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Memorandum

To:	Ms. Stephanie Fitzgerald Environmental Engineer New York State Department of Environmental Conservation Division of Environmental Remediation, Remedial Bureau C 615 Erie Boulevard West Syracuse, New York 13204-2400
From:	Ryan S. Jorrey, PG (CA, PA) Senior Project Manager TRC Engineers, Inc.
Subject:	Supplemental Remedial Investigation Findings Brillo Landfill - Site No. 706013 Standby Engineering Services Contract Work Assignment No. D009812-08
Date:	September 22, 2021
CC:	Jim Magda, TRC David Glass, TRC
TRC Project No.:	394401.0000.0000

TRC Engineers, Inc. (TRC) has prepared this memorandum to summarize the findings of the June 2021 Supplemental Remedial Investigation (RI) completed at and around the Brillo Landfill Site (New York State Department of Environmental Conservation (NYSDEC) Site No. 706013) located in the Town of Victory, Cayuga County, New York (the Site). The goal of the Supplemental RI was to further characterize surface water and sediment at on- and off-Site locations to support evaluation of the Site for potential listing on the National Priorities List (NPL) by the United States Environmental Protection Agency (USEPA). The investigation consisted primarily of completion of sediment and surface water sample collection and analysis, in coordination with USEPA wetland mapping activities at the Site.

The Supplemental RI activities described in this memorandum were completed by TRC between June 14 and 18, 2021, in general accordance with the NYSDEC-approved Scope of Work (SOW), dated May 28, 2021. The supplemental surface water and sediment sampling locations are shown on **Figure 1.**

Supplemental Remedial Investigation Activities

As stated above, between June 14 and June 18, 2021, TRC completed supplemental surface water and sediment sampling at and around the Site. Where possible (i.e., in locations where surface water was present), sediment and surface water samples were collected at co-locations. A total of 16 surface water samples and 54 sediment samples from 27 sampling locations were collected from on- and off-Site areas. In total, samples were collected

at 16 on-Site locations (BLF-WS/SE-112 through BLF-WS/SE-126 and BLF-WS/SE-138) and 11 off-Site locations (BLF-WS/SE-127 through BLF-WS/SE-137). Surface water and sediment sampling locations were selected by the USEPA.

Surface water samples were collected as "grab" type samples using dedicated sampling equipment. Following collection of each surface water sample (where applicable), sediment samples were collected from two intervals (0 to 0.5 feet below sediment surface [bss] and 0.5 to 1 feet bss) using hand-held tools and a hand auger equipped with a sludge sampler to prevent the loss of solids during sample retrieval. Each sampling location was marked in the field and global positioning system (GPS) coordinates were collected for each location by TRC field personnel. The surface water and sediment sample locations are shown on **Figure 1.** Copies of the Daily Field Activity Reports (DFARs) are provided in **Appendix A**

The surface water and sediment samples were submitted to the Eurofins TestAmerica laboratory in Amherst, New York (Eurofins), under NYSDEC Standby Laboratory Services Contract C100700, for the following analyses:

- Target Compound List (TCL) volatile organic compounds (VOCs) +10 Tentatively Identified Compounds (TICs);
- TCL semi-volatile organic compounds (SVOCs) +20 TICs;
- Target Analyte List (TAL) metals and cyanide;
- Polychlorinated biphenyls (PCBs);
- Per- and polyfluoroalkyl substances (PFAS);
- 1,4-dioxane;
- Hardness (surface water only);
- Total organic carbon (TOC) (sediment only); and
- Grain size (sieve) analysis (sediment only).

Sample collection activities were completed in accordance with DER-10, Technical Guidance for Site Investigation and Remediation, Guidelines for Sampling and Analysis of PFAS under NYSDEC's Part 375 Programs (NYSDEC PFAS Guidance), the Health and Safety Plan (HASP), and the Standby Engineering Contract generic Field Activities Plan (FAP) and Quality Assurance Project Plan (QAPP). Additional information regarding sampling procedures is presented below.

- Samples selected for analysis of PFAS were containerized first at each location.
- Equipment blanks were collected in accordance with the QAPP (i.e., at a frequency of one per piece of non-dedicated sampling equipment per day), utilizing water provided and certified to not contain PFAS by the laboratory.

- One field duplicate and one matrix spike/matrix spike duplicate (MS/MSD) sample in accordance with the QAPP, were submitted to the laboratory for analysis at a frequency of one per 20 samples per matrix (excluding hardness, TOC, and grain size).
- One trip blank, analyzed for TCL VOCs +10 TICs, was included with each shipment of coolers containing aqueous samples.
- NYSDEC Analytical Services Protocol (ASP) Category B data deliverable packages and Electronic Data Deliverables (EDDs) in EQuIS format were furnished by the laboratory (excluding hardness, TOC, and grain size).
- Data Usability Summary Reports (DUSRs) will be prepared for the surface water and sediment analytical results with NYSDEC ASP Category B data deliverable packages.

Results

Surface Water Sampling Results

Surface water was present at 16 of the 27 sampling locations (BLF-WS-113, BLF-WS-117, BLF-WS-123, and BLF-WS-126 through BLF-WS-138). Surface water samples were collected from various types of water bodies, including a ponded area within a wetland (BLF-WS-113), areas of channelized water flow (BLF-WS-117 and BLF-WS-123), standing water (BLF-WS-126), and Sterling Creek (BLF-WS-127 through BLF-WS-138). No visual or olfactory evidence of contamination (i.e., sheen, staining, or odors) was observed at the surface water sampling locations. Summaries of the results of the analyses of the surface water samples are presented in **Table 1A** through **Table 1D**.

Surface water samples were evaluated by comparison to the following criteria:

- NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values for Class GA Water;
- NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values for Class C Surface Water; and
- NYSDEC PFAS Guidance.

A discussion of the results of the analyses of surface water samples is presented below.

VOCs in Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for VOCs. There were no VOCs detected at concentrations above the Class GA Values or Class C Surface Water Values in any of the surface water samples. The complete results of the analyses for VOCs of surface water samples are presented in **Table 1A**.

SVOCs in Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for SVOCs. There were no SVOCs detected at concentrations above the Class GA Values or Class C Surface Water Values in any of the surface water samples. The complete results of the analyses for SVOCs of surface water samples are presented in **Table 1B**.

Metals and Cyanide in Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for metals and cyanide. Excluding iron, manganese, and sodium, metals were detected at concentrations above Class GA Values in three samples and above the Class C Surface Water Values in four samples. Additionally, cyanide was detected at concentrations exceeding the Class C Surface Water Value in one sample (BLF-WS-117). Presented in the table below is a summary of the metals and cyanide detected above the Class GA Values and Class C Surface Water Values in surface water samples. The complete results of the analyses for metals and cyanide of surface water samples are presented in **Table 1C**.

Metals and Cyanide Concentrations Above Class GA and Class C Surface Water Values Detected in Unfiltered Surface Water Samples
June 2021

		Sample ID	BLF-WS-113	BLF-WS-117	BLF-WS-127	BLF-WS-135	BLF-WS-138
Analyte	**Class GA Value (ug/L)**	**Class C Value (ug/L)**	**Result (ug/L)**	**Result (ug/L)**	**Result (ug/L)**	**Result (ug/L)**	**Result (ug/L)**
Arsenic	25	150	**28**	15 U	**28**	21	22
Cobalt	NS	5	**7.3**	4 U	**11**	**10**	**20**
Lead	25	NS	18	10 U	**43**	14	**61**
Vanadium	NS	14	5.9	5 U	**36**	**21**	**43**
Mercury	0.7	0.0007	0.2 U	0.2 U	**0.28**	**0.15 J**	**0.37**
Cyanide	200	5.2	10 U F1 F2	**10**	10 U	10 U	10 U

Notes:
Iron, manganese and sodium results are not included in the table above.
Bold value indicates result above Class GA Value and/or Class C Surface Water Value.
U – Analyte was not detected at the specified quantitation limit.
J – Estimated value.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD RPD exceeds control limits.
NS – No NYSDEC standard.
ug/L – Micrograms per liter.

PCBs in Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for PCBs. Of the 16 surface water samples, only one sample exhibited PCB concentrations above the Class GA Value of 0.09 ug/L and Class C Surface Water Value of 0.000001 ug/L. PCBs were detected at a concentration of 2.4

ug/L in the surface water sample collected on-Site at location BLF-WS-113. There were no PCBs detected at concentrations above the Class GA Values or Class C Surface Water Values in any of the surface water samples collected off-Site. The complete results of the analyses for PCBs of surface water samples are presented in **Table 1C**.

PFAS and 1,4-Dioxane in Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for PFAS and 1,4-dioxane. Of the 16 surface water samples collected, two samples, both collected on-Site, exhibited concentrations of perfluorooctanesulfonic acid (PFOS) above the NYSDEC Guidance Value of 10 ng/L. Concentrations of PFOS exceeding the NYSDEC Guidance Value ranged from 74 ng/L in surface water sample BLF-WS-113 to 80 ng/L in surface water sample BLF-WS-123. There were no PFAS compounds detected at concentrations above the NYSDEC Guidance Values in any of the surface water samples collected off-Site. Additionally, 1,4-dioxane was not detected in any of the 16 surface water samples. The complete results of the analyses for PFAS and 1,4-dioxane of surface water samples are presented in **Table 1D**.

Hardness of Surface Water

All 16 surface water samples collected during the June 2021 surface water sampling program were analyzed for hardness. Hardness values ranged from 257,320 ug/L in surface water sample BLF-WS-128 to 662,709 ug/L in surface water sample BLF-WS-113. The complete results of the analyses for hardness of surface water samples are presented in **Table 1C**.

Sediment Sampling Results

A total of 54 sediment samples were collected from 27 sampling locations during the June 2021 sediment sampling program. No evidence of contamination (i.e., sheen, staining, or odors) was observed at the sediment sampling locations. Summaries of the results of the analyses of the sediment samples are presented in **Table 2A** through **Table 2D**.

Sediment samples were evaluated by comparison to the following criteria:

- Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375, Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives (UUSCOs); and
- NYSDEC PFAS Guidance.

Consistent with previous investigation activities, sediment sample results were not evaluated by comparison to the Freshwater Sediment Guidance Values for Class C Sediment (Class C SGVs) presented in "Screening and Assessment of Contaminated Sediment," NYSDEC (Table 5).

A discussion of the results of the analyses of sediment samples is presented below. Results of grain size (sieve) analysis is presented in **Appendix B**.

VOCs in Sediment

All 54 sediment samples from 27 sampling locations collected during the June 2021 sediment sampling program were analyzed for VOCs. With the exception of 2-butanone and acetone, which are common laboratory contaminants, only one VOC, cis-1,2-dichloroethene, was detected at a concentration above the UUSCO in one of the 54 sediment samples. Cis-1,2-dichloroethene was detected at a concentration of 0.89 mg/kg at on-Site location BLF-SE-114 (0 to 0.5 feet bss). The complete results of the analyses of the sediment samples for VOCs are presented in **Table 2A**.

SVOCs in Sediment

All 54 sediment samples from 27 sampling locations collected during the June 2021 sediment sampling program were analyzed for SVOCs. Only one SVOC, 4-methylphenol, was detected at a concentration above the UUSCO in one of the 54 sediment samples. 4-Methylphenol was detected at a concentration of 15 mg/kg at on-Site location BLF-SE-116 (0.5 to 1 feet bss). The complete results of the analyses of the sediment samples for SVOCs are presented in **Table 2B**.

Metals and Cyanide in Sediment

All 54 sediment samples from 27 sampling locations collected during the June 2021 sediment sampling program were analyzed for metals and cyanide. All 54 sediment samples exhibited concentrations of metals above UUSCOs. The metal most frequently detected at concentrations above the UUSCO was chromium (based on comparison of the results of analyses for total chromium to the UUSCO for hexavalent chromium of 1 mg/kg). Chromium concentrations above 1 mg/kg ranged from 2.6 mg/kg in sediment sample BLF-SE-123 (0 to 0.5 feet bss) to 784 mg/kg in sediment sample BLF-SE-114 (0 to 0.5 feet bss). Cyanide was not detected at concentrations above the UUSCO in any of the 54 samples. Presented in the table below is a summary of metals detected above the UUSCOs in sediment samples. Due to frequency of detections at concentrations above the UUSCO, chromium has been excluded from the summary table below. The complete results of the analyses for metals and cyanide of sediment samples are presented in **Table 2C**.

Metals and Cyanide Concentrations Above Unrestricted Use SCOs Detected in Sediment Samples June 2021					
Sample ID		**BLF-SE-113**		**BLF-SE-114**	
Sample Depth (feet bss)		**0 – 0.5**	**0.5 – 1**	**0 – 0.5**	**0.5 – 1**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	13	**30.5**	11.7	4.6 J	3.8 J
Barium	350	**385 F1**	**384**	**1,140**	**451**
Cadmium	2.5	1.7	0.51 J	**4.5**	0.96
Copper	50	**81.7**	**95.7**	**214**	**75.1**
Lead	63	**103 F2**	21.5	**1,690**	36.6
Nickel	30	**32.1**	20.4 J	**132**	**80.8**
Selenium	3.9	**7.4 J**	**8 J**	2.7 J	**7.1 J**
Zinc	109	**110**	58.8	**260**	89.5
Mercury	0.18	**0.3**	**0.22**	**0.46**	**0.34**
Sample ID		**BLF-SE-115**		**BLF-SE-116**	
Sample Depth (feet bss)		**0 – 0.5**	**0.5 – 1**	**0 – 0.5**	**0.5 – 1**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	13	2.9 J	2.4 J	2.2 J	14.5 U
Barium	350	304	281	249	**499**
Cadmium	2.5	1.3	1.7	1.2	1.6
Copper	50	**495**	**83.2**	**58.1**	16.3
Lead	63	**153**	6.6	30.3	61
Nickel	30	**662**	**90**	**102**	11.3 J
Selenium	3.9	3 J	**9.3 J**	15.5 U	28.9 U
Zinc	109	**238**	99.1	94.3	**132**
Mercury	0.18	**0.26**	**0.2**	**0.22**	0.17
Sample ID		**BLF-SE-118**	**BLF-SE-121**		**BLF-SE-122**
Sample Depth (feet bss)		**0 – 0.5**	**0 – 0.5**	**0.5 – 1**	**0 – 0.5**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	13	2.1 J	8.6 J	7.9 J	3.5 J
Barium	350	289	338	**386**	256
Cadmium	2.5	0.92	1.3 J	1.7 J	0.65 J
Copper	50	30.2	32.8	**72.8**	15.9
Lead	63	16.9	47.8 B	30 B	20.5 B
Nickel	30	20.1	6.6 J	11.7 J	12.8 J
Selenium	3.9	2.6 J	36.7 U	**4.9 J**	3.1 J
Zinc	109	58.8	**125**	**129**	47.9
Mercury	0.18	**0.28**	0.072 J	**0.26**	**0.21**

Metals and Cyanide Concentrations Above Unrestricted Use SCOs Detected in Sediment Samples June 2021					
Sample ID		**BLF-SE-126**		**BLF-SE-127**	
Sample Depth (feet bss)		**0 – 0.5**	**0.5 – 1**	**0 – 0.5**	**0.5 – 1**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
Arsenic	13	2.8 J	2 J	7.1 J	2.9 J
Barium	350	152	154	322	**388**
Cadmium	2.5	0.81	0.77	1.5	1.5
Copper	50	42.1	39.4	40.6	**52.2**
Lead	63	29.1 B	11.8 B	38.7 B	16.6 B
Nickel	30	12.3 J	13.7 J	16.6 J	18.8
Selenium	3.9	2.3 J	3.1 J	3.3 J	2.8 J
Zinc	109	89.3	64.5	**114**	**130**
Mercury	0.18	**0.24**	**0.21**	**0.2**	**0.27**
Sample ID		**BLF-SE-136**	**BLF-SE-137**		
Sample Depth (feet bss)		**0.5 – 1**	**0 – 0.5**		
Analyte	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**		
Arsenic	13	3.7 J	4.4 J		
Barium	350	269 ^6+	198 ^6+		
Cadmium	2.5	0.52	0.85		
Copper	50	18	36.2		
Lead	63	16.8	33.3		
Nickel	30	28.6	17.4 J		
Selenium	3.9	2.5 J	15.3 U		
Zinc	109	**138**	101		
Mercury	0.18	0.1	**0.2**		

Notes:
Bold value indicates result above Unrestricted Use SCO (UUSCO).
U – Analyte was not detected at the specified quantitation limit.
bss – Below sediment surface.
J – Estimated value.
B – Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD RPD exceeds control limits.
^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limit, biased high.
mg/kg – Milligrams per kilogram.

PCBs in Sediment

All 54 sediment samples from 27 sampling locations collected during the June 2021 sediment sampling program were analyzed for PCBs. Of the 54 sediment samples, eight samples collected from five on-Site sampling locations exhibited concentrations of total PCBs above the UUSCO of 0.1 mg/kg. PCB results exceeding the UUSCO in sediment samples ranged from 0.36 mg/kg in sediment sample BLF-SE-115 (0.5 to 1 feet bss) to 100 mg/kg in sediment sample BLF-SE-112 (0 to 0.5 feet bss). There were no PCBs detected at concentrations above

the UUSCO in any of the sediment samples collected off-Site. Presented in the table below is a summary of the PCBs detected at concentrations above the UUSCOs in samples collected during the June 2021 sediment sampling program. The complete results of the analyses of sediment samples for PCBs are presented in **Table 2C**.

PCBs Above Unrestricted Use SCOs Detected in Sediment Samples June 2021					
Sample ID		**BLF-SE-112**		**BLF-SE-113**	**BLF-SE-114**
Sample Depth (feet bss)		**0 – 0.5**	**0.5 – 1**	**0 – 0.5**	**0 – 0.5**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
PCBs, total	0.1	**100**	**24**	**2.1**	**22**
Sample ID		**BLF-SE-114**	**BLF-SE-115**		**BLF-SE-116**
Sample Depth (feet bss)		**0.5 – 1**	**0 – 0.5**	**0.5 – 1**	**0 – 0.5**
Analyte	**UUSCO (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**	**Result (mg/kg)**
PCBs, total	0.1	**0.96**	**22**	**0.36 J**	**2.7**

Notes:
Bold value indicates result above Unrestricted Use SCO (UUSCO).
bss – Below sediment surface.
J – Estimated value.
mg/kg – Milligrams per kilogram.

PFAS and 1,4-Dioxane in Sediment

All 54 sediment samples from 27 sampling locations collected during the June 2021 sediment sampling program were analyzed for PFAS and 1,4-dioxane. Of the 54 sediment samples collected, 40 samples from 23 locations exhibited concentrations of perfluorooctanoic acid (PFOA) above the NYSDEC Guidance Value of 70 ng/kg. Concentrations of PFOA above the NYSDEC Guidance Value ranged from 85 ng/kg at location BLF-SE-122 (0.5 to 1 feet bss) to 1,200 ng/kg at location BLF-SE-116 (0.5 to 1 feet bss). Of the 54 sediment samples collected, 47 samples from 25 locations exhibited concentrations of PFOS above the NYSDEC Guidance Value of 70 ng/kg. Concentrations of PFOS above the NYSDEC Guidance Value ranged from 72 ng/kg at location BLF-SE-136 (0 to 0.5 feet bss) to 1,300,000 ng/kg at location BLF-SE-116 (0.5 to 1 feet bss). Combined PFOA and PFOS were detected at concentrations above the NYSDEC Guidance Value of 70 ng/kg in 49 of the 54 sediment samples submitted for analysis. PFOS was generally detected at significantly higher concentrations than PFOA. Combined PFOA and PFOS concentrations above the NYSDEC Guidance Value ranged from 74 ng/kg at location BLF-SE-137 (0.5 to 1 feet bss) to 1,301,200 ng/kg at location BLF-SE-116 (0.5 to 1 feet bss). Additionally, 1,4-dioxane was not detected in any of the 54 sediment samples. The complete results of the analyses of sediment samples for PFAS and 1,4-dioxane are presented in **Table 2D**.

Total Organic Carbon in Sediment

All 54 sediment samples collected during the June 2021 sediment sampling program were analyzed for TOC. Concentrations of TOC ranged from 3,100 mg/kg in sediment sample BLF-SE-131 (0.5 to 1 feet bss) to 419,000 mg/kg in sediment sample BLF-SE-115 (0.5 to 1 feet bss). The complete results of the analyses of sediment samples for TOC are presented in **Table 2C**.

Next Steps

TRC recommends updating the Draft Remedial Investigation (RI) Report submitted to the NYSDEC in February to include the supplemental investigation activities described above following completion of the DUSRs.

Attachments

Table 1A	Summary of Results of Analysis of Surface Water for Volatile Organic Compounds
Table 1B	Summary of Results of Analysis of Surface Water for Semivolatile Organic Compounds
Table 1C	Summary of Results of Analysis of Surface Water for PCBs, Metals, Cyanide, and Hardness
Table 1D	Summary of Results of Analysis of Surface Water for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane
Table 2A	Summary of Results of Analysis of Sediment for Volatile Organic Compounds
Table 2B	Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds
Table 2C	Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon
Table 2D	Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane
Figure 1	Supplemental Surface Water and Sediment Sampling Locations
Appendix A	Daily Field Activity Reports
Appendix B	Summary of Laboratory Particle Size Analysis Results

Tables

Table 1A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Surface Water for Volatile Organic Compounds

		Sample Location:	BLF-WS-113	BLF-WS-117	BLF-WS-123	BLF-WS-126	BLF-WS-127	BLF-WS-128	BLF-WS-129	BLF-WS-130	BLF-WS-131	BLF-WS-132	BLF-WS-133	BLF-WS-134
		Laboratory Sample Identification:	480-186018-10	480-186084-15	480-186177-2	480-186177-1	480-186177-3	480-186177-4	480-186177-5	480-186177-6	480-186220-1	480-186220-2	480-186220-3	480-186220-4
		Sample Date:	06/14/2021	06/15/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/17/2021	6/17/2021
		Unit:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Analyte	**Class GA Value[1]**	**Class C Value[2]**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
1,1,1-Trichloroethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	1	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1-Dichloroethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,1-Dichloroethene	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	5	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	0.04	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	5(b)	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloroethane	0.6	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	1	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	5(b)	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	5(b)	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Butanone (MEK)	50	NS	20 U	10 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
2-Hexanone	50	NS	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NS	NS	10 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	NS	20 U	10 U	10 U	**3 J**	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	1	10	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromodichloromethane	50	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromoform	50	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	60	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chlorobenzene	5	5	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chloromethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,3-Dichloropropene	0.4(a)	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Cyclohexane	NS	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dibromochloromethane	50	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Dichlorodifluoromethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Ethylbenzene	5	17	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Isopropylbenzene	5	2.6	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methyl acetate	NS	NS	5 U	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylcyclohexane	NS	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	5	200	2 U	1 U	1 U	1 U	2 U	**0.91 J**	**1.4 J**	**1.4 J**	2 U	2 U	2 U	2 U
Styrene	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Tetrachloroethene	5	1	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Toluene	5	100	**3**	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-Dichloroethene	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	0.4(a)	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichloroethene	5	40	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Trichlorofluoromethane	5	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	2	NS	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Xylene, Total	5	65	4 U	2 U	2 U	2 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U

Notes:

ug/L - micrograms per liter.

