloromethane	74-87-3	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
cis-1,2-Dichloroethene	156-59-2	6.30	<6.30	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.6	<12.6	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.30	<6.30	ug/kg dry	
Dibromomethane	74-95-3	6.30	<6.30	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Ethylbenzene	100-41-4	6.30	<6.30	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.30	<6.30	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.30	<6.30	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.6	<12.6	ug/kg dry	
Methyl Acetate	79-20-9	6.30	<6.30	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.6	<12.6	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.6	<12.6	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.30	7.65	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.30	<6.30	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.30	<6.30	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.30	<6.30	ug/kg dry	
o-Xylene	95-47-6	6.30	<6.30	ug/kg dry	
sec-Butylbenzene	135-98-8	6.30	<6.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:10	Sample ID: SPG 2
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-05 % Solid:80.514
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.30	<6.30	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.6	<12.6	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.30	<6.30	ug/kg dry	
Tetrachloroethene	127-18-4	6.30	<6.30	ug/kg dry	4.S
Toluene	108-88-3	6.30	<6.30	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.30	<6.30	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.30	<6.30	ug/kg dry	4.N
Trichloroethene	79-01-6	6.30	<6.30	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.30	<6.30	ug/kg dry	4.K, 4.R, 4.M
Vinyl chloride	75-01-4	6.30	<6.30	ug/kg dry	4.R, 4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	129	72.1-142	
4-Bromofluorobenzene	460-00-4	131	76.1-131	
Dibromofluoromethane	1868-53-7	121	77.6-135	
Toluene-d8	2037-26-5	129	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.38	<6.38	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.38	<6.38	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.38	<6.38	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.38	<6.38	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.38	<6.38	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.38	<6.38	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.38	<6.38	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.38	<6.38	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.38	<6.38	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.38	<6.38	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.38	<6.38	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.38	<6.38	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.38	<6.38	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.38	<6.38	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.38	<6.38	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.38	<6.38	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.38	<6.38	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.38	<6.38	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.38	<6.38	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.38	<6.38	ug/kg dry	
1,4-Dioxane	123-91-1	31.9	34.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.38	<6.38	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.38	<6.38	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.38	<6.38	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.38	<6.38	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.8	<12.8	ug/kg dry	
Acetone	67-64-1	25.5	<25.5	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.8	<12.8	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.8	<12.8	ug/kg dry	4.N
Benzene	71-43-2	6.38	<6.38	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.38	<6.38	ug/kg dry	
Bromochloromethane	74-97-5	6.38	<6.38	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.38	<6.38	ug/kg dry	
Bromoform	75-25-2	6.38	<6.38	ug/kg dry	4.N
Bromomethane	74-83-9	6.38	<6.38	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.38	<6.38	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.38	<6.38	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.38	<6.38	ug/kg dry	
Chloroethane	75-00-3	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.38	<6.38	ug/kg dry	4.J
Chloromethane	74-87-3	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.38	<6.38	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.8	<12.8	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.38	<6.38	ug/kg dry	
Dibromomethane	74-95-3	6.38	<6.38	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.38	<6.38	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.38	<6.38	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.38	<6.38	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.8	<12.8	ug/kg dry	
Methyl Acetate	79-20-9	6.38	<6.38	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.8	<12.8	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.8	<12.8	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.38	7.44	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.38	<6.38	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.38	<6.38	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.38	<6.38	ug/kg dry	
o-Xylene	95-47-6	6.38	<6.38	ug/kg dry	
sec-Butylbenzene	135-98-8	6.38	<6.38	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:15	Sample ID: SPG 3
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-06 % Solid:78.976
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.38	<6.38	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.8	<12.8	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.38	<6.38	ug/kg dry	
Tetrachloroethene	127-18-4	6.38	<6.38	ug/kg dry	4.S
Toluene	108-88-3	6.38	<6.38	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.38	<6.38	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.38	<6.38	ug/kg dry	4.N
Trichloroethene	79-01-6	6.38	<6.38	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.38	<6.38	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	134	72.1-142	
4-Bromofluorobenzene	460-00-4	137	76.1-131	4.E
Dibromofluoromethane	1868-53-7	125	77.6-135	
Toluene-d8	2037-26-5	127	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.45	<6.45	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.45	<6.45	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.45	<6.45	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.45	<6.45	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.45	<6.45	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.45	<6.45	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.45	<6.45	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.45	<6.45	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.45	<6.45	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.45	<6.45	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.45	<6.45	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.45	<6.45	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.45	<6.45	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.45	<6.45	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.45	<6.45	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.45	<6.45	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.45	<6.45	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.45	<6.45	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.45	<6.45	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.45	<6.45	ug/kg dry	
1,4-Dioxane	123-91-1	32.3	34.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.45	<6.45	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.45	<6.45	ug/kg dry	4.R, 4.N
2-Chlorotoluene	95-49-8	6.45	<6.45	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.45	<6.45	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.9	<12.9	ug/kg dry	
Acetone	67-64-1	25.8	<25.8	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.9	<12.9	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.9	<12.9	ug/kg dry	4.N
Benzene	71-43-2	6.45	<6.45	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.45	<6.45	ug/kg dry	
Bromochloromethane	74-97-5	6.45	<6.45	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.45	<6.45	ug/kg dry	
Bromoform	75-25-2	6.45	<6.45	ug/kg dry	4.N
Bromomethane	74-83-9	6.45	<6.45	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.45	<6.45	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.45	<6.45	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.45	<6.45	ug/kg dry	
Chloroethane	75-00-3	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.45	<6.45	ug/kg dry	4.J
Chloromethane	74-87-3	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.45	<6.45	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.9	<12.9	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.45	<6.45	ug/kg dry	
Dibromomethane	74-95-3	6.45	<6.45	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.45	<6.45	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.45	<6.45	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.45	<6.45	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.9	<12.9	ug/kg dry	
Methyl Acetate	79-20-9	6.45	<6.45	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.9	<12.9	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.9	<12.9	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.45	<6.45	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.45	<6.45	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.45	<6.45	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.45	<6.45	ug/kg dry	
o-Xylene	95-47-6	6.45	<6.45	ug/kg dry	
sec-Butylbenzene	135-98-8	6.45	<6.45	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:20	Sample ID: SPG 4
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-07 % Solid:77.337
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.45	<6.45	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.9	<12.9	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.45	<6.45	ug/kg dry	
Tetrachloroethene	127-18-4	6.45	<6.45	ug/kg dry	4.S
Toluene	108-88-3	6.45	<6.45	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.45	<6.45	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.45	<6.45	ug/kg dry	4.N
Trichloroethene	79-01-6	6.45	<6.45	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.45	<6.45	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	136	72.1-142	
4-Bromofluorobenzene	460-00-4	136	76.1-131	4.E
Dibromofluoromethane	1868-53-7	126	77.6-135	
Toluene-d8	2037-26-5	124	77.8-124	

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.23	<6.23	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.23	<6.23	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.23	<6.23	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.23	<6.23	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.23	<6.23	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.23	<6.23	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.23	<6.23	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.23	<6.23	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.23	<6.23	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.23	<6.23	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.23	<6.23	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.23	<6.23	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.23	<6.23	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.23	<6.23	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.23	<6.23	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.23	<6.23	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.23	<6.23	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.23	<6.23	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.23	<6.23	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.23	<6.23	ug/kg dry	
1,4-Dioxane	123-91-1	31.1	<31.1	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.23	<6.23	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.23	<6.23	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.23	<6.23	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.23	<6.23	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.5	<12.5	ug/kg dry	
Acetone	67-64-1	24.9	<24.9	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.5	<12.5	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.5	<12.5	ug/kg dry	4.N
Benzene	71-43-2	6.23	<6.23	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.23	<6.23	ug/kg dry	
Bromochloromethane	74-97-5	6.23	<6.23	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.23	<6.23	ug/kg dry	
Bromoform	75-25-2	6.23	<6.23	ug/kg dry	4.N
Bromomethane	74-83-9	6.23	<6.23	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.23	<6.23	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.23	<6.23	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.23	<6.23	ug/kg dry	
Chloroethane	75-00-3	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.23	<6.23	ug/kg dry	4.J
Chloromethane	74-87-3	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.23	<6.23	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.5	<12.5	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.23	<6.23	ug/kg dry	
Dibromomethane	74-95-3	6.23	<6.23	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.23	<6.23	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.23	<6.23	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.23	<6.23	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.5	<12.5	ug/kg dry	
Methyl Acetate	79-20-9	6.23	<6.23	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.5	<12.5	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.5	<12.5	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.23	<6.23	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.23	<6.23	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.23	<6.23	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.23	<6.23	ug/kg dry	
o-Xylene	95-47-6	6.23	<6.23	ug/kg dry	
sec-Butylbenzene	135-98-8	6.23	<6.23	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:25	Sample ID: SPG 5
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-08 % Solid:81.920
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.23	<6.23	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.5	<12.5	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.23	<6.23	ug/kg dry	
Tetrachloroethene	127-18-4	6.23	<6.23	ug/kg dry	4.S
Toluene	108-88-3	6.23	<6.23	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.23	<6.23	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.23	<6.23	ug/kg dry	4.N
Trichloroethene	79-01-6	6.23	<6.23	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.23	<6.23	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	95	72.1-142	
4-Bromofluorobenzene	460-00-4	142	76.1-131	4.E
Dibromofluoromethane	1868-53-7	83	77.6-135	
Toluene-d8	2037-26-5	136	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.35	<6.35	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.35	<6.35	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.35	<6.35	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.35	<6.35	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.35	<6.35	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.35	<6.35	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.35	<6.35	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.35	<6.35	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.35	<6.35	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.35	<6.35	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.35	<6.35	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.35	<6.35	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.35	<6.35	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.35	<6.35	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.35	<6.35	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.35	<6.35	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.35	<6.35	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.35	<6.35	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.35	<6.35	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.35	<6.35	ug/kg dry	
1,4-Dioxane	123-91-1	31.8	<31.8	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.35	<6.35	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.35	<6.35	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.35	<6.35	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.35	<6.35	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.7	<12.7	ug/kg dry	
Acetone	67-64-1	25.4	<25.4	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.7	<12.7	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.7	<12.7	ug/kg dry	4.N
Benzene	71-43-2	6.35	<6.35	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.35	<6.35	ug/kg dry	
Bromochloromethane	74-97-5	6.35	<6.35	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.35	<6.35	ug/kg dry	
Bromoform	75-25-2	6.35	<6.35	ug/kg dry	4.N
Bromomethane	74-83-9	6.35	6.75	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.35	<6.35	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.35	<6.35	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.35	<6.35	ug/kg dry	
Chloroethane	75-00-3	6.35	<6.35	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.35	<6.35	ug/kg dry	4.J
Chloromethane	74-87-3	6.35	<6.35	ug/kg dry	4.K, 4.R, 4.M
cis-1,2-Dichloroethene	156-59-2	6.35	<6.35	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.7	<12.7	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.35	<6.35	ug/kg dry	
Dibromomethane	74-95-3	6.35	<6.35	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.35	<6.35	ug/kg dry	4.K, 4.R, 4.M
Ethylbenzene	100-41-4	6.35	<6.35	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.35	<6.35	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.35	<6.35	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.7	<12.7	ug/kg dry	
Methyl Acetate	79-20-9	6.35	<6.35	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.7	<12.7	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.7	<12.7	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.35	<6.35	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.35	<6.35	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.35	<6.35	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.35	<6.35	ug/kg dry	
o-Xylene	95-47-6	6.35	<6.35	ug/kg dry	
sec-Butylbenzene	135-98-8	6.35	<6.35	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:30	Sample ID: SPG 6
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-09 % Solid:81.466
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.35	<6.35	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.7	<12.7	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.35	<6.35	ug/kg dry	
Tetrachloroethene	127-18-4	6.35	<6.35	ug/kg dry	4.S
Toluene	108-88-3	6.35	<6.35	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.35	<6.35	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.35	<6.35	ug/kg dry	4.N
Trichloroethene	79-01-6	6.35	<6.35	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.35	<6.35	ug/kg dry	4.R, 4.K, 4.M
Vinyl chloride	75-01-4	6.35	<6.35	ug/kg dry	4.R, 4.K, 4.M

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	137	72.1-142	
4-Bromofluorobenzene	460-00-4	148	76.1-131	4.E
Dibromofluoromethane	1868-53-7	119	77.6-135	
Toluene-d8	2037-26-5	129	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.00	<6.00	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.00	<6.00	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.00	<6.00	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.00	<6.00	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.00	<6.00	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.00	<6.00	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.00	<6.00	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.00	<6.00	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.00	<6.00	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.00	<6.00	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.00	<6.00	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.00	<6.00	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.00	<6.00	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.00	<6.00	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.00	<6.00	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.00	<6.00	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.00	<6.00	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.00	<6.00	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.00	<6.00	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.00	<6.00	ug/kg dry	
1,4-Dioxane	123-91-1	30.0	34.9	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.00	<6.00	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.00	<6.00	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.00	<6.00	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.00	<6.00	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.0	<12.0	ug/kg dry	
Acetone	67-64-1	24.0	<24.0	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.0	<12.0	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.0	<12.0	ug/kg dry	4.N
Benzene	71-43-2	6.00	<6.00	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.00	<6.00	ug/kg dry	
Bromochloromethane	74-97-5	6.00	<6.00	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.00	<6.00	ug/kg dry	
Bromoform	75-25-2	6.00	<6.00	ug/kg dry	4.N
Bromomethane	74-83-9	6.00	<6.00	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.00	<6.00	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.00	<6.00	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.00	<6.00	ug/kg dry	
Chloroethane	75-00-3	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Chloroform	67-66-3	6.00	<6.00	ug/kg dry	4.J
Chloromethane	74-87-3	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	6.00	<6.00	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.0	<12.0	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.00	<6.00	ug/kg dry	
Dibromomethane	74-95-3	6.00	<6.00	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Ethylbenzene	100-41-4	6.00	<6.00	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.00	<6.00	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.00	<6.00	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.0	<12.0	ug/kg dry	
Methyl Acetate	79-20-9	6.00	<6.00	ug/kg dry	4.N, 4.S, 4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.0	<12.0	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.0	<12.0	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.00	<6.00	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.00	<6.00	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.00	<6.00	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.00	<6.00	ug/kg dry	
o-Xylene	95-47-6	6.00	<6.00	ug/kg dry	
sec-Butylbenzene	135-98-8	6.00	<6.00	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:35	Sample ID: SPG 7
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-10 % Solid:81.398
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.00	<6.00	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.0	<12.0	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.00	<6.00	ug/kg dry	
Tetrachloroethene	127-18-4	6.00	<6.00	ug/kg dry	4.S
Toluene	108-88-3	6.00	<6.00	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.00	<6.00	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.00	<6.00	ug/kg dry	4.N
Trichloroethene	79-01-6	6.00	<6.00	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.00	<6.00	ug/kg dry	4.M, 4.K, 4.R
Vinyl chloride	75-01-4	6.00	<6.00	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	135	72.1-142	
4-Bromofluorobenzene	460-00-4	132	76.1-131	4.E
Dibromofluoromethane	1868-53-7	121	77.6-135	
Toluene-d8	2037-26-5	128	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.17	<6.17	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.17	<6.17	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.17	<6.17	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.17	<6.17	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.17	<6.17	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.17	<6.17	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.17	<6.17	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.17	<6.17	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.17	<6.17	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.17	<6.17	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.17	<6.17	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.17	<6.17	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.17	<6.17	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.17	<6.17	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.17	<6.17	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.17	<6.17	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.17	<6.17	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.17	<6.17	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.17	<6.17	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.17	<6.17	ug/kg dry	
1,4-Dioxane	123-91-1	30.9	<30.9	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.17	<6.17	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.17	<6.17	ug/kg dry	4.R, 4.N
2-Chlorotoluene	95-49-8	6.17	<6.17	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.17	<6.17	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.3	<12.3	ug/kg dry	
Acetone	67-64-1	24.7	<24.7	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.3	<12.3	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.3	<12.3	ug/kg dry	4.N
Benzene	71-43-2	6.17	<6.17	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.17	<6.17	ug/kg dry	
Bromochloromethane	74-97-5	6.17	<6.17	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.17	<6.17	ug/kg dry	
Bromoform	75-25-2	6.17	<6.17	ug/kg dry	4.N
Bromomethane	74-83-9	6.17	<6.17	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.17	<6.17	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.17	<6.17	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.17	<6.17	ug/kg dry	
Chloroethane	75-00-3	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.17	<6.17	ug/kg dry	4.J
Chloromethane	74-87-3	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
cis-1,2-Dichloroethene	156-59-2	6.17	<6.17	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.3	<12.3	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.17	<6.17	ug/kg dry	
Dibromomethane	74-95-3	6.17	<6.17	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	6.17	<6.17	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.17	<6.17	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.17	<6.17	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.3	<12.3	ug/kg dry	
Methyl Acetate	79-20-9	6.17	<6.17	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.3	<12.3	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.3	<12.3	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.17	6.37	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.17	<6.17	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.17	<6.17	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.17	<6.17	ug/kg dry	
o-Xylene	95-47-6	6.17	<6.17	ug/kg dry	
sec-Butylbenzene	135-98-8	6.17	<6.17	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:45	Sample ID: SPG 8
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-11 % Solid:79.740
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.17	<6.17	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.3	<12.3	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.17	<6.17	ug/kg dry	
Tetrachloroethene	127-18-4	6.17	<6.17	ug/kg dry	4.S
Toluene	108-88-3	6.17	<6.17	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.17	<6.17	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.17	<6.17	ug/kg dry	4.N
Trichloroethene	79-01-6	6.17	<6.17	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.17	<6.17	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	134	72.1-142	
4-Bromofluorobenzene	460-00-4	133	76.1-131	4.E
Dibromofluoromethane	1868-53-7	127	77.6-135	
Toluene-d8	2037-26-5	124	77.8-124	

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	6.31	<6.31	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.31	<6.31	ug/kg dry	4.N
1,1,2,2-Tetrachloroethane	79-34-5	6.31	<6.31	ug/kg dry	4.N
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	6.31	<6.31	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	6.31	<6.31	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.31	<6.31	ug/kg dry	4.N
1,1-Dichloroethene	75-35-4	6.31	<6.31	ug/kg dry	4.M, 4.S
1,1-Dichloropropene	563-58-6	6.31	<6.31	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	6.31	<6.31	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.31	<6.31	ug/kg dry	4.N
1,2,4-Trichlorobenzene	120-82-1	6.31	<6.31	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.31	<6.31	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.31	<6.31	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.31	<6.31	ug/kg dry	4.N
1,2-Dichlorobenzene	95-50-1	6.31	<6.31	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.31	<6.31	ug/kg dry	4.J, 4.N
1,2-Dichloropropane	78-87-5	6.31	<6.31	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.31	<6.31	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.31	<6.31	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.31	<6.31	ug/kg dry	
1,4-Dioxane	123-91-1	31.6	35.4	ug/kg dry	
2,2-Dichloropropane	594-20-7	6.31	<6.31	ug/kg dry	4.N
2-Chloroethyl Vinyl Ether	110-75-8	6.31	<6.31	ug/kg dry	4.N, 4.R
2-Chlorotoluene	95-49-8	6.31	<6.31	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.31	<6.31	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	12.6	<12.6	ug/kg dry	
Acetone	67-64-1	25.2	<25.2	ug/kg dry	4.J, 4.S
Acrolein	107-02-8	12.6	<12.6	ug/kg dry	4.M
Acrylonitrile	107-13-1	12.6	<12.6	ug/kg dry	4.N
Benzene	71-43-2	6.31	<6.31	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	6.31	<6.31	ug/kg dry	
Bromochloromethane	74-97-5	6.31	<6.31	ug/kg dry	4.S
Bromodichloromethane	75-27-4	6.31	<6.31	ug/kg dry	
Bromoform	75-25-2	6.31	<6.31	ug/kg dry	4.N
Bromomethane	74-83-9	6.31	<6.31	ug/kg dry	4.K
Carbon disulfide	75-15-0	6.31	<6.31	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	6.31	<6.31	ug/kg dry	4.N, 4.S
Chlorobenzene	108-90-7	6.31	<6.31	ug/kg dry	
Chloroethane	75-00-3	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	6.31	<6.31	ug/kg dry	4.J
Chloromethane	74-87-3	6.31	<6.31	ug/kg dry	4.M, 4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	6.31	<6.31	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	12.6	<12.6	ug/kg dry	4.N
Dibromochloromethane	124-48-1	6.31	<6.31	ug/kg dry	
Dibromomethane	74-95-3	6.31	<6.31	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.31	<6.31	ug/kg dry	4.M, 4.K, 4.R
Ethylbenzene	100-41-4	6.31	<6.31	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.31	<6.31	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.31	<6.31	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.6	<12.6	ug/kg dry	
Methyl Acetate	79-20-9	6.31	<6.31	ug/kg dry	4.J, 4.N, 4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	12.6	<12.6	ug/kg dry	4.N
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.6	<12.6	ug/kg dry	4.N
Methylene Chloride	75-09-2	6.31	<6.31	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	6.31	<6.31	ug/kg dry	4.N
n-Butylbenzene	104-51-8	6.31	<6.31	ug/kg dry	4.S
n-Propylbenzene	103-65-1	6.31	<6.31	ug/kg dry	
o-Xylene	95-47-6	6.31	<6.31	ug/kg dry	
sec-Butylbenzene	135-98-8	6.31	<6.31	ug/kg dry	



Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/16/2023 10:50	Sample ID: SPG 9
Date (Time) Received: 08/16/2023 11:59	Laboratory ID: 3081634-12 % Solid:79.396
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	6.31	<6.31	ug/kg dry	
tert-Butyl alcohol	75-65-0	12.6	<12.6	ug/kg dry	4.J
tert-Butylbenzene	98-06-6	6.31	<6.31	ug/kg dry	
Tetrachloroethene	127-18-4	6.31	<6.31	ug/kg dry	4.S
Toluene	108-88-3	6.31	<6.31	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	6.31	<6.31	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	6.31	<6.31	ug/kg dry	4.N
Trichloroethene	79-01-6	6.31	<6.31	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	6.31	<6.31	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	138	72.1-142	
4-Bromofluorobenzene	460-00-4	133	76.1-131	4.E
Dibromofluoromethane	1868-53-7	126	77.6-135	
Toluene-d8	2037-26-5	126	77.8-124	4.E

Date Prepared: 08/17/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/17/2023

Analytical Method: EPA 8260 D

Data Qualifiers Key Reference:

3.E	Compound reported at a dilution factor.
3.H	Sample has turbidity, but no color change.
4.D	Surrogate recovery has failed low.
4.E	Surrogate recovery has failed high.
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

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS Tony Casale Inc				CONTACT: Mike Festo		SAMPLER (SIGNATURE) 		SAMPLER (S) SEALED YES / NO	
PROJECT LOCATION: 1 Java Brooklyn				PHONE: (914)-375-2177		SAMPLER NAME (PRINT) Evan Laizaro		CORRECT CONTAINER(S) YES / NO	
REPORTS EMAIL: mikef@tonycasaleinc.com				INVOICE EMAIL:		SAMPLES RECEIVED AT 2.3 °C		3081634	
LABORATORY ID # For Laboratory Use Only	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED
1.	S	C				8/16/23	10:00	Stockpile Comp A	EPA 8151A 4 EPA 8270E SW EPA 8060A PCBs EPA 8081B Pest EPA 6010D EPA 9012A EPA 7196A EPA 7471B Metals hex/tri chro cyanide EPA 8260D VOCs
2.	S	C				8/16/23	10:05	Stockpile Comp B	✓
3.	S	C				8/16/23	10:10	Stockpile Comp C	✓
4.	S	G				8/16/23	10:05	Stockpile SPG 1	✓
5.	S	G				8/16/23	10:10	SPG 2	✓
6.	S	G				8/16/23	10:15	SPG 3	✓
7.	S	G				8/16/23	10:20	SPG 4	✓
8.	S	G				8/16/23	10:25	SPG 5	✓
9.	S	G				8/16/23	10:30	SPG 6	✓
10.	S	G				8/16/23	10:35	SPG 7	✓
11.	S	G				8/16/23	10:45	SPG 8	✓
12.	S	G				8/16/23	10:50	SPG 9	✓
13.									
14.									

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WPIE;
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) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED:
☐ NORMAL ☐ STAT

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE	PRINTED NAME
	TIME			TIME	
RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE	PRINTED NAME
	TIME			8/16/23	Evan Laizaro

**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.****"TOMORROWS ANALYTICAL SOLUTIONS TODAY"**Laboratory ReportNYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284
AIHA# 164456
NJDEP# NY012
PADEP# 68-2943

LIAL# 3081854

September 19, 2023

Tony Casale Inc
Mike Festo
1185 Saw Mill River Rd
Yonkers, NY 10710**Re: 1 Java Brooklyn**

Dear Mike Festo,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on August 18, 2023. Long Island Analytical laboratories analyzed the samples on September 14, 2023 for the following:

SAMPLE ID	ANALYSIS
Stockpile Comp A	EPA 1633, EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
Stockpile Comp B	EPA 8151 A, TAL Target Analyte List, TCL Target Compound List
SPG 1 (a2)	EPA 8260D
SPG 2 (a5)	EPA 8260D
SPG 3 (a4)	EPA 8260D
SPG 4 (b5)	EPA 8260D
SPG 5 (b3)	EPA 8260D

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: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.11	<5.11	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.11	<5.11	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.11	<5.11	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.11	<5.11	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.11	<5.11	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.11	<5.11	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.11	<5.11	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.11	<5.11	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.11	<5.11	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.11	<5.11	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.11	<5.11	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.11	<5.11	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.11	<5.11	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.11	<5.11	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.11	<5.11	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.11	<5.11	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.11	<5.11	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.11	<5.11	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.11	<5.11	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.11	<5.11	ug/kg dry	
1,4-Dioxane	123-91-1	25.6	<25.6	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.11	<5.11	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.11	<5.11	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.11	<5.11	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.11	<5.11	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.2	<10.2	ug/kg dry	
Acetone	67-64-1	20.5	<20.5	ug/kg dry	4.S
Acrolein	107-02-8	10.2	<10.2	ug/kg dry	
Acrylonitrile	107-13-1	10.2	<10.2	ug/kg dry	
Benzene	71-43-2	5.11	<5.11	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.11	<5.11	ug/kg dry	
Bromochloromethane	74-97-5	5.11	<5.11	ug/kg dry	
Bromodichloromethane	75-27-4	5.11	<5.11	ug/kg dry	
Bromoform	75-25-2	5.11	<5.11	ug/kg dry	
Bromomethane	74-83-9	5.11	<5.11	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.11	<5.11	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.11	<5.11	ug/kg dry	
Chlorobenzene	108-90-7	5.11	<5.11	ug/kg dry	
Chloroethane	75-00-3	5.11	<5.11	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.11	<5.11	ug/kg dry	
Chloromethane	74-87-3	5.11	<5.11	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.11	<5.11	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.2	<10.2	ug/kg dry	
Dibromochloromethane	124-48-1	5.11	<5.11	ug/kg dry	
Dibromomethane	74-95-3	5.11	<5.11	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.11	<5.11	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.11	<5.11	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.11	<5.11	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.11	<5.11	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.2	<10.2	ug/kg dry	
Methyl Acetate	79-20-9	5.11	<5.11	ug/kg dry	4.N, 4.J
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.2	<10.2	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.2	<10.2	ug/kg dry	
Methylene Chloride	75-09-2	5.11	<5.11	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.11	<5.11	ug/kg dry	
n-Butylbenzene	104-51-8	5.11	<5.11	ug/kg dry	
n-Propylbenzene	103-65-1	5.11	<5.11	ug/kg dry	
o-Xylene	95-47-6	5.11	<5.11	ug/kg dry	
sec-Butylbenzene	135-98-8	5.11	<5.11	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.11	<5.11	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.2	<10.2	ug/kg dry	
tert-Butylbenzene	98-06-6	5.11	<5.11	ug/kg dry	
Tetrachloroethene	127-18-4	5.11	<5.11	ug/kg dry	
Toluene	108-88-3	5.11	<5.11	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.11	<5.11	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.11	<5.11	ug/kg dry	
Trichloroethene	79-01-6	5.11	<5.11	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.11	<5.11	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.11	<5.11	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	103	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	108	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	632	<632	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	632	<632	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	632	<632	ug/kg dry	
2,4-Dichlorophenol	120-83-2	474	<474	ug/kg dry	
2,4-Dimethylphenol	105-67-9	474	<474	ug/kg dry	
2,4-Dinitrophenol	51-28-5	948	<948	ug/kg dry	4.K, 4.M, 4.R
2,4-Dinitrotoluene	121-14-2	632	<632	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	632	<632	ug/kg dry	
2-Chloronaphthalene	91-58-7	474	<474	ug/kg dry	
2-Chlorophenol	95-57-8	474	<474	ug/kg dry	
2-Methylnaphthalene	91-57-6	474	<474	ug/kg dry	
2-Methylphenol	95-48-7	948	<948	ug/kg dry	
2-Nitroaniline	88-74-4	948	<948	ug/kg dry	
2-Nitrophenol	88-75-5	948	<948	ug/kg dry	4.K
3,3'-Dichlorobenzidine	91-94-1	948	<948	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	474	<474	ug/kg dry	
3-Nitroaniline	99-09-2	632	<632	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	948	<948	ug/kg dry	4.K, 4.M
4-Bromophenyl phenyl ether	101-55-3	632	<632	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	632	<632	ug/kg dry	
4-Chloroaniline	106-47-8	474	<474	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	632	<632	ug/kg dry	
4-Nitroaniline	100-01-6	948	<948	ug/kg dry	4.N
4-Nitrophenol	100-02-7	948	<948	ug/kg dry	
Acenaphthene	83-32-9	632	<632	ug/kg dry	
Acenaphthylene	208-96-8	474	<474	ug/kg dry	
Aniline	62-53-3	632	<632	ug/kg dry	
Anthracene	120-12-7	632	<632	ug/kg dry	
Benzidine	92-87-5	2210	<2210	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	474	<474	ug/kg dry	



LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

110 Colin Drive • Holbrook, New York 11741

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	474	<474	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	948	<948	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	474	<474	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	474	<474	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	474	<474	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	474	<474	ug/kg dry	
Bis(2-chloroisopropyl) ether		632	<632	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	948	<948	ug/kg dry	
Butyl benzyl phthalate	85-68-7	948	<948	ug/kg dry	
Carbazole	86-74-8	474	<474	ug/kg dry	
Chrysene	218-01-9	632	<632	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	474	<474	ug/kg dry	4.K
Dibenzofuran	132-64-9	632	<632	ug/kg dry	
Diethyl phthalate	84-66-2	632	<632	ug/kg dry	
Dimethyl phthalate	131-11-3	632	<632	ug/kg dry	
Di-n-butyl phthalate	84-74-2	948	<948	ug/kg dry	
Di-n-octyl phthalate	117-84-0	948	<948	ug/kg dry	4.K
Fluoranthene	206-44-0	632	<632	ug/kg dry	
Fluorene	86-73-7	632	<632	ug/kg dry	
Hexachlorobenzene	118-74-1	632	<632	ug/kg dry	
Hexachlorobutadiene	87-68-3	632	<632	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	948	<948	ug/kg dry	4.K, 4.M
Hexachloroethane	67-72-1	474	<474	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	474	<474	ug/kg dry	
Isophorone	78-59-1	948	<948	ug/kg dry	
Naphthalene	91-20-3	632	<632	ug/kg dry	
Nitrobenzene	98-95-3	632	<632	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	474	<474	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	474	<474	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	474	<474	ug/kg dry	
Pentachlorophenol	87-86-5	948	<948	ug/kg dry	
Phenanthrene	85-01-8	632	<632	ug/kg dry	
Phenol	108-95-2	474	<474	ug/kg dry	
Pyrene	129-00-0	632	<632	ug/kg dry	
Pyridine	110-86-1	632	<632	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	69	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	64	30.3-117	
Phenol-d6	13127-88-3	65	26.7-119	
Terphenyl-d14	1718-51-0	83	31.4-136	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	474	<474	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	474	<474	ug/kg dry	4.J
Acetophenone	989-86-2	474	<474	ug/kg dry	
Atrazine	1912-24-9	474	<474	ug/kg dry	
Benzaldehyde	100-52-7	474	<474	ug/kg dry	4.J
Caprolactam	105-60-2	474	<474	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	69	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	74	30.1-118	
2-Fluorophenol	367-12-4	63	28.1-113	
Nitrobenzene-d5	4165-60-0	64	30.3-117	
Phenol-d6	13127-88-3	65	26.7-119	
Terphenyl-d14	1718-51-0	83	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	111	50-200	
Naphthalene-d8	1146-65-2	109	50-200	
Phenanthrene-d10	1517-22-2	108	50-200	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.11	<2.11	ug/kg dry	
4,4'-DDE	72-55-9	2.11	<2.11	ug/kg dry	
4,4'-DDT	50-29-3	2.11	<2.11	ug/kg dry	4.K
Aldrin	309-00-2	2.11	<2.11	ug/kg dry	
alpha-BHC	319-84-6	5.27	<5.27	ug/kg dry	
beta-BHC	319-85-7	5.27	<5.27	ug/kg dry	
cis-Chlordane	5103-71-9	5.27	15.5	ug/kg dry	
delta-BHC	319-86-8	5.27	18.6	ug/kg dry	
Dieldrin	60-57-1	2.11	<2.11	ug/kg dry	
Endosulfan I	959-98-8	5.27	<5.27	ug/kg dry	
Endosulfan II	33213-65-9	5.27	<5.27	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.27	<5.27	ug/kg dry	
Endrin	72-20-8	5.27	<5.27	ug/kg dry	4.K
Endrin Aldehyde	7421-93-4	5.27	<5.27	ug/kg dry	
Endrin Ketone	53494-70-5	5.27	<5.27	ug/kg dry	
gamma-BHC / Lindane	58-89-9	5.27	<5.27	ug/kg dry	
Heptachlor	76-44-8	5.27	15.7	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.27	<5.27	ug/kg dry	
Methoxychlor	72-43-5	5.27	<5.27	ug/kg dry	4.K
Mirex	2385-85-5	5.27	<5.27	ug/kg dry	
Toxaphene	8001-35-2	105	<105	ug/kg dry	
trans-Chlordane	5103-74-2	5.27	16.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	69	52.6-153	
Tetrachloro-m-xylene	877-09-8	72	56.1-151	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	52.7	<52.7	ug/kg dry	
Aroclor-1221	11104-28-2	52.7	<52.7	ug/kg dry	
Aroclor-1232	11141-16-5	52.7	<52.7	ug/kg dry	
Aroclor-1242	53469-21-9	52.7	<52.7	ug/kg dry	
Aroclor-1248	12672-29-6	52.7	<52.7	ug/kg dry	
Aroclor-1254	11097-69-1	52.7	<52.7	ug/kg dry	
Aroclor-1260	11096-82-5	52.7	<52.7	ug/kg dry	4.T
Aroclor-1262	37324-23-5	52.7	<52.7	ug/kg dry	
Aroclor-1268	11100-14-4	52.7	<52.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	21	47.4-148	4.D
Tetrachloro-m-xylene	877-09-8	79	51.4-150	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8082 A

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	26.3	<26.3	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	26.3	<26.3	ug/kg dry	
2,4-D	94-75-7	26.3	<26.3	ug/kg dry	
Dicamba	1918-00-9	26.3	<26.3	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	79	36.3-123	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	19.6	512	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.64	3.09	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	39.2	93.8	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	19.6	1010	mg/kg dry	
Lead	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	19.6	121	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	27.5	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	19.6	57.3	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.41	<0.41	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	39.2	<39.2	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	2.40	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/22/2023	EPA 7196 A	0.527	<0.527	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.01	<0.01	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/24/2023	EPA 9014	0.21	<0.21	mg/kg dry	

Date Prepared: 08/24/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

PFCs Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
11-CESF-3-oxaundecane-1-sulfonate (11CI-PF3OUdS)		1.053	<1.053	ng/kg dry	
2,3,3,3-Tetrafluoro-2-propanoic acid (HFPO-DA)	13252-13-6	1.053	<1.053	ng/kg dry	
3:3 FTCA		1.053	<1.053	ng/kg dry	
4:2 FTS		1.053	<1.053	ng/kg dry	
5:3 FTCA		5.266	<5.266	ng/kg dry	
6:2 FTS	27619-97-2	1.053	<1.053	ng/kg dry	
7:3 FTCA		5.266	<5.266	ng/kg dry	
8:2 FTS	39108-34-4	1.053	<1.053	ng/kg dry	
9-CHDF-3-oxanonane-1-sulfonate (9CI-PF3ONS)		1.053	<1.053	ng/kg dry	
Dodecafluoro-3H-4,8-dioxanonaate (ADONA)		1.053	<1.053	ng/kg dry	
N-EtFOSA		5.266	<5.266	ng/kg dry	
N-EtFOSAA	2991-50-6	1.053	<1.053	ng/kg dry	
N-EtFOSE		10.53	<10.53	ng/kg dry	
N-MeFOSA		1.053	<1.053	ng/kg dry	
N-MeFOSAA	2355-31-9	1.053	<1.053	ng/kg dry	
N-MeFOSE		5.266	<5.266	ng/kg dry	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)		1.053	<1.053	ng/kg dry	
Perfluoro-1-decanesulfonate (PFDS)		1.053	<1.053	ng/kg dry	
Perfluoro-1-dodecanesulfonate (PFDoS)		1.053	<1.053	ng/kg dry	
Perfluoro-1-nonanesulfonate (PFNS)		1.053	<1.053	ng/kg dry	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)		5.266	<5.266	ng/kg dry	
Perfluoro-4-oxapentanoic acid (PFMPA)		5.266	<5.266	ng/kg dry	
Perfluoro-5-oxahexanoic acid (PFMBA)		5.266	<5.266	ng/kg dry	
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	1.053	<1.053	ng/kg dry	
Perfluorobutanoic Acid (PFBA)	375-22-4	1.053	<1.053	ng/kg dry	
Perfluorodecanoic Acid (PFDA)	335-76-2	1.053	<1.053	ng/kg dry	
Perfluorododecanoic Acid (PFDoA)	307-55-1	1.053	<1.053	ng/kg dry	
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	1.053	<1.053	ng/kg dry	
Perfluoroheptanoic Acid (PFHpA)	375-85-9	1.053	<1.053	ng/kg dry	
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	1.053	<1.053	ng/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Perfluorohexanoic Acid (PFHxA)	307-24-4	1.053	<1.053	ng/kg dry	
Perfluorononanoic Acid (PFNA)	375-95-1	1.053	<1.053	ng/kg dry	
Perfluorooctanesulfonamide (FOSA)	754-91-6	1.053	<1.053	ng/kg dry	
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	1.053	<1.053	ng/kg dry	
Perfluorooctanoic Acid (PFOA)	335-67-1	1.053	<1.053	ng/kg dry	
Perfluoropentanesulfonic Acid (PFPeS)		1.053	<1.053	ng/kg dry	
Perfluoropentanoic Acid (PFPeA)	2706-90-3	1.053	<1.053	ng/kg dry	
Perfluorotetradecanoic Acid (PFTeA)	376-06-7	1.053	<1.053	ng/kg dry	
Perfluorotridecanoic Acid (PFTriA)	72629-94-8	1.053	<1.053	ng/kg dry	
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	1.053	<1.053	ng/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2-(N-ethyl-d5-perfluoro-1-octanesulfonamido)		28	50-150	4.D
2-(N-methyl-d3-perfluoro-1-octanesulfonamido)		41	50-150	4.D
2,3,3,3-Tetrafluoro-2-(13C3) propanoic acid	13252-13-6	72	50-150	
N-ethyl-d5-perfluoro-1-octanesulfonamide		11	50-150	4.D
N-ethyl-d5-perfluoro-1-octanesulfonamidoacetic acid		92	50-150	
N-methyl-d3-perfluoro-1-octanesulfonamide		22	50-150	4.D
N-methyl-d3-perfluoro-1-octanesulfonamidoacetic acid		89	50-150	
Perfluoro-1-(13C8)octanesulfonamide		78	50-150	
Perfluoro-n-(1,2,3,4,5,6,7-13C7)undecanoic acid	2058-94-8	90	50-150	
Perfluoro-n-(1,2,3,4,5,6-13C6)decanoic acid	335-76-2	84	50-150	
Perfluoro-n-(1,2,3,4,6-13C5) hexanoic acid	307-24-4	75	50-150	
Perfluoro-n-(1,2,3,4-13C4) heptanoic acid	375-85-9	79	50-150	
Perfluoro-n-(1,2-13C2)dodecanoic acid	307-55-1	88	50-150	
Perfluoro-n-(1,2-13C2)tetradecanoic acid		87	50-150	
Perfluoro-n-(13C4)butanoic acid	375-22-4	69	50-150	
Perfluoro-n-(13C5)pentanoic acid	2706-90-3	70	50-150	
Perfluoro-n-(13C8)octanoic acid	335-67-1	87	50-150	
Perfluoro-n-(13C9)nonanoic acid	375-95-1	90	50-150	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: Stockpile Comp A
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-01 % Solid:94.949
Matrix: Soil	ELAP: #11693

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Sodium perfluoro-1-(1,2,3-13C3)hexanesulfonate	355-46-4	87	50-150	
Sodium perfluoro-1-(1,2-13C2)decanesulfonate	39108-34-4	74	50-150	
Sodium perfluoro-1-(1,2-13C2)octanesulfonate	27619-97-2	64	50-150	
Sodium perfluoro-1-(13C8)octanesulfonate	1763-23-1	92	50-150	
Sodium perfluoro-1-(2,3,4-13C3)butanesulfonate	375-73-5	82	50-150	
Sodium perfluoro-1-(1,2-13C2)hexanesulfonate	757124-72-4	58	50-150	

Internal Standard	CAS No.	% Recovery	Rec. Limits	Flag
Perfluoro-n-(1,2,3,4,5-13C5)nonanoic acid		113	0-200	
Perfluoro-n-(1,2,3,4-13C4)octanoic acid		108	0-200	
Perfluoro-n-(1,2-13C2)decanoic acid		116	0-200	
Perfluoro-n-(1,2-13C2)hexanoic acid		111	0-200	
Perfluoro-n-(2,3,4-13C3)butanoic acid	375-22-4	123	0-200	
Sodium perfluoro-1-(1,2,3,4-13C4)octanesulfonate	1763-23-1	119	0-200	
Sodium perfluoro-1-hexane(18O2)sulfonate		114	0-200	

Date Prepared: 09/08/2023

Preparation Method: EPA 1633

Date Analyzed: 09/14/2023

Analytical Method: EPA 1633

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.30	<5.30	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.30	<5.30	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.30	<5.30	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.30	<5.30	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.30	<5.30	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.30	<5.30	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.30	<5.30	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.30	<5.30	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.30	<5.30	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.30	<5.30	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.30	<5.30	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.30	<5.30	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.30	<5.30	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.30	<5.30	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.30	<5.30	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.30	<5.30	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.30	<5.30	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.30	<5.30	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.30	<5.30	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.30	<5.30	ug/kg dry	
1,4-Dioxane	123-91-1	26.5	<26.5	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.30	<5.30	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.30	<5.30	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.30	<5.30	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.30	<5.30	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.6	<10.6	ug/kg dry	
Acetone	67-64-1	21.2	<21.2	ug/kg dry	4.S
Acrolein	107-02-8	10.6	<10.6	ug/kg dry	
Acrylonitrile	107-13-1	10.6	<10.6	ug/kg dry	
Benzene	71-43-2	5.30	<5.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.30	<5.30	ug/kg dry	
Bromochloromethane	74-97-5	5.30	<5.30	ug/kg dry	
Bromodichloromethane	75-27-4	5.30	<5.30	ug/kg dry	
Bromoform	75-25-2	5.30	<5.30	ug/kg dry	
Bromomethane	74-83-9	5.30	<5.30	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.30	<5.30	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.30	<5.30	ug/kg dry	
Chlorobenzene	108-90-7	5.30	<5.30	ug/kg dry	
Chloroethane	75-00-3	5.30	<5.30	ug/kg dry	4.K, 4.R
Chloroform	67-66-3	5.30	<5.30	ug/kg dry	
Chloromethane	74-87-3	5.30	<5.30	ug/kg dry	4.R, 4.K
cis-1,2-Dichloroethene	156-59-2	5.30	<5.30	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.6	<10.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.30	<5.30	ug/kg dry	
Dibromomethane	74-95-3	5.30	<5.30	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.30	<5.30	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.30	<5.30	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.30	<5.30	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.30	<5.30	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.6	<10.6	ug/kg dry	
Methyl Acetate	79-20-9	5.30	<5.30	ug/kg dry	4.J, 4.N
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.6	<10.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.6	<10.6	ug/kg dry	
Methylene Chloride	75-09-2	5.30	<5.30	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.30	<5.30	ug/kg dry	
n-Butylbenzene	104-51-8	5.30	<5.30	ug/kg dry	
n-Propylbenzene	103-65-1	5.30	<5.30	ug/kg dry	
o-Xylene	95-47-6	5.30	<5.30	ug/kg dry	
sec-Butylbenzene	135-98-8	5.30	<5.30	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.30	<5.30	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.6	<10.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.30	<5.30	ug/kg dry	
Tetrachloroethene	127-18-4	5.30	<5.30	ug/kg dry	
Toluene	108-88-3	5.30	<5.30	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.30	<5.30	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.30	<5.30	ug/kg dry	
Trichloroethene	79-01-6	5.30	<5.30	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.30	<5.30	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.30	<5.30	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	103	72.1-142	
4-Bromofluorobenzene	460-00-4	98	76.1-131	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Toluene-d8	2037-26-5	111	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,2'-Oxybis(1-Chloropropane)	108-60-1	213	<213	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	213	<213	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	213	<213	ug/kg dry	
2,4-Dichlorophenol	120-83-2	159	<159	ug/kg dry	
2,4-Dimethylphenol	105-67-9	159	<159	ug/kg dry	
2,4-Dinitrophenol	51-28-5	319	<319	ug/kg dry	4.K, 4.M, 4.R
2,4-Dinitrotoluene	121-14-2	213	<213	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	213	<213	ug/kg dry	
2-Chloronaphthalene	91-58-7	159	<159	ug/kg dry	
2-Chlorophenol	95-57-8	159	<159	ug/kg dry	
2-Methylnaphthalene	91-57-6	159	<159	ug/kg dry	
2-Methylphenol	95-48-7	319	<319	ug/kg dry	
2-Nitroaniline	88-74-4	319	<319	ug/kg dry	
2-Nitrophenol	88-75-5	319	<319	ug/kg dry	4.K
3,3'-Dichlorobenzidine	91-94-1	319	<319	ug/kg dry	4.N
3/4-Methylphenol (m-Cresol/p-Cresol)	108-39-4/106-44-5	159	<159	ug/kg dry	
3-Nitroaniline	99-09-2	213	<213	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	319	<319	ug/kg dry	4.K, 4.M
4-Bromophenyl phenyl ether	101-55-3	213	<213	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	213	<213	ug/kg dry	
4-Chloroaniline	106-47-8	159	<159	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	213	<213	ug/kg dry	
4-Nitroaniline	100-01-6	319	<319	ug/kg dry	4.N
4-Nitrophenol	100-02-7	319	<319	ug/kg dry	
Acenaphthene	83-32-9	213	<213	ug/kg dry	
Acenaphthylene	208-96-8	159	<159	ug/kg dry	
Aniline	62-53-3	213	<213	ug/kg dry	
Anthracene	120-12-7	213	<213	ug/kg dry	
Benzidine	92-87-5	744	<744	ug/kg dry	4.J, 4.N
Benzo(a)anthracene	56-55-3	159	<159	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Benzo(a)pyrene	50-32-8	159	<159	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	319	<319	ug/kg dry	4.K
Benzo(g,h,i)perylene	191-24-2	159	<159	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	159	<159	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	159	<159	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	159	<159	ug/kg dry	
Bis(2-chloroisopropyl) ether		213	<213	ug/kg dry	
Bis(2-Ethylhexyl)phthalate	117-81-7	319	<319	ug/kg dry	
Butyl benzyl phthalate	85-68-7	319	<319	ug/kg dry	
Carbazole	86-74-8	159	<159	ug/kg dry	
Chrysene	218-01-9	213	<213	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	159	<159	ug/kg dry	4.K
Dibenzofuran	132-64-9	213	<213	ug/kg dry	
Diethyl phthalate	84-66-2	213	<213	ug/kg dry	
Dimethyl phthalate	131-11-3	213	<213	ug/kg dry	
Di-n-butyl phthalate	84-74-2	319	<319	ug/kg dry	
Di-n-octyl phthalate	117-84-0	319	<319	ug/kg dry	4.K
Fluoranthene	206-44-0	213	<213	ug/kg dry	
Fluorene	86-73-7	213	<213	ug/kg dry	
Hexachlorobenzene	118-74-1	213	<213	ug/kg dry	
Hexachlorobutadiene	87-68-3	213	<213	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	319	<319	ug/kg dry	4.K, 4.M
Hexachloroethane	67-72-1	159	<159	ug/kg dry	4.K
Indeno(1,2,3-cd)pyrene	193-39-5	159	<159	ug/kg dry	
Isophorone	78-59-1	319	<319	ug/kg dry	
Naphthalene	91-20-3	213	<213	ug/kg dry	
Nitrobenzene	98-95-3	213	<213	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	159	<159	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	159	<159	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
N-Nitrosodiphenylamine	86-30-6	159	<159	ug/kg dry	
Pentachlorophenol	87-86-5	319	<319	ug/kg dry	
Phenanthrene	85-01-8	213	<213	ug/kg dry	
Phenol	108-95-2	159	<159	ug/kg dry	
Pyrene	129-00-0	213	<213	ug/kg dry	
Pyridine	110-86-1	213	<213	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	67	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	57	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	79	31.4-136	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Additional Semivolatile Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1-Biphenyl	92-52-4	159	<159	ug/kg dry	
1,2-Diphenylhydrazine/Azobenzene	122-66-7/103-33-3	159	<159	ug/kg dry	4.J
Acetophenone	989-86-2	159	<159	ug/kg dry	
Atrazine	1912-24-9	159	<159	ug/kg dry	
Benzaldehyde	100-52-7	159	<159	ug/kg dry	4.J
Caprolactam	105-60-2	159	<159	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4,6-Tribromophenol	118-79-6	67	28.3-111	4.J
2-Fluorobiphenyl	321-60-8	68	30.1-118	
2-Fluorophenol	367-12-4	57	28.1-113	
Nitrobenzene-d5	4165-60-0	57	30.3-117	
Phenol-d6	13127-88-3	59	26.7-119	
Terphenyl-d14	1718-51-0	79	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	113	50-200	
Naphthalene-d8	1146-65-2	111	50-200	
Phenanthrene-d10	1517-22-2	110	50-200	

Date Prepared: 08/21/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/22/2023

Analytical Method: EPA 8270 E

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Pesticides Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
4,4'-DDD	72-54-8	2.13	<2.13	ug/kg dry	
4,4'-DDE	72-55-9	2.13	<2.13	ug/kg dry	
4,4'-DDT	50-29-3	2.13	<2.13	ug/kg dry	4.K
Aldrin	309-00-2	2.13	<2.13	ug/kg dry	
alpha-BHC	319-84-6	5.32	<5.32	ug/kg dry	
beta-BHC	319-85-7	5.32	<5.32	ug/kg dry	
cis-Chlordane	5103-71-9	5.32	<5.32	ug/kg dry	
delta-BHC	319-86-8	5.32	18.7	ug/kg dry	
Dieldrin	60-57-1	2.13	<2.13	ug/kg dry	
Endosulfan I	959-98-8	5.32	<5.32	ug/kg dry	
Endosulfan II	33213-65-9	5.32	<5.32	ug/kg dry	
Endosulfan Sulfate	1031-07-8	5.32	<5.32	ug/kg dry	
Endrin	72-20-8	5.32	<5.32	ug/kg dry	4.K
Endrin Aldehyde	7421-93-4	5.32	<5.32	ug/kg dry	
Endrin Ketone	53494-70-5	5.32	<5.32	ug/kg dry	
gamma-BHC / Lindane	58-89-9	5.32	<5.32	ug/kg dry	
Heptachlor	76-44-8	5.32	16.0	ug/kg dry	
Heptachlor Epoxide	1024-57-3	5.32	<5.32	ug/kg dry	
Methoxychlor	72-43-5	5.32	<5.32	ug/kg dry	4.K
Mirex	2385-85-5	5.32	<5.32	ug/kg dry	
Toxaphene	8001-35-2	106	<106	ug/kg dry	
trans-Chlordane	5103-74-2	5.32	16.7	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	64	52.6-153	
Tetrachloro-m-xylene	877-09-8	63	56.1-151	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8081 B

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
Aroclor-1016	12674-11-2	53.2	<53.2	ug/kg dry	
Aroclor-1221	11104-28-2	53.2	<53.2	ug/kg dry	
Aroclor-1232	11141-16-5	53.2	<53.2	ug/kg dry	
Aroclor-1242	53469-21-9	53.2	<53.2	ug/kg dry	
Aroclor-1248	12672-29-6	53.2	<53.2	ug/kg dry	
Aroclor-1254	11097-69-1	53.2	<53.2	ug/kg dry	
Aroclor-1260	11096-82-5	53.2	<53.2	ug/kg dry	
Aroclor-1262	37324-23-5	53.2	<53.2	ug/kg dry	
Aroclor-1268	11100-14-4	53.2	<53.2	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
Decachlorobiphenyl	2051-24-3	18	47.4-148	4.D
Tetrachloro-m-xylene	877-09-8	86	51.4-150	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8082 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Herbicide Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
2,4,5-T	93-76-5	26.6	<26.6	ug/kg dry	
2,4,5-TP (Silvex)	93-72-1	26.6	<26.6	ug/kg dry	
2,4-D	94-75-7	26.6	<26.6	ug/kg dry	
Dicamba	1918-00-9	26.6	<26.6	ug/kg dry	

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
2,4-Dichlorophenylacetic Acid	19719-28-9	77	36.3-123	

Date Prepared: 08/22/2023

Preparation Method: EPA 3545 A

Date Analyzed: 08/23/2023

Analytical Method: EPA 8151 A



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Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:05	Sample ID: Stockpile Comp B
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-02 % Solid:94.067
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Aluminum	08/23/2023	EPA 6010 D	16.5	466	mg/kg dry	
Antimony	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Arsenic	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Barium	08/23/2023	EPA 6010 D	1.38	2.94	mg/kg dry	
Beryllium	08/23/2023	EPA 6010 D	0.67	<0.67	mg/kg dry	
Cadmium	08/23/2023	EPA 6010 D	1.65	<1.65	mg/kg dry	
Calcium	08/23/2023	EPA 6010 D	33.3	78.8	mg/kg dry	
Chromium	08/23/2023	EPA 6010 D	1.67	1.69	mg/kg dry	
Cobalt	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Copper	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Iron	08/23/2023	EPA 6010 D	16.5	998	mg/kg dry	
Lead	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Magnesium	08/23/2023	EPA 6010 D	16.7	117	mg/kg dry	
Manganese	08/23/2023	EPA 6010 D	1.67	26.0	mg/kg dry	
Nickel	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Potassium	08/23/2023	EPA 6010 D	16.5	53.1	mg/kg dry	4.N
Selenium	08/23/2023	EPA 6010 D	3.33	<3.33	mg/kg dry	
Silver	08/23/2023	EPA 6010 D	0.34	<0.34	mg/kg dry	
Sodium	08/23/2023	EPA 6010 D	33.0	<33.0	mg/kg dry	
Thallium	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	
Vanadium	08/23/2023	EPA 6010 D	1.67	2.02	mg/kg dry	
Zinc	08/23/2023	EPA 6010 D	1.67	<1.67	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3050B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Hexavalent Chromium	08/22/2023	EPA 7196 A	0.532	<0.532	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 3060A

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Mercury	08/24/2023	EPA 7471 B	0.008	<0.008	mg/kg dry	

Date Prepared: 08/21/2023

Preparation Method: EPA 7471 B

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Cyanide	08/24/2023	EPA 9014	0.21	<0.21	mg/kg dry	

Date Prepared: 08/24/2023

Preparation Method: Distillation Prep

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.16	<5.16	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.16	<5.16	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.16	<5.16	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.16	<5.16	ug/kg dry	4.S
1,1,2-Trichloroethane	79-00-5	5.16	<5.16	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.16	<5.16	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.16	<5.16	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.16	<5.16	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	5.16	<5.16	ug/kg dry	4.K
1,2,3-Trichloropropane	96-18-4	5.16	<5.16	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.16	<5.16	ug/kg dry	4.K
1,2,4-Trimethylbenzene	95-63-6	5.16	<5.16	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.16	<5.16	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.16	<5.16	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.16	<5.16	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.16	<5.16	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.16	<5.16	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.16	<5.16	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.16	<5.16	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.16	<5.16	ug/kg dry	
1,4-Dioxane	123-91-1	25.8	<25.8	ug/kg dry	4.C
2,2-Dichloropropane	594-20-7	5.16	<5.16	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.16	<5.16	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.16	<5.16	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.16	<5.16	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.3	<10.3	ug/kg dry	
Acetone	67-64-1	20.6	<20.6	ug/kg dry	4.S
Acrolein	107-02-8	10.3	<10.3	ug/kg dry	
Acrylonitrile	107-13-1	10.3	<10.3	ug/kg dry	
Benzene	71-43-2	5.16	<5.16	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.16	<5.16	ug/kg dry	
Bromochloromethane	74-97-5	5.16	<5.16	ug/kg dry	4.K, 4.S
Bromodichloromethane	75-27-4	5.16	<5.16	ug/kg dry	
Bromoform	75-25-2	5.16	<5.16	ug/kg dry	
Bromomethane	74-83-9	5.16	<5.16	ug/kg dry	4.K, 4.M
Carbon disulfide	75-15-0	5.16	<5.16	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	5.16	<5.16	ug/kg dry	4.S
Chlorobenzene	108-90-7	5.16	<5.16	ug/kg dry	
Chloroethane	75-00-3	5.16	<5.16	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	5.16	<5.16	ug/kg dry	4.C
Chloromethane	74-87-3	5.16	<5.16	ug/kg dry	4.R, 4.K, 4.M
cis-1,2-Dichloroethene	156-59-2	5.16	<5.16	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.3	<10.3	ug/kg dry	
Dibromochloromethane	124-48-1	5.16	<5.16	ug/kg dry	
Dibromomethane	74-95-3	5.16	<5.16	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.16	<5.16	ug/kg dry	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	5.16	<5.16	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.16	<5.16	ug/kg dry	4.K
Isopropylbenzene (Cumene)	98-82-8	5.16	<5.16	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.3	<10.3	ug/kg dry	
Methyl Acetate	79-20-9	5.16	<5.16	ug/kg dry	4.S
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.3	<10.3	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.3	<10.3	ug/kg dry	
Methylene Chloride	75-09-2	5.16	<5.16	ug/kg dry	4.C, 4.S
Methyl-tert-Butyl Ether	1634-04-4	5.16	<5.16	ug/kg dry	
n-Butylbenzene	104-51-8	5.16	<5.16	ug/kg dry	4.S
n-Propylbenzene	103-65-1	5.16	<5.16	ug/kg dry	
o-Xylene	95-47-6	5.16	<5.16	ug/kg dry	
sec-Butylbenzene	135-98-8	5.16	<5.16	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:00	Sample ID: SPG 1 (a2)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-03 % Solid:96.873
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.16	<5.16	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.3	<10.3	ug/kg dry	
tert-Butylbenzene	98-06-6	5.16	<5.16	ug/kg dry	
Tetrachloroethene	127-18-4	5.16	<5.16	ug/kg dry	4.S
Toluene	108-88-3	5.16	<5.16	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	5.16	<5.16	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.16	<5.16	ug/kg dry	
Trichloroethene	79-01-6	5.16	<5.16	ug/kg dry	4.S
Trichlorofluoromethane	75-69-4	5.16	<5.16	ug/kg dry	4.R, 4.K, 4.M
Vinyl chloride	75-01-4	5.16	<5.16	ug/kg dry	4.M, 4.R, 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	102	77.6-135	
Toluene-d8	2037-26-5	101	77.8-124	