J - Estimated value.

J- - Estimated value; biased low.

NS - No NYSDEC standard exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Value.

(a) - Criteria applicable to the sum of the cis and trans isomers.

(b) - Value applicable to the sum of 1,2-, 1,3- and 1,4-dichlorobenzene.

[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

[2] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water. If more than one type of protection exists for a specific parameter, the most stringent standard or guidance value was used.

Table 1A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Surface Water for Volatile Organic Compounds

			Sample Location:	**BLF-WS-135**	**BLF-WS-136**	**BLF-WS-137**	**BLF-WS-138**
			Laboratory Sample Identification:	480-186220-5	480-186220-6	480-186276-1	480-186276-2
			Sample Date:	6/17/2021	6/17/2021	6/18/2021	6/18/2021
			Unit:	ug/L	ug/L	ug/L	ug/L
Analyte	**Class GA Value[1]**	**Class C Value[2]**		**Results**	**Results**	**Results**	**Results**
1,1,1-Trichloroethane	5	NS		2 U	2 U	2 U	2 U
1,1,2,2-Tetrachloroethane	5	NS		2 U	2 U	2 U	2 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	5	NS		2 U	2 U	2 U	2 U
1,1,2-Trichloroethane	1	NS		2 U	2 U	2 U	2 U
1,1-Dichloroethane	5	NS		2 U	2 U	2 U	2 U
1,1-Dichloroethene	5	NS		2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	5		2 U	2 U	2 U	2 U
1,2-Dibromo-3-chloropropane	0.04	NS		2 U	2 U	2 U	2 U
1,2-Dibromoethane	0.0006	NS		2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	5(b)		2 U	2 U	2 U	2 U
1,2-Dichloroethane	0.6	NS		2 U	2 U	2 U	2 U
1,2-Dichloropropane	1	NS		2 U	2 U	2 U	2 U
1,3-Dichlorobenzene	3	5(b)		2 U	2 U	2 U	2 U
1,4-Dichlorobenzene	3	5(b)		2 U	2 U	2 U	2 U
2-Butanone (MEK)	50	NS		20 U	20 U	20 U	20 U
2-Hexanone	50	NS		10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	NS	NS		10 U	10 U	10 U	10 U
Acetone	50	NS		20 U	20 U	20 U	20 U
Benzene	1	10		2 U	2 U	2 U	2 U
Bromodichloromethane	50	NS		2 U	2 U	2 U	2 U
Bromoform	50	NS		2 U	2 U	2 U	2 U
Bromomethane	5	NS		2 U	2 U	2 U	2 U
Carbon disulfide	60	NS		2 U	2 U	2 U	2 U
Carbon tetrachloride	5	NS		2 U	2 U	2 U	2 U
Chlorobenzene	5	5		2 U	2 U	2 U	2 U
Chloroethane	5	NS		2 U	2 U	2 U	2 U
Chloroform	7	NS		2 U	2 U	2 U	2 U
Chloromethane	5	NS		2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	NS		2 U	2 U	2 U	2 U
cis-1,3-Dichloropropene	0.4(a)	NS		2 U	2 U	2 U	2 U
Cyclohexane	NS	NS		2 U	2 U	2 U	2 U
Dibromochloromethane	50	NS		2 U	2 U	2 U	2 U
Dichlorodifluoromethane	5	NS		2 U	2 U	2 U	2 U
Ethylbenzene	5	17		2 U	2 U	2 U	2 U
Isopropylbenzene	5	2.6		2 U	2 U	2 U	2 U
Methyl acetate	NS	NS		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	10	NS		2 U	2 U	2 U	2 U
Methylcyclohexane	NS	NS		2 U	2 U	2 U	2 U
Methylene chloride	5	200		2 U	2 U	2 U	2 U
Styrene	5	NS		2 U	2 U	2 U	2 U
Tetrachloroethene	5	1		2 U	2 U	2 U	2 U
Toluene	5	100		2 U	2 U	2 U	**1.1 J**
trans-1,2-Dichloroethene	5	NS		2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	0.4(a)	NS		2 U	2 U	2 U	2 U
Trichloroethene	5	40		2 U	2 U	2 U	2 U
Trichlorofluoromethane	5	NS		2 U	2 U	2 U	2 U
Vinyl chloride	2	NS		2 U	2 U	2 U	2 U
Xylene, Total	5	65		4 U	4 U	4 U	4 U

Notes:
ug/L - micrograms per liter.
J - Estimated value.
J- - Estimated value; biased low.
NS - No NYSDEC standard exists for this analyte.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Value.

(a) - Criteria applicable to the sum of the cis and trans isomers.
(b) - Value applicable to the sum of 1,2-, 1,3- and 1,4-dichlorobenzene.
[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.
[2] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water. If more than one type of protection exists for a specific parameter, the most stringent standard or guidance value was used.

Table 1B
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Surface Water for Semivolatile Organic Compounds

			BLF-WS-113	BLF-WS-117	BLF-WS-123	BLF-WS-126	BLF-WS-127	BLF-WS-128	BLF-WS-129	BLF-WS-130	BLF-WS-131	BLF-WS-132	BLF-WS-133	BLF-WS-134	BLF-WS-135	BLF-WS-136	BLF-WS-137	BLF-WS-138
Sample Location:			480-186018-10	480-186084-15	480-186177-2	480-186177-1	480-186177-3	480-186177-4	480-186177-5	480-186177-6	480-186220-1	480-186220-2	480-186220-3	480-186220-4	480-186220-5	480-186220-6	480-186276-1	480-186276-2
Laboratory Sample Identification:			06/14/2021	06/15/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/16/2021	6/17/2021	6/17/2021	6/17/2021	6/17/2021	6/17/2021	6/17/2021	6/18/2021	6/18/2021
Sample Date:			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Unit:																		
Analyte	**Class GA Value[1]**	**Class C Value[2]**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**	**Results**
2,4,5-Trichlorophenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2,4,6-Trichlorophenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2,4-Dichlorophenol	5	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2,4-Dimethylphenol	50	1,000	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2,4-Dinitrophenol	10	1(a)	52 U	10 U	10	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
2,4-Dinitrotoluene	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2,6-Dinitrotoluene	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2-Chloronaphthalene	10	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2-Chlorophenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2-Methylnaphthalene	NS	4.7	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2-Methylphenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
2-Nitroaniline	5	NS	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
2-Nitrophenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
3,3'-Dichlorobenzidine	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
3-Nitroaniline	5	NS	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
4,6-Dinitro-2-methylphenol	1(a)	1(a)	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
4-Bromophenyl-phenylether	NS	NS	26 U	5 U	5 U	25 U	25 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
4-Chloro-3-methylphenol	1(a)	1(a)	26 U	5 U	5 U	25 U	25 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
4-Chloroaniline	5	NS	26 U	5 U	5 U	25 U	25 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
4-Chlorophenyl-phenyl ether	NS	NS	26 U	5 U	5 U	25 U	25 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
4-Methylphenol	1(a)	1(a)	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
4-Nitroaniline	5	NS	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
4-Nitrophenol	1(a)	1(a)	52 UF1	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
Acenaphthene	20	5.3	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Acenaphthylene	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Acetophenone	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Anthracene	50	3.8	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Atrazine	7.5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzaldehyde	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzo(a)anthracene	0.002	0.03	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzo(a)pyrene	ND	0.0012	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzo(b)fluoranthene	0.002	NS	26 UF2	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzo(g,h,i)perylene	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Benzo(k)fluoranthene	0.002	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Biphenyl	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
bis(2-chloroisopropyl)ether	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Bis(2-chloroethoxy) methane	5	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Bis(2-chloroethyl) ether	1	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Bis(2-ethylhexyl) phthalate	5	0.6	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Butylbenzylphthalate	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Caprolactam	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Carbazole	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Chrysene	0.002	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Dibenz(a,h)anthracene	NS	NS	26 U F2	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Dibenzofuran	NS	NS	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
Diethyl phthalate	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Dimethylphthalate	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Di-n-butylphthalate	50	NS	**8.6 JB*+**	**2.2 JB*+**	**8.5 B**	**6.6 JB**	**5.5 JB**	**6.7 B**	**7.5 B**	**7.7 JB**	**2.4 JB**	**3 JB**	**3.9 JB**	**5.5 B**	25 U	**10 B**	**14 B**	250 U
Di-n-octylphthalate	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Fluoranthene	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Fluorene	50	0.54	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Hexachlorobenzene	0.04	0.00003	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Hexachlorobutadiene	0.5	0.01	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Hexachlorocyclopentadiene	5	0.45	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Hexachloroethane	5	0.6	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Indeno(1,2,3-cd)pyrene	0.002	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Isophorone	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Naphthalene	10	13	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Nitrobenzene	0.4	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
n-Nitroso-di-n-propylamine	NS	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
N-Nitrosodiphenylamine	50	NS	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Pentachlorophenol	1(a)	NS	52 U	10 U	10 U	50 U	100 U	10 U	10 U	50 U	50 U	50 U	10 U	10 U	50 U	10 U	10 U	500 U
Phenanthrene	50	5	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Phenol	1(a)	1(a)	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U
Pyrene	50	4.6	26 U	5 U	5 U	25 U	52 U	5 U	5 U	25 U	25 U	25 U	5 U	5 U	25 U	5 U	5 U	250 U

Notes:

ug/L - micrograms per liter.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD relative percent difference exceeds control limits.

ND - Non-detectable concentration.

NS - No NYSDEC standard exists for this analyte.

T - Tentatively indentified compound with an estimated value.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

*+ - Outside of acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Value.

(a) - Value applicable to unfiltered phenolics (total) used.

[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

[2] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water. If more than one type of protection exists for a specific parameter, the most stringent standard or guidance value was used.

Table 1C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Surface Water for PCBs, Metals, Cyanide, and Hardness

		Sample Location:	**BLF-WS-113**		**BLF-WS-117**		**BLF-WS-123**		**BLF-WS-126**		**BLF-WS-127**		**BLF-WS-128**		**BLF-WS-129**		**BLF-WS-130**		**BLF-WS-131**		**BLF-WS-132**		**BLF-WS-133**		**BLF-WS-134**	
		Laboratory Sample Identification:	480-186018-10		480-186084-15		480-186177-2		480-186177-1		480-186177-3		480-186177-4		480-186177-5		480-186177-6		480-186220-1		480-186220-2		480-186220-3		480-186220-4	
		Sample Date:	06/14/2021		06/15/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021	
		Unit:	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Analyte	**Class GA Value[1]**	**Class C Value[2]**	**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**	
PCB Aroclors (total)																										
Aroclor-1016	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1221	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1232	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1242	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1248	NS	NS	**2.3**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1254	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Aroclor-1260	NS	NS	2.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
PCBs, Total	0.09	0.000001	**2.3**	**J**	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Metals and Cyanide (total)																										
Aluminum	NS	NS	**3400**	**F1**	**250**		200	U	**140**	**J**	**22,000**		200	U	**400**		**390**		**790**		**370**		**110**	**J**	**1,700**	
Antimony	3	NS	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Arsenic	25	150	**28**		15	U	15	U	15	U	**28**		15	U	15	U	15	U	15	U	15	U	15	U	15	U
Barium	1,000	NS	**650**	**F1**	**120**		**130**		**130**		**680**		**80**		**130**		**120**	^6+	**120**		**130**		**66**		**150**	
Beryllium	3	NS[3]	2	U	2	U	2	U	2	U	**0.89**	**J**	2	U	2	U	2	U	20	U	2	U	2	U	2	U
Cadmium	5	NS[3]	**1.4**	**J**	2	U	2	U	2	U	**2.1**		2	U	2	U	2	U	20	U	2	U	2	U	2	U
Calcium	NS	NS	**209,000**		**88,200**		**101,000**		**162,000**		**113,000**		**76,500**		**92,100**		**90,400**		**88,600**		**94,000**		**85,500**		**82,500**	
Chromium	50	NS[3]	**28**		4	U	4	U	4	U	**23**		4	U	4	U	4	U	**1.4**	**J**	**1.6**	**J**	4	U	**2.4**	**J**
Cobalt	NS	5	**7.3**		4	U	4	U	4	U	**11**		4	U	**1.2**	**J**	**1.2**	**J**	**0.78**	**J**	**1.6**	**J**	4	U	**2.4**	**J**
Copper	200	NS[3]	**34**		10	U	10	U	10	U	**39**		10	U	10	U	**2.1**	**J**	**2.6**	**J**	**7.6**	**J**	10	U	**3.5**	**J**
Iron	300	300	**70,400**		**470**	**B**	**83**		**940**		**81,200**		**940**		**11,600**		**4,400**		**3,200**		**8,300**		**2,600**		**13,700**	
Lead	25	NS[3]	**18**		10	U	10	U	10	U	**43**		10	U	**4.9**	**J**	10	U	10	U	10	U	10	U	**5.2**	**J**
Magnesium	NS	NS	**34,200**		**22,800**		**22,100**		**25,500**		**20,600**		**16,100**		**18,500**		**18,800**		**18,500**		**18,100**		**18,200**		**16,900**	
Manganese	300	NS	**3,300**		**170**		**74**		**920**		**2,400**		**660**		**1,600**		**2,600**		**1,500**		**2,400**		**760**		**2,000**	
Nickel	100	NS[3]	**28**		10	U	10	U	10	U	**16**		10	U	10	U	10	U	**1.3**	**J**	**1.8**	**J**	10	U	**2.4**	**J**
Potassium	NS	NS	**2,800**		**1,100**		**640**		**4,500**		**3,900**		**850**		**1,800**		**1,600**		**1,400**	**B**	**1,400**	**B**	**1,500**	**B**	**1,500**	**B**
Selenium	10	4.6	25	U	25	U	25	U	25	U	25	U	25	U	26	U	26	U	25	U	25	U	25	U	25	U
Silver	50	0.1	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U	6	U
Sodium	20,000	NS	**42,200**		**4,100**		**19,800**		**510,000**		**10,800**		**8,500**		**18,000**		**18,500**		**19,300**	**B**	**16,400**	**B**	**15,900**	**B**	**19,600**	**B**
Thallium	0.5	8	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Vanadium	NS	14	**5.9**		5	U	5	U	5	U	**36**		5	U	5	U	5	U	**2**	**J**	**2**	**J**	5	U	**4.3**	**J**
Zinc	2,000	NS[3]	**89**	**F1**	**2.1**	**J**	10	U	**1.8**	**J B**	**190**	**B**	10	U	**12**	**B**	**12**		**6.9**	**J**	**32**		**2.9**	**J**	**21**	
Mercury	0.7	0.0007	0.2	U	0.2	U	0.2	U	0.2	U	**0.28**		0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Cyanide	200	5.2	10	UF1F2	**10**		10	U	10	U	10	U	**5.2**	**J**	10	U	10	U	10	U	10	U	10	U	10	U
General Chemistry																										
Hardness	NS	NS	**662,709**		**314,126**		**343,205**		**509,523**		**366,992**		**257,320**		**306,157**		**303,147**		**297,417**		**309,254**		**288,441**		**275,597**	

Notes:

ug/L - micrograms per liter.

B - Compound found in the blank and sample.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD relative percent difference exceeds control limits.

J - Estimated value.

J- - Estimated value; biased low.

NS - No NYSDEC standard exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limit, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Value.

PCBs - Polychlorinated Biphenyls.

[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

[2] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water. If more than one type of protection exists for a specific parameter, the most stringent standard or guidance value was used.

[3] - Criteria are hardness-dependent.

Table 1C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Surface Water for PCBs, Metals, Cyanide, and Hardness

			Sample Location:	**BLF-WS-135**		**BLF-WS-136**		**BLF-WS-137**		**BLF-WS-138**		
			Laboratory Sample Identification:	480-186220-5		480-186220-6		480-186276-1		480-186276-2		
			Sample Date:	6/17/2021		6/17/2021		6/18/2021		6/18/2021		
			Unit:	ug/L		ug/L		ug/L		ug/L		
Analyte	**Class GA Value[1]**	**Class C Value[2]**		**Results**		**Results**		**Results**		**Results**		
PCB Aroclors (total)												
Aroclor-1016	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1221	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1232	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1242	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1248	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1254	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
Aroclor-1260	NS	NS		0.5	U	0.5	U	0.5	U	0.5	U	
PCBs, Total	0.09	0.000001		0.5	U	0.5	U	0.5	U	0.5	U	
Metals and Cyanide (total)												
Aluminum	NS	NS		**5,100**		**340**		**100**	**J**	**9,900**		
Antimony	3	NS		20	U	20	U	20	U	20	U	
Arsenic	25	150		**21**		15	U	15	U	**22**		
Barium	1,000	NS		**420**		**59**		**65**		**950**		
Beryllium	3	NS[3]		2	U	2	U	2	U	**0.48**	**J**	
Cadmium	5	NS[3]		**1**	**J**	2	U	2	U	**3.4**		
Calcium	NS	NS		**113,000**		**82,900**		**86,800**		**173,000**		
Chromium	50	NS[3]		**6.4**		4	U	4	U	**12**		
Cobalt	NS	5		**10**		4	U	4	U	**20**		
Copper	200	NS[3]		**22**		10	U	10	U	**57**		
Iron	300	300		**51,700**		**1,800**		**1,900**		**139,000**		
Lead	25	NS[3]		**14**		10	U	10	U	**61**		
Magnesium	NS	NS		**20,600**		**17,200**		**18,200**		**22,900**		
Manganese	300	NS		**7,600**		**600**		**1,100**		**4,300**		
Nickel	100	NS[3]		**8.3**	**J**	10	U	10	U	**21**		
Potassium	NS	NS		**2,900**	**B**	**1,200**	**B**	**1,200**	**B**	**3,400**	**B**	
Selenium	10	4.6		25	U	25	U	25	U	25	U	
Silver	50	0.1		6	U	6	U	6	U	6	U	
Sodium	20,000	NS		**17,000**	**B**	**13,500**	**B**	**12,900**	**B**	**12,900**	**B**	
Thallium	0.5	8		20	U	20	U	20	U	20	U	
Vanadium	NS	14		**21**		5	U	5	U	**43**		
Zinc	2,000	NS[3]		**130**		**1.9**	**J**	**1.7**	**J**	**460**		
Mercury	0.7	0.0007		**0.15**	**J**	0.2	U	0.2	U	**0.37**		
Cyanide	200	5.2		10	U	10	U	10	U	10	U	
General Chemistry												
Hardness	NS	NS		**366,992**		**277,831**		**291,687**		**526,283**		

Notes:

ug/L - micrograms per liter.

B - Compound found in the blank and sample.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD relative percent difference exceeds control limits.

J - Estimated value.

J- - Estimated value; biased low.

NS - No NYSDEC standard exists for this analyte.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limit, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Value.

PCBs - Polychlorinated Biphenyls.

[1] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

[2] - NYSDEC Ambient Water Quality Standards and Guidance Values for Class C Surface Water. If more than one type of protection exists for a specific parameter, the most stringent standard or guidance value was used.

[3] - Criteria are hardness-dependent.