Date Prepared: 08/24/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/24/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
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	4.S
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	4.S
1,1-Dichloropropene	563-58-6	5.27	<5.27	ug/kg dry	4.S
1,2,3-Trichlorobenzene	87-61-6	5.27	<5.27	ug/kg dry	4.K
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	4.K
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	4.C
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	4.R
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	4.S
Acrolein	107-02-8	10.5	<10.5	ug/kg dry	
Acrylonitrile	107-13-1	10.5	<10.5	ug/kg dry	
Benzene	71-43-2	5.27	<5.27	ug/kg dry	4.S

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
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	4.K, 4.S
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	4.K, 4.M
Carbon disulfide	75-15-0	5.27	<5.27	ug/kg dry	4.S
Carbon Tetrachloride	56-23-5	5.27	<5.27	ug/kg dry	4.S
Chlorobenzene	108-90-7	5.27	<5.27	ug/kg dry	
Chloroethane	75-00-3	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
Chloroform	67-66-3	5.27	<5.27	ug/kg dry	4.C
Chloromethane	74-87-3	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
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	4.K, 4.M, 4.R
Ethylbenzene	100-41-4	5.27	<5.27	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.27	<5.27	ug/kg dry	4.K
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.S
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	4.C, 4.S
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	4.S
n-Propylbenzene	103-65-1	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	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:07	Sample ID: SPG 2 (a5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-04 % Solid:97.319
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.27	<5.27	ug/kg dry	
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	4.S
Toluene	108-88-3	5.27	<5.27	ug/kg dry	4.S
trans-1,2-Dichloroethene	156-60-5	5.27	<5.27	ug/kg dry	4.S
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	4.S
Trichlorofluoromethane	75-69-4	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R
Vinyl chloride	75-01-4	5.27	<5.27	ug/kg dry	4.K, 4.M, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	117	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	107	77.6-135	
Toluene-d8	2037-26-5	100	77.8-124	

Date Prepared: 08/24/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/24/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.32	<5.32	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.32	<5.32	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.32	<5.32	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.32	<5.32	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.32	<5.32	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.32	<5.32	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.32	<5.32	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.32	<5.32	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.32	<5.32	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.32	<5.32	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.32	<5.32	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.32	<5.32	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.32	<5.32	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.32	<5.32	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.32	<5.32	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.32	<5.32	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.32	<5.32	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.32	<5.32	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.32	<5.32	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.32	<5.32	ug/kg dry	
1,4-Dioxane	123-91-1	26.6	<26.6	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.32	<5.32	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.32	<5.32	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.32	<5.32	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.32	<5.32	ug/kg dry	
4-Methyl-2-Pentanone	108-10-1	10.6	<10.6	ug/kg dry	
Acetone	67-64-1	21.3	<21.3	ug/kg dry	4.S
Acrolein	107-02-8	10.6	<10.6	ug/kg dry	
Acrylonitrile	107-13-1	10.6	<10.6	ug/kg dry	
Benzene	71-43-2	5.32	<5.32	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.32	<5.32	ug/kg dry	
Bromochloromethane	74-97-5	5.32	<5.32	ug/kg dry	
Bromodichloromethane	75-27-4	5.32	<5.32	ug/kg dry	
Bromoform	75-25-2	5.32	<5.32	ug/kg dry	
Bromomethane	74-83-9	5.32	<5.32	ug/kg dry	4.R, 4.K
Carbon disulfide	75-15-0	5.32	<5.32	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.32	<5.32	ug/kg dry	
Chlorobenzene	108-90-7	5.32	<5.32	ug/kg dry	
Chloroethane	75-00-3	5.32	<5.32	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.32	<5.32	ug/kg dry	
Chloromethane	74-87-3	5.32	<5.32	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.32	<5.32	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.6	<10.6	ug/kg dry	
Dibromochloromethane	124-48-1	5.32	<5.32	ug/kg dry	
Dibromomethane	74-95-3	5.32	<5.32	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.32	<5.32	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.32	<5.32	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.32	<5.32	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.32	<5.32	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.6	<10.6	ug/kg dry	
Methyl Acetate	79-20-9	5.32	<5.32	ug/kg dry	4.J, 4.N
Methyl Butyl Ketone (2-Hexanone)	591-78-6	10.6	<10.6	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.6	<10.6	ug/kg dry	
Methylene Chloride	75-09-2	5.32	<5.32	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.32	<5.32	ug/kg dry	
n-Butylbenzene	104-51-8	5.32	<5.32	ug/kg dry	
n-Propylbenzene	103-65-1	5.32	<5.32	ug/kg dry	
o-Xylene	95-47-6	5.32	<5.32	ug/kg dry	
sec-Butylbenzene	135-98-8	5.32	<5.32	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:10	Sample ID: SPG 3 (a4)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-05 % Solid:95.713
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.32	<5.32	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.6	<10.6	ug/kg dry	
tert-Butylbenzene	98-06-6	5.32	<5.32	ug/kg dry	
Tetrachloroethene	127-18-4	5.32	<5.32	ug/kg dry	
Toluene	108-88-3	5.32	<5.32	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.32	<5.32	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.32	<5.32	ug/kg dry	
Trichloroethene	79-01-6	5.32	<5.32	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.32	<5.32	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.32	<5.32	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	105	72.1-142	
4-Bromofluorobenzene	460-00-4	99	76.1-131	
Dibromofluoromethane	1868-53-7	91	77.6-135	
Toluene-d8	2037-26-5	108	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
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	
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	4.S
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	4.J
1,2,3-Trichloropropane	96-18-4	5.47	<5.47	ug/kg dry	
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-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	
1,2-Dichloropropane	78-87-5	5.47	<5.47	ug/kg dry	4.N
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	
1,4-Dichlorobenzene	106-46-7	5.47	<5.47	ug/kg dry	
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.R
2-Chlorotoluene	95-49-8	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	
Acrylonitrile	107-13-1	10.9	<10.9	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
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.R, 4.K
Carbon disulfide	75-15-0	5.47	<5.47	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.47	<5.47	ug/kg dry	
Chlorobenzene	108-90-7	5.47	<5.47	ug/kg dry	
Chloroethane	75-00-3	5.47	<5.47	ug/kg dry	4.R, 4.K
Chloroform	67-66-3	5.47	<5.47	ug/kg dry	
Chloromethane	74-87-3	5.47	<5.47	ug/kg dry	4.K, 4.R
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	4.K, 4.R
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.47	<5.47	ug/kg dry	4.J
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	
Methyl Acetate	79-20-9	5.47	<5.47	ug/kg dry	4.J, 4.N
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	
Methylene Chloride	75-09-2	5.47	<5.47	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	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	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:13	Sample ID: SPG 4 (b5)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-06 % Solid:94.032
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
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	
Tetrachloroethene	127-18-4	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	4.S
trans-1,3-Dichloropropene	10061-02-6	5.47	<5.47	ug/kg dry	
Trichloroethene	79-01-6	5.47	<5.47	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.47	<5.47	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.47	<5.47	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	104	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	99	77.6-135	
Toluene-d8	2037-26-5	107	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Volatiles Low Level Analysis

Parameter	CAS No.	LOQ	Result	Units	Flag
1,1,1,2-Tetrachloroethane	630-20-6	5.21	<5.21	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.21	<5.21	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.21	<5.21	ug/kg dry	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.21	<5.21	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.21	<5.21	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.21	<5.21	ug/kg dry	
1,1-Dichloroethene	75-35-4	5.21	<5.21	ug/kg dry	4.S
1,1-Dichloropropene	563-58-6	5.21	<5.21	ug/kg dry	
1,2,3-Trichlorobenzene	87-61-6	5.21	<5.21	ug/kg dry	4.J
1,2,3-Trichloropropane	96-18-4	5.21	<5.21	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	5.21	<5.21	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.21	<5.21	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.21	<5.21	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.21	<5.21	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.21	<5.21	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.21	<5.21	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.21	<5.21	ug/kg dry	4.N
1,3,5-Trimethylbenzene	108-67-8	5.21	<5.21	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.21	<5.21	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.21	<5.21	ug/kg dry	
1,4-Dioxane	123-91-1	26.0	<26.0	ug/kg dry	
2,2-Dichloropropane	594-20-7	5.21	<5.21	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.21	<5.21	ug/kg dry	4.R
2-Chlorotoluene	95-49-8	5.21	<5.21	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.21	<5.21	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	4.S
Acrolein	107-02-8	10.4	<10.4	ug/kg dry	
Acrylonitrile	107-13-1	10.4	<10.4	ug/kg dry	
Benzene	71-43-2	5.21	<5.21	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Bromobenzene	108-86-1	5.21	<5.21	ug/kg dry	
Bromochloromethane	74-97-5	5.21	<5.21	ug/kg dry	
Bromodichloromethane	75-27-4	5.21	<5.21	ug/kg dry	
Bromoform	75-25-2	5.21	<5.21	ug/kg dry	
Bromomethane	74-83-9	5.21	<5.21	ug/kg dry	4.K, 4.R
Carbon disulfide	75-15-0	5.21	<5.21	ug/kg dry	4.J, 4.S
Carbon Tetrachloride	56-23-5	5.21	<5.21	ug/kg dry	
Chlorobenzene	108-90-7	5.21	<5.21	ug/kg dry	
Chloroethane	75-00-3	5.21	<5.21	ug/kg dry	4.K, 4.R
Chloroform	67-66-3	5.21	<5.21	ug/kg dry	
Chloromethane	74-87-3	5.21	<5.21	ug/kg dry	4.K, 4.R
cis-1,2-Dichloroethene	156-59-2	5.21	<5.21	ug/kg dry	
cis-1,3-Dichloropropene	10061-01-5	10.4	<10.4	ug/kg dry	
Dibromochloromethane	124-48-1	5.21	<5.21	ug/kg dry	
Dibromomethane	74-95-3	5.21	<5.21	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.21	<5.21	ug/kg dry	4.K, 4.R
Ethylbenzene	100-41-4	5.21	<5.21	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.21	<5.21	ug/kg dry	4.J
Isopropylbenzene (Cumene)	98-82-8	5.21	<5.21	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.4	<10.4	ug/kg dry	
Methyl Acetate	79-20-9	5.21	<5.21	ug/kg dry	4.N, 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	5.21	<5.21	ug/kg dry	4.J
Methyl-tert-Butyl Ether	1634-04-4	5.21	<5.21	ug/kg dry	
n-Butylbenzene	104-51-8	5.21	<5.21	ug/kg dry	
n-Propylbenzene	103-65-1	5.21	<5.21	ug/kg dry	
o-Xylene	95-47-6	5.21	<5.21	ug/kg dry	
sec-Butylbenzene	135-98-8	5.21	<5.21	ug/kg dry	

Client: Tony Casale Inc	Client ID: 1 Java Brooklyn
Date (Time) Collected: 08/18/2023 14:15	Sample ID: SPG 5 (b3)
Date (Time) Received: 08/18/2023 17:14	Laboratory ID: 3081854-07 % Solid:94.120
Matrix: Soil	ELAP: #11693

Parameter	CAS No.	LOQ	Result	Units	Flag
Styrene	100-42-5	5.21	<5.21	ug/kg dry	
tert-Butyl alcohol	75-65-0	10.4	<10.4	ug/kg dry	
tert-Butylbenzene	98-06-6	5.21	<5.21	ug/kg dry	
Tetrachloroethene	127-18-4	5.21	<5.21	ug/kg dry	
Toluene	108-88-3	5.21	<5.21	ug/kg dry	
trans-1,2-Dichloroethene	156-60-5	5.21	<5.21	ug/kg dry	4.S
trans-1,3-Dichloropropene	10061-02-6	5.21	<5.21	ug/kg dry	
Trichloroethene	79-01-6	5.21	<5.21	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.21	<5.21	ug/kg dry	4.K, 4.R
Vinyl chloride	75-01-4	5.21	<5.21	ug/kg dry	4.K, 4.R

Surrogate	CAS No.	% Recovery	Rec. Limits	Flag
1,2-Dichloroethane-d4	10706-07-0	105	72.1-142	
4-Bromofluorobenzene	460-00-4	100	76.1-131	
Dibromofluoromethane	1868-53-7	98	77.6-135	
Toluene-d8	2037-26-5	97	77.8-124	

Date Prepared: 08/25/2023

Preparation Method: EPA 5035A-L

Date Analyzed: 08/25/2023

Analytical Method: EPA 8260 D

Data Qualifiers Key Reference:

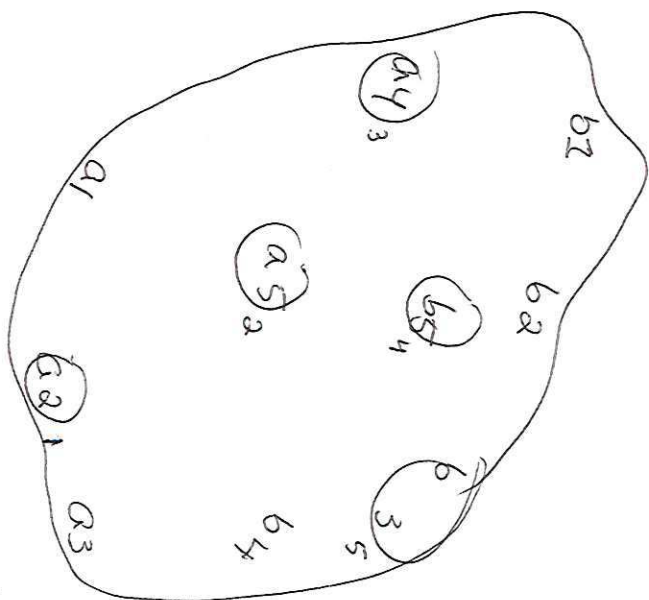
4.C	Target compound found in blank.
4.D	Surrogate recovery has failed low.
4.J	Continuing Calibration Verification (CCV) quality control levels failed low, values are considered to be estimated.
4.K	Continuing Calibration Verification (CCV) quality control levels failed high, values are considered to 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

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Tony Casale Jr				CONTACT: Mike Festo		SAMPLER (SIGNATURE): 		SAMPLER NAME (PRINT): Mike Festo		SAMPLER(S) SEALED YES / NO		CORRECT CONTAINERS YES / NO		3081854	
PROJECT LOCATION: 2 Java Brooklyn				PHONE: (914) 375 2177		SAMPLER RECEIVED AT: 2.3 °C		SAMPLER NAME (PRINT): Evan Latoro		YES / NO		CORRECT CONTAINERS YES / NO			
REPORTS EMAIL: mikef@tonycasaleinc.com				INVOICE EMAIL:											
LABORATORY ID # For Laboratory Use Only	MATRIX	TYPE	PH	RES. CHLORINE PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED							
1.	S	C			8/18/03	2:14:00	Stockpile Comp A	EPA 815A H	✓	✓	✓	✓	✓	✓	✓
2.	S	C			8/18/03	14:05	Stockpile Comp B	EPA 8270E SVOC	✓	✓	✓	✓	✓	✓	✓
3.	S	g			8/18/03	14:00	SPG 1 (a2)	EPA 8082A PCB	✓	✓	✓	✓	✓	✓	✓
4.	S	g			8/18/03	14:07	SPG 2 (a5)	EPA 8081B Pest	✓	✓	✓	✓	✓	✓	✓
5.	S	g			8/18/03	14:10	SPG 3 (a4)	EPA 6010D	✓	✓	✓	✓	✓	✓	✓
6.	S	g			8/18/03	14:13	SPG 4 (b5)	EPA 9012A	✓	✓	✓	✓	✓	✓	✓
7.	S	g			8/18/03	14:15	SPG 5 (b3)	EPA 7196A	✓	✓	✓	✓	✓	✓	✓
8.								EPA 7471B Metals	✓	✓	✓	✓	✓	✓	✓
9.								Hex/Trichloro	✓	✓	✓	✓	✓	✓	✓
10.								Cyanide	✓	✓	✓	✓	✓	✓	✓
11.								EPA 8260D VOCs	✓	✓	✓	✓	✓	✓	✓
12.															
13.															
14.															

3081854

a, b - comps
O grab



other
piles

lake

Road

Imported Materials Documentation:
Impact Environmental Reuse and Recovery Center – Lyndhurst
0.75 inch Clean Blue Stone
(Provided Separately)

Backfill Quantities and Sources Summaries, Java Street, Brooklyn, New York

Ticket Number	Facility	Material	Location	Weight (tons)
180232	IRRC Lyndhurst	3/4" Bluestone	Pile Backfill	23.00
196240	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.31
197075	IRRC Lyndhurst	1.5" Bluestone	Truck Pad	24.37
196985	IRRC Lyndhurst	3/4" Bluestone	Backfill	23.43
197130	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.42
196576	IRRC Lyndhurst	3/4" Bluestone	Backfill	21.99
197203	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.88
197610	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.21
197758	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.66
199880	IRRC Lyndhurst	3/4" Bluestone	Backfill	23.52
199892	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.37
199891	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.49
199683	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.02
200837	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.65
200834	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.28
200842	IRRC Lyndhurst	3/4" Bluestone	Backfill	23.67
200843	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.89
200848	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.57
200849	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.44
201099	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.05
201899	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.21
201902	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.16
201908	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.88
201927	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.72
201937	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.04
201826	IRRC Lyndhurst	3/4" Bluestone	Backfill	21.30
201872	IRRC Lyndhurst	3/4" Bluestone	Backfill	23.22
201918	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.99
201945	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.75
202111	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.42
202149	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.42
202166	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.70
202252	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.30
202227	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.91
202170	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.89
202194	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.78
202257	IRRC Lyndhurst	1.5" Bluestone	Backfill	25.12
202277	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.06
202300	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.94
202309	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.16
202337	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.00
202313	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.91
202358	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.82
202376	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.12
202388	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.35
202400	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.52
202419	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.29
202430	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.35
202436	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.70
202474	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.42
202493	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.64
202510	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.23
202515	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.60
202523	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.19
202443	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.13
202449	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.62
202466	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.82
202560	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.41
202711	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.26
202763	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.11
202852	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.80
202943	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.14
202629	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.68
203046	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.47
203148	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.50
203529	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.21
203454	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.79
203598	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.51
203415	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.69
203232	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.30
203282	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.48
203359	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.86
205388	IRRC Lyndhurst	1.5" Bluestone	Backfill	25.02
205346	IRRC Lyndhurst	1.5" Bluestone	Backfill	25.16
205363	IRRC Lyndhurst	1.5" Bluestone	Backfill	26.26
205463	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.19
205443	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.35
205410	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.91
205293	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.62

Backfill Quantities and Sources Summaries, Java Street, Brooklyn, New York

Ticket Number	Facility	Material	Location	Weight (tons)
206097	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.21
206024	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.54
206169	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.11
206273	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.86
206212	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.59
122554	Stavola Beaver Run	1-2" Stone	Backfill	23.34
-	Stavola Beaver Run	1-2" Stone	Backfill	20.00
122598	Stavola Beaver Run	1-2" Stone	Backfill	22.47
122586	Stavola Beaver Run	1-2" Stone	Backfill	22.61
122596	Stavola Beaver Run	1-2" Stone	Backfill	22.61
122595	Stavola Beaver Run	1-2" Stone	Backfill	22.39
54045316	Vulcan Hamburg	C-33 MFG Sand	Backfill	26.01
54045319	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.54
54045317	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.60
54045321	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.53
206476	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.50
206446	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.48
54045376	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.45
54045388	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.36
54045375	Vulcan Hamburg	C-33 MFG Sand	Backfill	26.24
54045364	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.79
54045410	Vulcan Hamburg	C-33 MFG Sand	Backfill	25.06
54045406	Vulcan Hamburg	C-33 MFG Sand	Backfill	26.01
122856	Stavola Beaver Run	1-2" Stone	Retention Wall	23.31
122858	Stavola Beaver Run	1-2" Stone	Retention Wall	24.63
122857	Stavola Beaver Run	1-2" Stone	Retention Wall	23.80
122859	Stavola Beaver Run	1-2" Stone	Retention Wall	23.78
206871	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.49
123291	Stavola Beaver Run	1-2" Stone	Retention Wall	24.95
54045805	Vulcan Hamburg	C-33 MFG Sand	Retention Wall	26.23
123376	Stavola Beaver Run	1-2" Stone	Retention Wall	23.23
123374	Stavola Beaver Run	1-2" Stone	Retention Wall	22.76
1233375	Stavola Beaver Run	1-2" Stone	Retention Wall	22.54
57016928	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.09
57017442	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.15
57017444	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.20
123901	Stavola Beaver Run	1-2" Stone	Retention Wall	23.86
123902	Stavola Beaver Run	1-2" Stone	Retention Wall	25.09
123905	Stavola Beaver Run	1-2" Stone	Retention Wall	24.25
208619	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.32
208730	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.49
209221	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.51
124253	Stavola Beaver Run	1-2" Stone	Retention Wall	23.09
124254	Stavola Beaver Run	1-2" Stone	Retention Wall	23.72
124298	Stavola Beaver Run	1-2" Stone	Retention Wall	23.73
124310	Stavola Beaver Run	1-2" Stone	Retention Wall	24.82
6209543	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.17
57018440	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	23.05
57018441	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.06
57018457	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.90
6210412	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.34
57018959	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.05
57018955	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.97
6210837	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.31
6210890	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.77
6211133	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.29
6211228	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.64
6211343	IRRC Lyndhurst	1.5" Bluestone	Backfill	24.44
6211418	IRRC Lyndhurst	1.5" Bluestone	Backfill	48.03
6212727	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.31
6211534	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.22
6213015	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.15
6212962	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.26
6212960	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.26
6212915	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.86
6213134	IRRC Lyndhurst	1.5" Bluestone	Backfill	23.13
6213097	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.96
6213069	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.93
6213153	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.59
6213174	IRRC Lyndhurst	1.5" Bluestone	Backfill	45.19
5702769	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	26.47
57020747	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.02
6214066	IRRC Lyndhurst	1.5" Bluestone	Backfill	22.29
6214073	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.08
57021522	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.11
57021533	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.57
57021541	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	24.20
100037389	Impact Materials Jersey City	1.5" Bluestone	Backfill	22.95
-	New Jersey Gravel and Sand Co.	White Mason Sand	Backfill	21.65

Backfill Quantities and Sources Summaries, Java Street, Brooklyn, New York

Ticket Number	Facility	Material	Location	Weight (tons)
-	New Jersey Gravel and Sand Co.	Coarse Sand	Backfill	24.10
57021964	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.59
57021953	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.67
57021938	Vulcan 7295-141 Peir J	Natural Concrete Sand C-33	Backfill	25.74
100037675	Impact Materials Jersey City	1.5" Bluestone	Backfill	21.99
6215071	IRRC Lyndhurst	1.5" Bluestone	Backfill	25.91
6217106	IRRC Lyndhurst	3/4" Bluestone	Backfill	23.07
6222160	IRRC Lyndhurst	3/4" Bluestone	Backfill	22.37
6222161	IRRC Lyndhurst	3/4" Bluestone	Backfill	24.05
6222162	IRRC Lyndhurst	3/4" Bluestone	Backfill	25.25
6222163	IRRC Lyndhurst	3/4" Bluestone	Backfill	24.07
6222181	IRRC Lyndhurst	3/4" Bluestone	Backfill	24.76
6222193	IRRC Lyndhurst	3/4" Bluestone	Backfill	24.83
6222194	IRRC Lyndhurst	3/4" Bluestone	Backfill	21.73
6223476	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.69
6223494	IRRC Lyndhurst	1.5" Bluestone	Backfill	21.68
6223516	IRRC Lyndhurst	1.5" Bluestone	Backfill	20.93
100043443	Impact Materials Jersey City	3/4" Bluestone	Backfill	23.51
100043446	Impact Materials Jersey City	3/4" Bluestone	Backfill	24.30
100043447	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.52
100043453	Impact Materials Jersey City	3/4" Bluestone	Backfill	23.54
100043574	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.65
100043576	Impact Materials Jersey City	3/4" Bluestone	Backfill	24.71
100043593	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.76
100043594	Impact Materials Jersey City	3/4" Bluestone	Backfill	26.15
100043609	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.49
100043615	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.07
100046266	Impact Materials Jersey City	3/4" Bluestone	Backfill	21.93
100046254	Impact Materials Jersey City	3/4" Bluestone	Backfill	23.66
100046274	Impact Materials Jersey City	3/4" Bluestone	Backfill	24.78
100046275	Impact Materials Jersey City	3/4" Bluestone	Backfill	25.55
32893	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32894	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32894	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32900	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32900	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32903	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	27.00
32904	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32904	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32907	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32908	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32910	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32911	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32909	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32908	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32910	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32911	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32909	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32909	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32908	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S3	Waterfront Backfill	9.45
32910	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32911	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
32909	Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	S2	Waterfront Backfill	27.00
			TOTAL	5039.68

Summary of Imports

Facility	Sum of Weight (tons)
New Jersey Gravel and Sand Co.	45.75
Coarse Sand	24.10
White Mason Sand	21.65
Ranco Sand & Stone Corp/Sparrow Mining of Suffolk	576.45
S2	405.00
S3	171.45
Stavola Beaver Run	490.98
1-2" Stone	490.98
Vulcan 7295-141 Peir J	397.84
Natural Concrete Sand C-33	397.84
Vulcan Hamburg	282.82
C-33 MFG Sand	282.82
IRRC Lyndhurst	2855.28
1.5" Bluestone	2505.02
3/4" Bluestone	350.26
Impact Materials Jersey City	390.56
1.5" Bluestone	44.94
3/4" Bluestone	345.62
Grand Total	5039.68



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket # 201826

welcome to solid ground....

6201826

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

3/4" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 74,140 lb
Tare: 31,540 lb
Net: 42,600 lb

NET (tons):

21.30 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Christian F.

Date and Time In and Out: 1/17/2023

Tare Time

9:40 AM

Gross Time

9:40 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 5

Driver Name and Signature (conditional):

CIVETTA #05

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #

201872

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to ~~solid~~ ⁸²⁰⁴⁸⁷² ground....

Facility Registration # 121888
Permit CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

3/4" Clean Blue Stone

#10546

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,980 lb

Tare: 31,540 lb

Net: 46,440 lb

NET (tons):

23.22 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/18/2023

8:13 AM

8:13 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA S

Driver Name and Signature (conditional):

CIVETTA #05

40848PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL

Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
674-263-8800

Manifest #:

Ticket #:

180232

welcome to solid ground...
6180232
Facility Registration # 121895
Permit CBG070005

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

3/4" Clean Blue Stone

#10546

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,540 lb

Tare: 31,540 lb

Net: 46,000 lb

NET (tons):

23.00 tn

NOTES:

Part 3

WEIGHT CERTIFICATION

TANYA M #31750

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time:

Gross Time:

8/3/2022

10:14 AM

10:14 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

196576

welcome to **6196576**ound...

Facility Registration # 10185c
Permit G86070062

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

04 - Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,300 lb
Tare: 31,320 lb
Net: 43,980 lb

NET (tons):

21.99 tn

#10548

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Date and Time In and Out:

	Tare Time	Gross Time
10/18/2022	10:53 AM	10:53 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (optional):

CIVETTA

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL

Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #:

196985

6198985

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

()

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification: **Blue Stone**

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,180 lb

Tare: 31,320 lb

Net: 46,860 lb

NET (tons):

23.43 tn

#10546

NOTES:

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out: 10/21/2022

7:05 AM

7:05 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (Personal):

CIVETTA #01

Truck Plate:

64609FC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: **199880**

welcome to solid ground....
6199880

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

3/4" Clean Blue Stone

NOTES:

#10546

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **78,040 lb**

Tare: **31,000 lb**

Net: **47,040 lb**

NET (tons):

23.52 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out: **12/2/2022**

Tare Time

8:58 AM

Gross Time

8:58 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate: **29103PF**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Impact Reuse and Recovery Center
1000 Page Ave
Lyndhurst, NJ 07071



Job #:	16590
Customer:	Civetta Cousins
Truck:	AT187F- Cuenca Coronel42
PO #:	
Product:	3/4" Bluestone

Date: 12/4/2023	Ticket #: 6222160
Time: 1:39:07 PM	

Ticket Note

	Tons	Pounds
Gross:	36.65	73,300
Tare:	14.28	28,560
Net:	22.37	44,740

Company Message

Loads Today: 1
Units Today: 22.37

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center
1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: AT399F- Cuenca Coronel71
PO #:
Product: 3/4" Bluestone

Date: 12/4/2023
Time: 1:49:32 PM
Ticket #: 6222161

[Ticket Note](#)

	Tons	Pounds
Gross:	38.61	77,220
Tare:	14.56	29,120
Net:	24.05	48,100

Loads Today: 2
Units Today: 46.42

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: AU760A- Cuenca Coronel74
PO #:
Product: 3/4" Bluestone

	Tons	Pounds
Gross:	39.54	79,080
Tare:	14.29	28,580
Net:	25.25	50,500

Loads Today: 3
Units Today: 71.67

Date: 12/4/2023
Time: 2:08:24 PM

Ticket #: 6222162

Ticket Note

Company Message

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

Christan. F #31778

WEIGHMASTER

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 3/4" Bluestone

Date: 12/4/2023
Time: 2:43:03 PM

Ticket #: 6222163

Ticket Note

	Tons	Pounds
Gross:	39.84	79,680
Tare:	15.77	31,540
Net:	24.07	48,140

Loads Today: 4
Units Today: 95.74

Company Message

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

Christan. F #31778

WEIGHMASTER

DRIVER SIGNATURE _____

SITE SIGNATURE _____



IMPACT ENVIRONMENTAL

Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #:

200827

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

GENERATOR

Part 1

LYNDHURST-OUT

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Civetta MSA

Project Site (Description and Address):

Part 2

3/4" Clean Blue Stone MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

Gross: 78,320 lb
GROSS/TARE/NET (lbs)
Tare: 33,000 lb
Net: 45,320 lb

NET (tons):
22.66 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: 12/27/2022

Tare Time

9:52 AM

Gross Time

9:52 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Imported Materials Documentation:
Impact Environmental Reuse and Recovery Center – Lyndhurst
1.5 inch Clean Blue Stone
(Provided Separately)



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

196240
6196240

welcome to solid ground...

Facility Registration # 121588
Printer CBG/1/1/12

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST OUT
IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Location and Address):

CHATEL MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone

Classification of Material:

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **74,160 lb**

Tare: **31,540 lb**

Net: **42,620 lb**

NET (tons):

21.31 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

10/13/2022

4:00 PM

4:00 PM

Date and Time (in and out):

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #05

40849PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

197075

1

weight is 24.37 tons

Facility License # 02088
Permit CBG020002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification: **1051 Blue Stone**

GROSS/TARE/NET (lbs)

Gross: 80,060 lb
Tare: 31,320 lb
Net: 48,740 lb

NET (tons):

24.37 tn

WEIGHTS

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

10/21/2022

10:39 AM

10:39 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (optional):

CIVETTA #01

Truck Plate:

64808PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

197130

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

1

6197130

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification to Material: **1.50 Dark Blue Stone**

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 72,160 lb

Tare: 31,320 lb

Net: 40,840 lb

NET (tons):

20.42 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

	Tare Time	Gross Time
Date and Time In and Out:	10/21/2022 1:11 PM	1:11 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (Optional):

Signature

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

197203

1

welcome to ~~6197203~~ound....

Facility Registration #: 121800
Permit: CB0077002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-001

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification: **1000 Green Blue Stone**

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **75,300 lb**

Tare: **31,540 lb**

Net: **43,760 lb**

NET (tons):

21.88 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out:

10/24/2022

11:10 AM

11:10 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (Print and Sign):

CIVETTA #105

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: **197610**

welcome to solid ground....
6197610

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **75,980 lb**

Tare: **31,540 lb**

Net: **44,420 lb**

NET (tons):

22.21 tn

NOTES:

#10648

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out: **11/1/2022**

Tare Time

12:02 PM

Gross Time

12:02 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #08

Truck Plate: **40849PC**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 197758

1

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1.57 Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,640 lb

Tare: 31,320 lb

Net: 47,320 lb

NET (tons):

23.66 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out:

11/14/2022

6:43 AM

6:43 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (optional):

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

199683

1

welcome to solid ground....

8199683

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,360 lb

Tare: 31,320 lb

Net: 44,040 lb

NET (tons):

22.02 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out

11/29/2022

Tare Time

1:03 PM

Gross Time

1:03 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: **199891**

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **78,300 lb**
Tare: **31,320 lb**
Net: **46,980 lb**

NET (tons):

23.48 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

12/2/2022

Tare Time

1:08 PM

Gross Time

1:08 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: **199892**

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **75,740 lb**
Tare: **31,000 lb**
Net: **44,740 lb**

NET (tons):

22.37 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

12/2/2022

Tare Time

1:08 PM

Gross Time

1:08 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

200834

welcome to ~~solid ground~~....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: **1.5" Clean Blue Stone**

#10540

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,880 lb

Tare: 31,320 lb

Net: 44,560 lb

NET (tons):

22.28 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

12/20/2022

6:43 AM

8:43 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PG

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

200837

1

welcome to ~~our~~ ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1 5" Clean Blue Stone

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,620 lb

Tare: 31,320 lb

Net: 47,300 lb

NET (tons):

23.65 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

12/28/2022

8:35 AM

8:35 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64800PG

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #:

200843

6200843

welcome to solid ground....

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

CRISTINA MORA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone
Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,300 lb

Tare: 31,320 lb

Net: 45,980 lb

NET (tons):

22.99 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

12/28/2022

10:48 AM

10:49 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

GIVETTA

Driver Name and Signature (conditional):

GIVETTA #01

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #:

200848
6200848

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT
Generator Name, Address and Telephone #:
IRRL

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):
Civetta USA

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10546

NOTES:

WEIGHTS

GROSS TARE (NET) (lb)

Tare: 31,320 lb

Net: 45,140 lb

NET (tons):

22.57 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

12/28/2022

Tare Time

1:45 PM

Gross Time

1:48 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA
CIVETTA #01

Driver Name and Signature (conditional):

64609PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #:

200849
0250849

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #:

TRAC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta USA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone

Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS TARE NET (lb)

Tare: 31,000 lb

Net: 44,880 lb

NET (tons):

22.44 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

12/20/2022

Tare Time

1:53 PM

Gross Time

1:52 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

201099

welcome to solid ground....

6201099
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 73,100 lb
Tare: 31,000 lb
Net: 42,100 lb

NET (tons):

21.05 tn

NOTES: **#10546**

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

1/4/2023

Tare Time

10:00 AM

Gross Time

10:00 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

201899
~~0201899~~

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Delta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 48,420 lb

Tare: 31,000 lb

Net: 17,420 lb

NET (tons):

24.21 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By Issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

1/18/2023

Tare Time

7:31 AM

Gross Time

7:31 AM

Date and Time in and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #

201902
6201902

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT
Generator Name, Address and Telephone #:
IRRC

1000 Page Ave.
Lyndhurst NJ, 07071

() -

Project Site (Description and Address):
Quetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,320 lbs

Tare: 31,000 lb

Net: 44,320 lb

NET (tons):

22.16 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/18/2023

10:25 AM

10:25 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
CIVETTA

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 201908

welcome to solid ground....

6201908

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 74,760 lb

Tare: 31,000 lb

Net: 43,760 lb

NET (tons):

21.88 tn

NOTES

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out: 1/19/2023

Tare Time

1:13 PM

Gross Time

1:13 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate: 29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

201918

welcome to solid ground....

6201918

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 74,980 lb

Tare: 31,000 lb

Net: 43,980 lb

NET (tons):

21.99 tn

NOTES:

#10346

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out: 1/20/2023

Tare Time

7:22 AM

Gross Time

7:22 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

201927

welcome to ~~solid ground~~....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,440 lb

Tare: 31,000 lb

Net: 47,440 lb

NET (tons):

23.72 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out: 1/20/2023

Tare Time

10:17 AM

Gross Time

10:18 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate: 29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

201937

welcome to solid ground....

Facility Registration # 121888
Permit CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,080 lb

Tare: 31,000 lb

Net: 44,080 lb

NET (tons):

22.04 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out

Tare Time

Gross Time

1/20/2023 12:50 PM

12:50 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate: 29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

201945

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: Blue Stone

#10545

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,820 lb

Tare: 31,320 lb

Net: 47,500 lb

NET (tons):

23.75 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

1/28/2023

8:44 AM

8:44 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA

Truck Plate:

64609PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

202111

1

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: **10' Clean Blue Stone**

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,160 lb

Tare: 31,320 lb

Net: 46,840 lb

NET (tons):

23.42 tn

#10648

NOTES

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out:

1/21/2023

8:41 AM

8:41 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (and ID):

Truck Plate:

84809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202149

welcome to ~~scale~~ ground....

Facility Registration # 121888
Permit CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification: ~~100% Clean Blue Stone~~

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 80,180 lb

Tare: 31,320 lb

Net: 48,840 lb

NET (tons):

24.42 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out:

1/27/2023

12:18 PM

12:18 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64608PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

202166

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: Blue Stone

#10548

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,720 lb

Tare: 31,320 lb

Net: 45,400 lb

NET (tons):

22.70 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Date and Time In and Out:

Tare Time	Gross Time
1/27/2023 3:29 PM	3:30 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-289-8800

Manifest #:

Ticket #

202170

welcome to ~~solid ground~~....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1 5" Clean Blue Stone

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 79,100 lb
Tare: 31,320 lb
Net: 47,780 lb

NET (tons):

23.89 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/30/2023

8:20 AM

8:20 AM

Date and Time in and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202194

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

CIVETTA MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
1.5" Clean Blue Stone

#10548

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,880 lb

Tare: 31,320 lb

Net: 47,560 lb

NET (tons):

23.78 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/30/2023

12:25 AM

12:28 AM

Date and Time in and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202227

6202227

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST OUT
IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone
Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,140 lb

Tare: 31,320 lb

Net: 45,820 lb

NET (tons):

22.91 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By Issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/30/2023

12:12 PM

12:15 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA
CIVETTA #01

Driver Name and Signature (conditional):

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #: 202252

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST, NJ
IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,920 lb

Tare: 31,320 lb

Net: 46,600 lb

NET (tons):

23.30 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

1/30/2023

2:30 PM

2:30 PM

Date and Time In and Out

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

GIVETTA #01

Driver Name and Signature (conditional):

04808PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202257

6202257
welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone
Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 81,560 lb

Tare: 31,320 lb

Net: 50,240 lb

NET (tons):

25.12 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

1/31/2023

8:49 AM

8:49 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

64609PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
831-269-8800

Manifest #:

Ticket #

202277

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,440 lb
Tare: 31,320 lb
Net: 46,120 lb

NET (tons):

23.06 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Christian F.

Date and Time in and Out:

1/31/2023

Time Time
9:32 AM

Gross Time
9:32 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 202300

welcome to solid ground....

6202300
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,200 lb

Tare: 31,320 lb

Net: 43,880 lb

NET (tons):

21.94 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

1/31/2023

Tare Time

12:58 PM

Gross Time

12:58 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
831-269-8800

Manifest #

Ticket #

202309

welcome to ~~solid ground~~....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 73,640 lb

Tare: 31,320 lb

Net: 42,320 lb

NET (tons):

21.16 tn

#10548

NOTES

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

1/31/2023

3:27 PM

3:27 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (Conditional):

Truck Plate:

84809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #:

202313

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IMRRG
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1 5" Clean Blue Stone

#10546

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 73,140 lb

Tare: 31,320 lb

Net: 41,820 lb

NET (tons):

20.91 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

2/1/2023

8:48 AM

8:40 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64609PG

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

202337

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: **Blue Stone**

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,320 lb

Tare: 31,320 lb

Net: 46,000 lb

NET (tons):

23.00 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

2/17/2023

11:30 AM

11:30 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (optional):

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202358
~~0202358~~

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071

Civetta MSA
Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

Gross 41,840 lb
GROSS/TARE/NET (lbs)
Tare: 31,320 lb
Net: 41,840 lb

NET (tons):
20.82 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/1/2023

Tare Time

2:35 PM

Gross Time

2:30 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

CIVETTA
Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

64609PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202376

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,580 lb
Tare: 31,320 lb
Net: 44,240 lb

NET (tons):

22.12 tn

NOTES

#10648

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

2/2/2023

Tare Time

10:46 AM

Gross Time

10:46 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #: 202388

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,020 lb
Tare: 31,320 lb
Net: 44,700 lb

NET (tons):

22.35 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

2/2/2023

Tare Time

12:54 PM

Gross Time

12:54 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64609PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

202400

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

8202400

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification: 10548 Blue Stone

#10548

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,360 lb

Tare: 31,320 lb

Net: 45,040 lb

NET (tons):

22.52 tn

Part 3

WEIGHT CERTIFICATION

Christen F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

2/2/2025

3:03 PM

3:03 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (optional):

CIVETTA

Truck Plate:

64609PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202419

welcome to solid ground....

6202419
Facility Registration #: 121888
Permit. CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5' Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,580 lb

Tare: 31,000 lb

Net: 46,580 lb

NET (tons):

23.29 tn

#10548

NOTES

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Tare Time

Gross Time

03/02/23 9:29 AM

9:29 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

1

Ticket #

202430

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

LYNDHURST-OUT

GENERATOR

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Civetta MSA

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES

WEIGHTS

Gross: 75,700 lb

GROSS/TARE/NET (lbs)

Net: 44,700 lb

NET (tons) 35 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/3/2023

Tare Time

11:43 AM

Gross Time

11:49 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

CIVETTA

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

6202436

202436

welcome to solid ground....

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1
LYNDHURST-OUT
HRC

GENERATOR

Civetta MSA

Generator Name, Address and Telephone #:

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

1.5" Clean Blue Stone

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#1064R

NOTES:

WEIGHTS

Gross: 70,400 lb
Tare: 31,000 lb
GROSS/TARE/NET (lbs)
Net: 45,400 lb

22.70 tn
NET (tons);

Christian F.

Tare Time

Gross Time

Part 3

WEIGHT CERTIFICATION

2/3/2006

1:49 PM

1:49 PM

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

CIVETTA

Name of Scale Operator:

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #: 202443

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: **57 Clean Blue Stone**

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 73,260 lb

Tare: 31,000 lb

Net: 42,260 lb

NET (tons):

21.13 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

Date and Time in and Out:

2/6/2025

6:43 AM

6:43 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL

Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202449

welcome to solid ground....

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Green Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 72,240 lb

Tare: 31,000 lb

Net: 41,240 lb

NET (tons):

20.62 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian E.

Date and Time In and Out:

2/5/2023

Tare Time

8:55 AM

Gross Time

8:58 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 202466

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 74,340 lb
Tare: 28,700 lb
Net: 45,640 lb

NET (tons):

22.82 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CHRISTIAN F.

Date and Time in and Out:

2/6/2023

Tare Time

11:28 AM

Gross Time

11:20 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202474

welcome to solid ground....
6202474

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Green Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,840 lb

Tare: 31,000 lb

Net: 46,840 lb

NET (tons):

23.42 tn

#10546

NOTES:

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Christian F.

Name of Scale Operator:

Date and Time In and Out:	Tare Time	Gross Time
2/6/2023	1:45 PM	1:45 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate: 29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202493

6202493

welcome to solid ground....

Facility Registration #: 121886
Permit CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

#1954A

NOTES

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,280 lb

Tare: 31,000 lb

Net: 45,280 lb

NET (tons):

22.64 tn

Christian E.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/7/2023

Tare Time

9:21 AM

Gross Time

9:21 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

202510

welcome to solid ground....

6202610

Facility Registration #: 121886

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,000 lb

Tare: 31,540 lb

Net: 46,460 lb

NET (tons):

23.23 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Tare Time

Gross Time

2/1/2005

12:04 PM

12:05 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA'S

Driver Name and Signature (conditional):

CIVETTA #06

40849PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

6202515
202515

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

LYNDHURST-OUT

Givetta MSA

Part 1

GENERATOR

1000 Page Ave.
Generator Name, Address and Telephone #:
Lyndhurst NJ, 07071

Project Site (Description and Address):

1.5" Clean Blue Stone

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
#10648

NOTES:

WEIGHTS

GROSS TARE/NET (lbs)
Gross: 22,200 lb
Tare: 11,800 lb
Net: 10,400 lb

NET (tons):

Christian F.

Tare Time

Gross Time

Part 3

WEIGHT CERTIFICATION

2/7/2023

12:50 PM

12:50 PM

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out:

Scale Operator Notes:

CIVETTA

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL

Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202523

welcome to solid ground....

6202523

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone

Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS TARE NET (lbs)

Tare: 31,320 lb

Net: 45,380 lb

NET (tons):

24.19 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/7/2023

Tare Time

1:00 PM

Gross Time

1:51 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #

202560

welcome to solid ground....

Facility Registration #: 121898
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES

WEIGHTS

GROSS TARE/NET (lbs)
Tare: 31,540 lb
Net: 42,820 lb

NET (tons):
21.41 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

2/6/2023

Tare Time

7:25 AM

Gross Time

7:26 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

CIVETTA 5

Transporter Name, Address and Permit #:

CIVETTA #06

Driver Name and Signature (conditional):

40849PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

202629

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-CHT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

LYNDHURST-CHT

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,900 lb

Tare: 31,540 lb

Net: 45,360 lb

NET (tons):

22.68 tn

Christen F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/6/2025

Time Time

10:49 AM

Gross Time

10:49 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

CIVETTA #06

Driver Name and Signature (conditional):

40849PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 202711

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002
6202711

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

NOTES

#10548

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,060 lb
Tare: 31,540 lb
Net: 44,520 lb

NET (tons):

22.26 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christen F.

Date and Time in and Out:

2/6/2023

Tare Time
1:53 PM

Gross Time
1:53 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 5

Driver Name and Signature (conditional):

CIVETTA #05

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

202763

6202763

welcome to solid ground....

Facility Registration #: 121886
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC

1000 Page Ave.

Lyndhurst NJ 07071

() -

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

GROSS TARE NET (lbs)

Tare: 31,320 lb

Net: 44,220 lb

NET (tons):

22.11 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

2/9/2023

Tare Time

8:05 AM

Gross Time

8:08 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

CIVETTA

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

C4809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #: 202852

welcome to ~~solid~~ ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-001
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1/2" Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 80,920 lb

Tare: 31,320 lb

Net: 49,600 lb

NET (tons):

24.80 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

2/9/2023

11:07 AM

11:07 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

64808PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

1

Ticket #

8202943
202943

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 **LYNDHURST-OUT**

GENERATOR

Civetta MSA

Generator Name, Address and Telephone #:
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10546

NOTES:

WEIGHTS

Gross: 77,800 lb
GROSS/TARE/NET (lbs)
Tare: 31,520 lb
Net: 46,280 lb

NET (Tons) 14 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Tare Time

Gross Time

2/9/2023

2:00 PM

2:00 PM

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time in and Out:

Scale Operator Notes:

Part 4

CIVETTA

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

203046

welcome to ~~solid~~ ground....

Facility Registration #: 121886
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1 1/2" Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,260 lb

Tare: 31,320 lb

Net: 44,940 lb

NET (tons):

22.47 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

2/10/2023

9:24 AM

9:24 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

84608PG

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #: 203148

welcome to ~~solid ground~~...

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1.7 Clean Blue Stone

#10648

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,480 lb

Tare: 31,320 lb

Net: 44,160 lb

NET (tons):

22.08 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

2/10/2023

12:59 PM

1:00 PM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA MSA

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #

203232

welcome to solid ground....

Facility Registration #: 121888

Permit: CBG070002

6203232

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.

Project Site (Description and Address):

Civetta MSA

Part 2

Lyndhurst NJ, 07071

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

NOTES

#10548

WEIGHTS

GROSS/TARE/NET (lbs)

NET (tons):

Gross: 77,920 lb
Tare: 31,320 lb
Net: 46,600 lb

23.30 tn

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

Tare Time

Gross Time

2/13/2023

8:01 AM

8:01 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (Conditional):

CIVETTA #01

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

64808PC

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket # 203282

welcome to solid ground....

6203282
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 80,280 lb

Tare: 31,320 lb

Net: 48,960 lb

NET (tons):

24.48 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Christian F.

Date and Time in and Out: 2/13/2023

Tare Time
10:38 AM

Gross Time
10:38 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #:

203359

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

Facility Registration # 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 77,040 lb
Tare: 31,320 lb
Net: 45,720 lb

NET (tons):

22.86 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian F.

Date and Time In and Out:

2/13/2023

Tare Time:

1:46 PM

Gross Time:

1:46 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

Truck Plate:

64809PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #

203415

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1.57 Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 80,700 lb

Tare: 31,320 lb

Net: 49,380 lb

NET (tons):

24.69 tn

Part 3

WEIGHT CERTIFICATION

Christian F.

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

2/14/2023

7:30 AM

7:30 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA MSA

Truck Plate:

64809PG

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material loaded and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

1

Ticket #

203454

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Civetta MSA

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10646

NOTES:

WEIGHTS

Gross: 80,580 lb
GROSS/TARE/NET (lbs)
Tare: 31,000 lb
Net: 49,580 lb

NET (tons):
24.79 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: 2/14/2023

Tare Time

8:43 AM

Gross Time

8:43 AM

Date and Time In and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

CIVETTA

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

203508

welcome to solid ground....

Facility Registration #: 121886
Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #:

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Civetta MSA

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

Gross: 78,340 lb
GROSS/TARE/NET (lbs)

Tare: 31,320 lb

Net: 47,020 lb

NET (tons) 10.51 tn

Christian F.

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator 2/14/2023

Tare Time

10:46 AM

Gross Time

10:46 AM

Date and Time in and Out:

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

CIVETTA

Transporter Name, Address and Permit #:

CIVETTA #01

Driver Name and Signature (conditional):

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #:

203529

welcome to solid ground....

8203529

Facility Registration #: 121888

Permit: CBG070002

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,420 lb

Tare: 31,000 lb

Net: 44,420 lb

NET (tons):

22.21 tn

NOTES

#10648

Part 3

WEIGHT CERTIFICATION

Christian F.

Name of Scale Operator:

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Tare Time

Gross Time

Date and Time In and Out

8/14/2023

11:37 AM

11:37 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

205293

welcome to 6205293 bound...

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: 1 5' Clean Blue Stone

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,560 lb

Tare: 31,320 lb

Net: 45,240 lb

NET (tons)

22.62 tn

Part 3

WEIGHT CERTIFICATION

Christian F. #31778

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

3/7/2023

9:01 AM

9:02 AM

Date and Time In and Out:

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA

Driver Name and Signature (conditional):

CIVETTA #01

64809PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

6205346
205346

welcome to solid ground...

Impact Environmental is a member of the
Solid Waste Association of America

SCALE TICKET

Part 1 **LYNDHURST-OUT**

GENERATOR

Civetta MSA

Generator Name, Address and Telephone #:

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

1.5" Clean Blue Stone

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10646

NOTES:

WEIGHTS

Gross: 51,320 lb

Tare: 31,000 lb
GROSS/TARE/NET (lbs)
Net: 50,320 lb

25.16 tn
NET (tons):

Joe V #32885

Part 3

WEIGHT CERTIFICATION

3/8/2023

Tare Time
7:01 AM

Gross Time
7:01 AM

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Name of Scale Operator

Date and Time In and Out:

Scale Operator Notes:

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Part 4

CIVETTA 2

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

205363

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground

6205363

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 81,280 lb

Tare: 28,700 lb

Net: 52,580 lb

NET (tons):

28.28 tn

NOTES:

#10548

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Joe V #32685

Name of Scale Operator:

Tare Time

Gross Time

Date and Time In and Out: 3/8/2023

9:23 AM

9:23 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

Truck Plate:

29103PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL Class B Recycling Facility

Manifest #

Ticket #

205388

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to recyclingland

6206388

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

15' Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 81,040 lb

Tare: 31,000 lb

Net: 50,040 lb

NET (tons):

25.02 tn

Part 3

WEIGHT CERTIFICATION

Joe V #32885

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

3/8/2023

11:45 AM

11:45 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

205410

1 welcome to 6208410 and

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address, and Telephone #:

LYNDHURST, NJ
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1 1/2" Clean Blue Stone

#10548

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 80,820 lb

Tare: 31,000 lb

Net: 49,820 lb

NET (tons):

24.91 tn

Part 3

WEIGHT CERTIFICATION

Joe V #32885

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

3/8/2025

1:05 PM

1:55 PM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

205443

1600 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground

6205443

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 79,700 lb
Tare: 31,000 lb
Net: 48,700 lb

NET (tons):

24.35 tn

NOTES: #10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the Scale Operator Notes section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Christian E. #31778

Date and Time In and Out:

3/9/2023

Tare Time

8:36 AM

Gross Time

8:37 AM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #

Ticket #

02054863

welcome to solid ground

SCALE TICKET

Part 1

LYNDHURST-OUT

GENERATOR

Generator Name, Address and Telephone #:

1000 Page Ave.
Lyndhurst NJ, 07071
() -

Civetta MSA

Project Site (Description and Address):

Part 2

1.5" Clean Blue Stone MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES:

WEIGHTS

Gross: 70,380 lb
GROSS/TARE/NET (lbs)
Tare: 31,000 lb
Net: 48,380 lb

NET 201.9 tn

Christian F. #31778

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Tare Time

Gross Time

Name of Scale Operator: 3/8/2023

12:50 PM

12:50 PM

Date and Time In and Out

Scale Operator Notes

Part 4

CIVETTA 2

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206024

1000 Page Average
Lyndhurst, New Jersey 07037
856-269-8000

1

6206024

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **76,620 lb**

Tare: **31,540 lb**

Net: **45,080 lb**

NET (tons)

22.64 tn

NOTES

#10548

Part 3

WEIGHT CERTIFICATION

Christen F. #31778

Name of Scale Operator

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Tare Time

Gross Time

Date and Time In and Out

3/21/2023

8:00 AM

8:01 AM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA 5

Driver Name and Signature (conditional):

CIVETTA #05

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL

Class B Recycling Facility

Manifest #

1

Ticket #

620609797

1000 Page Ave.
Lyndhurst, New Jersey 07037
201-268-8800

SCALE TICKET

Part 1

GENERATOR

LYNDHURST-OUT

Generator Name, Address and Telephone #

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Civetta MSA

Project Site (Description and Address)

Part 2

1.5" Clean Blue Stone

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

#10548

NOTES

WEIGHTS

Gross: 79,950 lb
GROSS TARE NET (lbs)
Tare: 31,540 lb
Net: 48,420 lb

NET (tons)
24.21 tn

Part 3

WEIGHT CERTIFICATION

Christian F. #31778

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

3/21/2023

Tare Time

10:27 AM

Gross Time

10:58 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

CIVETTA 5

Transporter Name, Address and Permit #

CIVETTA #06

Driver Name and Signature (conditional):

40849PC

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206169

1000 Page Avenue
Lyndhurst, New Jersey 07037
609-264-5800

1

6206169

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address)

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,780 lb
Tare: 31,540 lb
Net: 44,220 lb

NET (tons)

22.11 tn

NOTES

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Christian F. #31778

Date and Time In and Out

3/21/2023

Tare Time
2:05 PM

Gross Time
2:05 PM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA 5

Driver Name and Signature (conditional):

CIVETTA #05

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206212

1000 Page Avenue
Lyndhurst, New Jersey 07037
631-269-5802

SCALE TICKET

6208212

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address)

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

NET (tons)

Gross: 74,720 lb
Tare: 31,540 lb
Net: 43,180 lb

21.59 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

TANYA M #31750

Date and Time In and Out

3/22/2023

Tare Time

9:08 AM

Gross Time

9:08 AM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 05

Driver Name and Signature (conditional):

CIVETTA #06

Truck Plate

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206273

1000 Page Avenue
Lyndhurst, New Jersey, 07037
631-249-8800

SCALE TICKET¹

6206273

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 75,260 lb
Tare: 31,540 lb
Net: 43,720 lb

NET (tons):

21.86 tn

NOTES

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

TANYA M #31750

Date and Time In and Out

3/22/2023

Tare Time

12:49 PM

Gross Time

12:49 PM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA 05

Driver Name and Signature (conditional):

CIVETTA #06

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206446

1

welcome to solid waste
6206446

IMPACT ENVIRONMENTAL
4700 HUNTERDON AVE. SUITE 100
LYNDHURST, NJ 07037
609-260-8800

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address)

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 76,500 lb

Tare: 31,540 lb

Net: 44,960 lb

NET (tons):

22.48 tn

NOTES

#10546

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the **bed** cover on the truck.