Table 1D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Results of Analysis of Surface Water for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

	Sample Location:		BLF-WS-113		BLF-WS-117		BLF-WS-123		BLF-WS-126		BLF-WS-127		BLF-WS-128		BLF-WS-129		BLF-WS-130		BLF-WS-131		BLF-WS-132		BLF-WS-133	
	Laboratory Sample Identification:		480-186018-10		480-186084-15		480-186177-2		480-186177-1		480-186177-3		480-186177-4		480-186177-5		480-186177-6		480-186220-1		480-186220-2		480-186220-3	
	Sample Date:		06/14/2021		06/15/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/17/2021		6/17/2021		6/17/2021	
Analyte	**Units**	**Guidance Value[1]**	**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**		**Results**	
Perfluorobutanoic acid (PFBA)	ng/L	100	**4.2**	**J**	**2.9**	**J**	**6.5**		**4.5**		**3.4**	**J**	**6.2**		**6.2**		**1.6**	**J**	**6.2**		**6.6**		**7.2**	
Perfluoropentanoic acid (PFPeA)	ng/L	100	1.7	U	**0.74**	**J**	**1.5**	**J**	**1.2**	**J**	**0.49**	**J**	**1.2**	**J**	**1.2**	**J**	**0.62**	**J**	**1.2**	**J**	**1.3**	**J**	**1.5**	**J**
Perfluorohexanoic acid (PFHxA)	ng/L	100	**0.59**	**J**	**0.88**	**J**	**1.1**	**J**	**0.66**	**J**	**0.68**	**J**	**1.2**	**J I**	**1.1**	**J**	**0.79**	**J**	**1.1**	**J**	**1.2**	**J**	**1.2**	**J**
Perfluoroheptanoic acid (PFHpA)	ng/L	100	**0.66**	**J**	**0.57**	**J**	**1.1**	**J**	**0.77**	**J**	**0.74**	**J**	**0.94**	**J**	**0.81**	**J**	**0.5**	**J**	**0.85**	**J**	**0.92**	**J**	**1**	**J**
Perfluorooctanoic acid (PFOA)	ng/L	10	**1.6**	**J**	**0.64**	**J**	**5.1**		**1**	**J**	**1.2**	**J**	**1.9**		**1.9**		**0.94**	**J**	**1.7**		**2**		**1.7**	
Perfluorononanoic acid (PFNA)	ng/L	100	**0.28**	**J**	1.7	U	**0.55**	**J**	**0.54**	**J**	**0.42**	**J**	**0.54**	**J**	**0.43**	**J**	**0.28**	**J**	**0.35**	**J**	**0.7**	**J**	**0.42**	**J**
Perfluorodecanoic acid (PFDA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	**0.51**	**J I**	**0.35**	**J I**	1.7	U	1.7	U	**0.52**	**J I**	1.6	U
Perfluoroundecanoic acid (PFUnA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorododecanoic acid (PFDoA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorotridecanoic acid (PFTriA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorotetradecanoic acid (PFTeA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorobutanesulfonic acid (PFBS)	ng/L	100	**0.59**	**JB**	**0.4**	**JB**	**0.75**	**JB**	**0.73**	**JB**	**0.45**	**JB**	**1.1**	**JB**	**1**	**JB**	**0.3**	**J**	**0.98**	**J**	**0.97**	**J**	**1**	**J**
Perfluorohexanesulfonic acid (PFHxS)	ng/L	100	**1.6**	**J**	**0.26**	**J**	**1.8**		1.7	U	1.8	U	**0.34**	**J**	**0.42**	**J**	**0.45**	**J**	**0.28**	**J**	**0.34**	**J**	1.6	U
Perfluoroheptanesulfonic acid (PFHpS)	ng/L	100	**1.1**	**J**	1.7	U	**1.5**	**J**	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorooctanesulfonic acid (PFOS)	ng/L	10	**74**	**B**	**0.97**	**JB**	**80**	**B**	**0.95**	**JB**	**1.8**	**B**	**3.1**	**B**	**2**	**B**	**6.7**	**B**	**1.4**	**J**	**2.5**		**0.75**	**J**
Perfluorodecanesulfonic acid (PFDS)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
Perfluorooctane Sulfonamide (PFOSA)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	1.7	U	1.7	U	1.6	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/L	100	4.3	U	4.3	U	4.1	U	4.2	U	4.4	U	4.1	U	4.1	U	4.1	U	1.7	U	4.2	U	4	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/L	100	4.3	U	4.3	U	4.1	U	4.2	U	4.4	U	4.1	U	4.1	U	4.1	U	4.2	U	4.2	U	4	U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	100	4.3	U	**3.6**	**J**	4.1	U	4.2	U	4.4	U	4.1	U	4.1	U	4.1	U	4.2	U	4.2	U	4	U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	100	1.7	U	1.7	U	1.6	U	1.7	U	1.8	U	1.6	U	1.6	U	1.7	U	4.2	U	1.7	U	1.6	U
Total PFAS	ng/L	500	**84.62**	**JB**	**10.96**	**JB**	**99.90**	**JB**	**10.35**	**JB**	**9.18**	**JB**	**17**	**JB**	**15.4**	**JB**	**12.2**	**JB**	**14.06**	**J**	**17.05**	**J I**	**14.77**	**J**
1,4-Dioxane	ug/L	NS	0.23	U	0.2	U	0.2	U	0.2	U	0.22	U	0.2	U	0.2	U	0.2	U	0.22	U	0.21	U	0.2	U

Notes:

ng/L - Nanograms per liter.

ug/L - micrograms per liter.

B - Compound was found in the blank and sample.

I - Value is estimated maximum possible concentration.

J - Estimated value.

J+ - Estimated value; biased high.

J- - Estimated value; biased low.

U - Analyte was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Guidance Value.

NS - No NYSDEC standard exists for this analyte.

[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.

Table 1D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Results of Analysis of Surface Water for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

			Sample Location:	BLF-WS-134	BLF-WS-135	BLF-WS-136	BLF-WS-137	BLF-WS-138
			Laboratory Sample Identification:	480-186220-4	480-186220-5	480-186220-6	480-186276-1	480-186276-2
			Sample Date:	6/17/2021	6/17/2021	6/17/2021	6/18/2021	6/18/2021
Analyte	**Units**	**Guidance Value[1]**		**Results**	**Results**	**Results**	**Results**	**Results**
Perfluorobutanoic acid (PFBA)	ng/L	100		**6.4**	**6.8**	**6.4**	**5.9**	**6**
Perfluoropentanoic acid (PFPeA)	ng/L	100		**1.4 J**	**1.3 J**	**1.1 J**	**1.3 J**	**1.4 J**
Perfluorohexanoic acid (PFHxA)	ng/L	100		**1 J**	**1.2 J**	**1 J**	**1.2 J**	**1.1 J**
Perfluoroheptanoic acid (PFHpA)	ng/L	100		**0.84 J**	**1.3 J**	**1.1 J**	**1 J**	**0.9 J**
Perfluorooctanoic acid (PFOA)	ng/L	10		**1.5 J**	**2.5**	**1.6**	**1.4 J**	**1.4 J**
Perfluorononanoic acid (PFNA)	ng/L	100		**0.37 J**	**1.1 J**	**0.46 J**	**0.49 J**	**0.39 J**
Perfluorodecanoic acid (PFDA)	ng/L	100		1.6 U	**0.32 J I**	1.6 J	1.6 U	1.6 U
Perfluoroundecanoic acid (PFUnA)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorododecanoic acid (PFDoA)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorotridecanoic acid (PFTriA)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorotetradecanoic acid (PFTeA)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorobutanesulfonic acid (PFBS)	ng/L	100		**0.92 J**	**0.93 J**	**0.9 J**	**0.91 J**	**0.86 J**
Perfluorohexanesulfonic acid (PFHxS)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluoroheptanesulfonic acid (PFHpS)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorooctanesulfonic acid (PFOS)	ng/L	10		**0.6 J**	**2.5**	**0.74 J**	**0.64 J**	**0.64 J**
Perfluorodecanesulfonic acid (PFDS)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
Perfluorooctane Sulfonamide (PFOSA)	ng/L	100		1.6 U	1.7 U	1.6 J	1.6 U	1.6 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/L	100		4.1 U	4.2 U	4.1 U	4.1 U	4.1 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/L	100		4.1 U	4.2 U	4.1 U	4.1 U	4.1 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	100		4.1 U	4.2 U	4.1 U	4.1 U	4.1 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	100		1.6 U	**0.33 J**	1.6 U	1.6 U	1.6 U
Total PFAS	ng/L	500		**13 J**	**18 J I**	**13.3 J**	**12.8 J**	**12.7 J**
1,4-Dioxane	ug/L	NS		0.21 U	0.22 U	0.19 U	0.22 U	0.22 U

Notes:
ng/L - Nanograms per liter.
ug/L - micrograms per liter.
B - Compound was found in the blank and sample.
I - Value is estimated maximum possible concentration.
J - Estimated value.
J+ - Estimated value; biased high.
J- - Estimated value; biased low.
U - Analyte was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Guidance Value.
NS - No NYSDEC standard exists for this analyte.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.

Table 2A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Volatile Organic Compounds

Sample Location:		BLF-SE-112		BLF-SE-113		BLF-SE-114		BLF-SE-115		BLF-SE-116		BLF-SE-117	
Laboratory Sample Identification:		480-186018-1	480-186018-2	480-186018-3	480-186018-4	480-186018-5	480-186018-6	480-186018-7	480-186018-8	480-186084-1	480-186084-2	480-186084-5	480-186084-6
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/14/2021		6/14/2021		6/14/2021		6/14/2021		6/15/2021		6/15/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-Trichloroethane	0.68	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,1,2,2-Tetrachloroethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,1,2-Trichloroethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,1-Dichloroethane	0.27	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,1-Dichloroethene	0.33	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,2,4-Trichlorobenzene	NS	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
1,2-Dibromo-3-chloropropane (DBCP)	NS	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
1,2-Dibromoethane (EDB)	NS	0.0012 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,2-Dichlorobenzene	1.1	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
1,2-Dichloroethane	0.02	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,2-Dichloropropane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
1,3-Dichlorobenzene	2.4	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
1,4-Dichlorobenzene	1.8	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 *3U	0.011 U	0.0052 U
2-Butanone (MEK)	0.12	0.0096 U	1.6 U	0.2 U	**0.049 J**	0.077 U	**0.03 J**	0.2 U	0.22 U	0.13 U	0.25 U	0.053 U	0.026 U
2-Hexanone (MBK)	NS	0.0096 U	1.6 U	0.2 U	0.22 U	0.077 U	0.11 U	0.2 U	0.22 U	0.13 U	0.25 U	0.053 U	0.026 U
4-Methyl-2-pentanone (MIBK)	NS	0.0096 U	1.6 U	0.2 U	0.22 U	0.077 U	0.11 U	0.2 U	0.22 U	0.13 U	0.25 U	0.053 U	0.026 U
Acetone	0.05	0.0096 U	1.6 U	**0.038 J**	**0.063 J**	**0.061 J**	**0.12**	0.2 U	0.043 U	0.13 U	0.25 U	0.053 U	**0.0064 J**
Benzene	0.06	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Bromodichloromethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Bromoform	NS	0.0048 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Bromomethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Carbon Disulfide	NS	0.0048 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Carbon Tetrachloride	0.76	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Chlorobenzene	1.1	0.0096 U	0.32 U	0.04 U	0.044 U	**0.0045 J**	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Chloroethane	NS	0.0096 *+U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *+U	0.05 *+U	0.011 *+U	0.0052 *+U
Chloroform	0.37	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Chloromethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
cis-1,2-Dichloroethene	0.25	**0.22**	**0.093 J**	**0.0088 J**	**0.012 J**	**0.89**	**0.031**	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
cis-1,3-Dichloropropene	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Cyclohexane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Dibromochloromethane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Dichlorodifluoromethane (Freon 12)	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Ethylbenzene	1	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Isopropylbenzene (Cumene)	NS	0.0096 U	0.32 U	0.04 U*3	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 *3U	0.05 U	0.011 U	0.0052 U
Methyl acetate	NS	0.048 U	1.6 U	0.2 U	0.22 U	0.077 U	0.11 U	0.2 U	0.22 U	0.13 U	0.25 U	0.053 U	0.026 U
Methyl tert-Butyl Ether (MTBE)	0.93	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Methylcyclohexane	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Methylene Chloride	0.05	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	**0.0029 J**
Styrene	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Tetrachloroethene	1.3	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Toluene	0.7	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
trans-1,2-Dichloroethene	0.19	**0.0021 J**	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
trans-1,3-Dichloropropene	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Trichloroethene	0.47	**0.014 B**	0.32 U	**0.013 JB**	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	**0.01 JB**	0.05 U	0.011 U	**0.0065 B**
Trichlorofluoromethane (Freon 11)	NS	0.0096 U	0.32 U	0.04 U	0.044 U	0.015 U	0.022 U	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Vinyl Chloride	0.02	0.0096 U	0.32 U	0.04 U	0.044 U	**0.011 J**	**0.014 J**	0.039 U	0.043 U	0.026 U	0.05 U	0.011 U	0.0052 U
Xylenes, Total	0.26	0.019 U	0.64 U	0.079 U	0.088 U	0.031 U	0.043 U	0.078 U	0.087 U	0.052 U	0.1 U	0.021 U	0.01 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD relative percent difference exceeds control limits.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
*+ - LCS and/or LCSD is outside acceptance limits, biased high.
*3 - Internal standard response or retention time outside of acceptable limits.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Volatile Organic Compounds

Sample Location:		BLF-SE-118		BLF-SE-119		BLF-SE-120		BLF-SE-121		BLF-SE-122		BLF-SE-123	
Laboratory Sample Identification:		480-186084-3	480-186084-4	480-186084-7	480-186084-8	480-186084-11	480-186084-12	480-186179-3	480-186179-4	480-186179-5	480-186179-6	480-186179-7	480-186179-8
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/15/2021		6/15/2021		6/15/2021		6/16/2021		6/16/2021		6/16/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-Trichloroethane	0.68	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,1,2,2-Tetrachloroethane	NS	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,1,2-Trichloroethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,1-Dichloroethane	0.27	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,1-Dichloroethene	0.33	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2,4-Trichlorobenzene	NS	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2-Dibromo-3-chloropropane (DBCP)	NS	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2-Dibromoethane (EDB)	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2-Dichlorobenzene	1.1	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2-Dichloroethane	0.02	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,2-Dichloropropane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,3-Dichlorobenzene	2.4	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
1,4-Dichlorobenzene	1.8	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
2-Butanone (MEK)	0.12	0.091 U	0.24 U	0.032 U	0.024 U	0.032 U	0.026 U	0.28 U	**0.11 J**	0.1 U	0.025 U	0.033 U	0.033 U
2-Hexanone (MBK)	NS	0.091 U	0.24 U	0.032 U	0.024 U	0.032 U	0.026 U	0.28 U	0.28 U	0.1 U	0.025 U	0.033 U	0.033 U
4-Methyl-2-pentanone (MIBK)	NS	0.091 U	0.24 U	0.032 U	0.024 U	0.032 U	0.026 U	0.28 U	0.28 U	0.1 U	0.025 U	0.033 U	0.033 U
Acetone	0.05	0.091 U	0.24 U	0.032 U	0.024 U	0.032 U	**0.037**	0.28 U	**0.18 J**	**0.037 J**	**0.014 J**	**0.069**	**0.18**
Benzene	0.06	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0026 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Bromodichloromethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Bromoform	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Bromomethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Carbon Disulfide	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Carbon Tetrachloride	0.76	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Chlorobenzene	1.1	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Chloroethane	NS	0.018 *+U	0.049 *+U	0.0065 *+U	0.0049 *+U	0.0063 *+U	0.0051 *+U	0.056 *+U	0.057 *+U	0.02 *+U	0.0049 *+U	0.0066 *+U	0.0065 *+U
Chloroform	0.37	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Chloromethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
cis-1,2-Dichloroethene	0.25	**0.004 J**	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	**0.01 J**	0.02 U	0.0049 U	0.0066 U	0.0065 U
cis-1,3-Dichloropropene	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Cyclohexane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Dibromochloromethane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Dichlorodifluoromethane (Freon 12)	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Ethylbenzene	1	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Isopropylbenzene (Cumene)	NS	0.018 *3U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Methyl acetate	NS	0.091 U	0.24 U	0.032 U	0.024 U	0.032 U	0.026 U	0.28 U	0.28 U	0.1 U	0.025 U	0.033 U	0.033 U
Methyl tert-Butyl Ether (MTBE)	0.93	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Methylcyclohexane	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Methylene Chloride	0.05	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	**0.014 JB**	0.0049 U	0.0066 U	**0.0056 JB**
Styrene	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Tetrachloroethene	1.3	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Toluene	0.7	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
trans-1,2-Dichloroethene	0.19	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
trans-1,3-Dichloropropene	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Trichloroethene	0.47	**0.01 JB**	0.049 U	0.0065 U	0.0049 U	0.0063 U	**0.0026 JB**	**0.013 J**	**0.016 J**	**0.079**	**0.0015 J**	**0.0019 J**	**0.021**
Trichlorofluoromethane (Freon 11)	NS	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Vinyl Chloride	0.02	0.018 U	0.049 U	0.0065 U	0.0049 U	0.0063 U	0.0051 U	0.056 U	0.057 U	0.02 U	0.0049 U	0.0066 U	0.0065 U
Xylenes, Total	0.26	0.036 U	0.098 U	0.013 U	0.0097 U	0.013 U	0.01 U	0.11 U	0.11 U	0.041 U	0.0099 U	0.013 U	0.013 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD relative percent difference exceeds control limits.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
*+ - LCS and/or LCSD is outside acceptance limits, biased high.
*3 - Internal standard response or retention time outside of acceptable limits.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Volatile Organic Compounds

Sample Location:		BLF-SE-124		BLF-SE-125		BLF-SE-126		BLF-SE-127		BLF-SE-128		BLF-SE-129	
Laboratory Sample Identification:		480-186084-9	480-186084-10	480-186084-13	480-186084-14	480-186179-1	480-186179-2	480-186179-9	480-186179-10	480-186179-11	480-186179-12	480-186179-13	480-186179-14
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/15/2021		6/15/2021		6/16/2021		6/16/2021		6/16/2021		6/16/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-Trichloroethane	0.68	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,1,2,2-Tetrachloroethane	NS	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,1,2-Trichloroethane	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,1-Dichloroethane	0.27	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,1-Dichloroethene	0.33	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2,4-Trichlorobenzene	NS	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2-Dibromo-3-chloropropane (DBCP)	NS	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2-Dibromoethane (EDB)	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2-Dichlorobenzene	1.1	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2-Dichloroethane	0.02	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,2-Dichloropropane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,3-Dichlorobenzene	2.4	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
1,4-Dichlorobenzene	1.8	0.0049 F1U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
2-Butanone (MEK)	0.12	0.025 F1U	0.021 U	0.32 U	0.24 U	0.11 U	0.087 U	0.15 U	**0.06 J**	**0.11**	**0.11**	**1.3**	**0.27**
2-Hexanone (MBK)	NS	0.025 F1U	0.021 U	0.32 U	0.24 U	0.11 U	0.087 U	0.15 U	0.069 U	0.059 U	0.052 U	0.15 U	0.16 U
4-Methyl-2-pentanone (MIBK)	NS	0.025 F1U	0.021 U	0.32 U	0.24 U	0.11 U	0.087 U	0.15 U	0.069 U	0.059 U	0.052 U	0.15 U	0.16 U
Acetone	0.05	0.025 F1U	0.021 U	0.32 U	0.24 U	0.11 U	0.087 U	0.15 U	**0.18**	**0.32**	**0.34**	**1**	**1.1**
Benzene	0.06	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Bromodichloromethane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.057 U	0.012 U	0.01 U	0.03 U	0.033 U
Bromoform	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Bromomethane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Carbon Disulfide	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	**0.032 J**
Carbon Tetrachloride	0.76	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Chlorobenzene	1.1	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Chloroethane	NS	0.0049 *+F1U	0.0043 *+U	0.064 *+U	0.049 *+U	0.022 *+U	0.017 *+U	0.029 *+U	0.014 *+U	0.012 *+U	0.01 *+U	0.03 *+U	0.033 *+U
Chloroform	0.37	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Chloromethane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
cis-1,2-Dichloroethene	0.25	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
cis-1,3-Dichloropropene	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Cyclohexane	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Dibromochloromethane	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Dichlorodifluoromethane (Freon 12)	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Ethylbenzene	1	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Isopropylbenzene (Cumene)	NS	0.0049 F1F2U	0.0043 U	0.064 *3U	0.049 *3U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Methyl acetate	NS	0.025 F1U	0.021 U	0.32 U	0.24 U	0.11 U	0.087 U	0.15 U	0.069 U	0.059 U	0.052 U	0.15 U	0.16 U
Methyl tert-Butyl Ether (MTBE)	0.93	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Methylcyclohexane	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Methylene Chloride	0.05	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	**0.013 JB**	0.029 U	0.014 U	0.012 U	**0.0088 JB**	0.03 U	0.033 U
Styrene	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Tetrachloroethene	1.3	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Toluene	0.7	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
trans-1,2-Dichloroethene	0.19	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
trans-1,3-Dichloropropene	NS	0.0049 F1U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Trichloroethene	0.47	0.0049 F1U	**0.0012 JB**	0.064 U	0.049 U	**0.0069 J**	**0.06**	**0.011 J**	0.014 U	0.012 U	**0.049**	**0.083**	**0.0082 J**
Trichlorofluoromethane (Freon 11)	NS	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Vinyl Chloride	0.02	0.0049 U	0.0043 U	0.064 U	0.049 U	0.022 U	0.017 U	0.029 U	0.014 U	0.012 U	0.01 U	0.03 U	0.033 U
Xylenes, Total	0.26	0.0098 F1U	0.0085 U	0.13 U	0.098 U	0.044 U	0.035 U	0.059 U	0.028 U	0.023 U	0.021 U	0.059 U	0.066 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD relative percent difference exceeds control limits.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
*+ - LCS and/or LCSD is outside acceptance limits, biased high.
*3 - Internal standard response or retention time outside of acceptable limits.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Volatile Organic Compounds

Sample Location:		BLF-SE-130		BLF-SE-131		BLF-SE-132		BLF-SE-133		BLF-SE-134		BLF-SE-135	
Laboratory Sample Identification:		480-186179-15	480-186179-16	480-186216-1	480-186216-2	480-186216-3	480-186216-4	480-186216-5	480-186216-6	480-186216-7	480-186216-8	480-186216-9	480-186216-10
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/16/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.019mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
1,1,1-Trichloroethane	0.68	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,1,2,2-Tetrachloroethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,1,2-Trichloroethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,1-Dichloroethane	0.27	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,1-Dichloroethene	0.33	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2,4-Trichlorobenzene	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2-Dibromo-3-chloropropane (DBCP)	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2-Dibromoethane (EDB)	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2-Dichlorobenzene	1.1	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2-Dichloroethane	0.02	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,2-Dichloropropane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,3-Dichlorobenzene	2.4	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
1,4-Dichlorobenzene	1.8	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
2-Butanone (MEK)	0.12	**0.18 J**	**0.064 J**	0.029 U	0.022 U	**0.51**	**0.032 J**	**0.59**	**0.15**	**0.087 J**	**0.034 J**	**0.28**	0.045 U
2-Hexanone (MBK)	NS	0.21 U	0.18 U	0.029 U	0.022 U	0.24 U	0.044 U	0.075 U	0.064 U	0.095 U	0.084 U	0.18 U	0.045 U
4-Methyl-2-pentanone (MIBK)	NS	0.21 U	0.18 U	0.029 U	0.022 U	0.24 U	0.044 U	0.075 U	0.064 U	0.095 U	0.084 U	0.18 U	0.045 U
Acetone	0.05	**1.4**	**0.79**	**0.01 J**	**0.15**	**0.29**	**0.38**	**0.37**	**0.17**	**0.21**	**0.7**	**0.65**	0.045 U
Benzene	0.06	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Bromodichloromethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Bromoform	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Bromomethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Carbon Disulfide	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	**0.0066 J**	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Carbon Tetrachloride	0.76	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Chlorobenzene	1.1	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Chloroethane	NS	0.043 *+U	0.035 *+U	0.0057 *+U	0.0044 *+U	0.048 *+U	0.0088 *+U	0.015 *+U	0.013 *+U	0.019 *+U	0.017 *+U	0.035 *+U	0.009 *+U
Chloroform	0.37	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Chloromethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
cis-1,2-Dichloroethene	0.25	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
cis-1,3-Dichloropropene	NS	0.043 U	0.036 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Cyclohexane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Dibromochloromethane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Dichlorodifluoromethane (Freon 12)	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Ethylbenzene	1	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Isopropylbenzene (Cumene)	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Methyl acetate	NS	0.21 U	0.18 U	0.029 U	0.022 U	0.24 U	**0.013 J**	0.075 U	0.064 U	0.095 U	0.084 U	0.18 U	0.045 U
Methyl tert-Butyl Ether (MTBE)	0.93	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Methylcyclohexane	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Methylene Chloride	0.05	0.043 U	0.035 U	**0.0053 JB**	**0.0046 B**	**0.033 JB**	**0.0086 JB**	**0.01 JB**	**0.0085 JB**	**0.013 JB**	**0.023 B**	**0.026 JB**	**0.0061 JB**
Styrene	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Tetrachloroethene	1.3	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Toluene	0.7	**0.006 J**	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	**0.012 J**	0.009 U
trans-1,2-Dichloroethene	0.19	0.043 U	0.036 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
trans-1,3-Dichloropropene	NS	0.043 U	0.036 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Trichloroethene	0.47	**0.011 J**	**0.016 J**	**0.0047 J**	**0.0042 J**	**0.035 J**	**0.0058 J**	**0.0082 J**	**0.0057 J**	**0.0089 J**	**0.095**	**0.014 J**	**0.0042 J**
Trichlorofluoromethane (Freon 11)	NS	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Vinyl Chloride	0.02	0.043 U	0.035 U	0.0057 U	0.0044 U	0.048 U	0.0088 U	0.015 U	0.013 U	0.019 U	0.017 U	0.035 U	0.009 U
Xylenes, Total	0.26	0.085 U	0.07 U	0.011 U	0.0089 U	0.096 U	0.018 U	0.03 U	0.026 U	0.038 U	0.033 U	0.071 U	0.018 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD relative percent difference exceeds control limits.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
*+ - LCS and/or LCSD is outside acceptance limits, biased high.
*3 - Internal standard response or retention time outside of acceptable limits.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2A
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Volatile Organic Compounds

Sample Location:		BLF-SE-136		BLF-SE-136		BLF-SE-137		BLF-SE-137		BLF-SE-138		BLF-SE-138	
Laboratory Sample Identification:		480-186216-11		480-186216-12		480-186274-1		480-186274-2		480-186274-3		480-186274-4	
Sample Depth (ft bss):		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0	
Sample Date:		6/17/2021		6/17/2021		6/18/2021		6/18/2021		6/18/2021		6/18/2021	
Unit:		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Analyte	**Unrestricted Use SCO[1]**	**Result**		**Result**		**Result**		**Result**		**Result**		**Result**	
1,1,1-Trichloroethane	0.68	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,1,2,2-Tetrachloroethane	NS	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
1,1,2-Trichloro- 1,2,2-trifluoroethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,1,2-Trichloroethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,1-Dichloroethane	0.27	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,1-Dichloroethene	0.33	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,2,4-Trichlorobenzene	NS	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
1,2-Dibromo-3-chloropropane (DBCP)	NS	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
1,2-Dibromoethane (EDB)	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,2-Dichlorobenzene	1.1	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
1,2-Dichloroethane	0.02	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,2-Dichloropropane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
1,3-Dichlorobenzene	2.4	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
1,4-Dichlorobenzene	1.8	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
2-Butanone (MEK)	0.12	**0.035**	**J**	**0.13**		**0.13**		**0.15**		**0.5**		**0.014**	**J**
2-Hexanone (MBK)	NS	0.045	U	0.84	U	0.11	U	0.076	U	0.22	U	0.04	U
4-Methyl-2-pentanone (MIBK)	NS	0.045	U	0.84	U	0.11	U	0.076	U	0.22	U	0.04	U
Acetone	0.05	**0.056**		**0.22**		**0.072**	**J**	**0.15**		**1.6**		**0.062**	
Benzene	0.06	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Bromodichloromethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Bromoform	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Bromomethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Carbon Disulfide	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Carbon Tetrachloride	0.76	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Chlorobenzene	1.1	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Chloroethane	NS	0.0091	*+U	0.017	*+U	0.022	*+U	0.015	*+U	0.044	*+U	0.0079	*+U
Chloroform	0.37	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Chloromethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
cis-1,2-Dichloroethene	0.25	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
cis-1,3-Dichloropropene	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Cyclohexane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Dibromochloromethane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Dichlorodifluoromethane (Freon 12)	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Ethylbenzene	1	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Isopropylbenzene (Cumene)	NS	0.0091	U	0.017	U	0.022	*3U	0.015	U	0.044	U	0.0079	U
Methyl acetate	NS	0.045	U	0.84	U	0.11	U	0.076	U	0.22	U	0.04	U
Methyl tert-Butyl Ether (MTBE)	0.93	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Methylcyclohexane	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Methylene Chloride	0.05	**0.006**	**JB**	**0.011**	**JB**	0.022	U	0.015	U	0.044	U	0.0079	U
Styrene	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Tetrachloroethene	1.3	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Toluene	0.7	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
trans-1,2-Dichloroethene	0.19	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
trans-1,3-Dichloropropene	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Trichloroethene	0.47	**0.0027**	**J**	**0.0044**	**J**	**0.029**	**B**	0.015	U	**0.033**	**JB**	**0.0025**	**J**
Trichlorofluoromethane (Freon 11)	NS	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Vinyl Chloride	0.02	0.0091	U	0.017	U	0.022	U	0.015	U	0.044	U	0.0079	U
Xylenes, Total	0.26	0.018	U	0.84	U	0.044	U	0.03	U	0.087	U	0.016	U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD relative percent difference exceeds control limits.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
*+ - LCS and/or LCSD is outside acceptance limits, biased high.
*3 - Internal standard response or retention time outside of acceptable limits.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2B
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds

Sample Location:		BLF-SE-112		BLF-SE-113		BLF-SE-114		BLF-SE-115		BLF-SE-116		BLF-SE-117		BLF-SE-118		BLF-SE-119	
Laboratory Sample Identification:		480-186018-1	480-186018-2	480-186018-3	480-186018-4	480-186018-5	480-186018-6	480-186018-7	480-186018-8	480-186084-1	480-186084-2	480-186084-5	480-186084-6	480-186084-3	480-186084-4	480-186084-7	480-186084-8
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/14/2021		6/14/2021		6/14/2021		6/14/2021		6/15/2021		6/15/2021		6/15/2021		6/15/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
2,4,5-Trichlorophenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2,4,6-Trichlorophenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2,4-Dichlorophenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2,4-Dimethylphenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2,4-Dinitrophenol	NS	2.6 U	2.1 U	9.5 F2U	9.1 U	36 U	6.3 U	9.4 U	9.9 U	6 U	11 U	3.9 U	2.4 U	5.3 U	11 U	2.9 U	2 U
2,4-Dinitrotoluene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2,6-Dinitrotoluene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2-Chloronaphthalene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2-Chlorophenol	NS	0.51 U	0.41 U	1.9 U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
2-Methylnaphthalene	NS	0.25 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2-Methylphenol	0.33	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
2-Nitroaniline	NS	0.51 U	0.41 U	1.9 U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
2-Nitrophenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
3,3'-Dichlorobenzidine	NS	0.51 U	0.41 U	1.9 U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
3-Nitroaniline	NS	0.51 U	0.21 U	1.9 U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
4,6-Dinitro-2-methylphenol	NS	0.51 U	0.41 U	1.9 F2U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
4-Bromophenyl-phenylether	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
4-Chloro-3-methylphenol	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
4-Chloroaniline	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
4-Chlorophenyl-phenyl ether	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
4-Methylphenol	0.33	0.51 U	0.41 U	1.9 U	0.93 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	**15**	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
4-Nitroaniline	NS	0.51 U	0.41 U	1.9 U	0.93 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
4-Nitrophenol	NS	0.51 U	0.41 U	1.9 U	0.93 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
Acenaphthene	20	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Acenaphthylene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Acetophenone	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Anthracene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Atrazine	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzaldehyde	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzo(a)anthracene	1	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzo(a)pyrene	1	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzo(b)fluoranthene	1	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzo(g,h,i)perylene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Benzo(k)fluoranthene	0.8	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Biphenyl	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
bis(2-chloroisopropyl)ether	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Bis(2-chloroethoxy)methane	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Bis(2-chloroethyl)ether	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Bis(2-ethylhexyl)phthalate	NS	**6.5**	**0.12 J**	0.97 U	0.93 U	**4.9**	0.64 U	**1.1**	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Butylbenzylphthalate	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Caprolactam	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Carbazole	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Chrysene	1	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Dibenz(a,h)anthracene	0.33	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Dibenzofuran	7	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Diethyl phthalate	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Dimethylphthalate	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Di-n-butylphthalate	NS	**0.19 JB**	**0.16 JB**	**0.51 JB**	**0.34 JB**	3.7 U	**0.37 JB**	**0.49 JB**	**0.81 JB**	0.62 U	1.2 U	0.4 U	0.25 U	**0.1 J**	1.1 U	0.3 U	0.21 U
Di-n-octylphthalate	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Fluoranthene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Fluorene	30	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Hexachlorobenzene	0.33	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Hexachlorobutadiene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Hexachlorocyclopentadiene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Hexachloroethane	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Indeno(1,2,3-cd)pyrene	0.5	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Isophorone	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Naphthalene	12	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Nitrobenzene	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
N-Nitroso-di-n-propylamine	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
N-Nitrosodiphenylamine	NS	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Pentachlorophenol	0.8	0.51 U	0.41 U	1.9 U	1.8 U	7.1 U	1.2 U	1.9 U	2 U	1.2 U	2.2 U	0.78 U	0.48 U	1.1 U	2.1 U	0.58 U	0.4 U
Phenanthrene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Phenol	0.33	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U
Pyrene	100	0.26 U	0.21 U	0.97 U	0.93 U	3.7 U	0.64 U	0.96 U	1 U	0.62 U	1.2 U	0.4 U	0.25 U	0.54 U	1.1 U	0.3 U	0.21 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F2 - MS/MSD relative percent difference exceeds control limits.

U - Analyte was not detected at specified quantitation limit.

*+ - LCS and/or LCSD is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2B
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds

Sample Location:		BLF-SE-120		BLF-SE-121		BLF-SE-122		BLF-SE-123		BLF-SE-124		BLF-SE-125		BLF-SE-126		BLF-SE-127	
Laboratory Sample Identification:		480-186084-11	480-186084-12	480-186179-3	480-186179-4	480-186179-5	480-186179-6	480-186179-7	480-186179-8	480-186084-9	480-186084-10	480-186084-13	480-186084-14	480-186179-1	480-186179-2	480-186179-9	480-186179-10
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/15/2021		6/16/2021		6/16/2021		6/16/2021		6/15/2021		6/15/2021		6/16/2021		6/16/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
2,4,5-Trichlorophenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2,4,6-Trichlorophenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2,4-Dichlorophenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2,4-Dimethylphenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2,4-Dinitrophenol	NS	2.5 U	2.3 U	14 U	84 U	5.9 U	2.2 U	2.5 U	2.1 U	2.1 U	2 U	13 U	12 U	5.9 U	5 U	7.7 U	4.5 U
2,4-Dinitrotoluene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2,6-Dinitrotoluene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2-Chloronaphthalene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2-Chlorophenol	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
2-Methylnaphthalene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2-Methylphenol	0.33	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
2-Nitroaniline	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
2-Nitrophenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
3,3'-Dichlorobenzidine	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
3-Nitroaniline	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
4,6-Dinitro-2-methylphenol	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
4-Bromophenyl-phenylether	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
4-Chloro-3-methylphenol	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
4-Chloroaniline	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
4-Chlorophenyl-phenyl ether	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
4-Methylphenol	0.33	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
4-Nitroaniline	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
4-Nitrophenol	NS	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
Acenaphthene	20	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Acenaphthylene	100	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Acetophenone	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Anthracene	100	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Atrazine	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzaldehyde	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzo(a)anthracene	1	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzo(a)pyrene	1	**0.046 J**	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	**0.035 J**	**0.034 J**	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzo(b)fluoranthene	1	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	**0.036 J**	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzo(g,h,i)perylene	100	**0.043 J**	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	**0.033 J**	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Benzo(k)fluoranthene	0.8	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Biphenyl	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
bis(2-chloroisopropyl)ether	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Bis(2-chloroethoxy)methane	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Bis(2-chloroethyl)ether	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Bis(2-ethylhexyl)phthalate	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Butylbenzylphthalate	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Caprolactam	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Carbazole	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Chrysene	1	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Dibenz(a,h)anthracene	0.33	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Dibenzofuran	7	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Diethyl phthalate	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Dimethylphthalate	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Di-n-butylphthalate	NS	**0.05 J**	**0.046 J**	**0.91 JB**	8.7 U	**0.4 JB**	**0.23 B**	**0.55 B**	**0.47 B**	**0.04 J**	0.21 U	1.4 U	1.3 U	**0.43 JB**	**0.51 B**	**1.5 B**	**1.3 B**
Di-n-octylphthalate	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Fluoranthene	100	**0.044 J**	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	**0.032 J**	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Fluorene	30	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Hexachlorobenzene	0.33	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Hexachlorobutadiene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Hexachlorocyclopentadiene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Hexachloroethane	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Indeno(1,2,3-cd)pyrene	0.5	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	**0.029 J**	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Isophorone	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Naphthalene	12	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Nitrobenzene	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
N-Nitroso-di-n-propylamine	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
N-Nitrosodiphenylamine	NS	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Pentachlorophenol	0.8	0.5 U	0.45 U	2.9 U	17 U	1.2 U	0.43 U	0.49 U	0.42 U	0.43 U	0.4 U	2.7 U	2.4 U	1.2 U	1 U	1.5 U	0.89 U
Phenanthrene	100	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Phenol	0.33	0.26 U	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	0.21 U	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U
Pyrene	100	**0.039 J**	0.023 U	1.5 U	8.7 U	0.61 U	0.22 U	0.25 U	0.22 U	0.22 U	**0.027 J**	1.4 U	1.3 U	0.6 U	0.51 U	0.78 U	0.46 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F2 - MS/MSD relative percent difference exceeds control limits.

U - Analyte was not detected at specified quantitation limit.

*+ - LCS and/or LCSD is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2B
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds

Sample Location:		BLF-SE-128		BLF-SE-129		BLF-SE-130		BLF-SE-131		BLF-SE-132		BLF-SE-133		BLF-SE-134		BLF-SE-135	
Laboratory Sample Identification:		480-186179-11	480-186179-12	480-186179-13	480-186179-14	480-186179-15	480-186179-16	480-186216-1	480-186216-2	480-186216-3	480-186216-4	480-186216-5	480-186216-6	480-186216-7	480-186216-8	480-186216-9	480-186216-10
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/16/2021		6/16/2021		6/16/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021	
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
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
2,4,5-Trichlorophenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2,4,6-Trichlorophenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2,4-Dichlorophenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2,4-Dimethylphenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2,4-Dinitrophenol	NS	39 U	3.5 U	8.8 U	8 U	11 U	9.2 U	2.4 U	2.1 U	12 U	3.1 U	3.6 U	3.8 U	5.3 U	3.6 U	8.9 U	4.1 U
2,4-Dinitrotoluene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2,6-Dinitrotoluene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2-Chloronaphthalene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2-Chlorophenol	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
2-Methylnaphthalene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2-Methylphenol	0.33	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
2-Nitroaniline	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
2-Nitrophenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
3,3'-Dichlorobenzidine	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
3-Nitroaniline	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
4,6-Dinitro-2-methylphenol	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
4-Bromophenyl-phenylether	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
4-Chloro-3-methylphenol	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
4-Chloroaniline	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
4-Chlorophenyl-phenyl ether	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
4-Methylphenol	0.33	**0.09 J**	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	**5.7**	0.62 U	**0.097 J**	0.75 U	1.1 U	0.72 U	**0.47 J**	0.81 U
4-Nitroaniline	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
4-Nitrophenol	NS	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
Acenaphthene	20	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Acenaphthylene	100	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Acetophenone	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Anthracene	100	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Atrazine	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzaldehyde	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 F2U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzo(a)anthracene	1	**0.082 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzo(a)pyrene	1	**0.073 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzo(b)fluoranthene	1	**0.09 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzo(g,h,i)perylene	100	**0.049 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Benzo(k)fluoranthene	0.8	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Biphenyl	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
bis(2-chloroisopropyl)ether	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Bis(2-chloroethoxy)methane	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Bis(2-chloroethyl)ether	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Bis(2-ethylhexyl)phthalate	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Butylbenzylphthalate	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Caprolactam	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Carbazole	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Chrysene	1	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Dibenz(a,h)anthracene	0.33	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Dibenzofuran	7	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Diethyl phthalate	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Dimethylphthalate	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Di-n-butylphthalate	NS	**0.78 B**	**0.69 B**	**1.8 B**	**1.3 B**	**0.63 JB**	**1.6 B**	**0.59 B*+**	**0.26 B*+**	**2.1 B*+**	**0.36 B*+**	**0.5 B*+**	**0.43 B*+**	**0.72 B*+**	**0.46 B*+**	**0.94 B*+**	**0.62 B*+**
Di-n-octylphthalate	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Fluoranthene	100	**0.18 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Fluorene	30	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Hexachlorobenzene	0.33	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Hexachlorobutadiene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Hexachlorocyclopentadiene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Hexachloroethane	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Indeno(1,2,3-cd)pyrene	0.5	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Isophorone	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Naphthalene	12	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Nitrobenzene	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
N-Nitroso-di-n-propylamine	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
N-Nitrosodiphenylamine	NS	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Pentachlorophenol	0.8	0.77 U	0.69 U	1.7 U	1.6 U	2.2 U	1.8 U	0.47 U	0.43 U	2.4 U	0.62 U	0.72 U	0.75 U	1.1 U	0.72 U	1.8 U	0.81 U
Phenanthrene	100	**0.11 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Phenol	0.33	0.4 U	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U
Pyrene	100	**0.16 J**	0.36 U	0.9 U	0.82 U	1.2 U	0.94 U	0.24 U	0.22 U	1.3 U	0.32 U	0.37 U	0.39 U	0.54 U	0.37 U	0.92 U	0.42 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F2 - MS/MSD relative percent difference exceeds control limits.

U - Analyte was not detected at specified quantitation limit.

*+ - LCS and/or LCSD is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2B
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Semivolatile Organic Compounds

Sample Location:		BLF-SE-136		BLF-SE-137		BLF-SE-138	
Laboratory Sample Identification:		480-186216-11	480-186216-12	480-186274-1	480-186274-2	480-186274-3	480-186274-4
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/17/2021		6/18/2021		6/18/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
2,4,5-Trichlorophenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2,4,6-Trichlorophenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2,4-Dichlorophenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2,4-Dimethylphenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2,4-Dinitrophenol	NS	2.8 U	4.2 U	6 U	4.2 U	11 U	2.3 U
2,4-Dinitrotoluene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2,6-Dinitrotoluene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2-Chloronaphthalene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2-Chlorophenol	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
2-Methylnaphthalene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2-Methylphenol	0.33	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
2-Nitroaniline	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
2-Nitrophenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
3,3'-Dichlorobenzidine	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
3-Nitroaniline	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
4,6-Dinitro-2-methylphenol	NS	0.55 U	0.84 U	1.2 *+U	0.84 *+U	2.2 *+U	0.46 *+U
4-Bromophenyl-phenylether	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
4-Chloro-3-methylphenol	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
4-Chloroaniline	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
4-Chlorophenyl-phenyl ether	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
4-Methylphenol	0.33	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
4-Nitroaniline	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
4-Nitrophenol	NS	0.55 U	0.84 U	1.2 U	0.84 U	2.2 U	0.46 U
Acenaphthene	20	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Acenaphthylene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Acetophenone	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Anthracene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Atrazine	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzaldehyde	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzo(a)anthracene	1	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzo(a)pyrene	1	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzo(b)fluoranthene	1	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzo(g,h,i)perylene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Benzo(k)fluoranthene	0.8	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Biphenyl	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
bis(2-chloroisopropyl)ether	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Bis(2-chloroethoxy)methane	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Bis(2-chloroethyl)ether	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Bis(2-ethylhexyl)phthalate	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Butylbenzylphthalate	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Caprolactam	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Carbazole	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Chrysene	1	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Dibenz(a,h)anthracene	0.33	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Dibenzofuran	7	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Diethyl phthalate	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Dimethylphthalate	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Di-n-butylphthalate	NS	**0.2 JB*+**	**0.47 B*+**	**2.8 B**	**1.1 B**	**3.5 B**	**0.76 B**
Di-n-octylphthalate	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Fluoranthene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Fluorene	30	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Hexachlorobenzene	0.33	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Hexachlorobutadiene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Hexachlorocyclopentadiene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Hexachloroethane	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Indeno(1,2,3-cd)pyrene	0.5	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Isophorone	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Naphthalene	12	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Nitrobenzene	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
N-Nitroso-di-n-propylamine	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
N-Nitrosodiphenylamine	NS	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Pentachlorophenol	0.8	0.55 U	0.84 U	1.2 *+U	0.84 *+U	2.2 *+U	0.46 *+U
Phenanthrene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Phenol	0.33	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U
Pyrene	100	0.28 U	0.43 U	0.62 U	0.43 U	1.1 U	0.23 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F2 - MS/MSD relative percent difference exceeds control limits.

U - Analyte was not detected at specified quantitation limit.