Name of Scale Operator

TANYA M #31750

Date and Time In and

3/27/2023

Tare Time

2:10 PM

Gross Time

2:11 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA 05

Driver Name and Signature (conditional):

CIVETTA #05

Truck Plate:

40849PC

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

206476

1

6206476

1000 Page Avenue
Lyndhurst, New Jersey 07071
609-262-8800

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT
IRRC
1000 Page Ave.
Lyndhurst NJ, 07071
() -

Project Site (Description and Address)

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,540 lb
Tare: 31,540 lb
Net: 47,000 lb

NET (tons)

23.50 tn

NOTES **#10546**

Part 3

WEIGHT CERTIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

TANYA M #31750

Date and Time In and **3/28/2023**

Tare Time

11:00 AM

Gross Time

11:00 AM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #

CIVETTA 05

Driver Name and Signature (conditional)

CIVETTA #05

Truck Plate: **40849PC**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst New Jersey 07071
631-269-8800

Manifest #:

1

Ticket #

206871

6206871

welcome to solid waste

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST OUT
IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

1.5" Clean Blue Stone
Classification of Material:

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **77,980 lb**

Tare: **31,000 lb**

Net: **46,980 lb**

NET (tons):

23.49 tn

Part 3

WEIGHT CERTIFICATION

Christan F. #31778

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Tare Time

Gross Time

4/5/2023

9:09 AM

9:09 AM

Date and Time In and Out

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

29103PF

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #

208619

1000 Page Avenue
Lyndhurst, New Jersey 07037
631-269-5800

1

welcome to solid ground
6208619

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5" Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **75,640 lb**

Tare: **31,000 lb**

Net: **44,640 lb**

NET (tons):

22.32 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Christian F. #31778

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

Date and Time In and Out

4/25/2023

10:38 AM

10:38 AM

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

Truck Plate: **29103PF**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

208730

1000 Page Avenue
Lyndhurst New Jersey 07071
631-269-8800

1

welcome to solid waste
6208730

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #:

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

1.5 Clean Blue Stone

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: **77,980 lb**

Tare: **31,000 lb**

Net: **46,980 lb**

NET (tons):

23.49 tn

NOTES:

#10546

Part 3

WEIGHT CERTIFICATION

Christian F. #31778

Name of Scale Operator

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Tare Time

Gross Time

Date and Time In and Out

2:04 PM

2:05 PM

Scale Operator Notes:

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

Truck Plate: **29103PF**

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL



IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #

Ticket #

209221

1000 Page Avenue
Lyndhurst, New Jersey 07037
631-269-8800

Welcome **6209221** from 1

SCALE TICKET

Part 1

GENERATOR

Generator Name, Address and Telephone #

LYNDHURST-OUT

IRRC

1000 Page Ave.

Lyndhurst NJ, 07071

() -

Project Site (Description and Address):

Civetta MSA

Part 2

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material

1.5" Clean Blue Stone

#10546

NOTES:

WEIGHTS

GROSS/TARE/NET (lbs)

Gross: 78,020 lb

Tare: 31,000 lb

Net: 47,020 lb

NET (tons)

23.51 tn

Part 3

WEIGHT CERTIFICATION

Christian F. #31778

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator

Tare Time

Gross Time

5/1/2023

7:18 AM

7:19 AM

Date and Time In and Out

Scale Operator Notes

Part 4

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CIVETTA 2

Driver Name and Signature (conditional):

Truck Plate:

29103PF

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

,

Ticket #: 6209543

Date: 5/3/2023

Time: 1:23 PM

Order: 279 - 1 Java St
Customer: Civetta - Civetta Cousins
Product: 1.5" Bluestone - Bluestone
Truck: 40849PC - Civetta
PO #:
Job #: 16590

DRIVER DELIVERY LOCATION

TICKET NOTE

	Tons	Pounds	M-Tons	
Gross:	36.94	73,880	33.51	Loads Today: 1
Tare:	15.77	31,540	14.31	Units Today: 21.17
Net:	21.17	42,340	19.21	

WEIGHMASTER: Joe V #32685

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/11/2023
Time: 8:30:24 AM

Ticket #: 6210412

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.84	77,680
Tare:	15.50	31,000
Net:	23.34	46,680

Loads Today: 1
Units Today: 23.34

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/11/2023
Time: 8:30:24 AM

Ticket #: 6210412

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.84	77,680
Tare:	15.50	31,000
Net:	23.34	46,680

Loads Today: 1
Units Today: 23.34

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/16/2023
Time: 8:05:11 AM

Ticket #: 6210837

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.08	76,160
Tare:	15.77	31,540
Net:	22.31	44,620

Loads Today 1
Units Today 22.31

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER Christan F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/16/2023
Time: 8:05:11 AM

Ticket #: 6210837

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.08	76,160
Tare:	15.77	31,540
Net:	22.31	44,620

Loads Today 1
Units Today 22.31

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER Christan F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/16/2023

Time: 11:49:44 AM

Ticket #: 6210890

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.54	77,080
Tare:	15.77	31,540
Net:	22.77	45,540

Loads Today 2
Units Today 45.08

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/16/2023

Time: 11:49:44 AM

Ticket #: 6210890

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.54	77,080
Tare:	15.77	31,540
Net:	22.77	45,540

Loads today 2
Units Today 45.08

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/18/2023
Time: 8:04:19 AM

Ticket #: 6211133

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.06	76,120
Tare:	15.77	31,540
Net:	22.29	44,580

Loads Today: 1
Units Today: 22.29

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 5/18/2023
Time: 8:04:19 AM

Ticket #: 6211133

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.06	76,120
Tare:	15.77	31,540
Net:	22.29	44,580

Loads Today: 1
Units Today: 22.29

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	39.41	78,820
Tare:	15.77	31,540
Net:	23.64	47,280

Loads Today 2
Units Today 45.93

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

Date: 5/18/2023

Time: 11:13:41 AM

Ticket #: 6211228

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	39.41	78,820
Tare:	15.77	31,540
Net:	23.64	47,280

Loads Today 2
Units Today 45.93

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

Date: 5/18/2023

Time: 11:13:41 AM

Ticket #: 6211228

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 6:48:06 AM

Ticket #: 6211343

Ticket Note

Company Message

	Tons	Pounds
Gross:	39.94	79,880
Tare:	15.50	31,000
Net:	24.44	48,880

Loads Today: 1
Units Today: 24.44

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 6:48:06 AM

Ticket #: 6211343

Ticket Note

Company Message

	Tons	Pounds
Gross:	39.94	79,880
Tare:	15.50	31,000
Net:	24.44	48,880

Loads Today: 1
Units Today: 24.44

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 9:31:31 AM

Ticket #: 6211418

Ticket Note

Company Message

	Tons	Pounds
Gross:	39.09	78,180
Tare:	15.50	31,000
Net:	23.59	47,180

Loads Today 2
Units Today 48.03

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Christan F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 9:31:31 AM

Ticket #: 6211418

Ticket Note

Company Message

	Tons	Pounds
Gross:	39.09	78,180
Tare:	15.50	31,000
Net:	23.59	47,180

Loads Today 2
Units Today 48.03

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Christan F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 1:08:15 PM

Ticket #: 6211534

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.72	75,440
Tare:	15.50	31,000
Net:	22.22	44,440

Loads Today: 3
Units Today: 70.25

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778 _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 5/19/2023
Time: 1:08:15 PM

Ticket #: 6211534

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.72	75,440
Tare:	15.50	31,000
Net:	22.22	44,440

Loads today: 3
Units Today: 70.25

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778 _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	38.08	76,160
Tare:	15.77	31,540
Net:	22.31	44,620

Loads Today: 1
Units Today: 22.31

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

Date: 6/1/2023
Time: 2:10:38 PM

Ticket #: 6212727

Ticket Note

Company Message

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	38.08	76,160
Tare:	15.77	31,540
Net:	22.31	44,620

Loads Today: 1
Units Today: 22.31

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan F. #31778

Date: 6/1/2023
Time: 2:10:38 PM

Ticket #: 6212727

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023
Time: 8:00:52 AM

Ticket #: 6213069

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.70	75,400
Tare:	15.77	31,540
Net:	21.93	43,860

Loads Today: 1
Units Today: 21.93

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023
Time: 8:00:52 AM

Ticket #: 6213069

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.70	75,400
Tare:	15.77	31,540
Net:	21.93	43,860

Loads Today: 1
Units Today: 21.93

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023

Time: 10:34:31 AM

Ticket #: 6213097

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.73	75,460
Tare:	15.77	31,540
Net:	21.96	43,920

Loads Today: 2
Units Today: 43.89

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023

Time: 10:34:31 AM

Ticket #: 6213097

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.73	75,460
Tare:	15.77	31,540
Net:	21.96	43,920

Loads Today: 2
Units Today: 43.89

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023
Time: 1:42:16 PM

Ticket #: 6213134

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.90	77,800
Tare:	15.77	31,540
Net:	23.13	46,260

Loads Today: 3
Units Today: 67.02

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 19122
Customer: Olivera Construction Corp.
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/8/2023
Time: 1:42:16 PM

Ticket #: 6213134

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.90	77,800
Tare:	15.77	31,540
Net:	23.13	46,260

Loads Today: 3
Units Today: 67.02

DRIVER DELIVERY LOCATION

WEIGHMASTER

Christan F. #31778

DRIVER SIGNATURE

SITE SIGNATURE

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/6/2023
Time: 2:14:32 PM

Ticket #: 6212915

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.63	75,260
Tare:	15.77	31,540
Net:	21.86	43,720

Loads Today 1
Units Today 21.86

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778 _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/6/2023
Time: 2:14:32 PM

Ticket #: 6212915

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.63	75,260
Tare:	15.77	31,540
Net:	21.86	43,720

Loads Today 1
Units Today 21.86

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

WEIGHMASTER Christian F. #31778 _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/7/2023
Time: 8:35:00 AM

Ticket #: 6212960

Ticket Note

	Tons	Pounds
Gross:	37.03	74,060
Tare:	15.77	31,540
Net:	21.26	42,520

Loads Today: 1
Units Today: 21.26

Company Message

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/7/2023
Time: 8:35:00 AM

Ticket #: 6212960

Ticket Note

	Tons	Pounds
Gross:	37.03	74,060
Tare:	15.77	31,540
Net:	21.26	42,520

Loads Today: 1
Units Today: 21.26

Company Message

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/7/2023
Time: 1:11:14 PM

Ticket #: 6213015

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.92	77,840
Tare:	15.77	31,540
Net:	23.15	46,300

Loads Today: 2
Units Today: 44.41

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 1.5" Bluestone

Date: 6/7/2023
Time: 1:11:14 PM

Ticket #: 6213015

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.92	77,840
Tare:	15.77	31,540
Net:	23.15	46,300

Loads Today: 2
Units Today: 44.41

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	38.09	76,180
Tare:	15.50	31,000
Net:	22.59	45,180

Loads Today 1
Units Today 22.59

Date: 6/9/2023
Time: 7:33:21 AM

Ticket #: 6213153

Ticket Note

Company Message

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	38.09	76,180
Tare:	15.50	31,000
Net:	22.59	45,180

Loads Today 1
Units Today 22.59

Date: 6/9/2023
Time: 7:33:21 AM

Ticket #: 6213153

Ticket Note

Company Message

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER Christian F. #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 6/9/2023
Time: 11:36:35 AM

Ticket #: 6213174

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.10	76,200
Tare:	15.50	31,000
Net:	22.60	45,200

Loads Today 2
Units Today 45.19

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER Christian F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

Date: 6/9/2023
Time: 11:36:35 AM

Ticket #: 6213174

Ticket Note

Company Message

	Tons	Pounds
Gross:	38.10	76,200
Tare:	15.50	31,000
Net:	22.60	45,200

Loads Today 2
Units Today 45.19

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER Christian F. #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	37.85	75,700
Tare:	15.66	31,320
Net:	22.19	44,380

Loads Today 1
Units Today 22.19

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian. F #31778

Date: 6/26/2023
Time: 8:07:02 AM

Ticket #: 6214066

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	37.85	75,700
Tare:	15.66	31,320
Net:	22.19	44,380

Loads Today 1
Units Today 22.19

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christian. F #31778

Date: 6/26/2023
Time: 8:07:02 AM

Ticket #: 6214066

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 6/26/2023
Time: 11:16:57 AM

Ticket #: 6214073

Ticket Note

Company Message

	Tons	Pounds
Gross:	35.74	71,480
Tare:	15.66	31,320
Net:	20.08	40,160

Loads Today 2
Units Today 42.27

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Christian. F #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 6/26/2023
Time: 11:16:57 AM

Ticket #: 6214073

Ticket Note

Company Message

	Tons	Pounds
Gross:	35.74	71,480
Tare:	15.66	31,320
Net:	20.08	40,160

Loads Today 2
Units Today 42.27

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Christian. F #31778

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 7/24/2023
Time: 2:28:53 PM

Ticket #: 6215071

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.57	75,140
Tare:	15.66	31,320
Net:	21.91	43,820

Loads Today 1
Units Today 21.91

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 7/24/2023
Time: 2:28:53 PM

Ticket #: 6215071

Ticket Note

Company Message

	Tons	Pounds
Gross:	37.57	75,140
Tare:	15.66	31,320
Net:	21.91	43,820

Loads Today 1
Units Today 21.91

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center

1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: 40849PC- Civetta5
PO #:
Product: 3/4" Bluestone

Date: 8/23/2023

Time: 2:15:44 PM

Ticket #: 6217106

Ticket Note

	Tons	Pounds
Gross:	38.84	77,680
Tare:	15.77	31,540
Net:	23.07	46,140

Loads Today: 1

Units Today: 23.07

Company Message

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER

Christan. F #31778

DRIVER SIGNATURE

SITE SIGNATURE



Job #: 16590
Customer: Civetta Cousins
Truck: AS211A- Cuenca Coronel47
PO #:
Product: 3/4" Bluestone

Date: 12/5/2023
Time: 8:10:42 AM

Ticket #: 6222181

[Ticket Note](#)

	Tons	Pounds
Gross:	39.36	78,720
Tare:	14.60	29,200
Net:	24.76	49,520

Loads Today: 1
Units Today: 24.76

[Company Message](#)

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER Christian. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #: 16590
Customer: Civetta Cousins
Truck: AS211A- Cuenca Coronel47
PO #:
Product: 3/4" Bluestone

Date: 12/5/2023
Time: 8:10:42 AM

Ticket #: 6222181

[Ticket Note](#)

	Tons	Pounds
Gross:	39.36	78,720
Tare:	14.60	29,200
Net:	24.76	49,520

Loads Today: 1
Units Today: 24.76

[Company Message](#)

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER Christian. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center
1000 Page Ave
Lyndhurst, NJ 07071



Job #: 16590
Customer: Civetta Cousins
Truck: AU664P- Cuenca Coronel10
PO #:
Product: 3/4" Bluestone

Date: 12/5/2023
Time: 9:11:01 AM
Ticket #: 6222193

Ticket Note

	Tons	Pounds
Gross:	39.35	78,700
Tare:	14.52	29,040
Net:	24.83	49,660

Company Message

Loads Today: 2
Units Today: 49.59

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Reuse and Recovery Center
1000 Page Ave
Lyndhurst, NJ 07071



Job #:	16590
Customer:	Civetta Cousins
Truck:	AT187F- Cuenca Coronel42
PO #:	
Product:	3/4" Bluestone

Date: 12/5/2023	Ticket #: 6222194
Time: 9:12:20 AM	

Ticket Note

	Tons	Pounds
Gross:	36.01	72,020
Tare:	14.28	28,560
Net:	21.73	43,460

Company Message

Loads Today: 3
Units Today: 71.32

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christan. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223476

Time: 8:05:47 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	36.19	72,380
Tare:	15.50	31,000
Net:	20.69	41,380
Loads Today: 1		
Units Today: 20.69		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christian. F #31778

DRIVER SIGNATURE _____
SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223476

Time: 8:05:47 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	36.19	72,380
Tare:	15.50	31,000
Net:	20.69	41,380
Loads Today: 1		
Units Today: 20.69		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christian. F #31778

DRIVER SIGNATURE _____
SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223494

Time: 10:20:13 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	37.18	74,360
Tare:	15.50	31,000
Net:	21.68	43,360

Loads Today: 2

Units Today: 42.37

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Christian. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223494

Time: 10:20:13 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	37.18	74,360
Tare:	15.50	31,000
Net:	21.68	43,360

Loads Today: 2

Units Today: 42.37

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Christian. F #31778

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223516

Time: 12:50:16 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	36.43	72,860
Tare:	15.50	31,000
Net:	20.93	41,860
Loads Today: 3		
Units Today: 63.30		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christian. F #31778

DRIVER SIGNATURE _____
SITE SIGNATURE _____



Job #:

16590

Customer:

Civetta Cousins

Truck:

29103PF- Civetta2

PO #:

Product:

1.5" Bluestone

Date: 1/3/2024

Ticket #: 6223516

Time: 12:50:16 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	36.43	72,860
Tare:	15.50	31,000
Net:	20.93	41,860
Loads Today: 3		
Units Today: 63.30		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER
Christian. F #31778

DRIVER SIGNATURE _____
SITE SIGNATURE _____

Imported Materials Documentation:
Impact Materials - Jersey City
(Provided Separately)



Job #: 20182

Customer: Civetta Cousins

Truck: AT106E- Cuenca Coronel32

PO #:

Product: 3/4 Stone

Date: 4/17/2024

Time: 8:30:17 AM

Ticket #: 100043443

[Ticket Note](#)

	Tons	Pounds
Gross:	37.82	75,640
Tare:	14.31	28,620
Net:	23.51	47,020
Loads Today: 1		
Units Today: 23.51		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE _____
SITE SIGNATURE _____



Job #: 20182

Customer: Civetta Cousins

Truck: AT106E- Cuenca Coronel32

PO #:

Product: 3/4 Stone

Date: 4/17/2024

Time: 8:30:17 AM

Ticket #: 100043443

[Ticket Note](#)

	Tons	Pounds
Gross:	37.82	75,640
Tare:	14.31	28,620
Net:	23.51	47,020
Loads Today: 1		
Units Today: 23.51		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE _____
SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AU925U- Cuenca Coronel7

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043446

Time: 9:51:28 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.29	76,580
Tare:	13.99	27,980
Net:	24.30	48,600
Loads Today:		2
Units Today:		47.81

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AU925U- Cuenca Coronel7

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043446

Time: 9:51:28 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.29	76,580
Tare:	13.99	27,980
Net:	24.30	48,600
Loads Today:		2
Units Today:		47.81

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AS465Z- Cuenca Coronel69

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043447

Time: 9:58:32 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	40.11	80,220
Tare:	14.59	29,180
Net:	25.52	51,040
Loads Today: 3		
Units Today: 73.33		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AS465Z- Cuenca Coronel69

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043447

Time: 9:58:32 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	40.11	80,220
Tare:	14.59	29,180
Net:	25.52	51,040
Loads Today: 3		
Units Today: 73.33		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AY202W- Cuenca Coronel82

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043453

Time: 10:52:58 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	37.17	74,340
Tare:	13.63	27,260
Net:	23.54	47,080
Loads Today:		4
Units Today:		96.87

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE



Job #:

20182

Customer:

Civetta Cousins

Truck:

AY202W- Cuenca Coronel82

PO #:

Product:

3/4 Stone

Date: 4/17/2024

Ticket #: 100043453

Time: 10:52:58 AM

[Ticket Note](#)

	Tons	Pounds
Gross:	37.17	74,340
Tare:	13.63	27,260
Net:	23.54	47,080
Loads Today:		4
Units Today:		96.87

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE



Job #: 20182

Customer: Civetta Cousins

Truck: AW354N- Cuenca Coronel2

PO #:

Product: 3/4 Stone

Date: 4/18/2024

Time: 2:19:28 PM

Ticket #: 100043574

[Ticket Note](#)

	Tons	Pounds
Gross:	39.53	79,060
Tare:	13.88	27,760
Net:	25.65	51,300
Loads Today: 1		
Units Today: 25.65		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE



Job #: 20182

Customer: Civetta Cousins

Truck: AW354N- Cuenca Coronel2

PO #:

Product: 3/4 Stone

Date: 4/18/2024

Time: 2:19:28 PM

Ticket #: 100043574

[Ticket Note](#)

	Tons	Pounds
Gross:	39.53	79,060
Tare:	13.88	27,760
Net:	25.65	51,300
Loads Today: 1		
Units Today: 25.65		

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE



Job #:

20182

Customer:

Civetta Cousins

Truck:

AW541W- Cuenca Coronel77

PO #:

Product:

3/4 Stone

Date: 4/18/2024

Ticket #: 100043576

Time: 2:33:41 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.85	77,700
Tare:	14.14	28,280
Net:	24.71	49,420

Loads Today: 2

Units Today: 50.36

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AW541W- Cuenca Coronel77

PO #:

Product:

3/4 Stone

Date: 4/18/2024

Ticket #: 100043576

Time: 2:33:41 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.85	77,700
Tare:	14.14	28,280
Net:	24.71	49,420

Loads Today: 2

Units Today: 50.36

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 20182
Customer: Civetta Cousins
Truck: AS211A- Cuenca Coronel47
PO #:
Product: 3/4 Stone

Date: 4/19/2024

Time: 9:22:22 AM

Ticket #: 100043593

Ticket Note

	Tons	Pounds
Gross:	40.36	80,720
Tare:	14.60	29,200
Net:	25.76	51,520

Loads Today: 1

Units Today: 25.76

Company Message

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 20182
Customer: Civetta Cousins
Truck: AS469U- Cuenca Coronel65
PO #:
Product: 3/4 Stone

Date: 4/19/2024

Time: 9:26:43 AM

Ticket #: 100043594

Ticket Note

	Tons	Pounds
Gross:	40.25	80,500
Tare:	14.10	28,200
Net:	26.15	52,300

Company Message

Loads Today: 2

Units Today: 51.91

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER

Leticia A. #32429

DRIVER SIGNATURE

SITE SIGNATURE

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 20182
Customer: Civetta Cousins
Truck: AY146Z- Cuenca Coronel84
PO #:
Product: 3/4 Stone

	Tons	Pounds
Gross:	39.50	79,000
Tare:	14.01	28,020
Net:	25.49	50,980

Loads Today: 3
Units Today: 77.40

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

Date: 4/19/2024

Time: 10:53:43 AM

Ticket #: 100043609

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #:	20182
Customer:	Civetta Cousins
Truck:	AU489M- Cuenca Coronel12
PO #:	
Product:	3/4 Stone

	Tons	Pounds
Gross:	39.49	78,980
Tare:	14.42	28,840
Net:	25.07	50,140

Loads Today: 4
Units Today: 102.47

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Leticia A. #32429

Date: 4/19/2024	Ticket #: 100043615
Time: 11:10:48 AM	

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

at Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 20182
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 3/4 Stone

Date: 7/18/2024

Time: 8:32:20 AM

Ticket #: 100046254

Ticket Note

	Tons	Pounds
Gross:	39.16	78,320
Tare:	15.50	31,000
Net:	23.66	47,320

Company Message

Loads Today: 1
Units Today: 23.66

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER

Tanya#31750

DRIVER SIGNATURE

SITE SIGNATURE

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 20182
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 3/4 Stone

	Tons	Pounds
Gross:	37.43	74,860
Tare:	15.50	31,000
Net:	21.93	43,860

Loads Today: 2
Units Today: 45.59

6082

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

WEIGHMASTER

Tanya#31750

Date: 7/18/2024

Time: 11:21:37 AM

Ticket #: 100046266

Ticket Note

Company Message

DRIVER SIGNATURE

SITE SIGNATURE



Job #:

20182

Customer:

Civetta Cousins

Truck:

AY202W- Cuenca Coronel82

PO #:

Product:

3/4 Stone

Date: 7/18/2024

Ticket #: 100046274

Time: 2:31:03 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.41	76,820
Tare:	13.63	27,260
Net:	24.78	49,560
Loads Today:		3
Units Today:		70.37

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Tanya#31750

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AY202W- Cuenca Coronel82

PO #:

Product:

3/4 Stone

Date: 7/18/2024

Ticket #: 100046274

Time: 2:31:03 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	38.41	76,820
Tare:	13.63	27,260
Net:	24.78	49,560
Loads Today:		3
Units Today:		70.37

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER Tanya#31750

DRIVER SIGNATURE _____

SITE SIGNATURE _____



Job #:

20182

Customer:

Civetta Cousins

Truck:

AU760A- Cuenca Coronel74

PO #:

Product:

3/4 Stone

Date: 7/18/2024

Ticket #: 100046275

Time: 2:41:01 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	39.84	79,680
Tare:	14.29	28,580
Net:	25.55	51,100
Loads Today:		4
Units Today:		95.92

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Tanya#31750

DRIVER SIGNATURE

SITE SIGNATURE



Job #:

20182

Customer:

Civetta Cousins

Truck:

AU760A- Cuenca Coronel74

PO #:

Product:

3/4 Stone

Date: 7/18/2024

Ticket #: 100046275

Time: 2:41:01 PM

[Ticket Note](#)

	Tons	Pounds
Gross:	39.84	79,680
Tare:	14.29	28,580
Net:	25.55	51,100
Loads Today:		4
Units Today:		95.92

[Company Message](#)

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Tanya#31750

DRIVER SIGNATURE

SITE SIGNATURE

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 7/7/2023

Time: 8:05:16 AM

Ticket #: 100037389

Ticket Note

	Tons	Pounds
Gross:	38.61	77,220
Tare:	15.66	31,320
Net:	22.95	45,900

Company Message

Loads Today 1
Units Today 22.95

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Leticia A. #32429

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	37.49	74,980
Tare:	15.50	31,000
Net:	21.99	43,980

Loads Today: 1
Units Today: 21.99

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Maxwell S

Date: 7/19/2023

Time: 12:45:58 PM

Ticket #: 100037675

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 16590
Customer: Civetta Cousins
Truck: 64609PC- Civetta1
PO #:
Product: 1.5" Bluestone

Date: 7/7/2023

Time: 8:05:16 AM

Ticket #: 100037389

Ticket Note

	Tons	Pounds
Gross:	38.61	77,220
Tare:	15.66	31,320
Net:	22.95	45,900

Company Message

Loads Today 1
Units Today 22.95

DRIVER DELIVERY LOCATION

1 Java St

Brooklyn, NY

DRIVER SIGNATURE _____

SITE SIGNATURE _____

WEIGHMASTER

Leticia A. #32429

Impact Materials Jersey City

34 Caven Point Ave
Jersey City, NJ 07305



Job #: 16590
Customer: Civetta Cousins
Truck: 29103PF- Civetta2
PO #:
Product: 1.5" Bluestone

	Tons	Pounds
Gross:	37.49	74,980
Tare:	15.50	31,000
Net:	21.99	43,980

Loads Today: 1
Units Today: 21.99

DRIVER DELIVERY LOCATION
1 Java St

Brooklyn, NY

WEIGHMASTER

Maxwell S

Date: 7/19/2023

Time: 12:45:58 PM

Ticket #: 100037675

Ticket Note

Company Message

DRIVER SIGNATURE _____

SITE SIGNATURE _____

Imported Materials Documentation:
New Jersey Gravel and Sand Co. - Sand (White Mason and Coarse Sand)
(Provided Separately)

New Jersey Gravel and Sand

DECORATIVE STONE • TOPSOIL • MULCH
LANDSCAPE SUPPLIES • PAVERS • STONE CUT

MAILING ADDRESS

P.O. Box 1441
Wall, NJ 07719

(732) 938-5252

www.NJGravelSand.com
info@NJGravelSand.com

1661

SALES TICKET

7/11/2023

BRIGHTCORE ENERGY
80 BUSINESS PARK DR
ARMONK, NY 10504
JOB: GEO-JAVA-22001

TARE	NET	TERMS
------	-----	-------

29900

48200

CREDIT CARD

QTY

UNIT

DESCRIPTION

24.1

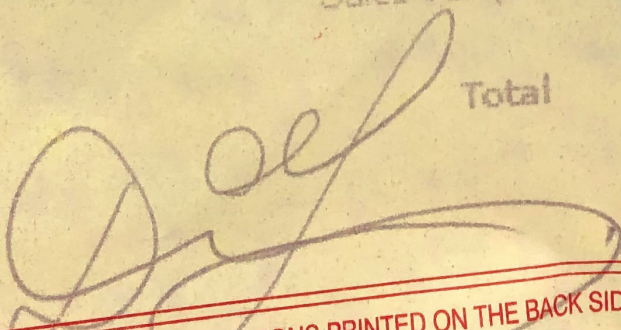
TON

COARSE SAND

Sales Tax (6.625%) \$44.71

Total

\$719.51



PRINTED ON THE BACK SIDE OF THIS TICKET

25J
y Policy
com/privacy

15 16

R: Sam.../Henny
RACTOR/S: n/a

- nt
- ☐ Chemical/SDS.
 - ☐ Shoring/Trenching
 - ☐ Site Level
 - ☐ Equipment Stability
 - ☐ Housekeeping Required
 - ☐ Re-Fueling Procedures
 - ☐ Traffic Hazards/Barriers
 - ☐ Hot Work

New Jersey Gravel and Sand Co.

DECORATIVE STONE • TOPSOIL • MULCH
LANDSCAPE SUPPLIES • PAVERS • STONE

MAILING ADDRESS

P.O. Box 1441
Wall, NJ 07719

(732) 950-1833

www.NJGravel.com
info@NJGravel.com

**SALES
TICKET**

7/11/2023

1833

BRIGHTCORE ENERGY
60 BUSINESS PARK DR
ARMONK, NY 10504
JOB: GEO JAVA 22001

TARE	NET	TERMS	REP
29900	43300	CREDIT CARD	NO
QTY	UNIT	DESCRIPTION	AMOUNT
21.65	TON	WHITE MASON SAND	1,385.60

Sales Tax (6.625%) \$91.80

Total \$1,477.40

Rec'd By _____

PLEASE NOTE THE TERMS & CONDITIONS PRINTED ON THE BACK SIDE OF THIS TICKET AND READ PRIOR TO SIGNING FOR RECEIPT OF THIS MATERIAL.

I agree to accept this material purchased from New Jersey Gravel & Sand Co., Inc. and agree to the terms and conditions on the back of this paper.

Imported Materials Documentation:
Sparrow Mining of Suffolk Ranco Sand & Stone Corp
(Provided Separately)

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510171
Date: 10/15/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 12

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/16/2024	9:39 AM
Tare	0				
Net	0				
Material	0.00 tons				
62	20.000 YD				

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32907
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32907

DATE 10/15/24

BUYER Tony Casale - Java St.
TNT #10 Brooklyn

52

20 yds

GROSS

TARE

NET

WEIGHED BY _____

SIGNED BY _____

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510172
Date: 10/15/2024
Phone: (831) 874-3939
Fax: (831) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 13

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/16/2024	9:39 AM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32908
1 JAVA STREET

32908

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

DATE 10/15/24

BUYER

Tony Casale - Java St.
TNT #304 Brooklyn

58

20405

GROSS

TARE

NET

WEIGHED BY

SIGNED BY

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510213
Date: 10/16/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 14

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/17/2024	11:38 AM
Tare	0				
Net	0				
Material	0.00 tons				
S2	20.000 YD				

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32909
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32909

DATE 10/16/24

BUYER

Tony Casale - Java St
TNT # 10 Bmolija

S2

GROSS

TARE

NET

20.405

WEIGHED BY _____

SIGNED BY _____

Leonardo

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510215
Date: 10/16/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 15

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/17/2024	11:40 AM
Tare	0				
Net	0				

Material

0.00 tons

S2

20.000 YD

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32910
1 JAVA STREET

32910

Ranco Sand & Stone Corp.