*+ - LCS and/or LCSD is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		BLF-SE-112		BLF-SE-113		BLF-SE-114		BLF-SE-115		BLF-SE-116	
Laboratory Sample Identification:		480-186018-1	480-186018-2	480-186018-3	480-186018-4	480-186018-5	480-186018-6	480-186018-7	480-186018-8	480-186084-1	480-186084-2
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/14/2021		6/14/2021		6/14/2021		6/14/2021		6/15/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCBs											
Aroclor-1016	NS	16 U	2.8 U	1.3 U	1.1 U	0.87 U	0.84 U	1.4 U	1.2 U	0.66 U	1.8 U
Aroclor-1221	NS	16 U	2.8 U	1.3 U	1.1 U	0.87 U	0.84 U	1.4 U	1.2 U	0.66 U	1.8 U
Aroclor-1232	NS	16 U	2.8 U	1.3 U	1.1 U	0.87 U	0.84 U	1.4 U	1.2 U	0.66 U	1.8 U
Aroclor-1242	NS	16 U	2.8 U	1.3 U	1.1 U	0.87 U	0.84 U	1.4 U	1.2 U	0.66 U	1.8 U
Aroclor-1248	NS	**100**	**24**	1.3 U	1.1 U	0.87 U	0.84 U	**22**	**0.36 J**	**2.7**	1.8 U
Aroclor-1254	NS	16 U	2.8 U	**2.1**	1.1 U	**22**	**0.96**	1.4 U	1.2 U	0.66 U	1.8 U
Aroclor-1260	NS	16 U	2.8 U	1.3 U	1.1 U	0.87 U	0.84 U	1.4 U	1.2 U	0.66 U	1.8 U
PCBs, Total	0.1	**100**	**24**	**2.1**	1.1 U	**22**	**0.96**	**22**	**0.36 J**	**2.7**	1.8 U
Metals and Cyanide (total)											
Aluminum	NS	**12,600**	**16,000**	**15,100**	**20,600**	**10,200**	**28,000**	**5,080**	**7,310**	**10,600**	**2,960**
Antimony	NS	25 U	19.4 U	91.3 U	84.3 U	**6.9 J**	57.5 U	85.1 U	90.2 U	58 U	109 U
Arsenic	13	**3.8**	**2.5 J**	**30.5**	**11.7**	**4.6 J**	**3.8 J**	**2.9 J**	**2.4 J**	**2.2 J**	14.5 U
Barium	350	**157**	**144**	**385 F1**	**384**	**1,140**	**451**	**304**	**281**	**249**	**499**
Beryllium	7.2	**0.44**	**0.49**	**0.69 J**	**0.93 J**	**0.48 J**	**1**	**0.24 J**	**0.4 J**	**0.28 J**	1.4 U
Cadmium	2.5	**0.22 J**	**0.11 J**	**1.7**	**0.51 J**	**4.5**	**0.96**	**1.3**	**1.7**	**1.2**	**1.6**
Calcium	NS	**11,700 B**	**3,400 B**	**24,000 BF1F2**	**28,900 B**	**25,600 B**	**31,600 B**	**50,300 B**	**53,300 B**	**32,700**	**48,300**
Chromium	1(a)	**24.7**	**26.9**	**72.7**	**74.7**	**784**	**65.6**	**743**	**33.7**	**158**	**16.2**
Cobalt	NS	**6.3**	**7.7**	**6.6**	**5.2**	**9.3**	**6.5**	**8.6**	**4.4**	**5.3**	**1.3 J**
Copper	50	**22.5**	**16.8**	**81.7**	**95.7**	**214**	**75.1**	**495**	**83.2**	**58.1**	**16.3**
Iron	NS	**13,300**	**13,800**	**49,600**	**27,400**	**16,300**	**12,000**	**8,910**	**4,770**	**12,500**	**6,760**
Lead	63	**20.2**	**11**	**103 F2**	**21.5**	**1,690**	**36.6**	**153**	**6.6**	**30.3**	**61**
Magnesium	NS	**2,600 B**	**3,510 B**	**3,100 B**	**3,960 B**	**3,500 B**	**5,510 B**	**4,270 B**	**4,470 B**	**3,550**	**4,420**
Manganese	1,600	**709 B**	**578 B**	**468 B**	**906 B**	**133 B**	**195 B**	**730 B**	**819 B**	**1,350 B**	**199 B**
Nickel	30	**14.7**	**16.4**	**32.1**	**20.4 J**	**132**	**80.8**	**662**	**90**	**102**	**11.3 J**
Potassium	NS	**1,520**	**2,220**	**1,780**	**2,040**	**1,070**	**2,830**	**618**	**522**	**1,590**	**892**
Selenium	3.9	**1.4 J**	**0.63 J**	**7.4 J**	**8 J**	**2.7 J**	**7.1 J**	**3 J**	**9.3 J**	15.5 U	28.9 U
Silver	2	1 U	0.77 U	3.7 U	3.4 U	**1.8 J**	2.3 U	3.4 U	3.6 U	2.3 U	4.3 U
Sodium	NS	**154 J**	**125 J**	**347 J**	**313 J**	**600 J**	**351 J**	**314 J**	**313 J**	**155 J**	**206 J**
Thallium	NS	10 U	7.7 U	36.5 U	33.7 U	26.3 U	2.3 U	34 U	36.1 U	23.2 U	43.4 U
Vanadium	NS	**14.5**	**17.5**	**20.9**	**20**	**18**	**32.1**	**10.7**	**17.9**	**16.2**	**9.3**
Zinc	109	**43.6**	**39.8**	**110**	**58.8**	**260**	**89.5**	**238**	**99.1**	**94.3**	**132**
Mercury	0.18	**0.069**	**0.058**	**0.3**	**0.22**	**0.46**	**0.34**	**0.26**	**0.2**	**0.22**	**0.17**
Cyanide	27	1.5 U	1.2 U	5.2 F1U	5.3 U	3.9 U	3.2 U	5.1 U	5.6 U	3.5 U	6.7 U
General Chemistry											
Total Organic Carbon	NS	**67,400**	**14,800**	**309,000**	**245,000**	**318,000**	**226,000**	**317,000**	**419,000**	**299,000**	**112,000**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

PCBs - Polychlorinated biphenyls.

(a) - Value for chromium (VI) used.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		BLF-SE-117		BLF-SE-118		BLF-SE-119		BLF-SE-120		BLF-SE-121	
Laboratory Sample Identification:		480-186084-5	480-186084-6	480-186084-3	480-186084-4	480-186084-7	480-186084-8	480-186084-11	480-186084-12	480-186179-3	480-186179-4
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/15/2021		6/15/2021		6/15/2021		6/15/2021		6/16/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCBs											
Aroclor-1016	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1221	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1232	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1242	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1248	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1254	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Aroclor-1260	NS	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
PCBs, Total	0.1	0.5 U	0.33 U	0.62 U	1.5 U	0.44 U	0.29 U	0.36 U	0.27 U	1.8 U	2.1 U
Metals and Cyanide (total)											
Aluminum	NS	**12,200**	**4,080**	**18,600**	**3,080**	**17,100**	**16,400**	**19,100**	**22,300**	**5,040**	**9,140**
Antimony	NS	34.9 U	21.7 U	51.2 U	103 U	25.8 U	18.5 U	22.8 U	21.2 U	137 U	133 U
Arsenic	13	**2.1 J**	**0.7 J**	**2.1 J**	13.8 U	**1.5 J**	**1.6 J**	**3.5**	**3.7**	**8.6 J**	**7.9 J**
Barium	350	**163**	**48.7**	**289**	**293**	**182**	**168**	**165**	**181**	**338**	**386**
Beryllium	7.2	**0.33 J**	**0.1 J**	**0.59 J**	1.4 U	**0.53**	**0.52**	**0.66**	**0.73**	**0.29 J**	**0.37 J**
Cadmium	2.5	**0.47**	**0.12 J**	**0.92**	**1.5**	**0.41**	**0.16 J**	**0.51**	**0.29**	**1.3 J**	**1.7 J**
Calcium	NS	**8,990**	**3,890**	**19,700**	**47,100**	**6,030**	**2,780**	**6,290**	**3,870**	**45,600**	**40,000**
Chromium	1(a)	**12.7**	**5**	**36.1**	**7.2**	**18.3**	**20.5**	**20.1**	**24.3**	**6.4**	**10.5**
Cobalt	NS	**4.2**	**1.9**	**4.7**	**0.96 J**	**5.8**	**8.7**	**7.1**	**8.7**	**2 J**	**1.9 J**
Copper	50	**14.8**	**5.1**	**30.2**	**24**	**9.3**	**4.7**	**21.3**	**17.9**	**32.8**	**72.8**
Iron	NS	**9,750**	**4,420**	**9,600**	**4,770**	**13,000**	**17,100**	**14,100**	**19,500**	**15,000**	**12,400**
Lead	63	**16.7**	**2.3**	**16.9**	**12**	**16.9**	**8.1**	**30.2**	**18.4**	**47.8 B**	**30 B**
Magnesium	NS	**2,420**	**1,190**	**3,830**	**4,080**	**3,110**	**3,940**	**3,230**	**3,710**	**3,080**	**3,880**
Manganese	1,600	**214 B**	**81.7 B**	**200 B**	**96.8 B**	**179 B**	**295 B**	**197 B**	**291 B**	**642 B**	**655 B**
Nickel	30	**9.4 J**	**4 J**	**20.1**	**7.6 J**	**12.5**	**15.6**	**6.5**	**18.8**	**6.6 J**	**11.7 J**
Potassium	NS	**1,120**	**623**	**2,040**	**326**	**1570**	**2,080**	**1,760**	**2,180**	**491**	**637**
Selenium	3.9	9.3 U	5.8 U	**2.6 J**	27.5 U	6.9 U	4.9 U	6.1 U	5.7 U	36.7 U	**4.9 J**
Silver	2	1.4 U	0.87 U	2 U	4.1 U	1 U	0.62 U	**0.35 J**	0.85 U	5.5 U	5.3 U
Sodium	NS	**83.9 J**	**47.9 J**	**164 J**	**155 J**	**98.7 J**	**92.6 J**	**80.2 J**	**78.2 J**	**155 J**	**136 J**
Thallium	NS	14 U	8.7 U	20.5 U	41.3 U	10.3 U	7.4 U	9.1 U	8.5 U	55 U	53.1 U
Vanadium	NS	**17.7**	**7.2**	**25.1**	**14.1**	**26.3**	**33.3**	**30.5**	**35.1**	**17.8**	**39.9**
Zinc	109	**92.7**	**34.4**	**58.8**	**94.2**	**67**	**47.6**	**74.3**	**72.7**	**125**	**129**
Mercury	0.18	**0.066**	**0.018 J**	**0.28**	**0.14 J**	**0.096**	**0.022**	**0.12**	**0.087**	**0.072 J**	**0.26**
Cyanide	27	2.2 U	1.4 U	2.8 U	5.8 U	1.7 U	1.1 U	1.4 U	1.3 U	7.6 U	8.2 U
General Chemistry											
Total Organic Carbon	NS	**77,400**	**19,000**	**368,000**	**247,000**	**18,700**	**6,060**	**51,600**	**9,840**	**263,000**	**347,000**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

PCBs - Polychlorinated biphenyls.

(a) - Value for chromium (VI) used.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		BLF-SE-122		BLF-SE-123		BLF-SE-124		BLF-SE-125		BLF-SE-126	
Laboratory Sample Identification:		480-186179-5	480-186179-6	480-186179-7	480-186179-8	480-186084-9	480-186084-10	480-186084-13	480-186084-14	480-186179-1	480-186179-2
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/16/2021		6/16/2021		6/15/2021		6/15/2021		6/16/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCBs											
Aroclor-1016	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1221	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1232	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1242	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1248	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1254	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Aroclor-1260	NS	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
PCBs, Total	0.1	0.82 U	0.24 U	0.27 U	0.25 U	0.28 U	0.24 U	1.6 U	1.7 U	0.83 U	0.68 U
Metals and Cyanide (total)											
Aluminum	NS	**14,500**	**7,190**	**2,010**	**2,960**	**8,860 F1**	**10,500**	**4,580**	**2,560**	**15,700**	**13,400 U**
Antimony	NS	56.6 U	20.7 U	23.8 U	19.5 U	20.2 U	17.8 U	121 U	111 U	54.8 U	46.7 U
Arsenic	13	**3.5 J**	**2.5 J**	**0.66 J**	**0.96 J**	**4.6**	**3.6**	16.2 U	14.9 U	**2.8 J**	**2 J**
Barium	350	**256**	**56.3**	**27.5**	**32.9**	**92.8**	**57.3**	**121**	**92.6**	**152**	**154**
Beryllium	7.2	**0.59 J**	**0.34**	**0.052 J**	**0.14 J**	**0.36**	**0.47**	1.6 U	1.5 U	**0.64 J**	**0.5 J**
Cadmium	2.5	**0.65 J**	**0.16 J**	**0.054 J**	**0.056 J**	**0.27**	**0.15 J**	**0.8 J**	**0.6 J**	**0.81**	**0.77**
Calcium	NS	**18,200**	**29,100**	**2,540**	**3,460**	**13,700 F2**	**5,300**	**44,800**	**43,200**	**19,700**	**19,100**
Chromium	1(a)	**14.8**	**8.5**	**2.6**	**4.3**	**17.2**	**18.5**	**5.9**	**3 J**	**17.8**	**15.2**
Cobalt	NS	**5.8**	**5.4**	**1.8**	**2.6**	**8**	**5.4**	**1.8 J**	**0.45 J**	**4**	**5.2**
Copper	50	**15.9**	**15**	**2.4**	**7.2**	**19.1**	**18.2**	**13.8**	**15.2**	**42.1**	**39.4**
Iron	NS	**13,900**	**11,900**	**3,500**	**4,990**	**18,900**	**15,800**	**9,970**	**4,430**	**12,600**	**9,550**
Lead	63	**20.5 B**	**8.6 B**	**1.1 JB**	**2.2 B**	**30.4**	**23.1**	**45.4**	**21.3**	**29.1 B**	**11.8 B**
Magnesium	NS	**2,870**	**13,700**	**957**	**1,830**	**4,690 F1F2**	**2,940**	**3,010**	**2,570**	**3,720**	**3,020**
Manganese	1,600	**476 B**	**261 B**	**73.7 B**	**91.1 B**	**1,060 BF2**	**488 B**	**236 B**	**119 B**	**294 B**	**279 B**
Nickel	30	**12.8 J**	**11**	**2.9 J**	**4.5 J**	**14.9**	**14.1**	**6 J**	**3.7 J**	**12.3 J**	**13.7 J**
Potassium	NS	**789**	**1,880**	**329**	**630**	**1,840 F1**	**1,950**	**952**	**313**	**2,130**	**1,520**
Selenium	3.9	**3.1 J**	**0.77 J**	6.4 U	5.2 U	5.4 U	4.7 U	32.4 U	29.7 U	**2.3 J**	**3.1 J**
Silver	2	2.3 U	0.83 U	0.95 U	0.78 U	0.81 U	0.71 U	4.9 U	4.5 U	2.2 U	1.9 U
Sodium	NS	**107 J**	**90.9 J**	**49.3 J**	**33.6 J**	**289**	**279**	**113 J**	1,040 U	**1,520**	**1040**
Thallium	NS	22.7 U	8.3 U	9.5 U	7.8 U	8.1 U	7.1 U	48.6 U	44.6 U	21.9 U	18.7 U
Vanadium	NS	**19.6**	**14.3**	**4.2**	**5.4**	**19**	**20**	**12.3**	**5.9**	**25**	**21.8**
Zinc	109	**47.9**	**24.4**	**10.3**	**15.6**	**82.6 F1F2**	**69.3**	**73.7**	**31.9**	**89.3**	**64.5**
Mercury	0.18	**0.21**	**0.022 J**	0.033 U	**0.013 J**	**0.035**	**0.051**	**0.15 J**	**0.14 J**	**0.24**	**0.21**
Cyanide	27	3.5 U	1.2 U	1.4 U	1.2 U	1.1 F2U	1.1 U	7.2 U	6.9 U	3.1 U	2.6 U
General Chemistry											
Total Organic Carbon	NS	**83,500**	**4,840**	**25,700**	**5,360**	**18,200**	**13,300**	**290,000**	**346,000**	**22,400**	**189,000**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

PCBs - Polychlorinated biphenyls.

(a) - Value for chromium (VI) used.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		BLF-SE-127		BLF-SE-128		BLF-SE-129		BLF-SE-130		BLF-SE-131	
Laboratory Sample Identification:		480-186179-9	480-186179-10	480-186179-11	480-186179-12	480-186179-13	480-186179-14	480-186179-15	480-186179-16	480-186216-1	480-186216-2
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/16/2021		6/16/2021		6/16/2021		6/16/2021		6/17/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCBs											
Aroclor-1016	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1221	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1232	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1242	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1248	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1254	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Aroclor-1260	NS	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
PCBs, Total	0.1	1 U	0.6 U	0.4 U	0.45 U	1.1 U	0.95 U	1.7 U	0.94 U	0.29 U	0.29 U
Metals and Cyanide (total)											
Aluminum	NS	**19,100**	**28,900**	**14,500**	**20,500**	**9,620**	**6,970**	**5,770 F1**	**12,300**	**2,500**	**3,920**
Antimony	NS	75 U	42.7 U	35.7 U	32.3 U	81.8 U	76.5 U	103 U	83.9 U	22.2 U	19.2 U
Arsenic	13	**7.1 J**	**2.9 J**	**6.1**	**2.5 J**	**4 J**	**3.7 J**	**4.3 J**	**2.9 J**	**1.2 J**	**1.2 J**
Barium	350	**322**	**388**	**210**	**226**	**169**	**133**	**116**	**155**	**34 ^6+**	**27.3 ^6+**
Beryllium	7.2	**0.72 J**	**0.99**	**0.5**	**0.6**	**0.33 J**	**0.31 J**	**0.28 J**	**0.37 J**	**0.099 J**	**0.14 J**
Cadmium	2.5	**1.5**	**1.5**	**0.47 J**	**0.38 J**	**0.74 J**	**0.63 J**	**0.81 J**	**0.44 J**	**0.067 J**	**0.045 J**
Calcium	NS	**22,000**	**14,800**	**9,200**	**8,690**	**27,700**	**26,500**	**34,600 F1**	**20,300**	**4,530 B**	**13,200 B**
Chromium	1(a)	**21.5**	**32.6**	**17.6**	**24.2**	**11.5**	**8.8**	**8.8**	**14.8**	**3**	**5.1**
Cobalt	NS	**6.8**	**7 J**	**8**	**7.3**	**3.6**	**4.2**	**3.9**	**3.9**	**3**	**4.1**
Copper	50	**40.6**	**52.2**	**15**	**12.5**	**29.4**	**24.8**	**26.4**	**22.7**	**7.8**	**15.6**
Iron	NS	**15,200**	**14,700**	**20,200**	**14,400**	**9,860**	**11,000**	**23,600 F1F2**	**9,850**	**3,160 B**	**6,230 B**
Lead	63	**38.7 B**	**16.6 B**	**23.2 B**	**11.9 B**	**10.4 B**	**6.9 B**	**8.9 B**	**5.6 B**	**2.7**	**3.1**
Magnesium	NS	**4,330**	**5,300**	**3,150**	**3,940**	**3,040**	**2,660**	**3,910**	**3,390**	**2,280**	**4,800**
Manganese	1,600	**316 B**	**275 B**	**772 B**	**381 B**	**432 B**	**354 B**	**473 BF1F2**	**306 B**	**51 B**	**133 B**
Nickel	30	**16.6 J**	**18.8**	**13.1**	**14.7**	**9.8 J**	**7.7 J**	**8.7 J**	**8.5 J**	**3.3 J**	**6.3 J**
Potassium	NS	**1,960**	**2,750**	**1,580**	**2,390**	**933**	**722**	**714**	**1,330**	**535**	**1,050**
Selenium	3.9	**3.3 J**	**2.8 J**	**1.4 J**	**1.3 J**	21.8 U	20.4 U	27.3 U	22.4 U	5.9 U	5.1 U
Silver	2	3 U	1.7 U	1.4 U	1.3 U	3.3 U	3.1 U	4.1 U	3.4 U	0.89 U	0.77 U
Sodium	NS	**266 J**	**178 J**	**96.1 J**	**111 J**	**227 J**	**208 J**	**362 J**	**253 J**	**43.5 J**	**59.7 J**
Thallium	NS	30 U	17.1 U	14.3 U	12.9 U	32.7 U	30.6 U	41 U	33.6 U	8.9 U	7.7 U
Vanadium	NS	**29.4**	**33.7**	**23.4**	**26.4**	**22.3**	**16.3**	**14**	**20.7**	**4.8**	**7.8**
Zinc	109	**114**	**130**	**93.4**	**101**	**33.8**	**37.8**	**69.8**	**50.8**	**9.4**	**17.1**
Mercury	0.18	**0.2**	**0.27**	**0.14**	**0.14**	**0.16**	**0.1 J**	**0.1 J**	**0.064 J**	**0.014 J**	**0.018 J**
Cyanide	27	4.2 U	2.5 U	2.1 U	1.9 U	4.5 U	4.4 U	6.5 F1F2U	5 F1U	1.4 U	1.2 U
General Chemistry											
Total Organic Carbon	NS	**161,000**	**139,000**	**79,900**	**58,200**	**193,000**	**236,000**	**244,000 F2 F1**	**198,000**	**12,600**	**3,100**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

PCBs - Polychlorinated biphenyls.

(a) - Value for chromium (VI) used.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		BLF-SE-132		BLF-SE-133		BLF-SE-134		BLF-SE-135		BLF-SE-136	
Laboratory Sample Identification:		480-186216-3	480-186216-4	480-186216-5	480-186216-6	480-186216-7	480-186216-8	480-186216-9	480-186216-10	480-186216-11	480-186216-12
Sample Depth (ft bss):		0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:		6/17/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021	
Unit:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PCBs											
Aroclor-1016	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1221	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1232	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1242	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1248	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1254	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Aroclor-1260	NS	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
PCBs, Total	0.1	1.3 U	0.4 U	0.54 U	0.57 U	0.73 U	0.47 U	1.1 U	0.47 U	0.29 U	0.58 U
Metals and Cyanide (total)											
Aluminum	NS	**8,680**	**5,020**	**7,800**	**12,900**	**15,900**	**10,000**	**9,810**	**9,180**	**6,690**	**33,400**
Antimony	NS	114 U	27.1 U	33.2 U	34.8 U	47.5 U	34 U	78.3 U	39 U	25.8 U	37.5 U
Arsenic	13	**8.1 J**	**2.1 J**	**2.9 J**	**3 J**	**5.4 J**	**1.7 J**	**8.3 J**	**4.4 J**	**2.3 J**	**3.7 J**
Barium	350	**158 ^6+**	**46.7 ^6+**	**95.6 ^6+**	**148 ^6+**	**189 ^6+**	**130 ^6+**	**150 ^6+**	**85.8 ^6+**	**65.8 ^6+**	**269 ^6+**
Beryllium	7.2	**0.4 J**	**0.2 J**	**0.27 J**	**0.42 J**	**0.51 J**	**0.29 J**	**0.43 J**	**0.34 J**	**0.3 J**	**0.89**
Cadmium	2.5	**1.4 J**	**0.19 J**	**0.62**	**0.65**	**0.86**	**0.37 J**	**0.8 J**	**0.33 J**	**0.29 J**	**0.52**
Calcium	NS	**26,500 B**	**3,670 B**	**10,300 B**	**11,100 B**	**16,400 B**	**10,800 B**	**20,600 B**	**9,350 B**	**9,770 B**	**12,300 B**
Chromium	1(a)	**10.3**	**6.3**	**8.9**	**14.1**	**17.2**	**11.6**	**12.3**	**10.3**	**8.7**	**28.9**
Cobalt	NS	**2.8 J**	**5.5**	**2.2**	**4.5**	**3.5**	**3.4**	**4.3**	**3.5**	**3.4**	**3.5**
Copper	50	**38.4**	**14.3**	**15.6**	**19.6**	**25.4**	**17.6**	**27.1**	**29.6**	**19.3**	**18**
Iron	NS	**13,400 B**	**6,480 B**	**6,550 B**	**8,410 B**	**12,200 B**	**7,590 B**	**15,800 B**	**9,650 B**	**8,390 B**	**24,300 B**
Lead	63	**41.5**	**2.9**	**19**	**15.4**	**29.5**	**5.7**	**28.9**	**8.3**	**10**	**16.8**
Magnesium	NS	**2,950**	**1,890**	**1,640**	**2,300**	**3,080**	**2,000**	**3,070**	**3,100**	**2,770**	**7,760**
Manganese	1,600	**413 B**	**74.4 B**	**170 B**	**171 B**	**213 B**	**159 B**	**203 B**	**100 B**	**111 B**	**271 B**
Nickel	30	**10.7 J**	**7 J**	**5.5 J**	**8.4 J**	**11.5 J**	**7.7 J**	**11 J**	**13**	**8.6**	**28.6**
Potassium	NS	**1,080**	**664**	**989**	**1,560**	**1,910**	**1,160**	**1,650**	**1,380**	**1,140**	**4,610**
Selenium	3.9	**3 J**	7.2 U	**1.3 J**	**1.8 J**	**2.2 J**	**1.7 J**	**2.1 J**	10.4 U	**0.89 J**	**2.5 J**
Silver	2	4.6 U	1.1 U	1.3 U	1.4 U	1.9 U	1.4 U	3.1 U	1.6 U	1 U	1.5 U
Sodium	NS	**347 J**	**105 J**	**98.7 J**	**125 J**	**207 J**	**129 J**	**590 J**	**368**	**789**	**1,600**
Thallium	NS	45.5 U	10.8 U	13.3 U	13.9 U	19 U	13.6 U	31.3 U	15.6 U	10.3 U	15 U
Vanadium	NS	**25.3**	**12**	**17.8**	**24.3**	**34.5**	**19.4**	**28**	**17.5**	**17.1**	**52.4**
Zinc	109	**62.8**	**23**	**61.4**	**69.6**	**101**	**55.5**	**106**	**45.3**	**39.4**	**138**
Mercury	0.18	**0.18 J**	**0.021 J**	**0.14**	**0.15**	**0.18**	**0.072**	**0.12 J**	**0.047 J**	**0.058**	**0.1**
Cyanide	27	6.6 U	1.8 U	1.9 U	2 U	2.8 U	2 U	4.8 U	2.2 U	1.6 U	2.2 U
General Chemistry											
Total Organic Carbon	NS	**358,000**	**53,000**	**287,000**	**96,000**	**270,000**	**175,000**	**289,000**	**86,400**	**38,100**	**179,000**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

ft bss - feet below sediment surface.

B - Compound was found in the blank and sample.

J - Estimated value.

F1 - MS and/or MSD recovery exceeds control limits.

F2 - MS/MSD RPD exceeds control limits.

NS - No NYSDEC standards exist for this analyte.

U - Analyte was not detected at specified quantitation limit.

^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.

Values in **bold** indicate the analyte was detected.

Shading indicates result above the listed Unrestricted Use SCO.

PCBs - Polychlorinated biphenyls.

(a) - Value for chromium (VI) used.

[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2C
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for PCBs, Metals, Cyanide, and Total Organic Carbon

Sample Location:		**BLF-SE-137**				**BLF-SE-138**		
Laboratory Sample Identification:		480-186274-1		480-186274-2		480-186274-3		480-186274-4
Sample Depth (ft bss):		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0
Sample Date:		6/18/2021				6/18/2021		
Unit:		mg/kg		mg/kg		mg/kg		mg/kg
Analyte	**Unrestricted Use SCO[1]**	**Result**		**Result**		**Result**		**Result**
PCBs								
Aroclor-1016	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1221	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1232	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1242	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1248	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1254	NS	0.72	U	0.49	U	1.2	U	0.26 U
Aroclor-1260	NS	0.72	U	0.49	U	1.2	U	0.26 U
PCBs, Total	0.1	0.72	U	0.49	U	1.2	U	0.26 U
Metals and Cyanide (total)								
Aluminum	NS	**21,700**	**B**	**17,100**	**B**	**8,280**	**B**	**18,000 B**
Antimony	NS	57.2	U	41	U	105	U	20.1 U
Arsenic	13	**4.4**	**J**	**3**	**J**	**8.5**	**J**	**2.2 J**
Barium	350	**198**	**^6+**	**168**	**^6+**	**167**	**^6+**	**142 ^6+**
Beryllium	7.2	**0.72**	**J**	**0.53**	**J**	**0.29**	**J**	**0.68**
Cadmium	2.5	**0.85**		**0.65**		**0.65**	**J**	**0.13 J**
Calcium	NS	**21,300**		**18,400**		**22,400**		**5,350**
Chromium	1(a)	**25.7**		**19.8**		**10.3**		**21**
Cobalt	NS	**5.8**		**4.5**		**3.5**		**4.8**
Copper	50	**36.2**		**28.4**		**27.9**		**14.4**
Iron	NS	**15,000**		**11,900**		**17,500**		**11,800**
Lead	63	**33.3**		**14.5**		**28.3**		**6.9**
Magnesium	NS	**5,090**		**4,260**		**2,370**		**3,300**
Manganese	1,600	**184**	**B**	**166**	**B**	**306**	**B**	**94.3 B**
Nickel	30	**17.4**	**J**	**12.7**	**J**	**10.3**	**J**	**13.1**
Potassium	NS	**2,860**		**2,140**		**1,240**		**1,970**
Selenium	3.9	15.3	U	10.9	U	28	U	5.4 U
Silver	2	2.3	U	1.6	U	4.2	U	0.8 U
Sodium	NS	**1,820**	**B**	**1,130**	**B**	**379**	**JB**	**152 JB**
Thallium	NS	22.9	U	16.4	U	42	U	8 U
Vanadium	NS	**37.3**		**28**		**20.1**		**32.5**
Zinc	109	**101**		**70.8**		**99.8**		**34.4**
Mercury	0.18	**0.2**		**0.15**		**0.17**		**0.034**
Cyanide	27	3.5	U	2.2	U	6.4	U	1.3 F1U
General Chemistry								
Total Organic Carbon	NS	**216,000**		**171,000**		**345,000**		**43,900**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
J - Estimated value.
F1 - MS and/or MSD recovery exceeds control limits.
F2 - MS/MSD RPD exceeds control limits.
NS - No NYSDEC standards exist for this analyte.
U - Analyte was not detected at specified quantitation limit.
^6+ - Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, biased high.
Values in **bold** indicate the analyte was detected.
Shading indicates result above the listed Unrestricted Use SCO.
PCBs - Polychlorinated biphenyls.
(a) - Value for chromium (VI) used.
[1] - New York State Department of Environmental Conservation Soil Cleanup Objectives (SCOs).

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

Sample Location:			BLF-SE-112				BLF-SE-113				BLF-SE-114				BLF-SE-115				BLF-SE-116			
Laboratory Sample Identification:			480-186018-1		480-186018-2		480-186018-3		480-186018-4		480-186018-5		480-186018-6		480-186018-7		480-186018-8		480-186084-1		480-186084-2	
Sample Depth (ft bss):			0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0	
Sample Date:			6/14/2021				6/14/2021				6/14/2021				6/14/2021				6/15/2021			
Analyte	**Units**	**Guidance Value[1]**	**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**	
PFAS																						
Perfluorobutanoic acid (PFBA)	ng/kg	NS	**420**	**J**	600	U	**1,400**	**J**	2,700	U	**980**	**J**	1,800	U	**1,100**	**J**	2,900	U	**920**	**J**	**1,100**	**J**
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	**130**	**J**	240	U	**750**	**J**	1,100	U	**170**	**J**	**160**	**J**	**310**	**J**	1,200	U	**140**	**J**	1,400	U
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	**150**	**J**	240	U	**450**	**JI**	**440**	**JI**	**330**	**JI**	**150**	**JI**	**630**	**JI**	**420**	**JI**	**410**	**J**	**930**	**J**
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	**54**	**J**	240	U	1,100	U	1,100	U	**120**	**JI**	730	U	**130**	**J**	1,200	U	**200**	**J**	**210**	**J**
Perfluorooctanoic acid (PFOA)	ng/kg	70	**120**	**J**	240	U	**190**	**J**	**750**	**J**	**250**	**J**	**390**	**JI**	**520**	**J**	**470**	**J**	**930**		**1,200**	**J**
Perfluorononanoic acid (PFNA)	ng/kg	NS	**61**	**J**	240	U	**110**	**J**	1,100	U	810	U	730	U	**130**	**J**	1,200	U	**180**	**J**	**160**	**J**
Perfluorodecanoic acid (PFDA)	ng/kg	NS	**56**	**J**	240	U	**75**	**J**	1,100	U	**90**	**J**	730	U	**130**	**JI**	1,200	U	**200**	**J**	**150**	**J**
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	**72**	**J**	240	U	**230**	**J**	1,100	U	**390**	**J**	730	U	**440**	**J**	1,200	U	**480**	**J**	**150**	**J**
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	**49**	**J**	240	U	1,100	U	1,100	U	**140**	**J**	730	U	**160**	**J**	1,200	U	**180**	**J**	1,400	U
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	**53**	**J**	240	U	1,100	U	1,100	U	**130**	**J**	730	U	**130**	**J**	1,200	U	**190**	**J**	1,400	U
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	**46**	**J**	240	U	1,100	U	1,100	U	810	U	730	U	**140**	**J**	1,200	U	**89**	**J**	1,400	U
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**48**	**JB**	**13**	**JB**	**62**	**JB**	**71**	**JB**	810	U	730	U	1,100	U	**59**	**JB**	**74**	**JB**	**88**	**JB**
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	**89**	**JI**	**20**	**J**	**280**	**JI**	**360**	**J**	**290**	**J**	**380**	**J**	**640**	**J**	**920**	**J**	**500**	**J**	**1,100**	**J**
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	**89**	**JI**	240	U	**270**	**JI**	**98**	**JI**	**810**		**1,000**		**2,100**		**2,700**		**2,400**		**4,700**	
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**5,800**	**I**	**790**		**28,000**	**I**	**6,400**	**I**	**400,000**		**420,000**		**880,000**		**760,000**		**690,000**		**1,300,000**	
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	**32**	**JI**	240	U	1,100	U	1,100	U	**67**	**JI**	730	U	**370**	**J**	1,200	U	**120**	**J**	1,400	U
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	**39**	**J**	240	U	**130**	**J**	1,100	U	**90**	**J**	730	U	1,100	U	1,200	U	720	U	1,400	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	**86**	**J**	2,400	U	11,000	U	11,000	U	8,100	U	7,300	U	11,000	U	12,000	U	7,200	U	14,000	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	3,000	U	2,400	U	**550**	**J**	11,000	U	**300**	**J**	7,300	U	11,000	U	12,000	U	7,200	U	14,000	U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	3,000	U	2,400	U	11,000	U	11,000	U	8,100	U	7,300	U	11,000	U	12,000	U	7,200	U	14,000	U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	**42**	**J**	**19**	**J**	11,000	U	11,000	U	8,100	U	7,300	U	11,000	U	12,000	U	7,200	U	14,000	U
PFOA + PFOS	ng/kg	70	**5,920**	**JI**	**790**		**28,190**	**JI**	**7,150**	**JI**	**400,250**	**J**	**420,390**	**JI**	**880,520**	**J**	**760,470**	**J**	**690,930**		**1,301,200**	**J**
1,4-Dioxane	mg/kg	0.1	0.15	U	0.12	U	0.57	U	0.55	U	2.2	U	0.38	U	0.57	U	0.6	U	0.36	U	0.68	U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
G - The reported quantitation limit was raised due to an exhibited elevated noise or matirx interference.
I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

Sample Location:			BLF-SE-117		BLF-SE-118		BLF-SE-119		BLF-SE-120		BLF-SE-121	
Laboratory Sample Identification:			480-186084-5	480-186084-6	480-186084-3	480-186084-4	480-186084-7	480-186084-8	480-186084-11	480-186084-12	480-186179-3	480-186179-4
Sample Depth (ft bss):			0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:			6/15/2021		6/15/2021		6/15/2021		6/15/2021		6/16/2021	
Analyte	**Units**	**Guidance Value[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFAS												
Perfluorobutanoic acid (PFBA)	ng/kg	NS	**380 J**	730 U	**920 J**	3,300 U	**270 J**	560 U	**260 J**	**230 J**	**2,000 J**	4,300 U
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	440 U	290 U	**210 J**	1,300 U	320 U	220 U	300 U	**51 J**	1,700 U	1,700 U
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	**300 J**	**44 J**	**290 J**	**1,100 JI**	**99 J**	220 U	260 GU	**37 J**	730 GU	**660 J**
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	**62 J**	290 U	**230 J**	**240 J**	**58 J**	220 U	**32 J**	**26 J**	1,700 U	1,700 U
Perfluorooctanoic acid (PFOA)	ng/kg	70	**260 J**	**40 J**	**620**	**1,100 JI**	**230 J**	**43 J**	**150 J**	**360**	**350 J**	**890 J**
Perfluorononanoic acid (PFNA)	ng/kg	NS	**64 J**	290 U	**340 J**	**250 J**	**81 J**	220 U	**53 J**	250 U	1,700 U	**230 J**
Perfluorodecanoic acid (PFDA)	ng/kg	NS	440 U	290 U	**210 J**	1,300 U	**28 J**	220 U	**49 J**	250 U	1,700 U	1,700 U
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	440 U	290 U	**330 J**	1,300 U	**45 J**	220 U	**79 J**	250 U	**190 J**	1,700 U
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	440 U	290 U	**97 J**	1,300 U	320 U	220 U	**37 J**	250 U	1,700 U	1,700 U
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	440 U	290 U	**110 J**	1,300 U	**24 J**	220 U	**41 J**	250 U	**190 J**	1,700 U
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	440 U	290 U	620 U	1,300 U	320 U	220 U	300 U	250 U	1,700 U	1,700 U
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**20 JB**	290 U	**49 JB**	**83 JIB**	**16 JIB**	220 U	**24 JB**	**12 JB**	**110 JI**	1,700 U
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	**41 JI**	290 U	**450 J**	**710 JI**	**31 JI**	220 U	**32 J**	**22 J**	**420 JB**	**500 JIB**
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	440 U	290 U	**650**	**700 JI**	320 U	220 U	300 U	250 U	**150 JI**	**210 JI**
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**360 JI**	**77 JI**	**43,000 I**	**34,000 I**	**340 I**	**37 JI**	**690 I**	**170 JI**	**6,100 I**	**5,700 I**
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	440 U	290 U	0.62 U	1,300 U	320 U	220 U	300 U	250 U	1,700 U	1,700 U
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	440 U	290 U	0.62 U	1,300 U	320 U	220 U	300 U	250 U	1,700 U	1,700 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	4,400 U	2,900 U	6,200 U	13,000 U	3,200 U	2,200 U	3,000 U	2,500 U	17,000 U	17,000 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	4,400 U	2,900 U	6,200 U	13,000 U	3,200 U	2,200 U	3,000 U	2,500 U	17,000 U	17,000 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	4,400 U	2,900 U	6,200 U	13,000 U	3,200 U	2,200 U	3,000 U	2,500 U	17,000 U	17,000 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	4,400 U	2,900 U	6,200 U	13,000 U	3,200 U	2,200 U	3,000 U	2,500 U	17,000 U	17,000 U
PFOA + PFOS	ng/kg	70	**620 JI**	**117 JI**	**43,620 I**	**35,100 JI**	**570 JI**	**80 JI**	**840 JI**	**530 JI**	**6,450 JI**	**6,590 JI**
1,4-Dioxane	mg/kg	0.1	0.24 U	0.15 U	0.32 U	0.65 U	0.18 U	0.12 U	0.15 U	0.14 U	0.87 U	5.1 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
G - The reported quantitation limit was raised due to an exhibited elevated noise or matirx interference.
I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

Sample Location:			BLF-SE-122		BLF-SE-123		BLF-SE-124		BLF-SE-125		BLF-SE-126	
Laboratory Sample Identification:			480-186179-5	480-186179-6	480-186179-7	480-186179-8	480-186084-9	480-186084-10	480-186084-13	480-186084-14	480-186179-1	480-186179-2
Sample Depth (ft bss):			0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:			6/16/2021		6/16/2021		6/15/2021		6/15/2021		6/16/2021	
Analyte	**Units**	**Guidance Value[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFAS												
Perfluorobutanoic acid (PFBA)	ng/kg	NS	1,800 U	640 U	720 U	650 U	**260 J**	**260 J**	**1,600 J**	3,600 U	**570 J**	1,500 U
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	720 U	260 U	290 U	260 U	**57 J**	**75 J**	1,600 U	1,500 U	700 U	600 U
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	**310 J**	260 U	**61 J**	260 U	**96 J**	**94 J**	740 GU	930 GU	**340 JI**	**170 J**
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	**120 J**	260 U	290 U	260 U	**51 J**	**100 J**	**200 J**	1,500 U	**140 J**	**71 J**
Perfluorooctanoic acid (PFOA)	ng/kg	70	**1,000**	**85 JI**	290 U	260 U	**170 J**	**430**	**530 J**	**650 J**	**570 J**	**330 J**
Perfluorononanoic acid (PFNA)	ng/kg	NS	**270 J**	260 U	290 U	260 U	**110 J**	**170 J**	**530 J**	**190 J**	**480 J**	**180 J**
Perfluorodecanoic acid (PFDA)	ng/kg	NS	**94 J**	260 U	290 U	260 U	**74 J**	**54 J**	**260 J**	1,500 U	**320 J**	**87 J**
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	**93 J**	260 U	290 U	260 U	**120 J**	**55 J**	**500 J**	1,500 U	**420 J**	600 U
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	720 U	260 U	290 U	260 U	**29 J**	**48 J**	**180 J**	1,500 U	700 U	600 U
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	720 U	260 U	290 U	260 U	**44 J**	**43 J**	**260 J**	1,500 U	700 U	600 U
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	720 U	260 U	290 U	260 U	240 U	**42 J**	1,600 U	1,500 U	700 U	600 U
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**39 J**	260 U	290 U	260 U	**23 JB**	**55 JB**	**93 JB**	**77 JIB**	**83 J**	**40 J**
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	**340 JB**	**22 JIB**	290 U	260 U	**29 JI**	**50 J**	**140 J**	1,500 U	**99 JIB**	**64 JIB**
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	**80 JI**	260 U	290 U	260 U	240 U	**38 J**	1,600 U	1,500 U	700 U	600 U
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**3,500 I**	**74 JI**	**44 JI**	260 U	**510 I**	**520 I**	**1,700 I**	**430 JI**	**1,200 I**	**290 JI**
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	720 U	260 U	290 U	260 U	240 U	**31 J**	1,600 U	1,500 U	700 U	600 U
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	720 U	260 U	290 U	260 U	240 U	**31 J**	1,600 U	1,500 U	700 U	600 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	7,200 U	2,600 U	2,900 U	2,600 U	2,400 U	**47 J**	16,000 U	15,000 U	7,000 U	6,000 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	7,200 U	2,600 U	2,900 U	2,600 U	2,400 U	2,400 U	16,000 U	15,000 U	7,000 U	6,000 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	7,200 U	2,600 U	2,900 U	2,600 U	2,400 U	2,400 U	16,000 U	15,000 U	7,000 U	6,000 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	7,200 U	2,600 U	2,900 U	2,600 U	2,400 U	**32 J**	16,000 U	15,000 U	7,000 U	6,000 U
PFOA + PFOS	ng/kg	70	**4,500 I**	**159 JI**	**44 JI**	260 U	**680 JI**	**950 JI**	**2,230 JI**	**1,080 JI**	**1,770 JI**	**620 JI**
1,4-Dioxane	mg/kg	0.1	0.36 U	0.13 U	0.15 U	0.13 U	0.13 U	0.12 U	0.81 U	0.74 U	0.35 U	0.3 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
G - The reported quantitation limit was raised due to an exhibited elevated noise or matirx interference.
I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

Sample Location:			BLF-SE-127				BLF-SE-128				BLF-SE-129				BLF-SE-130				BLF-SE-131			
Laboratory Sample Identification:			480-186179-9		480-186179-10		480-186179-11		480-186179-12		480-186179-13		480-186179-14		480-186179-15		480-186179-16		480-186216-1		480-186216-2	
Sample Depth (ft bss):			0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0	
Sample Date:			6/16/2021				6/16/2021				6/16/2021				6/16/2021				6/17/2021			
Analyte	**Units**	**Guidance Value[1]**	**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**		**Result**	
PFAS																						
Perfluorobutanoic acid (PFBA)	ng/kg	NS	**730**	**J**	1,300	U	1,200	U	1,100	U	2,700	U	2,400	U	**1,300**	**J**	2,700	U	680	U	620	U
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	910	U	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	**370**	**JI**	**100**	**J**	**180**	**JI**	**110**	**J**	**380**	**JI**	**250**	**J**	**430**	**JI**	**280**	**JI**	270	U	250	U
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	910	U	540	U	**73**	**J**	**52**	**J**	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorooctanoic acid (PFOA)	ng/kg	70	**210**	**J**	**100**	**J**	**250**	**J**	**180**	**J**	**160**	**JI**	**150**	**JI**	1,300	U	1,100	U	270	U	250	U
Perfluorononanoic acid (PFNA)	ng/kg	NS	**180**	**J**	**58**	**J**	**190**	**J**	**120**	**J**	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorodecanoic acid (PFDA)	ng/kg	NS	**180**	**J**	**35**	**J**	**110**	**J**	**34**	**J**	1,100	U	950	U	**110**	**JI**	1,100	U	270	U	250	U
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	**390**	**J**	540	U	**140**	**J**	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	**150**	**J**	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	**180**	**J**	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	**120**	**J**	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**54**	**JI**	540	U	**24**	**J**	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	**15**	**JB**
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	**77**	**JIB**	**40**	**JIB**	**51**	**JIB**	420	U	**92**	**JIB**	**72**	**JIB**	**130**	**JIB**	**86**	**JIB**	270	U	250	U
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	910	U	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**1,600**	**I**	**150**	**JI**	**1,100**	**I**	**460**	**I**	**220**	**JI**	**120**	**JI**	**600**	**JI**	**190**	**JI**	270	U	**24**	**JIB**
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	910	U	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	910	U	540	U	460	U	420	U	1,100	U	950	U	1,300	U	1,100	U	270	U	250	U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	9,100	U	5,400	U	4,600	U	4,200	U	11,000	U	9,500	U	13,000	U	11,000	U	2,700	U	2,500	U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	9,100	U	5,400	U	4,600	U	4,200	U	11,000	U	9,500	U	13,000	U	11,000	U	2,700	U	2,500	U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	9,100	U	5,400	U	4,600	U	4,200	U	11,000	U	9,500	U	13,000	U	11,000	U	2,700	U	2,500	U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	9,100	U	5,400	U	4,600	U	4,200	U	11,000	U	9,500	U	13,000	U	11,000	U	2,700	U	2,500	U
PFOA + PFOS	ng/kg	70	**1,810**	**JI**	**250**	**JI**	**1,350**	**JI**	**640**	**JI**	**380**	**JI**	**270**	**JI**	**600**	**JI**	**190**	**JI**	270	U	**24**	**JIB**
1,4-Dioxane	mg/kg	0.1	0.46	U	0.27	U	0.23	U	0.21	U	0.53	U	0.48	U	0.68	U	0.55	U	0.14	U	0.13	U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
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I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