151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

DATE

10/16/24

BUYER

Tony Casale - Java St
TNT #304 Brooklyn

S2

20 yds

GROSS

TARE

NET

WEIGHED BY

[Signature]

SIGNED BY

[Signature]
Leonardo G

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510216
Date: 10/16/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 16

TNT-10 - TNT LEASING #10

Gross 0 Scale 0 10/17/2024 11:41 AM

Tare 0

Net 0

Material

0.00 tons

S2

20.000 YD

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32911
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32911

DATE 10/16/24

BUYER Tony Casale - Java St.
TNT #10 Brook 1/1

S2

20 YDS

GROSS

TARE

NET

WEIGHED BY _____

SIGNED BY _____

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510218
Date: 10/16/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 17

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/17/2024	11:42 AM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32913
1 JAVA STREET

32913

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

DATE 10/16/24

BUYER Tony Casale
TNT 304 Java Street

S-2

20yds

GROSS

TARE

NET

WEIGHED BY

SIGNED BY

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510219
Date: 10/16/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 18

TNT-1 - TNT LEASING #1

Gross	0	Scale	0	10/17/2024	11:43 AM
Tare	0				
Net	0				
	0.00 tons				
	20.000 YD				

Material
S2

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32914
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32914

DATE 10/16/24

BUYER

Tony Casale

TNT 1

Java Street

GROSS

TARE

NET

20yds

WEIGHED BY

SIGNED BY

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510274
Date: 10/17/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 19

TNT-304 - TNT LEASING #304

Gross 0 Scale 0 10/21/2024 9:54 AM

Tare 0

Net 0

Material

0.00 tons

82

20.000 YD

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32916
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32916

DATE 10/17/24

BUYER

Tony Casale JavaSt
TNT #304 Brooklyn

50

GROSS

20 yds

TARE

NET

WEIGHED BY _____

SIGNED BY _____

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510275
Date: 10/17/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 20

TNT-10 - TNT LEASING #10

Gross 0 Scale 0 10/21/2024 9:55 AM

Tare 0

Net 0

Material

0.00 tons

S2

20.000 YD

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32917
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32917

DATE 10/17/24

BUYER Tony Casale - Java St.
TNT #10 Brooklyn

S2

20 42

GROSS

TARE

NET

WEIGHED BY _____

SIGNED BY _____

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510277
Date: 10/17/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 21

TNT-1 - TNT LEASING #1

Gross	0	Scale	0	10/21/2024	9:57 AM
Tare	0				
Net	0				

Material

0.00 tons

82

20.000 YD

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32919
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32919

DATE

10/17/24

BUYER

Tony Casale

TNT 1

Java St

GROSS

20yds

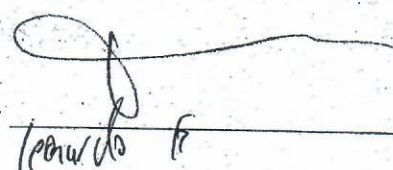
TARE

NET

WEIGHED BY



SIGNED BY



Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510278
Date: 10/17/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 22

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/21/2024	9:58 AM
Tare	0				
Net	0				
	0.00 tons				
	20.000 YD				

Material
S2

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32920
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32920

DATE

10/17/24

BUYER

Tony Casale

TNT 304 JAVA ST

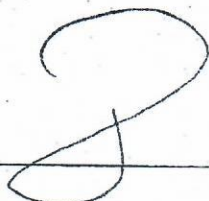
GROSS

TARE

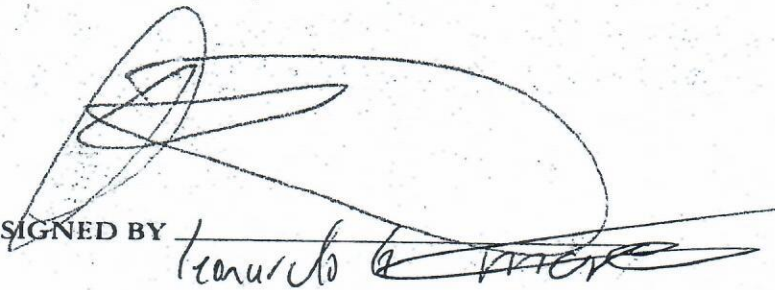
NET

20yds

WEIGHED BY



SIGNED BY



Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510290
Date: 10/18/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 23

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/21/2024	12:38 PM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32923
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32923

DATE 10/18/24

BUYER Tony Casale - Java St.
TNT #304 Brooklyn

GROSS

TARE

NET

WEIGHED BY de

SIGNED BY [Signature]

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510294
Date: 10/18/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 25

TNT-5 - TNT LEASING #5

Gross	0	Scale	0	10/21/2024	12:42 PM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32927
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32927

DATE 10/18/24

BUYER

Tony Casale JAVA St
TNT 5

S-2

20yds

GROSS

TARE

NET

WEIGHED BY _____

SIGNED BY _____

Mike

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510295
Date: 10/18/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 26

TNT-1 - TNT LEASING #1

Gross	0	Scale	0	10/21/2024	12:43 PM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32928
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32928

DATE 10/18/24

BUYER

Tony Casale
TNT 1 Java St

GROSS

TARE

NET

20yds

WEIGHED BY

SIGNED BY

Leonardo G

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510318
Date: 10/21/2024
Phone: (831) 874-3939
Fax: (831) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 27

TNT-8 - TNT LEASING #6

Gross	0	Scale	0	10/22/2024	11:13 AM
Tare	0				
Net	0				
Material	0.00 tons				
82	20.000 YD				

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32929
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32929

DATE

10/21/24

BUYER

Tony Casale - Java St.
TNT # 6

GROSS

TARE

NET

52

20 yds

WEIGHED BY

[Signature]

SIGNED BY

[Signature]

Leonardo 67

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510126
Date: 10/14/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 8

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/15/2024	11:16 AM
Tare	0				
Net	0				
Material	0.00 tons				
83	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32900
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32900
DATE 10/14/24

BUYER Tony Casale
TNT 10 Java St - Brooklyn

GROSS
TARE
NET

20yds

WEIGHED BY _____

SIGNED BY _____

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510128
Date: 10/14/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 7

TNT-5 - TNT LEASING #5

Gross	0	Scale	0	10/15/2024	11:18 AM
Tare	0				
Net	0				
Material	0.00 tons				
S3	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32893
1 JAVA STREET

32893

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

DATE 10/14/24

BUYER Tony Casale - Java St.
TNT #15 Brooklyn

S3

GROSS

TARE

NET

20 yds

WEIGHED BY A

SIGNED BY Mike

Leonardo

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510129
Date: 10/14/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 8

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/15/2024	11:19 AM
Tare	0				
Net	0				
	0.00 tons				
	20.000 YD				

Material
S3

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32894
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32894

DATE 10/14/24

BUYER

Tony Casale - Java St.
TNT # 10 Brooklyn

S3

GROSS

TARE

NET

20 yds

WEIGHED BY [Signature]

SIGNED BY [Signature]

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510166
Date: 10/15/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 9

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/16/2024	9:35 AM
Tare	0				
Net	0				
	0.00 tons				
	20.000 YD				

Material
83

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32903
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32903

DATE 10/15/24

BUYER Tony Casale - Java St.
TNT-410 Brooklyn

SB

20 yds

GROSS
TARE
NET

WEIGHED BY *A*

SIGNED BY *[Signature]*

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510167
Date: 10/15/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 10

TNT-304 - TNT LEASING #304

Gross	0	Scale	0	10/16/2024	9:37 AM
Tare	0				
Net	0				
	0.00 tons				
	20.000 YD				

Material
83

WeighMaster:PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32904
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32904

DATE 10/15/24

BUYER

Tony Casale - Java St.
TNT #304 Brooklyn

GROSS

TARE

NET

WEIGHED BY

SIGNED BY

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510169
Date: 10/15/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 11

TNT-10 - TNT LEASING #10

Gross	0	Scale	0	10/16/2024	9:37 AM
Tare	0				
Net	0				
Material	0.00 tons				
83	20.000 YD				

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32905
1 JAVA STREET

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

32905

DATE 10/15/24

BUYER

Tony Casale
TNT #10
Brooklyn

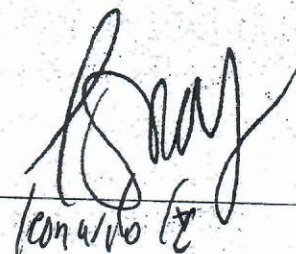
GROSS

TARE

NET

20 yds

WEIGHED BY 

SIGNED BY 

Ranco Sand & Stone
151 South Street
Manorville NY, 11949

Ticket #: 510292
Date: 10/18/2024
Phone: (631) 874-3939
Fax: (631) 874-3553

TONY CASALE INC
1185 SAW MILL RIVER ROAD
YONKERS NY, 10710

Order Number: 2
1 JAVA STREET - WATERFRONT - BR...
Tons: 0.000
Loads: 24

TNT-10 - TNT LEASING #10

Gross 0 Scale 0 10/21/2024 12:41 PM

Tare 0

Net 0

Material

0.00 tons

S3

7.000 YD

WeighMaster: PAM - PAM

Driver Signature: _____

Remarks: REPLACES TICKET #32925
1 JAVA STREET

32925

Ranco Sand & Stone Corp.
151 SOUTH STREET
MANORVILLE, NEW YORK 11949
OFFICE PHONE: 874-3939 • 874-3993

DATE 10/18/24

BUYER Tony Casale - Java St.
TNT #10 Brooklyn

S3

7 yds

GROSS

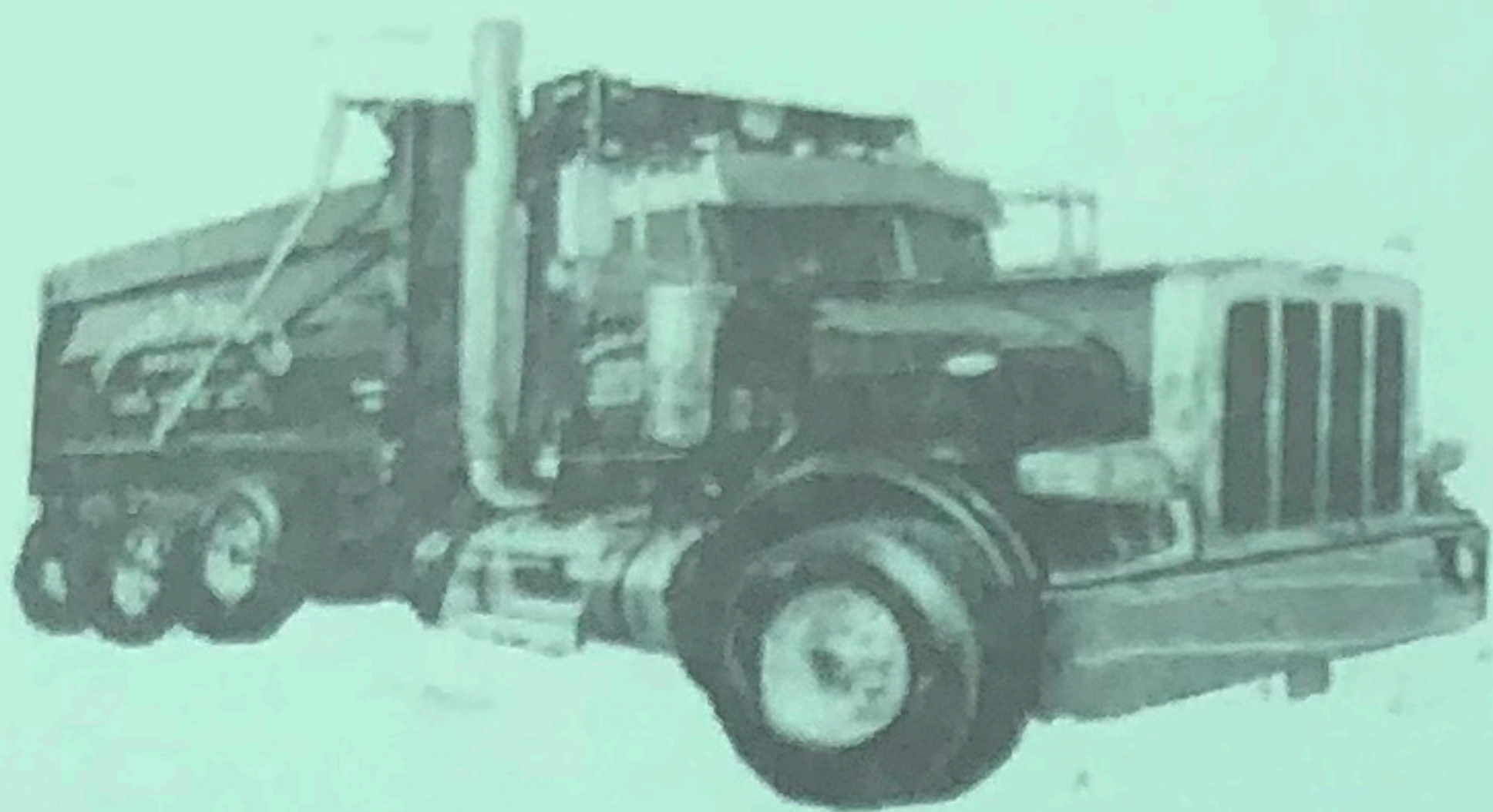
TARE

NET

WEIGHED BY He

SIGNED BY [Signature]

Imported Materials Documentation:
Stavola Beaver Run - 1-2 inch
Stone (Provided Separately)



Cuenca Coronel

Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton, NJ 07011

Mauro Cuenca

PRESIDENT

Nº 019026

DATE: 03-22-2023

FROM: STAVOLA BEAVER RUN LATAYETIC H.V.

TO: 1 JARA STREET BROOKLYN H.Y.

TRUCKER: EDISON ALVAREZ

YDS.:

TRUCK #.: #05 AU426U H.V.

MATERIAL:

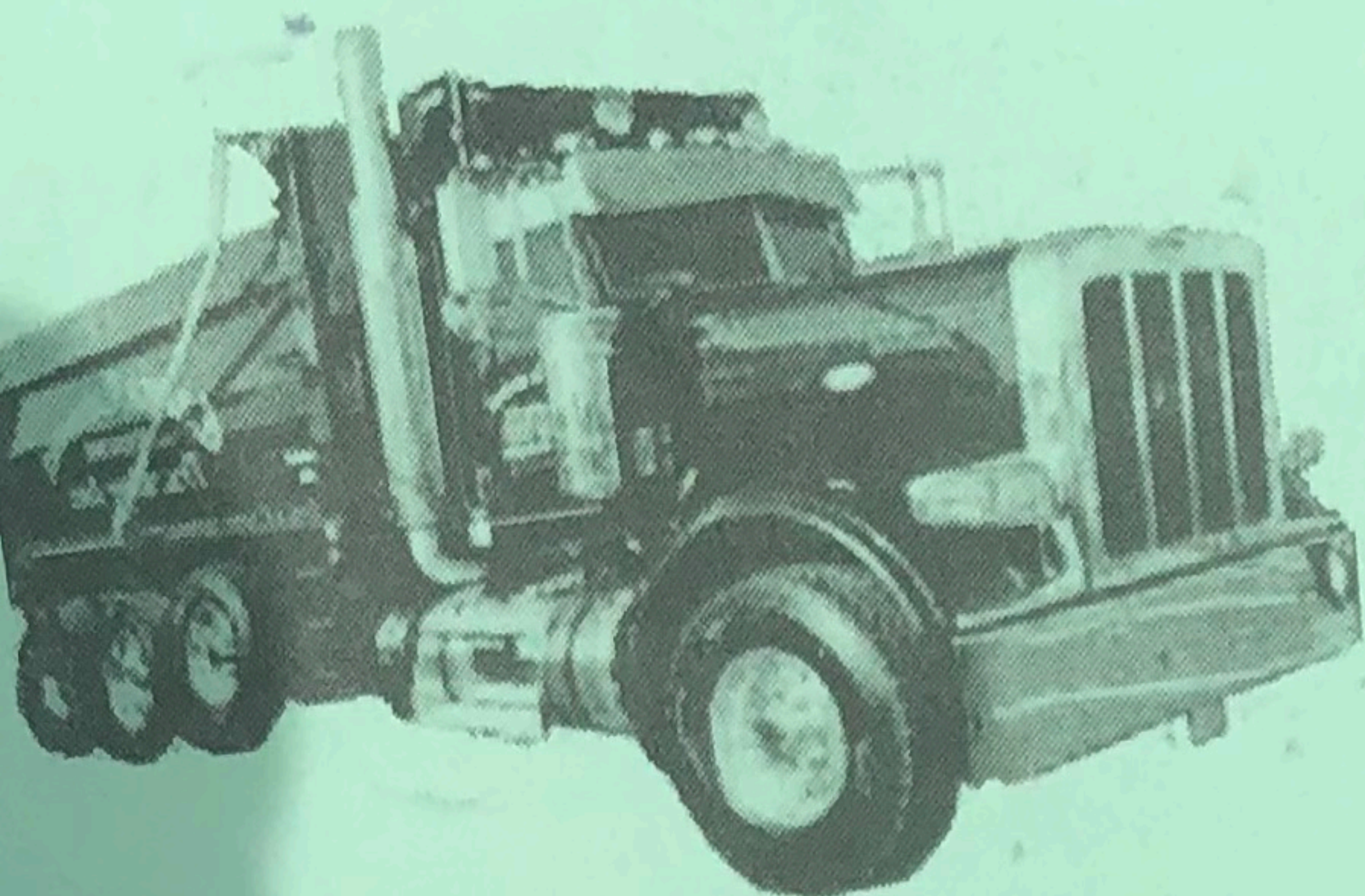
PRIMARY ARMOR 1-2"
STONE

Ticket # 122554

TONS 23.39

SIGNATURE

Cy LbH



Cuenca Coronel Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton. NJ 07011

Mauro Cuenca

PRESIDENT

Nº 037032

DATE: 03-22-2023

FROM: STAVOLA - LAFAYETTE - NJ -

TO: 1 TAVAT ST - BK - NY -

TRUCKER: WENIA CORONEL

YDS.: —

TRUCK #: 38- AT 383 N. NJ -

MATERIAL:

1'-2' PRIMARY ARMOR STONE

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/22/23 TICKET...: 122598
CLERK...: cfountai IN 14:49 OUT 14:59

PROJECT : TASK #:

CUSTOMER.: 61716
TREVCON, INC.

P.O. NO.:

PRODUCT...: 0055

1-2 FOOT SECONDARY STONE

UNITS.....: 22.47 TON

HAULER...: P/D: P

Miscellaneous Trucker

CARD NO...: 006373

TRUCK.....: AS469U

CUENCA#65

SHIP TO...:

Brooklyn

GROSS WEIGHT: 72680

STORED TARE: 27740

NET WEIGHT: 44940

NET TONS: 22.47

MEGAGRAMS: 20.3844

TODAY'S LOADS: 1

TODAY'S QTY: 22.47

DRIVER.....:

CUSTOMER:

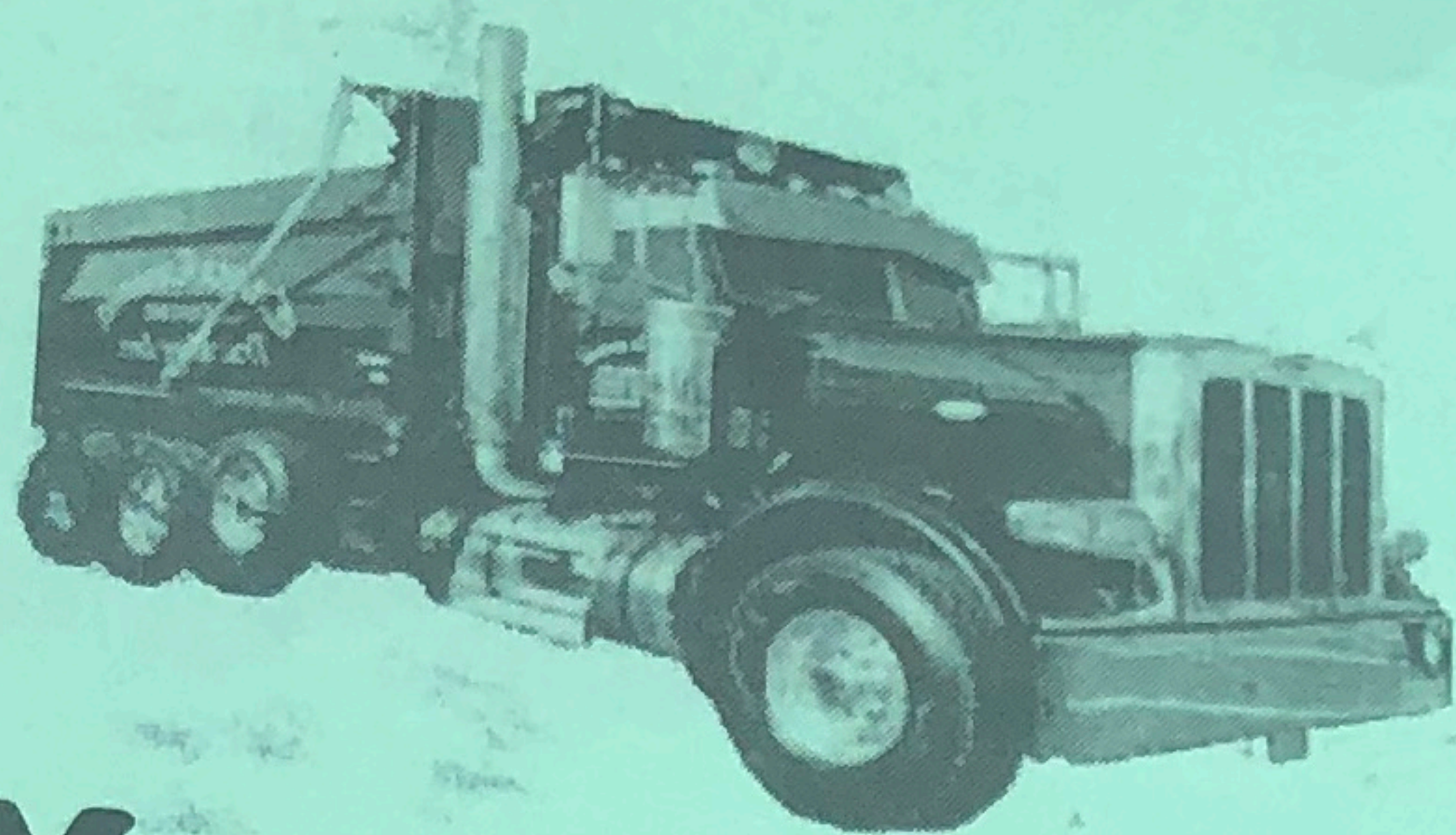
WAIT TIME.:

AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959

TICKET#...: 122598

REF:



Mauro Cuenca
PRESIDENT

Cuenca Coronel Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton, NJ 07011

Nº 036606

DATE: 3-23-23

FROM: STAUDLA Lafayette NJ

TO: 1 Java st. BK.

TRUCKER: Paul G. Spino

YDS.:

TRUCK #: 65 AS469U

MATERIAL:

Primary armor stone

SIGNATURE

A handwritten signature in dark ink, appearing to read "C. G. Spino", written over a horizontal line.

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/22/23 TICKET...: 122596
CLERK...: cfountai IN 14:21 OUT 14:34

PROJECT : TASK #:

CUSTOMER.: 61716
TREVCON, INC.

P.O. NO...:

PRODUCT...: 0011
1 1/2IN CLEAN STONE

UNITS.....: 22.61 TON

HAULER...: P/D: P

Miscellaneous Trucker

CARD NO...: 010059

TRUCK.....: AS998D

CUENCA#49

SHIP TO...:

BROOKLYN

GROSS WEIGHT: 74120

STORED TARE: 28900

NET WEIGHT: 45220

NET TONS: 22.61

MEGAGRAMS: 20.5114

TODAY'S LOADS: 1

TODAY'S QTY: 22.61

DRIVER.....:

CUSTOMER:

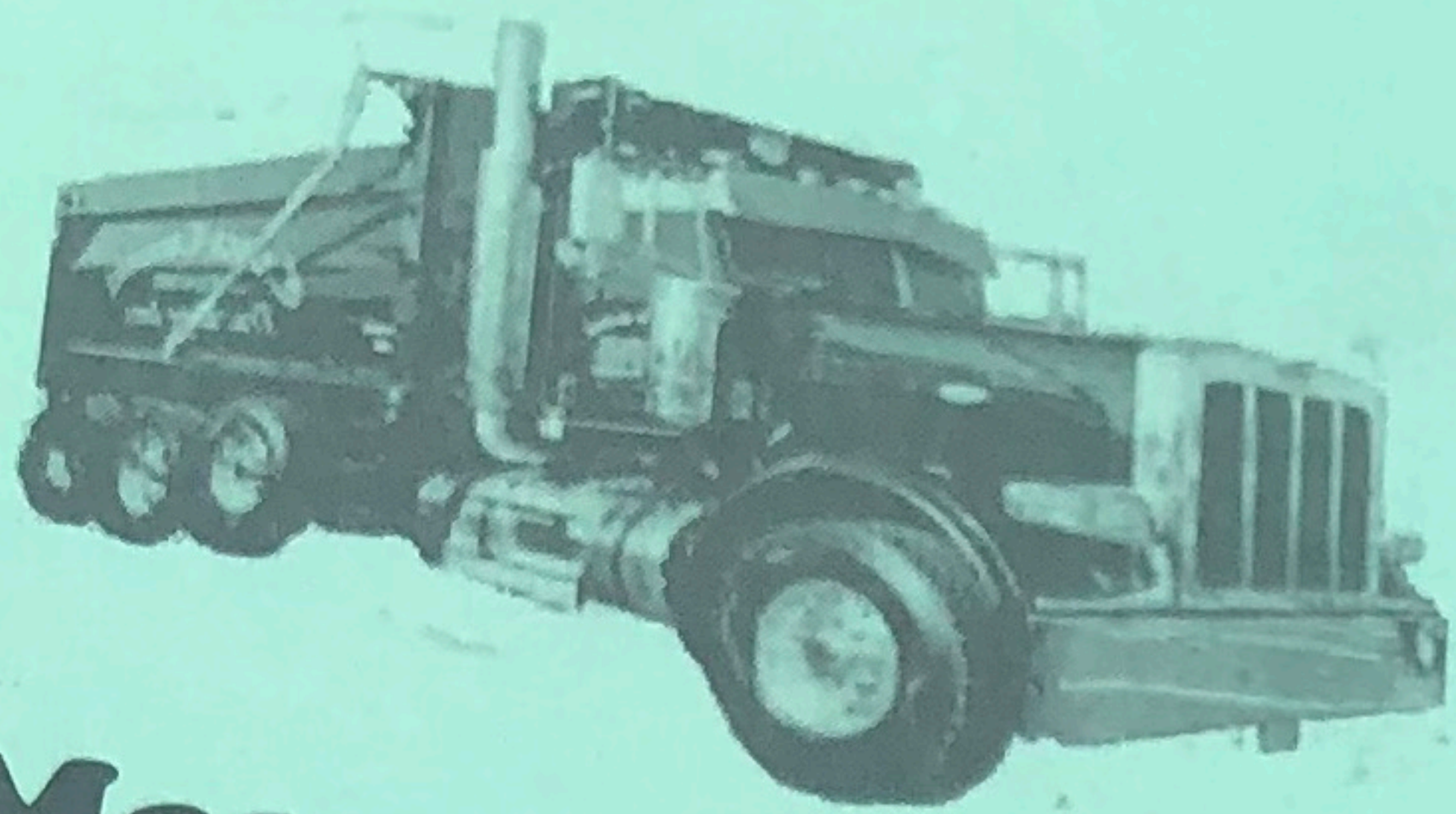
WAIT TIME..:

AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959

TICKET#...: 122596

REF:



Cuenca Coronel

Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton, NJ 07011

Mauro Cuenca

PRESIDENT

Nº **027457**

DATE: 08/10 23-23

FROM: STAVOLA QUARRY

TO: FORTA ST NY

TRUCKER: ALEXANDER

YDS.:

TRUCK #: 349- AS998D

MATERIAL: DIRT 1 1/2 STOUT
Cy BHT

SIGNATURE

Cy BHT

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/22/23 TICKET...: 122595
CLERK...: cfountai IN 14:13 OUT 14:31

PROJECT : TASK #:

CUSTOMER.: 61716
TREVCON, INC.

P.O. NO...:

PRODUCT...: 0011

1 1/2IN CLEAN STONE

UNITS.....: 22.39 TON

HAULER...: P/D: P

Miscellaneous Trucker

CARD NO...: 035055

TRUCK.....: AY839B

CUENCA#79

SHIP TO...:

Brooklyn

GROSS WEIGHT: 73800

STORED TARE: 29020

NET WEIGHT: 44780

NET TONS: 22.39

MEGAGRAMS: 20.3119

TODAY'S LOADS: 1

TODAY'S QTY: 22.39

DRIVER.....:

CUSTOMER:

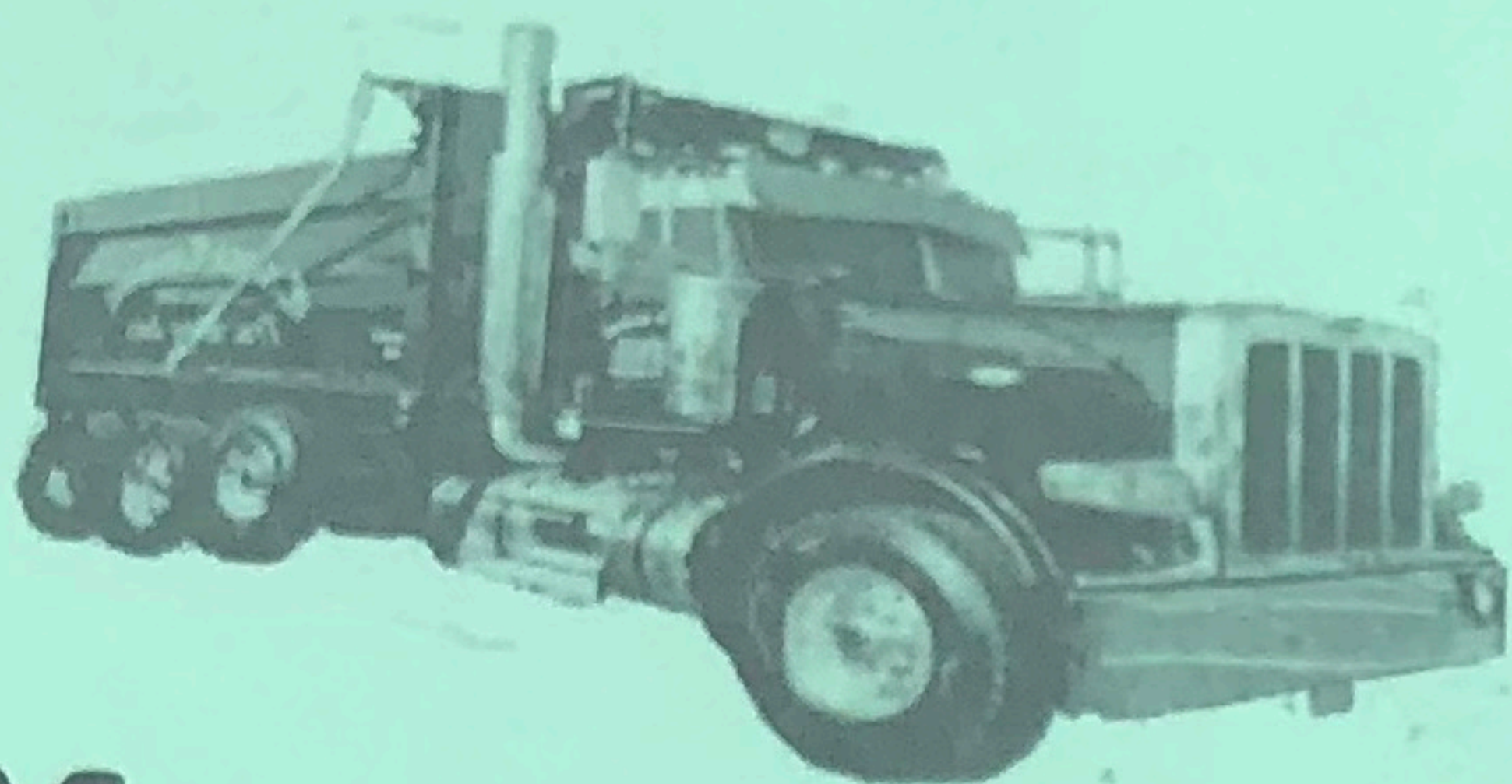
WAIT TIME.:

AUTH SIG:

CLERK...: cfountai LICENSE#.: 162959

TICKET#...: 122595

EF:



Cuenca Coronel Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton, NJ 07011

Mauro Cuenca

PRESIDENT

Nº 021881

DATE: 03-23-2023

FROM: STAUDLA, LAFAYETTE NJ

TO: 1 JAVIA ST, BKLYN, NY

TRUCKER: CUENCA CORONEL

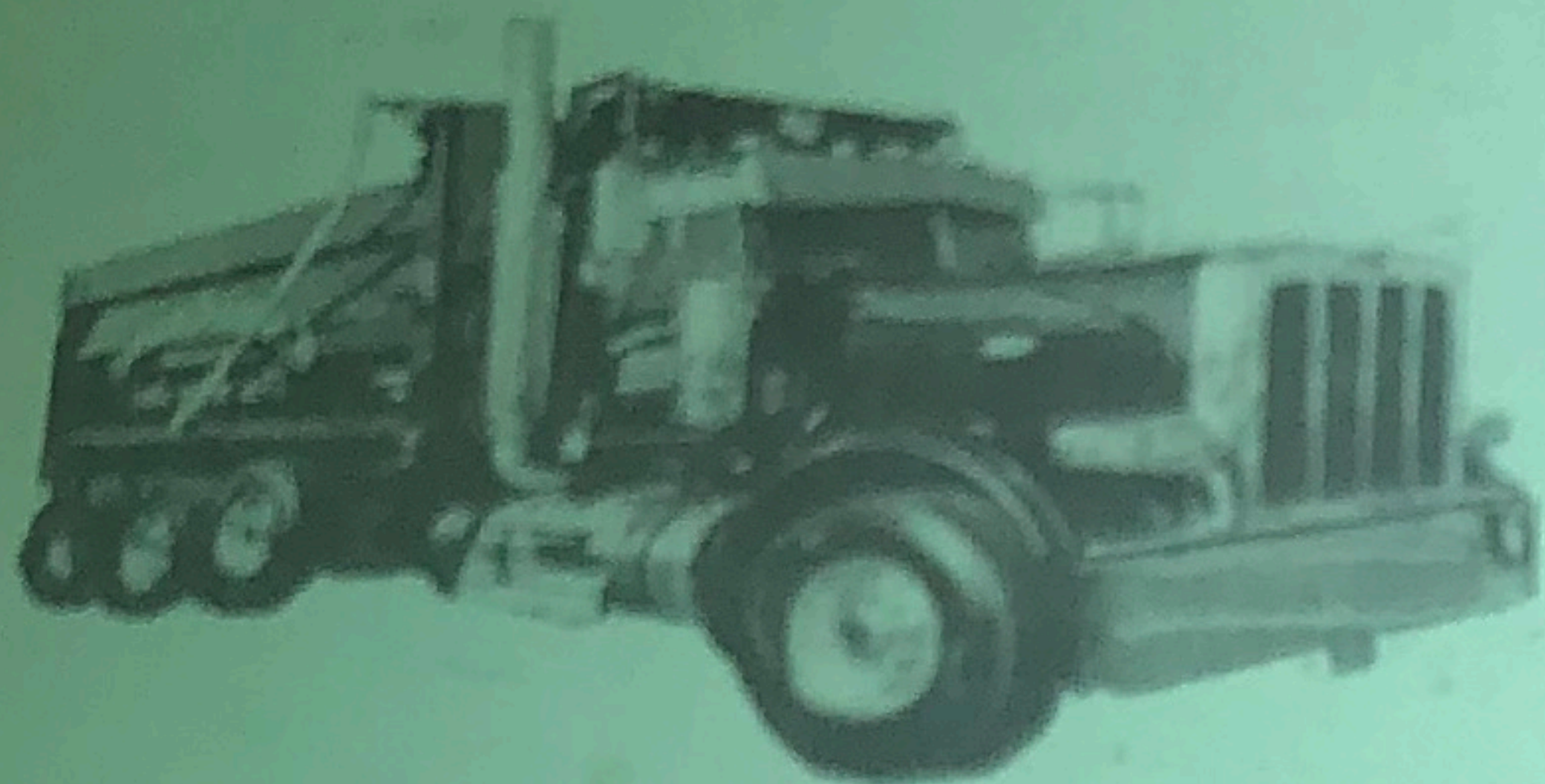
YDS.: 25

TRUCK #: AY839B #79

MATERIAL: 1 LOAD 1 1/2 STONE ASTM #4

DELIVERY

SIGNATURE



Mauro Cuenca

PRESIDENT

Cuenca Coronel

Trucking Inc.

Cell: (973) 583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

109 Wabash Ave. Clifton, NJ 07011

Nº 036956

DATE:

8/23/23

FROM:

From Mt Hope

TO:

1 Judd St.

TRUCKER:

Antonio C.

YDS.:

27.56

TRUCK #.:

77 AW541W

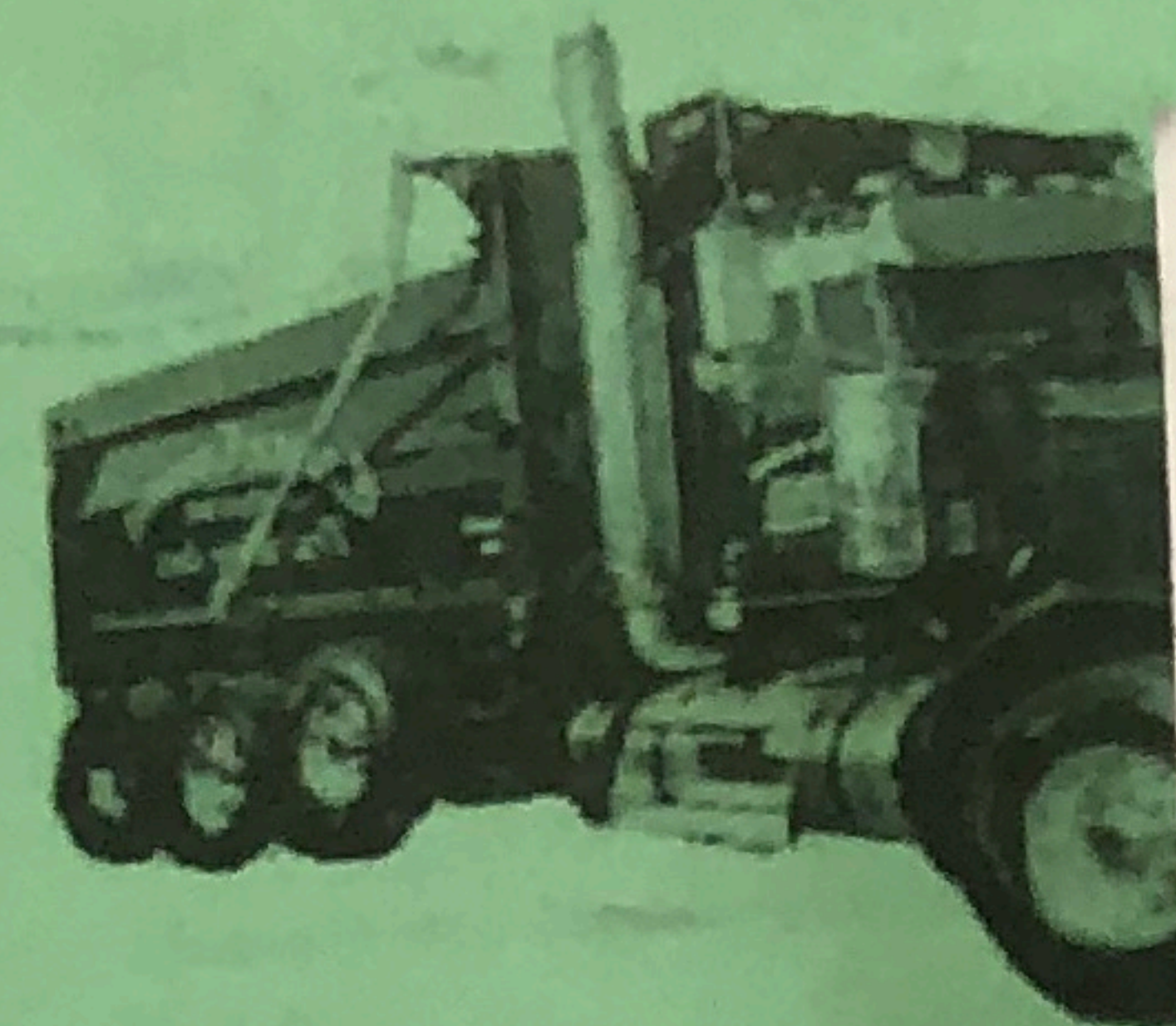
MATERIAL:

1/2

SIGNATURE

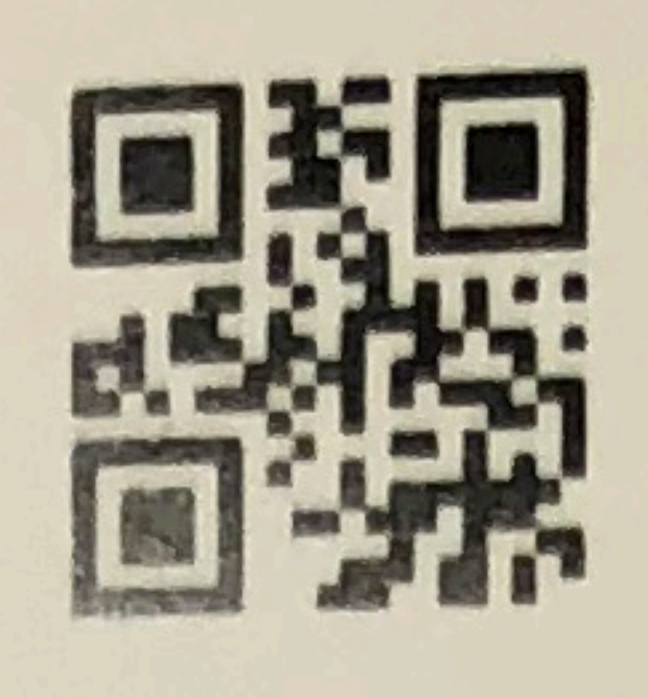
A handwritten signature in dark ink, appearing to be 'Mauro Cuenca', written over a horizontal line.

Cuenca Corone



Mauro C
PRESIDE

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/29/23 TICKET...: 122856
CLERK...: cfountai IN 14:06 OUT 14:26

DATE: _____
FROM: 30
TO: 15
TRUCKER: _____
YDS.: _____
TRUCK #: _____

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 23.31 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 015392
TRUCK.....: AU758A
CUENCA#73
SHIP TO...:
Brooklyn

MATERIAL: _____

GROSS WEIGHT:	75300
STORED TARE:	28680
NET WEIGHT:	46620
NET TONS:	23.31
MEGAGRAMS:	21.1465

TODAY'S LOADS: 1
TODAY'S QTY: 23.31

DRIVER.....: _____
CUSTOMER: _____
WAIT TIME.: _____ AUTH SIG: _____

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 122856
REF:

ONE

Specialty Permits / Plans / Inspections / Procedures Required

Completed & Reviewed w/Crew	✓ If N/A	Completed & Reviewed w/Crew	✓ If Yes	✓ If N/A
Exit Location(s) and muster points. Do		Plan / Inspections		
How To Summon Help?				
Work - Sufficient Area to				
/Mat - Perform 360				
/ Forklift Certifica				
Space Permit / Tra				
ng - Inspections, C				
n - Conduct if Lift				
ves Two or More				
Measures in Pl				
mit / Fire Preve				
ilabe & Inspecte				
es, Aerial Lifts,				
ections Comple				
lights/Beacons				
ctional, Barge				
ion - Light Pla				

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/29/23 TICKET...: 122858
CLERK...: cfountai IN 14:25 OUT 14:39
PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 24.63 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 008539
TRUCK.....: AT398F
CUENCA#41
SHIP TO...:
Brooklyn

GROSS WEIGHT: 77680
STORED TARE: 28420
NET WEIGHT: 49260
NET TONS: 24.63
MEGAGRAMS: 22.3440

TODAY'S LOADS: 3
TODAY'S QTY: 71.74

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK....: cfountai LICENSE#.: 162959
TICKET#...: 122858
REF:

CUENCA Coronel
Trucking Inc.

Call: (973)583-3523

: (973) 842-8937

: (973) 542-8388

Sh Ave. Clifton. NJ 07011

35851

Rd

NY

ing

AT398F

Specialty Permits / Plans / Inspections / Procedures Required

Completed & Reviewed w/Crew	V If N/A	Completed & Reviewed w/Crew	V If Yes	V If N/A
EMERGENCY - Exit Location(s) and muster points. Do you know how to summon help?				
Adjacent Work - Sufficient equipment/mat - Perform				
Lift / Forklift Cert				
Confined Space Permit /				
& Rigging - Inspection Person				
Lift Plan - Conduct				
R Involves Two				
Control - Measur				
rk Permit / Fire				
er Avallabe & In				
t (Cranes, Aerial				
se Inspections Co				
- Headlights/Bea				
ms functional, Ba				
mination - Ligh				

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/29/23 TICKET...: 122857
CLERK...: cfountai IN 14:19 OUT 14:31

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER...: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS....: 23.80 TON
HAULER....: P/D: P
Miscellaneous Trucker
CARD NO...: 035769
TRUCK....: AS340P
CUENCA#59
SHIP TO...:
Brooklyn

GROSS WEIGHT: 76520
STORED TARE: 28920
NET WEIGHT: 47600
NET TONS: 23.80
MEGAGRAMS: 21.5910

TODAY'S LOADS: 2
TODAY'S QTY: 47.11

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK....: cfountai LICENSE#.: 162959
TICKET#...: 122857
REF:

Cuenca Coronel
Trucking Inc.

Cell: (973)583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

abash Ave. Clifton. NJ 07011

035551

ette, NJ
brooklyn, NY
nel

OP

Stone.

LICENSE#..:

Specialty Permits / Plans / Inspections / Procedures Required

Completed & Reviewed w/Crew	✓ If Yes	✓ If N/A	Completed & Reviewed w/Crew	✓ If Yes	✓ If N/A
Emergency - Exit Location(s) and muster points. Do you know how to summon help?	✓		Fall Protection Plan / Inspections	✓	
Work - Sufficient Area to Safely Move Material - Perform 360 look-around			Hand & Power Tool Inspections - Guards in Place, and in Working Order	✓	
Forklift Certification					

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 03/29/23 TICKET...: 122859
CLERK...: cfountai IN 14:29 OUT 14:41

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS....: 23.78 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 035055
TRUCK....: AY839B
CUENCA#79
SHIP TO...:
Brooklyn

GROSS WEIGHT: 76880
STORED TARE: 29320
NET WEIGHT: 47560

NET TONS: 23.78
MEGAGRAMS: 21.5729

TODAY'S LOADS: 4
TODAY'S QTY: 95.52

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK....: cfountai LICENSE#.: 162959
TICKET#...: 122859
REF:

Cuenca Coronel

Trucking Inc.

Cell: (973)583-3523

Office: (973) 842-8937

Fax: (973) 542-8388

Vabash Ave. Clifton. NJ 07011

No 021882

YETTE, NJ

KLYN, NY

CONEL

9

4 AIR MOC STONE

[Handwritten signature]

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/07/23 TICKET...: 123291
CLERK...: cfountai IN 13:31 OUT 13:39

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0011
1 1/2IN CLEAN STONE
UNITS.....: 24.95 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 031277
TRUCK.....: W956708
D&A#69
SHIP TO...:
Brooklyn

GROSS WEIGHT: 77740
STORED TARE: 27840
NET WEIGHT: 49900

NET TONS: 24.95
MEGAGRAMS: 22.6343

TODAY'S LOADS: 1
TODAY'S QTY: 24.95

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 123291
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/11/23 TICKET...: 123376
CLERK...: cfountai IN 07:08 OUT 07:28

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.

P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE

UNITS.....: 23.23 TON
HAULER....: P/D: P

Miscellaneous Trucker
CARD NO...: 025629
TRUCK.....: AW372W

D&A#46
SHIP TO...:
Brooklyn

GROSS WEIGHT: 76300
STORED TARE: 29840
NET WEIGHT: 46460

NET TONS: 23.23
MEGAGRAMS: 21.0739

TODAY'S LOADS: 3
TODAY'S QTY: 68.53

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 123376
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/11/23 TICKET...: 123374
CLERK...: cfountai IN 07:07 OUT 07:23

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 22.76 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 025587
TRUCK.....: AU371W
D&A#45
SHIP TO...:
Brooklyn

GROSS WEIGHT:	75040
STORED TARE:	29520
NET WEIGHT:	45520
NET TONS:	22.76
MEGAGRAMS:	20.6475

TODAY'S LOADS: 1
TODAY'S QTY: 22.76

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 123374
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/11/23 TICKET...: 123375
CLERK...: cfountai IN 07:04 OUT 07:25

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 22.54 TON
HAULER....: P/D: P
Miscellaneous Trucker
CARD NO...: 025626
TRUCK.....: AU740H
D&A#31
SHIP TO...:
Brooklyn

GROSS WEIGHT:	73280
STORED TARE:	28200
NET WEIGHT:	45080
NET TONS:	22.54
MEGAGRAMS:	20.4479

TODAY'S LOADS: 2
TODAY'S QTY: 45.30

DRIVER...: *[Signature]*

CUSTOMER: _____

WAIT TIME.: _____

AUTH SIG: _____

CLERK....: cfountai LICENSE#.: 162959
TICKET#...: 123375
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/24/23 TICKET...: 123901
CLERK...: cfountai IN 07:05 OUT 07:22

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.

P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 23.86 TON

HAULER...: P/D: P
Miscellaneous Trucker

CARD NO...: 028352

TRUCK.....: AW857D

D&A#12

SHIP TO...:

Brooklyn

GROSS WEIGHT: 75840

STORED TARE: 28120

NET WEIGHT: 47720

NET TONS: 23.86

MEGAGRAMS: 21.6454

TODAY'S LOADS: 1

TODAY'S QTY: 23.86

RIVER.....:

CUSTOMER:

UT TIME.:

AUTH SIG:

ERK.....: cfountai LICENSE#: 162959

CKET#...: 123901

:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/24/23 TICKET...: 123902
CLERK...: cfountai IN 07:03 OUT 07:24
PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 25.09 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 025667
TRUCK.....: AT693C
D&A#14
SHIP TO...:
Brooklyn

GROSS WEIGHT: 78480
STORED TARE: 28300
NET WEIGHT: 50180
NET TONS: 25.09
MEGAGRAMS: 22.7613

TODAY'S LOADS: 2
TODAY'S QTY: 48.95

RIVER.....:

CUSTOMER:

UT TIME.: AUTH SIG:

ERK.....: cfountai LICENSE#: 162959
CKET#...: 123902
:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 04/24/23 TICKET...: 123905
CLERK...: cfountai IN 07:21 OUT 07:33
PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 24.25 TON
HAULER....: P/D: P
Miscellaneous Trucker
CARD NO...: 036786
TRUCK.....: AY186A
D&A#73
SHIP TO...:
Brooklyn

GROSS WEIGHT:	78680
STORED TARE:	30180
NET WEIGHT:	48500
NET TONS:	24.25
MEGAGRAMS:	21.9992

TODAY'S LOADS: 3
TODAY'S QTY: 73.20

IVER.....:

STOMER:

T TIME..:

AUTH SIG:

ARK.....: cfountai LICENSE#.: 162959
KET#...: 123905

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 05/01/23 TICKET...: 124253
CLERK...: cfountai IN 07:20 OUT 07:43

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 23.09 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 027878
TRUCK.....: AW919X
D&A#59
SHIP TO...:
Brooklyn

GROSS WEIGHT: 74380
STORED TARE: 28200
NET WEIGHT: 46180

NET TONS: 23.09
MEGAGRAMS: 20.9469

TODAY'S LOADS: 1
TODAY'S QTY: 23.09

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 124253
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 05/01/23 TICKET...: 124254
CLERK...: cfountai IN 07:24 OUT 07:43

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 23.72 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 027491
TRUCK.....: AW244V
D&A#2
SHIP TO...:
Brooklyn

D&A
#2

GROSS WEIGHT: 75260
STORED TARE: 27820
NET WEIGHT: 47440

NET TONS: 23.72
MEGAGRAMS: 21.5184

TODAY'S LOADS: 2
TODAY'S QTY: 46.81

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 124254
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 05/01/23 TICKET...: 124298
CLERK...: cfountai IN 14:18 OUT 14:27

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.

P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE

UNITS.....: 23.73 TON
HAULER....: P/D: P

Miscellaneous Trucker

CARD NO...: 020817

TRUCK.....: AW840A

D&A#52

SHIP TO...:

Brooklyn

GROSS WEIGHT: 75840
STORED TARE: 28380
NET WEIGHT: 47460

NET TONS: 23.73
MEGAGRAMS: 21.5275

TODAY'S LOADS: 3
TODAY'S QTY: 70.54

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 124298
REF:

BRQ



Stavola Beaver Run
Beaver Run Quarry
(732)-542-2328

SHIPPING TICKET

DATE...: 05/02/23 TICKET...: 124310
CLERK...: cfountai IN 07:01 OUT 07:24

PROJECT : 37851-A TASK #:
BROOKLYN, 1 JAVA ST SHORELINE RECONS
CUSTOMER.: 61716
TREVCON, INC.
P.O. NO...:
PRODUCT...: 0055
1-2 FOOT SECONDARY STONE
UNITS.....: 24.82 TON
HAULER...: P/D: P
Miscellaneous Trucker
CARD NO...: 025629
TRUCK.....: AW372W
D&A#46
SHIP TO...:
Brooklyn

GROSS WEIGHT:	79600
STORED TARE:	29960
NET WEIGHT:	49640
NET TONS:	24.82
MEGAGRAMS:	22.5163

TODAY'S LOADS: 1
TODAY'S QTY: 24.82

DRIVER.....:

CUSTOMER:

WAIT TIME.: AUTH SIG:

CLERK.....: cfountai LICENSE#.: 162959
TICKET#...: 124310
REF:

Imported Materials Documentation:
Vulcan 7295-141 Pier J - Natural Concrete Sand C-33
(Provided Separately)

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X DRIVER			
DATE 4/14/2023	TIME 6:44AM	PLANT 7295-141 PIER J	Ticket No 57016938
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Expires 04302023	
State NY CHARLES RICHARDS		<i>Charles Richards</i> Invalid unless signed or initialed	

LIMITED WARRANTY AND WARRANTY DISCLAIMER: Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. **SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE.** In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

AS EVIDENCED BY SIGNATURE, OR DEPARTURE FROM SELLER'S FACILITY, CARRIER ACKNOWLEDGES THAT CARRIER IS SOLELY RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT, AXLE WEIGHTS AND GROSS WEIGHT. CARRIER SHALL BE RESPONSIBLE FOR NOTIFYING SELLER WHEN ANY TRUCK OR TRAILER HAS BEEN OVERLOADED SO AS TO RENDER IT OUT OF COMPLIANCE WITH ANY APPLICABLE WEIGHT LIMITS. TO THE MAXIMUM EXTENT ALLOWED BY LAW, CARRIER SHALL INDEMNIFY SELLER FOR ANY LOSS CAUSED BY OVERLOADING.

TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377439 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
CASH SALE					
ORDER: 1730453	Bright Corp Energy- 1 Java St Project Green Point Brooklyn Java Street			DELIVERED	
DESTINATION: 2	Bright Corp Energy- 1 Java St Project Green Point Brooklyn ENTER END OF INDIA STREET			Dispatch: 503680	
PRODUCT: 31152	NATURAL CONCRETE SAND-C33			ZONE/MILES	
COMMENTS: SHAWN 914-653-4920 <i>1 1/2 hour wait</i>					
TRUCK LICENSE MASON28	MASON MATERIALS	CARRIER 113366	HILLWICK INC		
AX629Z	NJ TRIAXLE 80K GVW	TRAILER ID NO	TRAILER ID NO		
FREIGHT TYPE A	AXLES 0	TARE DATE 04/14/2023	TARE EXPIRE 05/15/2023		
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
77,960	27,780 *	50,180 *	25.09	25.09	1
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,362	12,601	22,761	22.76	22.76	6:41 am
CASH SALE PER TON	MATERIAL 37.50	HAUL 7.75	OTHER CHARGE NYFUELSURCHNY FUEL SURCHARGE		194 9.00 17.50
TOTAL	MATERIAL 940.88	HAUL 194.45	TAX 100.76	OTHER CHARGES 17.50	COD TOTAL 1253.59
WEIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

Make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* Manual Weight

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE	TIME	PLANT	Ticket No
4/24/2023	7:24AM	7295-141 PIER J	57017442
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications.			
Public weighmaster license 607264			
State NY		CHARLES RICHARDS	
		Expires 04302023	
		Vulcan Materials Company	
		Invalid unless signed or Initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377439 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
CASH SALE					
ORDER: 1730453		Bright Corp Energy- 1 Java St Project Green Point Brooklyn Java Street		DELIVERED Dispatch: 505938	
DESTINATION: 2		Bright Corp Energy- 1 Java St Project Green Point Brooklyn ENTER END OF INDIA STREET		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: SHAWN 914-653-4920 Jason Humel 215-850-5324 Call this one first					
TRUCK 79814NC		LIMEROCK IND		CARRIER 113366 HILLWICK INC	
LICENSE 79814NC		NJ TRIAXLE 80K GVW		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 04/24/2023 TARE EXPIRE 05/25/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
79,780	29,480 *	50,300	25.15	25.15	1
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
36,188	13,372	22,816	22.82	22.82	12:00 am
CASH SALE PER TON	MATERIAL 37.50	HAUL 7.75	NYFUELSURCHNY FUEL SURCHARGE 195 9.00 17.54		
TOTAL	MATERIAL 943.13	HAUL 194.91	TAX 101.00	OTHER CHARGES 17.54	COD TOTAL 1256.58
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

100 Bushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY:

CUSTOMER/CONSIGNEE

X DRIVER

DATE 4/24/2023

TIME 7:28AM

PLANT 7295-141 PIER J

Ticket No 57017444

Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:

Public weighmaster license 607264
State NY CHARLES RICHARDS

Charles Richards

Expires 04302023

Vulcan Materials Company

Invalid unless signed or initialed

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377439 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
CASH SALE					
ORDER: 1730453		Bright Corp Energy- 1 Java St Project Green Point Brooklyn Java Street		DELIVERED Dispatch: 505938	
DESTINATION: 2		Bright Corp Energy- 1 Java St Project Green Point Brooklyn ENTER END OF INDIA STREET		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: SHAWN 914-653-4920 Jason Humel 215-850-5324 Call this one first					
TRUCK LICENSE VIG9 30791NB		VIGOROUS INDUSTRIES (30791NB) NJ TRIAXLE 80K GVW AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 03/28/2023 TARE EXPIRE 04/28/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
77,460	29,060 *	48,400	24.20	49.35	2
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,135	13,181	21,954	21.95	44.77	12:00 am
CASH SALE PER TON	MATERIAL 37.50	HAUL 7.75	OTHER CHARGE NYFUELSURCHNY FUEL SURCHARGE 188 9.00 16.88		
TOTAL	MATERIAL 907.50	HAUL 187.55	TAX 97.19	OTHER CHARGES 16.88	COD TOTAL 1209.12
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE		Ticket No 57018440	
DATE 5/9/2023	TIME 10:11AM	PLANT 7295-141 PIER J		Expires 04302023	
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:					
Public weighmaster license 607264 State NY CHARLES RICHARDS					

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

GOVT CONTRACT:

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC	CUSTOMER PURCHASE ORDER: JASON	DELIVERED Dispatch: 510770	
ORDER: 1735972	1 Java St Project - Green Point Brooklyn Java Street	ZONE/MILES	
DESTINATION: 2	1 Java St Project - Green Point Brooklyn 1 Java Street		

PRODUCT: 31152 NATURAL CONCRETE SAND-C33

COMMENTS: JASON 215-850-5324

TRUCK LICENSE FREIGHT TYPE A	79814NC 79814NC A	LIMEROCK IND NJ TRIAXLE 80K GVW AXLES 0	CARRIER TRAILER ID NO TARE DATE	113366 HILLWICK INC 04/24/2023	TARE EXPIRE 05/25/2023
------------------------------------	-------------------------	---	---------------------------------------	--------------------------------------	---------------------------

GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY	GROSS LEGAL WT
75,580	29,480 *	46,100	23.05	23.05	1	80,000
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT	OUT OF PLANT
34,283	13,372	20,911	20.91	20.91	12:00 am	10:11AM

CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE	TIME	PLANT	Ticket No
5/9/2023	10:18AM	7295-141 PIER J	57018441
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Expires 04302023	
State NY CHARLES RICHARDS		Vulcan Materials Company	
Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
BRIGHTCORE ENERGY LLC		JASON			
ORDER:	1 Java St Project - Green Point Brooklyn			DELIVERED	
1735972	Java Street			Dispatch: 510770	
DESTINATION:	1 Java St Project - Green Point Brooklyn			ZONE/MILES	
2	1 Java Street				
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324					
TRUCK LICENSE VIG9		VIGOROUS INDUSTRIES (30791NB)		CARRIER 113366 HILLWICK INC	
30791NB		NJ TRIAXLE 80K GVW		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 05/04/2023 TARE EXPIRE 06/04/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
77,020	28,900 *	48,120	24.06	47.11	2
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
34,936	13,109	21,827	21.83	42.74	12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE	
DATE 5/9/2023	TIME 11:18AM	PLANT 7295-141 PIER J	Ticket No 57018457
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license 607264 State NY CHARLES RICHARDS			
		Charles Richards Expires 04302023 Invalid unless signed or initialed	Vulcan Materials Company