Sample Location:			BLF-SE-132		BLF-SE-133		BLF-SE-134		BLF-SE-135		BLF-SE-136	
Laboratory Sample Identification:			480-186216-3	480-186216-4	480-186216-5	480-186216-6	480-186216-7	480-186216-8	480-186216-9	480-186216-10	480-186216-11	480-186216-12
Sample Depth (ft bss):			0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0	0.0 - 0.5	0.5 - 1.0
Sample Date:			6/17/2021		6/17/2021		6/17/2021		6/17/2021		6/17/2021	
Analyte	**Units**	**Guidance Value[1]**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFAS												
Perfluorobutanoic acid (PFBA)	ng/kg	NS	**1,600 J**	930 U	980 U	1,100 U	1,400 U	1,000 U	**1,100 J**	**400 J**	760 U	1,200 U
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	**340 J**	370 U	390 U	430 U	540 U	400 U	1,000 U	450 U	310 U	500 U
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	1,100 GU	**46 JIB**	**77 JB**	**97 JB**	**98 JB**	**110 JB**	1,000 U	450 U	310 U	**83 JIB**
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	**170 J**	370 U	**39 J**	**45 J**	**67 J**	**49 J**	1,000 U	450 U	310 U	500 U
Perfluorooctanoic acid (PFOA)	ng/kg	70	**340 J**	370 U	**120 J**	**210 J**	**230 J**	**280 J**	1,000 U	**60 J**	**59 J**	**160 J**
Perfluorononanoic acid (PFNA)	ng/kg	NS	**300 J**	370 U	**110 J**	**45 J**	**140 J**	**84 J**	**110 J**	**41 J**	**39 J**	**110 J**
Perfluorodecanoic acid (PFDA)	ng/kg	NS	**370 JB**	370 U	**89 JB**	**31 JB**	**180 JIB**	**29 JB**	**240 JIB**	**28 JB**	310 U	**48 JB**
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	**420 JB**	370 U	**150 JB**	430 U	**130 JB**	400 U	**460 JB**	450 U	310 U	500 U
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	**270 JB**	370 U	**44 JB**	430 U	**97 JB**	400 U	**210 JB**	450 U	310 U	500 U
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	**270 JB**	370 U	**46 JB**	430 U	**100 JB**	400 U	**260 JB**	450 U	310 U	500 U
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	**210 J**	370 U	390 U	430 U	**72 J**	400 U	**120 J**	450 U	310 U	500 U
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**180 JB**	**24 JIB**	**36 JB**	**24 JB**	**50 JB**	**29 JB**	**54 JB**	**22 JB**	310 U	**25 JB**
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	**330 JB**	**27 JIB**	**42 JIB**	430 U	**70 JB**	**36 JIB**	**95 JB**	**35 JIB**	**21 JIB**	**39 JIB**
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	**160 JI**	370 U	390 U	430 U	540 U	400 U	1,000 U	450 U	310 U	500 U
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**1,400 JIB**	**51 JIB**	**430 IB**	**100 JIB**	**400 JIB**	**120 JIB**	**690 JIB**	**230 JIB**	**72 JIB**	**270 JIB**
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	**91 JB**	370 U	390 U	430 U	540 U	400 U	1,000 U	450 U	310 U	500 U
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	**120 JB**	370 U	390 U	430 U	540 U	400 U	1,000 U	450 U	310 U	500 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	**380**	3,700 U	3,900 U	4,300 U	5,400 U	4,000 U	10,000 U	4,500 U	3,100 U	5,000 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	15,000 U	3,700 U	3,900 U	4,300 U	5,400 U	4,000 U	10,000 U	4,500 U	3,100 U	5,000 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	15,000 U	3,700 U	3,900 U	4,300 U	5,400 U	4,000 U	10,000 U	**88 J**	3,100 U	5,000 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	**200 J**	3,700 U	3,900 U	4,300 U	5,400 U	4,000 U	10,000 U	**39 J**	3,100 U	5,000 U
PFOA + PFOS	ng/kg	70	**1,740 J**	**51 JIB**	**550 JIB**	**310 JIB**	**630 JIB**	**400 JIB**	**690 JIB**	**290 JIB**	**131 JIB**	**430 JIB**
1,4-Dioxane	mg/kg	0.1	0.74 U	0.019 U	0.22 U	0.23 U	0.32 U	0.22 U	0.54 U	0.25 U	0.17 U	0.25 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
G - The reported quantitation limit was raised due to an exhibited elevated noise or matirx interference.
I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Table 2D
New York State Department of Environmental Conservation
Brillo Landfill - Site No. 706013
Victory, New York 14584
Summary of Results of Analysis of Sediment for Per- and Polyfluoroalkyl Substances and 1,4-Dioxane

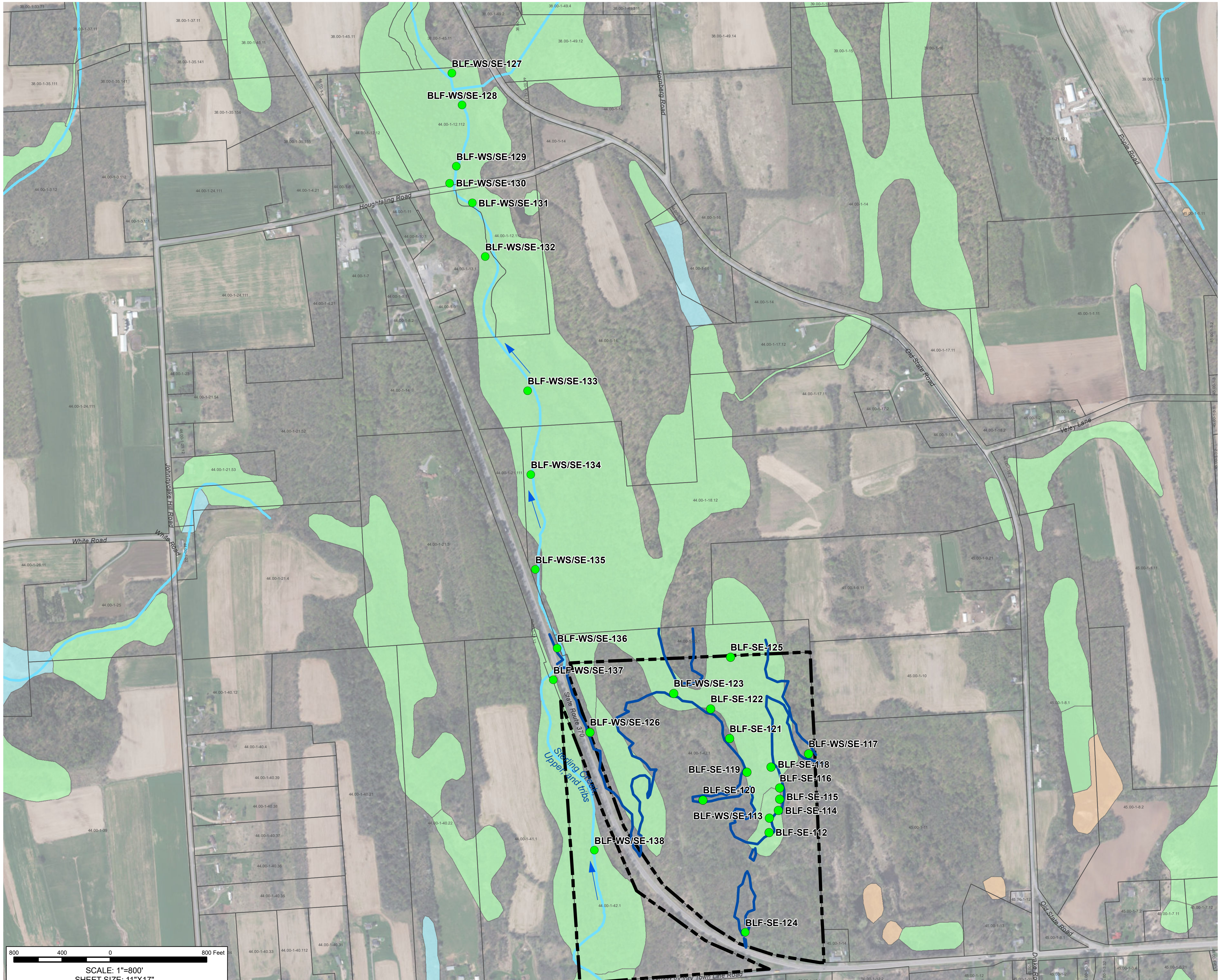
		Sample Location:	BLF-SE-137				BLF-SE-138					
		Laboratory Sample Identification:	480-186274-1		480-186274-2		480-186274-3		480-186274-4			
		Sample Depth (ft bss):	0.0 - 0.5		0.5 - 1.0		0.0 - 0.5		0.5 - 1.0			
		Sample Date:	6/18/2021				6/18/2021					
Analyte	**Units**	**Guidance Value[1]**	**Result**		**Result**		**Result**		**Result**			
PFAS												
Perfluorobutanoic acid (PFBA)	ng/kg	NS	1,700	U	1,200	U	**1,100**	**J**	690	U		
Perfluoropentanoic acid (PFPeA)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorohexanoic acid (PFHxA)	ng/kg	NS	**170**	**JI**	71	GU	630	GU	280	U		
Perfluoroheptanoic acid (PFHpA)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorooctanoic acid (PFOA)	ng/kg	70	**100**	**J**	470	U	**520**	**JI**	**90**	**JI**		
Perfluorononanoic acid (PFNA)	ng/kg	NS	670	U	470	U	**130**	**J**	280	U		
Perfluorodecanoic acid (PFDA)	ng/kg	NS	**40**	**J**	470	U	1,300	U	280	U		
Perfluoroundecanoic acid (PFUnA)	ng/kg	NS	670	U	470	U	**220**	**J**	280	U		
Perfluorododecanoic acid (PFDoA)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorotridecanoic acid (PFTriA)	ng/kg	NS	670	U	470	U	**220**	**J**	280	U		
Perfluorotetradecanoic acid (PFTeA)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorobutanesulfonic acid (PFBS)	ng/kg	NS	**33**	**JB**	470	U	**73**	**JIB**	280	U		
Perfluorohexanesulfonic acid (PFHxS)	ng/kg	NS	670	U	470	U	**130**	**JI**	280	U		
Perfluoroheptanesulfonic acid (PFHpS)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorooctanesulfonic acid (PFOS)	ng/kg	70	**170**	**JI**	**74**	**JI**	**730**	**JI**	**40**	**JI**		
Perfluorodecanesulfonic acid (PFDS)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
Perfluorooctane Sulfonamide (PFOSA)	ng/kg	NS	670	U	470	U	1,300	U	280	U		
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/kg	NS	6,700	U	4,700	U	13,000	U	2,800	U		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/kg	NS	6,700	U	4,700	U	13,000	U	2,800	U		
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/kg	NS	6,700	U	4,700	U	13,000	U	2,800	U		
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/kg	NS	6,700	U	4,700	U	13,000	U	2,800	U		
PFOA + PFOS	ng/kg	70	**270**	**JI**	**74**	**JI**	**1,250**	**JI**	**130**	**JI**		
1,4-Dioxane	mg/kg	0.1	0.36	U	0.26	U	0.67	U	0.14	U		

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ft bss - feet below sediment surface.
B - Compound was found in the blank and sample.
G - The reported quantitation limit was raised due to an exhibited elevated noise or matirx interference.
I - Value is estimated maximum possible concentration.
J - Estimated value.
NS - No NYSDEC standards exist for this analyte.
PFAS - Per- and Poly-fluoroalkyl Substances.
U - Analyte was not detected at specified quantitation limit.
Values in **bold** indicate the analyte was detected.
[1] - NYSDEC Guidelines for Sampling and Analysis of PFAS.
Shading indicates result above the listed Value.

Figures

TRC - GIS



KEYMAP
SCALE:1"=150 MILES

LEGEND (SYMBOLS NOT TO SCALE)

Symbol	Description
BLF-WS/SE-XXX	SURFACE WATER / SEDIMENT SAMPLE LOCATION AND IDENTIFICATION NUMBER
	DELINEATED WETLAND BOUNDARY
	SITE PROPERTY BOUNDARY
	PARCEL BOUNDARY
	STREAM/CREEK/TRIBUTARY
	FRESHWATER EMERGENT WETLAND
	FRESHWATER FORESTED/SHRUB WETLAND
	FRESHWATER POND
	FLOW DIRECTION

NOTES

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. BASE MAP IMAGERY SOURCED FROM WORLD IMAGERY, ARCGIS LAYER, ESRI.
3. SURFACE WATER AND WETLAND LIMITS BASED ON FEDERAL & STATE WETLANDS WITHIN CAYUGA COUNTY, NY PER USFWS & NYSDEC, NYS GIS CLEARINGHOUSE STREAMS GIS DATA.
4. PARCEL BOUNDARIES FROM BY NYS GIS CLEARINGHOUSE.
5. DELINEATED WETLAND BOUNDARY FROM WESTON SOLUTIONS, INC.

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BRILLO LANDFILL - SITE NO. 706013
VICTORY, NY 14584

TITLE:
SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY	FIGURE 1	
DATE:	SEPTEMBER 2021		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_1 r1.mxd

Plot Date: 9/8/2021, 09:19:20 AM by MGIAMBATTISTA -- LAYOUT: ANSI B(11"x17")
Path: M:\Drafting Files\ArcGIS Files\Brillo\Wetland Map_1 r1.mxd
Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Map Rotation: 0

Appendix A
Daily Field Activity Reports

DAILY FIELD ACTIVITY REPORT

Report Number: D009812-08-01 TRC Project Number: 394401.0000.0000

Date: June 14, 2021

Project: NYSDEC WA D009812-08, Brillo Landfill, Site No. 706013

Address: Townline Road, Victory, NY

Weather: (AM) Partly cloudy Rainfall: (AM) 0.00 Inches

(PM) Mostly cloudy with a rain shower (PM) 0.07 Inches

Temperature: (AM) 70s ºF Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) West

(PM) 70s ºF (PM) 5-7 MPH (PM) West

Site Area Condition: Site ground surface was dry.

Personnel On-Site			
Name	**Affiliation**	**Arrival Time**	**Departure Time**
Nick Gier	TRC Engineers, Inc.	8:30	17:30
Steve Johansson	TRC Engineers, Inc.	7:00	17:30
Harry Fuller	TRC Engineers, Inc.	9:00	17:00

Work Performed:

1. TRC mobilized to the Site to commence supplemental sediment and surface water sampling.
2. TRC personnel conducted a tailgate safety and scope of work meeting to begin the day.
3. TRC inspected all hand tools to be used throughout the day.
4. One Equipment Blank sample was collected from non-dedicated field sampling equipment, to be analyzed for parameters listed in Item #7 below.
5. Using a hand auger, TRC collected eight (8) sediment samples from four (4) proposed sampling locations. Additionally, one (1) co-located surface water sample was collected from one (1) location. A summary of sediment and surface water samples collected on June 14, 2021 are as follows (see **Figure 1**):

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-SED-112	0.0 – 0.5 0.5 – 1.0	
BLF-SED-113	0.0 – 0.5 0.5 – 1.0	Performed MS/MSD and duplicate
BLF-WS-113	N/A	Performed MS/MSD and duplicate
BLF-SED-114	0.0 – 0.5 0.5 – 1.0	
BLF-SED-115	0.0 – 0.5 0.5 – 1.0	

DAILY FIELD ACTIVITY REPORT

6. All sediment samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL VOCs + 10 TICs, TCL SVOCs+20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, total organic carbon (TOC). Additionally, one sample from each depth interval was collected for grain size analysis.
7. All surface water samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL SVOCs + 10 TICs, TCL SVOCs + 20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, and hardness.
8. All sampling equipment was decontaminated between each sample location and each sampling interval.
9. Supplemental sediment and surface water sample collection will continue on Tuesday, June 14, 2021.

Equipment, Tools, Materials and Supplies Used:

1. Hand tools (shovels, tape measure, hand trowel, etc.)
2. Hand auger
3. 5-gallon buckets
4. Spray bottles (1 DI water [PFAS-free], 1 DI water [PFAS-free] & Alconox)

Health and Safety:

(if any questions are answered "Yes", explain the result, deviation, corrective action, etc.)

1. Were there any work zone air monitoring action level exceedances? ☐ Yes ☒No
2. Were there any perimeter air monitoring action level exceedances? ☐ Yes ☒No
3. Were there any dust and/or odor issues? ☐ Yes ☒No

Explain:

Investigation Derived Waste (IDW):

(explain the type of waste generated, estimated quantity of each waste type, the number and type of containers used and any problems and corrective actions)

1. Was any IDW generated? ☐ Yes ☒No ☐N/A
   Type & Quantity of IDW (daily total only): N/A
2. Were all waste containers properly labeled and stored? ☐ Yes ☐No ☒N/A
3. Was any IDW removed from the site? ☐ Yes ☐No ☒N/A
4. Were all vehicles properly lined, tarped, placarded, decontaminated, etc.? ☐ Yes ☐No ☒N/A

Project Schedule:

1. 6/14/21 – 6/18/21: Supplemental Surface Water and Sediment Sampling Program

Issues/Items of Concern:

1. None at this time.

DAILY FIELD ACTIVITY REPORT

Prepared By:

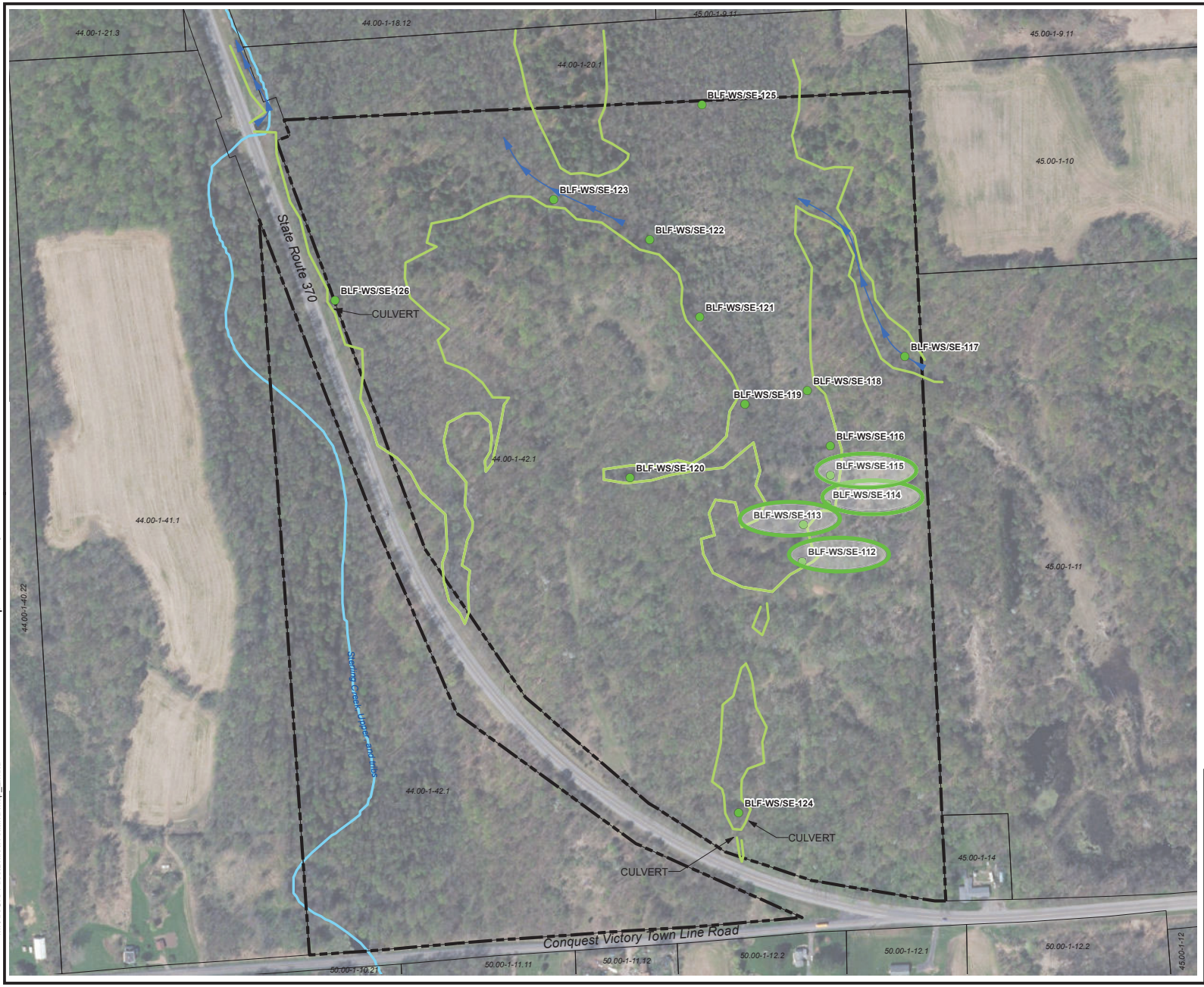
Nick Gier
Site Representative

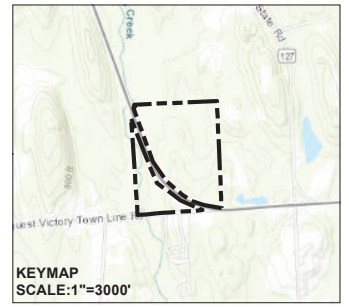
Reviewed By:

Ryan S. Jorrey, P.G.
Senior Project Manager

Attachments:

1. Figure 1 – Proposed Supplemental Soil Sampling Plan





LEGEND (SYMBOLS NOT TO SCALE)

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- PROPOSED ON-SITE SURFACE WATER & SEDIMENT SAMPLE
- ASSUMED DIRECTION OF FLOW
- CHANNELIZED WATER FLOW
- DELINEATED WETLAND BOUNDARY
- STREAM/CREEK/TRIBUTARY
- SUPPLEMENTAL SURFACE WATER AND/OR SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 14, 2021.