LIMITED WARRANTY AND WARRANTY DISCLAIMER: Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE. In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972		1 Java St Project - Green Point Brooklyn Java Street		DELIVERED Dispatch: 510770	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324					
TRUCK VIG9 LICENSE 30791NB FREIGHT TYPE A		VIGOROUS INDUSTRIES (30791NB) NJ TRIAXLE 80K GVW AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 05/04/2023 TARE EXPIRE 06/04/2023	
GROSS LBS (Scale 1) 78,700	TARE LBS (Scale 0) 28,900 *	NET LBS 49,800	TONS 24.90	TONS TODAY 72.01	LOADS TODAY 3
GROSS KG 35,698	TARE KG 13,109	NET KG 22,589	NET MG 22.59	MG TODAY 65.33	IN PLANT 12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X DRIVER			
DATE 5/16/2023	TIME 7:25AM	PLANT 7295-141 PIER J	Ticket No 57018959
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Expires 04302023	
State NY CHARLES RICHARDS		Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972		1 Java St Project - Green Point Brooklyn Java Street		DELIVERED Dispatch: 510801	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324					
TRUCK VIG9 LICENSE 30791NB FREIGHT TYPE A		VIGOROUS INDUSTRIES (30791NB) NJ TRIAXLE 80K GVW AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 05/04/2023 TARE EXPIRE 06/04/2023	
GROSS LBS (Scale 1) 79,000	TARE LBS (Scale 0) 28,900 *	NET LBS 50,100	TONS 25.05	TONS TODAY 50.02	LOADS TODAY 2
GROSS KG 35,834	TARE KG 13,109	NET KG 22,725	NET MG 22.72	MG TODAY 45.38	IN PLANT 7:22 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. I.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY:

X

DRIVER

CUSTOMER/CONSIGNEE

DATE

5/16/2023

TIME

7:10AM

PLANT

7295-141 PIER J

Ticket No

57018955

Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:

Public weighmaster license 607264

State NY

CHARLES RICHARDS

Expires

04302023

Vulcan Materials Company

Invalid unless signed or initialed

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
BRIGHTCORE ENERGY LLC		JASON			
ORDER: 1735972		1 Java St Project - Green Point Brooklyn Java Street		DELIVERED Dispatch: 510801	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324					
TRUCK 79814NC		LIMEROCK IND		CARRIER 113366 HILLWICK INC	
LICENSE 79814NC		NJ TRIAXLE 80K GVW		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 04/24/2023 TARE EXPIRE 05/25/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
79,420	29,480 *	49,940	24.97	24.97	1
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
36,024	13,372	22,652	22.65	22.65	12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

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RECEIVED BY:

DRIVER MIKE

CUSTOMER/CONSIGNEE

DATE 6/20/2023

TIME

6:21AM

PLANT

7295-141 PIER J

Ticket No

57020747

Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:

Public weighmaster license 607264

State NY

CHARLES RICHARDS

Charles Richards

Expires 04302023

Vulcan Materials Company

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
BRIGHTCORE ENERGY LLC		JASON			
ORDER: 1735972	1 Java St Project - Green Point Brooklyn 1 Java Street			DELIVERED	
DESTINATION: 2	1 Java St Project - Green Point Brooklyn 1 Java Street			Dispatch: 522277	
PRODUCT: 31152 NATURAL CONCRETE SAND-C33				ZONE/MILES	
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE H74	28TH STREET MASON NJ TRIAXLE 80K GVW		CARRIER 113366	HILLWICK INC	
FREIGHT TYPE A	AXLES 0		TRAILER ID NO	TRAILER ID NO	
GROSS LBS (Scale 1) 77,080	TARE LBS (Scale 0) 27,040 *	NET LBS 50,040	TARE DATE 06/01/2023	TARE EXPIRE 07/02/2023	
GROSS KG 34,963	TARE KG 12,265	NET KG 22,698	LOADS TODAY 1	GROSS LEGAL WT 80,000	
CASH SALE PER TON	MATERIAL	HAUL	IN PLANT 12:00 am	OUT OF PLANT 6:21AM	
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X DRIVER MIKE			
DATE 6/20/2023	TIME 7:59AM	PLANT 7295-141 PIER J	Ticket No 57020769
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Vulcan Materials Company	
State NY CHARLES RICHARDS		Expires 04302023	
Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972		1 Java St Project - Green Point Brooklyn 1 Java Street		DELIVERED Dispatch: 522277	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE H74 ax101a		28TH STREET MASON NJ TRIAXLE 80K GVW AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 06/01/2023 TARE EXPIRE 07/02/2023	
GROSS LBS (Scale 1) 79,980	TARE LBS (Scale 0) 27,040 *	NET LBS 52,940	TONS 26.47	TONS TODAY 51.49	LOADS TODAY 2
GROSS KG 36,278	TARE KG 12,265	NET KG 24,013	NET MG 24.01	MG TODAY 46.71	IN PLANT 12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

3 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER	SAM	9142032083
DATE	TIME	PLANT	Ticket No
7/6/2023	10:15AM	7295-141 PIER J	57021541
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Expires 04302023	
State NY CHARLES RICHARDS		Vulcan Materials Company Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
BRIGHTCORE ENERGY LLC		JASON			
ORDER:	1 Java St Project - Green Point Brooklyn		DELIVERED		
1735972	1 Java Street		Dispatch: 526747		
DESTINATION:	1 Java St Project - Green Point Brooklyn		ZONE/MILES		
2	1 Java Street				
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS:		JASON 215-850-5324 SAM 914-203-2083			
TRUCK	30791NB	VIG 9	CARRIER	113366	HILLWICK INC
LICENSE	30791NB	NY 7 Axle Trailer 120 GVW (Ty 6B Permit)	TRAILER ID NO		TRAILER ID NO
FREIGHT TYPE A		AXLES 0	TARE DATE	07/06/2023	TARE EXPIRE 08/06/2023
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
77,220	28,820 *	48,400	24.20	72.88	3
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,026	13,073	21,954	21.95	66.12	12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
			TAX	OTHER CHARGES	COD TOTAL
TOTAL	MATERIAL	HAUL	FINISH UNLOAD	JOB TIME	DELAY TIME
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD			

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



PELIGRO

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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE SAM 9142032083	
DATE 7/6/2023	TIME 8:28AM	PLANT 7295-141 PIER J	Ticket No 57021522
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license 607264 State NY CHARLES RICHARDS <i>Charles Richards</i> Expires 04302023 Invalid unless signed or initialed			

LIMITED WARRANTY AND WARRANTY DISCLAIMER: Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. **SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE.** In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972		1 Java St Project - Green Point Brooklyn 1 Java Street		DELIVERED Dispatch: 526747	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE 30791NB FREIGHT TYPE A		VIG 9 NY 7 Axle Trailer 120 GVW (Ty 6B Permit) AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 07/06/2023 TARE EXPIRE 08/06/2023	
GROSS LBS (Scale 1) 77,040	TARE LBS (Scale 0) 28,820 *	NET LBS 48,220	TONS 24.11	TONS TODAY 24.11	LOADS TODAY 1
GROSS KG 34,945	TARE KG 13,073	NET KG 21,872	NET MG 21.87	MG TODAY 21.87	IN PLANT 12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER	SAM	9142032083
DATE	TIME	PLANT	Ticket No
7/6/2023	9:26AM	7295-141 PIER J	57021533
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license 607264		Expires 04302023	
State NY CHARLES RICHARDS		 Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
BRIGHTCORE ENERGY LLC		JASON			
ORDER: 1735972		1 Java St Project - Green Point Brooklyn		DELIVERED	
		1 Java Street		Dispatch: 526747	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn		ZONE/MILES	
		1 Java Street			
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK 30791NB		VIG 9		CARRIER 113366 HILLWICK INC	
LICENSE 30791NB		NY 7 Axle Trailer 120 GVW (Ty 6B Permit)		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 07/06/2023 TARE EXPIRE 08/06/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
77,960	28,820 *	49,140	24.57	48.68	2
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,362	13,073	22,290	22.29	44.16	12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T

We make deliveries inside the curb line

Vulcan Materials Company

NEW YORK SAND & STONE, LLC

PIER J

63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

DANGER



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RECEIVED BY: X DRIVER <i>M#52</i>		CUSTOMER/CONSIGNEE SAM	
DATE 7/13/2023	TIME 7:28AM	PLANT 7295-141 PIER J	Ticket No 57021938
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license 607264 State NY CHARLES RICHARDS <i>Charles Richards</i> Expires 04302023 Vulcan Materials Company Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972	1 Java St Project - Green Point Brooklyn 1 Java Street			DELIVERED Dispatch: 527877	
DESTINATION: 2	1 Java St Project - Green Point Brooklyn 1 Java Street			ZONE/MILES	
PRODUCT: 31152 NATURAL CONCRETE SAND-C33					
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE AW427L FREIGHT TYPE A	MASON 28 #52 NY 7 Axle Trailer 120 GVW (Ty 6B Permit) AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO	TARE DATE 07/13/2023 TARE EXPIRE 08/13/2023	
GROSS LBS (Scale 1) 79,120	TARE LBS (Scale 2) 27,640	NET LBS 51,480	TONS 25.74	TONS TODAY 25.74	LOADS TODAY 1
GROSS KG 35,888	TARE KG 12,537	NET KG 23,351	NET MG 23.35	MG TODAY 23.35	GROSS LEGAL WT 120,000
CASH SALE PER TON	MATERIAL	HAUL	IN PLANT 7:12 am OUT OF PLANT 7:28AM		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB 7:55	START UNLOAD	FINISH UNLOAD 8:17	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
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Brooklyn, NY 11205

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RECEIVED BY: X DRIVER <i>N#52</i>		CUSTOMER/CONSIGNEE SAM 9142032083	
DATE 7/13/2023	TIME 9:45AM	PLANT 7295-141 PIER J	Ticket No 57021964
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license 607264 State NY CHARLES RICHARDS <i>Charles Richards</i> Expires 04302023 Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972		1 Java St Project - Green Point Brooklyn 1 Java Street		DELIVERED Dispatch: 527877	
DESTINATION: 2		1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES	
PRODUCT: 31152		NATURAL CONCRETE SAND-C33			
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE AW427L		MASON 28 #52 NY 7 Axle Trailer 120 GVW (Ty 6B Permit) AXLES 0		CARRIER 113366 HILLWICK INC TRAILER ID NO TARE DATE 07/13/2023 TARE EXPIRE 08/13/2023	
GROSS LBS (Scale 1) 78,820	TARE LBS (Scale 0) 27,640	NET LBS 51,180	TONS 25.59	TONS TODAY 77.00	LOADS TODAY 3
GROSS KG 35,752	TARE KG 12,537	NET KG 23,215	NET MG 23.21	MG TODAY 69.85	IN PLANT 12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB 1009	START UNLOAD	FINISH UNLOAD 1050	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

NEW YORK SAND & STONE, LLC
PIER J
63 Flushing Avenue Brooklyn Navy Yard Pier J
Brooklyn, NY 11205

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RECEIVED BY: X DRIVER <i>M#50</i>		CUSTOMER/CONSIGNEE SAM	
DATE 7/13/2023	TIME 8:41AM	PLANT 7295-141 PIER J	Ticket No 57021953
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license 607264 State NY CHARLES RICHARDS <i>Charles Richards</i> Expires 04302023 Vulcan Materials Company Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 8548836 CK# BRIGHTCORE ENERGY LLC		CUSTOMER PURCHASE ORDER: JASON		GOVT CONTRACT:	
ORDER: 1735972	1 Java St Project - Green Point Brooklyn 1 Java Street		DELIVERED Dispatch: 527877		
DESTINATION: 2	1 Java St Project - Green Point Brooklyn 1 Java Street		ZONE/MILES		
PRODUCT: 31152 NATURAL CONCRETE SAND-C33					
COMMENTS: JASON 215-850-5324 SAM 914-203-2083					
TRUCK LICENSE FREIGHT TYPE A	AW427L AW427L A	MASON 28 #52 NY 7 Axle Trailer 120 GVW (Ty 6B Permit) AXLES 0	CARRIER TRAILER ID NO TARE DATE	113366 HILLWICK INC 07/13/2023	TARE EXPIRE 08/13/2023
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
78,980	27,640 *	51,340	25.67	51.41	2
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,825	12,537	23,287	23.29	46.64	12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGES		
TOTAL	MATERIAL	HAUL	TAX	COD TOTAL	
FREIGHT TIME REPORT	ARRIVE JOB 9:00	START UNLOAD	FINISH UNLOAD 9:14	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P. T.

Imported Materials Documentation:
Vulcan Hamburg - C-33 MFG Sand
(Provided Separately)

Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

DANGER



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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE 3/27/2023	TIME 4:07AM	PLANT 7288-112 HAMBURG	Ticket No 54045316
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications.			
Public weighmaster license		Expires	
State NY	DONALD J SMITH	Vulcan Materials Company	
		Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER:	Java Street, Brooklyn	DELIVERED			
1691357	1 Java St.	Dispatch: 498077			
DESTINATION:	Java Street, Brooklyn	ZONE/MILES			
2	1 Java St.	55 MILES			
PRODUCT: 30970 C-33 MFG SAND					
COMMENTS: Craig 917-217-6415					
TRUCK E6911		2022 KENWORTH		CARRIER 118465 KMT TRUCKING LLC	
LICENSE w617951		Triaxle		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 03/27/2023 TARE EXPIRE 04/27/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 1)	NET LBS	TONS	TONS TODAY	LOADS TODAY
79,300	27,280	52,020	26.01	26.01	1
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,970	12,374	23,596	23.60	23.60	3:49 am
CASH SALE PER TON	MATERIAL	HAUL	GROSS LEGAL WT 80,000		
			OUT OF PLANT 4:07AM		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

Vulcan Materials Company

HAMBURG QUARRY, LLC

HAMBURG

3620 Route 23

Hamburg, NJ 07419

DANGER



PELIGRO

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X. DRIVER			
DATE 3/27/2023	TIME 4:10AM	PLANT 7288-112 HAMBURG	Ticket No 54045319
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license		Expires	
State NY	DONALD J SMITH	Vulcan Materials Company	
		Invalid unless signed or initialed	

LIMITED WARRANTY AND WARRANTY DISCLAIMER: Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. **SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE.** In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, **SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.**

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

AS EVIDENCED BY SIGNATURE, OR DEPARTURE FROM SELLER'S FACILITY, CARRIER ACKNOWLEDGES THAT CARRIER IS SOLELY RESPONSIBLE FOR THE ACCURACY OF THIS VEHICLE'S TARE WEIGHT, AXLE WEIGHTS AND GROSS WEIGHT. CARRIER SHALL BE RESPONSIBLE FOR NOTIFYING SELLER WHEN ANY TRUCK OR TRAILER HAS BEEN OVERLOADED SO AS TO RENDER IT OUT OF COMPLIANCE WITH ANY APPLICABLE WEIGHT LIMITS. TO THE MAXIMUM EXTENT ALLOWED BY LAW, CARRIER SHALL INDEMNIFY SELLER FOR ANY LOSS CAUSED BY OVERLOADING.

TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER: 5341-14		GOVT CONTRACT:	
TREVCON CONSTRUCTION		Java Street, Brooklyn 1 Java St.		DELIVERED Dispatch: 498077	
ORDER: 1691357		Java Street, Brooklyn 1 Java St. Craig 917-217-6415		ZONE/MILES	
DESTINATION: 2		C-33 MFG SAND			
PRODUCT: 30970		COMMENTS: Craig 917-217-6415			
TRUCK LICENSE E6917		2023 KENWORTH Triaxle		CARRIER 118465	
FREIGHT TYPE A		AXLES 0		TRAILER ID NO	
GROSS LBS (Scale 1) 78,540		TARE LBS (Scale 0) 27,460 *		TARE DATE 03/22/2023	
GROSS KG 35,625		TARE KG 12,456		LOADS TODAY 3	
		NET LBS 51,080		TARE EXPIRE 04/22/2023	
		NET KG 23,169		GROSS LEGAL WT 80,000	
CASH SALE PER TON		HAUL		OUT OF PLANT 4:10AM	
TOTAL		HAUL		IN PLANT 3:51 am	
FREIGHT TIME REPORT		START UNLOAD		FINISH UNLOAD	
				JOB TIME	
				DELAY TIME	
				COD TOTAL	

We make deliveries inside the curb line at the customer's risk only and accept no responsibility whatsoever for damage resulting from such deliveries.

* P.T.

Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE	
DATE 3/27/2023	TIME 4:08AM	PLANT 7288-112 HAMBURG	Ticket No 54045317
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license State NY DONALD J SMITH			
		Expires	Vulcan Materials Company
Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK# TREVCON CONSTRUCTION		CUSTOMER PURCHASE ORDER: 5341-14		GOVT CONTRACT:	
ORDER: 1691357	Java Street, Brooklyn 1 Java St.		DELIVERED Dispatch: 498077		
DESTINATION: 2	Java Street, Brooklyn 1 Java St. Craig 917-217-6415		ZONE/MILES		
PRODUCT: 30970	C-33 MFG SAND				
COMMENTS: Craig 917-217-6415					
TRUCK LICENSE FREIGHT TYPE A	E6887 X659362 A	2023 KENWORTH NJ TRIAXLE 80K GVW AXLES 0		CARRIER TRAILER ID NO TARE DATE	118465 KMT TRUCKING LLC TRAILER ID NO 03/27/2023
GROSS LBS (Scale 1) 79,980		TARE LBS (Scale 1) 28,780	NET LBS 51,200	TONS 25.60	TONS TODAY 51.61
GROSS KG 36,278		TARE KG 13,054	NET KG 23,224	NET MG 23.22	MG TODAY 46.82
CASH SALE PER TON		MATERIAL	HAUL	OTHER CHARGE	
TOTAL		MATERIAL	HAUL	TAX	OTHER CHARGES
FREIGHT TIME REPORT		ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME
					DELAY TIME
					COD TOTAL

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Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE	TIME	PLANT	Ticket No
3/27/2023	4:18AM	7288-112 HAMBURG	54045321
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications.			
Public weighmaster license		Expires	
State	NY	DONALD J SMITH	
		Vulcan Materials Company	
		Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER:	Java Street, Brooklyn			DELIVERED	
1691357	1 Java St.			Dispatch: 498077	
DESTINATION:	Java Street, Brooklyn			ZONE/MILES	
2	1 Java St.				
	Craig 917-217-6415				
PRODUCT: 30970		C-33 MFG SAND			

COMMENTS: Craig 917-217-6415

TRUCK E6608		2024 KENWORTH		CARRIER 118465		KMT TRUCKING LLC	
LICENSE Z069654		NJ TRIAXLE 80K GVW		TRAILER ID NO		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 03/27/2023		TARE EXPIRE 04/27/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 2)	NET LBS	TONS	TONS TODAY	LOADS TODAY	GROSS LEGAL WT	
79,960	28,900	51,060	25.53	102.68	4	80,000	
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT	OUT OF PLANT	
36,269	13,109	23,160	23.16	93.15	4:11 am	4:18AM	
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE				
		HAUL	TAX	OTHER CHARGES		COD TOTAL	
TOTAL	MATERIAL	START UNLOAD	FINISH UNLOAD	JOB TIME		DELAY TIME	
FREIGHT TIME REPORT	ARRIVE JOB						

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Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE 	
DATE 3/28/2023	TIME 4:02AM	PLANT 7288-112 HAMBURG	Ticket No 54045376
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license State NY DONALD J SMITH			Expires Vulcan Materials Company Invalid unless signed or initialed

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK# TREVCON CONSTRUCTION		CUSTOMER PURCHASE ORDER: 5341-14		GOVT CONTRACT:	
ORDER: 1691357	Java Street, Brooklyn 1 Java St.			DELIVERED Dispatch: 498532	
DESTINATION: 2	Java Street, Brooklyn 1 Java St. Craig 917-217-6415			ZONE/MILES 54 MILES	
PRODUCT: 30970	C-33 MFG SAND				
COMMENTS: Craig 917-217-6415					
TRUCK LICENSE FREIGHT TYPE A	E6608 Z069654	2024 KENWORTH NJ TRIAXLE 80K GVW AXLES 0		CARRIER 118465 TRAILER ID NO TARE DATE 03/27/2023	KMT TRUCKING LLC TRAILER ID NO TARE EXPIRE 04/27/2023
GROSS LBS (Scale 1) 79,800	TARE LBS (Scale 0) 28,900 *	NET LBS 50,900	TONS 25.45	TONS TODAY 51.69	LOADS TODAY 2
GROSS KG 36,197	TARE KG 13,109	NET KG 23,088	NET MG 23.09	MG TODAY 46.89	IN PLANT 3:47 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X DRIVER	DATE 3/28/2023	TIME 5:59AM	Ticket No 54045388
PLANT 7288-112 HAMBURG			
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license		Expires	
State NY	DONALD J SMITH	Vulcan Materials Company	
Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER: 1691357		Java Street, Brooklyn 1 Java St.		DELIVERED Dispatch: 498532	
DESTINATION: 2		Java Street, Brooklyn 1 Java St. Craig 917-217-6415		ZONE/MILES	
PRODUCT: 30970		C-33 MFG SAND			
COMMENTS: Craig 917-217-6415					
TRUCK E6909		2019 KENWORTH		CARRIER 118465 KMT TRUCKING LLC	
LICENSE AU517N		Triaxle		TRAILER ID NO	
FREIGHT TYPE A		AXLES 0		TARE DATE 03/28/2023 TARE EXPIRE 04/28/2023	
GROSS LBS (Scale 1)	TARE LBS (Scale 1)	NET LBS	TONS	TONS TODAY	LOADS TODAY
79,420	28,700	50,720	25.36	77.05	3
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
36,024	13,018	23,006	23.01	69.90	5:45 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE	TIME	PLANT	Ticket No
3/28/2023	4:01AM	7288-112 HAMBURG	54045375
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license		Expires	
State	NY	Vulcan Materials Company	
DONALD J SMITH			
Invalid unless signed or initialed			

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER:	Java Street, Brooklyn			DELIVERED	
1691357	1 Java St.			Dispatch: 498532	
DESTINATION:	Java Street, Brooklyn			ZONE/MILES	
2	1 Java St.				
PRODUCT: 30970			C-33 MFG SAND		
COMMENTS: Craig 917-217-6415					
TRUCK	E6917	2023 KENWORTH		CARRIER	118465 KMT TRUCKING LLC
LICENSE	AU948Z	Triaxle		TRAILER ID NO	TRAILER ID NO
FREIGHT TYPE	A	AXLES 0		TARE DATE	03/22/2023 TARE EXPIRE 04/22/2023
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
79,940	27,460 *	52,480	26.24	26.24	1
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
36,260	12,456	23,805	23.80	23.80	3:50 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P.

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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER	R.H.H.	
DATE	TIME	PLANT	Ticket No
3/27/2023	1:00PM	7288-112 HAMBURG	54045364
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license		Expires	
State	NY	Vulcan Materials Company	
DONALD J SMITH		Invalid unless signed or initialed	

LIMITED WARRANTY AND WARRANTY DISCLAIMER: Seller warrants for a period of one (1) year from date of delivery only that the material sold hereunder substantially complies with Seller's specification for said material or the specifications set forth in the Seller's quotation. SELLER HEREBY EXCLUDES ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PURPOSE, AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF THE MATERIAL SOLD HEREUNDER, OTHER THAN THE EXPRESS WARRANTY STATED ABOVE. In addition, except to the extent otherwise set forth in the specification described above, Seller makes no warranty whatsoever with respect to specific gravity, absorption, whether the material is innocuous, non-deleterious, or non-reactive, or whether the material is in conformance with any plans, other specifications, regulations, ordinances, statutes, or other standards applicable to customer's job or to said material as used by customer, SELLER SHALL IN NO EVENT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE CAUSED BY NON-COMPLIANCE OF THE MATERIAL WITH SPECIFICATION, OR FOR ANY DEFECTS IN THE MATERIALS SOLD HEREUNDER.

ALL SALES AND DELIVERS MADE SUBJECT TO SELLER'S GENERAL TERMS AND CONDITIONS.

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER:	Java Street, Brooklyn			DELIVERED	
1691357	1 Java St.			Dispatch: 498532	
DESTINATION:	Java Street, Brooklyn			ZONE/MILES	
2	1 Java St.				
PRODUCT: 30970		C-33 MFG SAND			
COMMENTS: Craig 917-217-6415					
TRUCK	E6911	2022 KENWORTH		CARRIER	118465 KMT TRUCKING LLC
LICENSE	w617951	Triaxle		TRAILER ID NO	TRAILER ID NO
FREIGHT TYPE A		AXLES 0		TARE DATE	03/27/2023 TARE EXPIRE 04/27/2023
GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
78,860	27,280 *	51,580	25.79	128.47	5
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT
35,770	12,374	23,396	23.40	116.55	12:51 pm
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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* P. T.

Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

DANGER



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RECEIVED BY:		CUSTOMER/CONSIGNEE	
X	DRIVER		
DATE	TIME	PLANT	Ticket No
3/28/2023	1:11PM	7288-112 HAMBURG	54045410
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license		Expires	
State	NY	Vulcan Materials Company	
DONALD J SMITH		Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK#		CUSTOMER PURCHASE ORDER:		GOVT CONTRACT:	
TREVCON CONSTRUCTION		5341-14			
ORDER:	Java Street, Brooklyn		DELIVERED		
1691357	1 Java St.		Dispatch: 498924		
DESTINATION:	Java Street, Brooklyn		ZONE/MILES		
2	1 Java St.				
PRODUCT: 30970		C-33 MFG SAND			
COMMENTS: Craig 917-217-6415					
TRUCK LICENSE E6601		2021 KENWORTH		CARRIER 118465 KMT TRUCKING LLC	
FREIGHT TYPE A		Triaxle		TRAILER ID NO	
GROSS LBS (Scale 1)		AXLES 0		TARE DATE 03/21/2023 TARE EXPIRE 04/21/2023	
79,020	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY
	28,900 *	50,120	25.06	128.12	5
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	GROSS LEGAL WT
35,843	13,109	22,734	22.73	116.23	80,000
CASH SALE PER TON	MATERIAL	HAUL	IN PLANT 12:59 pm		OUT OF PLANT 1:11PM
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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Vulcan Materials Company

HAMBURG QUARRY, LLC
HAMBURG
3620 Route 23
Hamburg, NJ 07419

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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE	
DATE 3/28/2023	TIME 12:26PM	PLANT 7288-112 HAMBURG	Ticket No 54045406
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications: Public weighmaster license State NY DONALD J SMITH			
		Expires Vulcan Materials Company Invalid unless signed or initialed	

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK# TREVCON CONSTRUCTION		CUSTOMER PURCHASE ORDER: 5341-14	GOVT CONTRACT:
ORDER: 1691357	Java Street, Brooklyn 1 Java St.	DELIVERED Dispatch: 498924	
DESTINATION: 2	Java Street, Brooklyn 1 Java St. Craig 917-217-6415	ZONE/MILES	
PRODUCT: 30970	C-33 MFG SAND		

COMMENTS: Craig 917-217-6415

TRUCK E6917 2023 KENWORTH	CARRIER 118465 KMT TRUCKING LLC
LICENSE AU948Z Triaxle	TRAILER ID NO TRAILER ID NO
FREIGHT TYPE A AXLES 0	TARE DATE 03/22/2023 TARE EXPIRE 04/22/2023

GROSS LBS (Scale 1)	TARE LBS (Scale 0)	NET LBS	TONS	TONS TODAY	LOADS TODAY	GROSS LEGAL WT
79,480	27,460 *	52,020	26.01	103.06	4	80,000
GROSS KG	TARE KG	NET KG	NET MG	MG TODAY	IN PLANT	OUT OF PLANT
36,052	12,456	23,596	23.60	93.49	12:18 pm	12:26PM

CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE
TOTAL	MATERIAL	HAUL	TAX
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD

OTHER CHARGES COD TOTAL

JOB TIME DELAY TIME

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HAMBURG
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RECEIVED BY: X DRIVER		CUSTOMER/CONSIGNEE	
DATE 4/10/2023	TIME 3:55AM	PLANT 7288-112 HAMBURG	Ticket No 54045805
Note: When initialized below the aggregate shipped under this certificate has been tested and conforms to the requirements of VDOT except for crushed concrete and other non-specification products not listed in the VDOT standard specifications:			
Public weighmaster license State NY PAUL D BICSAK		<i>Paul Bicsak</i>	Expires Vulcan Materials Company Invalid unless signed or initialed

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TRUCK TARE AND GROSS WEIGHTS ARE DETERMINED WITH THE DRIVER IN THE VEHICLE.

CUSTOMER: 6377402 CK# TREVCON CONSTRUCTION		CUSTOMER PURCHASE ORDER: 5341-14		GOVT CONTRACT:	
ORDER: 1691357	Java Street, Brooklyn 1 Java St.		DELIVERED Dispatch: 502212		
DESTINATION: 2	Java Street, Brooklyn 1 Java St. Craig 917-217-6415		ZONE/MILES 2 MILES		
PRODUCT: 30970 C-33 MFG SAND					
COMMENTS: Craig 917-217-6415					
TRUCK LICENSE FREIGHT TYPE A	E1317 AX101A A	2018 PETERBILT Triaxle AXLES 0		CARRIER 113366 TRAILER ID NO TARE DATE 03/28/2023	HILLWICK INC TRAILER ID NO TARE EXPIRE 04/28/2023
GROSS LBS (Scale 1) 79,260	TARE LBS (Scale 0) 26,800 *	NET LBS 52,460	TONS 26.23	TONS TODAY 26.23	LOADS TODAY 1
GROSS KG 35,952	TARE KG 12,156	NET KG 23,795	NET MG 23.80	MG TODAY 23.80	IN PLANT 12:00 am
CASH SALE PER TON	MATERIAL	HAUL	OTHER CHARGE		
TOTAL	MATERIAL	HAUL	TAX	OTHER CHARGES	COD TOTAL
FREIGHT TIME REPORT	ARRIVE JOB	START UNLOAD	FINISH UNLOAD	JOB TIME	DELAY TIME

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