NOTES

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. BASE MAP IMAGERY SOURCED FROM WORLD IMAGERY, ARCGIS LAYER, ESRI.
3. SURFACE WATER LIMITS BASED ON FEDERAL & STATE WETLANDS WITHIN CAYUGA COUNTY, NY PER USFWS & NYSDEC, NYS GIS CLEARINGHOUSE STREAMS GIS DATA.
4. DELINEATED WETLAND BOUNDARY FROM WESTON SOLUTIONS, INC.
5. OFF-SITE SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS TO BE DETERMINED.

300 150 0 300 Feet

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BRILLO LANDFILL - SITE NO. 706013
VICTORY, NY 14584

TITLE:
PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	MAY 2021		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_2.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Map Rotation: 0
Plot Date: 5/28/2021, 14:30:35 PM by JNICHOLS -- LAYOUT: ANSI B(11"x17")
Path: M:\ArcGIS Files\Brillo\Wetland Map_2.mxd

DAILY FIELD ACTIVITY REPORT

Report Number: D009812-08-02 TRC Project Number: 394401.0000.0000

Date: June 15, 2021

Project: NYSDEC WA D009812-08, Brillo Landfill, Site No. 706013

Address: Townline Road, Victory, NY

Weather: (AM) Cloudy with occasional rain showers Rainfall: (AM) 0.12 Inches

(PM) Mostly cloudy (PM) 0.00 Inches

Temperature: (AM) 60s ºF Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) West

(PM) 60s ºF (PM) 5-10 MPH (PM) West

Site Area Condition: Site ground surface mostly dry.

Personnel On-Site			
Name	**Affiliation**	**Arrival Time**	**Departure Time**
Nick Gier	TRC Engineers, Inc.	8:00	17:00
Steve Johansson	TRC Engineers, Inc.	8:00	17:00
Harry Fuller	TRC Engineers, Inc.	8:00	17:00

Work Performed:

1. TRC mobilized to the Site to continue supplemental sediment and surface water sampling.
2. TRC personnel conducted a tailgate safety and scope of work meeting to begin the day. All hand tools to be used throughout the day were inspected prior to use.
3. One Equipment Blank sample was collected from non-dedicated field sampling equipment, to be analyzed for PFAS.
4. Using a hand auger, TRC collected fourteen (14) sediment samples from seven (7) proposed sampling locations. Additionally, one (1) co-located surface water sample was collected from one (1) location. A summary of sediment and surface water samples collected on June 15, 2021 are as follows (see **Figure 1**):

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-SED-116	0.0 – 0.5 0.5 – 1.0	
BLF-SED-118	0.0 – 0.5 0.5 – 1.0	
BLF-WS-117	N/A	
BLF-SED-117	0.0 – 0.5 0.5 – 1.0	
BLF-SED-119	0.0 – 0.5 0.5 – 1.0	
BLF-SED-124	0.0 – 0.5 0.5 – 1.0	Performed MS/MSD and duplicate

DAILY FIELD ACTIVITY REPORT

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-SED-120	0.0 – 0.5	
	0.5 – 1.0	
BLF-SED-125	0.0 – 0.5	
	0.5 – 1.0	

5. All sediment samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL VOCs + 10 TICs, TCL SVOCs+20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, total organic carbon (TOC). Additionally, one sample from each depth interval was collected for grain size analysis.
6. All surface water samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL SVOCs + 10 TICs, TCL SVOCs + 20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, and hardness.
7. All sampling equipment was decontaminated between each sample location and each sampling interval.
8. Supplemental sediment and surface water sample collection will continue on Wednesday, June 16, 2021.

Equipment, Tools, Materials and Supplies Used:

1. Hand tools (shovels, tape measure, hand trowel, etc.)
2. Hand auger
3. 5-gallon buckets
4. Spray bottles (1 DI water [PFAS-free], 1 DI water [PFAS-free] & Alconox)

Health and Safety:

(if any questions are answered "Yes", explain the result, deviation, corrective action, etc.)

1. Were there any work zone air monitoring action level exceedances? ☐ Yes ☒No
2. Were there any perimeter air monitoring action level exceedances? ☐ Yes ☒No
3. Were there any dust and/or odor issues? ☐ Yes ☒No

Explain:

Investigation Derived Waste (IDW):

(explain the type of waste generated, estimated quantity of each waste type, the number and type of containers used and any problems and corrective actions)

1. Was any IDW generated? ☐ Yes ☒No ☐N/A
   Type & Quantity of IDW (daily total only): N/A
2. Were all waste containers properly labeled and stored? ☐ Yes ☐No ☒N/A
3. Was any IDW removed from the site? ☐ Yes ☐No ☒N/A
4. Were all vehicles properly lined, tarped, placarded, decontaminated, etc.? ☐ Yes ☐No ☒N/A

Project Schedule:

1. 6/14/21 – 6/18/21: Supplemental Surface Water and Sediment Sampling Program

DAILY FIELD ACTIVITY REPORT

Issues/Items of Concern:

1. None at this time.

Prepared By:

Nick Gier
Site Representative

Reviewed By:

Ryan S. Jorrey, P.G.
Senior Project Manager

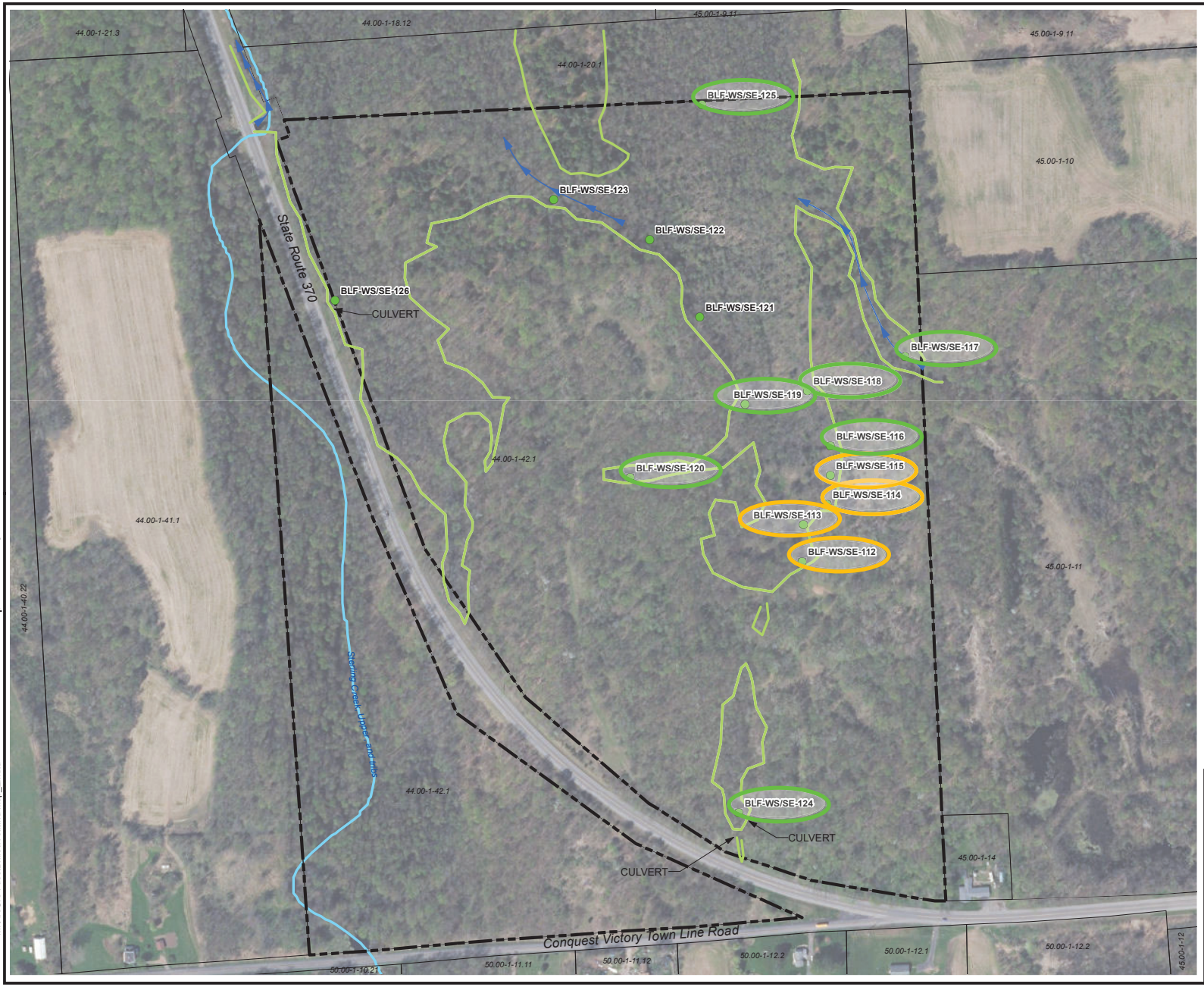
Attachments:

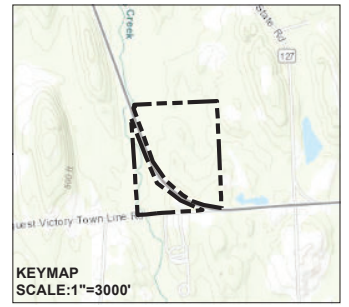
1. Photograph Log
2. Figure 1 – Proposed Supplemental Soil Sampling Plan

PHOTOGRAPH LOG

Photo 1	
Date: 6/15/2021	
Direction:	
Photographer: N.Gier	
Description: Photo of sediment sample collection via a hand auger at BLF-SED-119	

Photo 2	
Date: 6/15/2021	
Direction:	
Photographer: N. Gier	
Description: Photo of sediment sample collection via hand auger at BLF-SED-116	





LEGEND (SYMBOLS NOT TO SCALE)

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- PROPOSED ON-SITE SURFACE WATER & SEDIMENT SAMPLE
- ASSUMED DIRECTION OF FLOW
- CHANNELIZED WATER FLOW
- DELINEATED WETLAND BOUNDARY STREAM/
- CREEK/TRIBUTARY
- SUPPLEMENTAL SURFACE WATER AND/OR SEDIMENT SAMPLING LOCATIONS COMPLETED PRIOR TO JUNE 15, 2021.
- SUPPLEMENTAL SURFACE WATER AND/OR SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 15, 2021.

NOTES

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. BASE MAP IMAGERY SOURCED FROM WORLD IMAGERY, ARCGIS LAYER, ESRI.
3. SURFACE WATER LIMITS BASED ON FEDERAL & STATE WETLANDS WITHIN CAYUGA COUNTY, NY PER USFWS & NYSDEC, NYS GIS CLEARINGHOUSE STREAMS GIS DATA.
4. DELINEATED WETLAND BOUNDARY FROM WESTON SOLUTIONS, INC.
5. OFF-SITE SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS TO BE DETERMINED.

300 150 0 300 Feet

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BRILLO LANDFILL - SITE NO. 706013
VICTORY, NY 14584

TITLE:
PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	MAY 2021		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_2.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Map Rotation: 0
Plot Date: 5/28/2021, 14:30:35 PM by JNICHOLS -- LAYOUT: ANSI B(11"x17")
Path: M:\ArcGIS Files\Brillo\Wetland Map_2.mxd

DAILY FIELD ACTIVITY REPORT

Report Number: D009812-08-03 TRC Project Number: 394401.0000.0000

Date: June 16, 2021

Project: NYSDEC WA D009812-08, Brillo Landfill, Site No. 706013

Address: Townline Road, Victory, NY

Weather: (AM) Cloudy with occasional rain showers Rainfall: (AM) 0.12 Inches

(PM) Mostly cloudy (PM) 0.00 Inches

Temperature: (AM) 60s ºF Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) Var

(PM) 60s ºF (PM) 5-10 MPH (PM) West

Site Area Condition: On-site and off-site locations in heavily vegetated wetlands.

Personnel On-Site			
Name	**Affiliation**	**Arrival Time**	**Departure Time**
Nick Gier	TRC Engineers, Inc.	8:00	17:30
Steve Johansson	TRC Engineers, Inc.	8:00	17:30
Harry Fuller	TRC Engineers, Inc.	8:00	17:30

Work Performed:

1. TRC mobilized to the Site to commence supplemental sediment and surface water sampling.
2. TRC personnel conducted a tailgate safety and scope of work meeting to begin the day.
3. TRC inspected all hand tools to be used throughout the day.
4. One Equipment Blank sample was collected from non-dedicated field sampling equipment, to be analyzed for PFAS.
5. Using a hand auger, TRC collected eight (8) sediment samples from four (4) proposed on-site sampling locations. TRC also collected eight (8) sediment samples from four (4) sampling locations off-site. Additionally, two (2) on-site and four (4) off-site co-located surface water samples were as collected. Sediment sampling locations without a corresponding, co-located surface water sample did not have an adequate amount surface water present to collect a sample. A summary of co-located sediment and surface water samples collected on June 16, 2021 are as follows (see attached Figures):

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-WS-126	N/A	
BLF-SED-126	0.0 – 0.5	
	0.5 – 1.0	
BLF-SED-121	0.0 – 0.5	
	0.5 – 1.0	
BLF-SED-122	0.0 – 0.5	
	0.5 – 1.0	
BLF-WS-123	N/A	

DAILY FIELD ACTIVITY REPORT

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-SED-123	0.0 – 0.5 0.5 – 1.0	
BLF-WS-127	N/A	
BLF-SED-127	0.0 – 0.5 0.5 – 1.0	
BLF-WS-128	N/A	
BLF-SED-128	0.0 – 0.5 0.5 – 1.0	
BLF-WS-129	N/A	
BLF-SED-129	0.0 – 0.5 0.5 – 1.0	
BLF-WS-130	N/A	
BLF-SED-130	0.0 – 0.5 0.5 – 1.0	
BLF-SED-DUP3	N/A	

6. All sediment samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL VOCs + 10 TICs, TCL SVOCs+20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, total organic carbon (TOC). Additionally, one sample from each depth interval was collected for grain size analysis.
7. All surface water samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL SVOCs + 10 TICs, TCL SVOCs + 20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, and hardness.
8. All sampling equipment was decontaminated between each sample location and each sampling interval.
9. Supplemental sediment and surface water sample collection will continue on Thursday, June 17, 2021.

Equipment, Tools, Materials and Supplies Used:

1. Hand tools (shovels, tape measure, hand trowel, etc.)
2. Hand auger
3. 5-gallon buckets
4. Spray bottles (1 DI water [PFAS-free], 1 DI water [PFAS-free] & Alconox)

Health and Safety:

(if any questions are answered "Yes", explain the result, deviation, corrective action, etc.)

1. Were there any work zone air monitoring action level exceedances? ☐ Yes ☒No
2. Were there any perimeter air monitoring action level exceedances? ☐ Yes ☒No
3. Were there any dust and/or odor issues? ☐ Yes ☒No

Explain:

Investigation Derived Waste (IDW):

(explain the type of waste generated, estimated quantity of each waste type, the number and type of containers used and any problems and corrective actions)

DAILY FIELD ACTIVITY REPORT

1. Was any IDW generated? ☐ Yes ☒No ☐N/A
   Type & Quantity of IDW (daily total only): N/A
2. Were all waste containers properly labeled and stored? ☐ Yes ☐No ☒N/A
3. Was any IDW removed from the site? ☐ Yes ☐No ☒N/A
4. Were all vehicles properly lined, tarped, placarded, decontaminated, etc.? ☐ Yes ☐No ☒N/A

Project Schedule:

1. 6/14/21 – 6/18/21: Supplemental Surface Water and Sediment Sampling Program

Issues/Items of Concern:

1. None at this time.

Prepared By:

Nick Gier
Site Representative

Reviewed By:

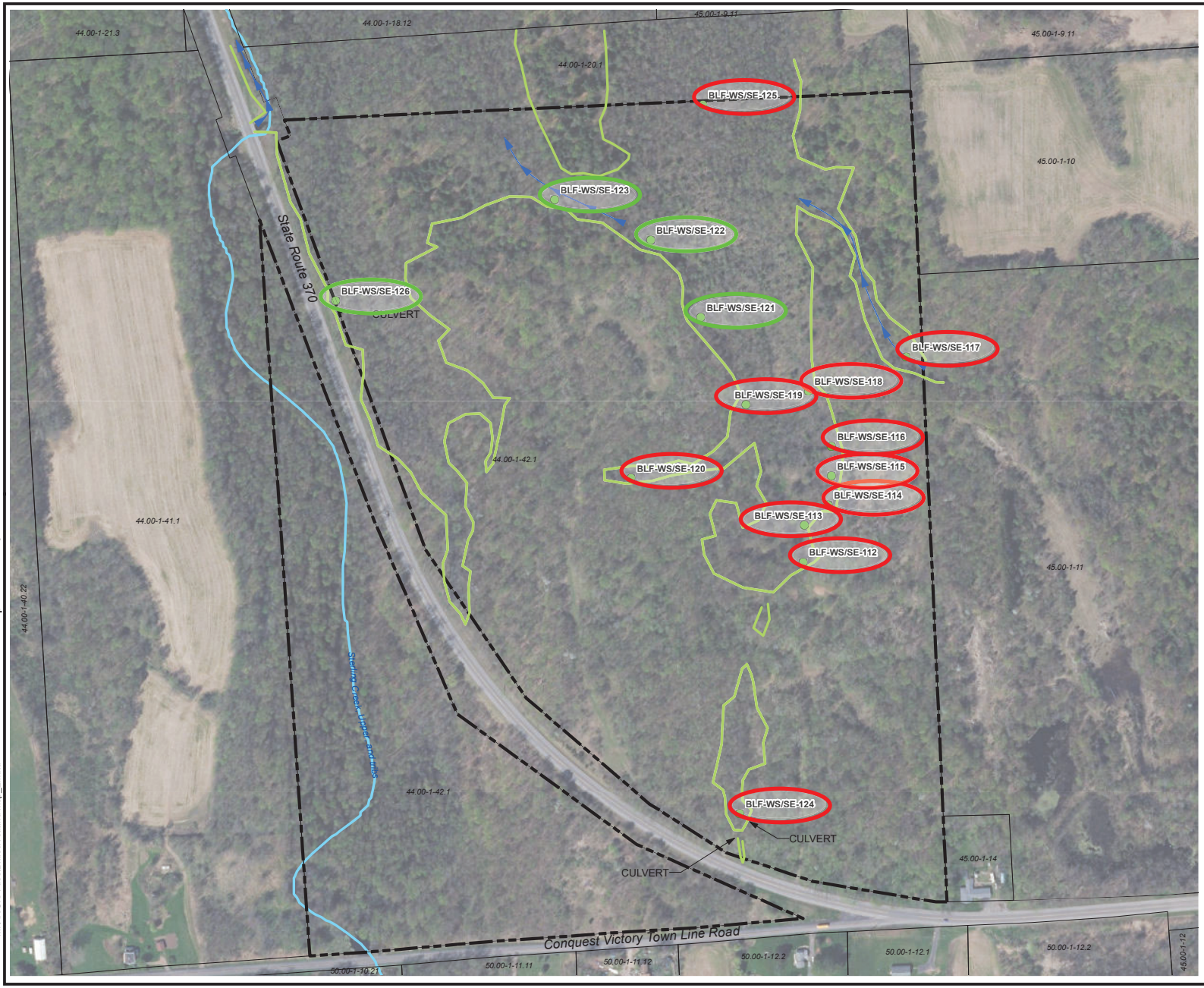
Ryan S. Jorrey, P.G.
Senior Project Manager

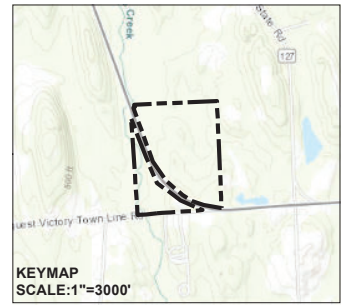
Attachments:

1. Photograph Log
2. Figures – Annotated Supplemental Soil Sampling Plans

PHOTOGRAPH LOG

Photo 1	
Date: 6/16/2021	
Direction:	
Photographer: N.Gier	
Description: Photo of sediment sample collection via a hand auger at BLF-SED-123	





LEGEND (SYMBOLS NOT TO SCALE)

- SITE PROPERTY BOUNDARY
- PARCEL BOUNDARY
- PROPOSED ON-SITE SURFACE WATER & SEDIMENT SAMPLE
- ASSUMED DIRECTION OF FLOW
- CHANNELIZED WATER FLOW
- DELINEATED WETLAND BOUNDARY STREAM/
- CREEK/TRIBUTARY
- SUPPLEMENTAL SURFACE WATER AND/OR SEDIMENT SAMPLING LOCATIONS COMPLETED PRIOR TO JUNE 16, 2021.
- SUPPLEMENTAL SURFACE WATER AND/OR SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 16, 2021.

NOTES

1. LOCATIONS AND DIMENSIONS OF PHYSICAL FEATURES AND BOUNDARIES ARE APPROXIMATE.
2. BASE MAP IMAGERY SOURCED FROM WORLD IMAGERY, ARCGIS LAYER, ESRI.
3. SURFACE WATER LIMITS BASED ON FEDERAL & STATE WETLANDS WITHIN CAYUGA COUNTY, NY PER USFWS & NYSDEC, NYS GIS CLEARINGHOUSE STREAMS GIS DATA.
4. DELINEATED WETLAND BOUNDARY FROM WESTON SOLUTIONS, INC.
5. OFF-SITE SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS TO BE DETERMINED.

300 150 0 300 Feet

PROJECT:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BRILLO LANDFILL - SITE NO. 706013
VICTORY, NY 14584

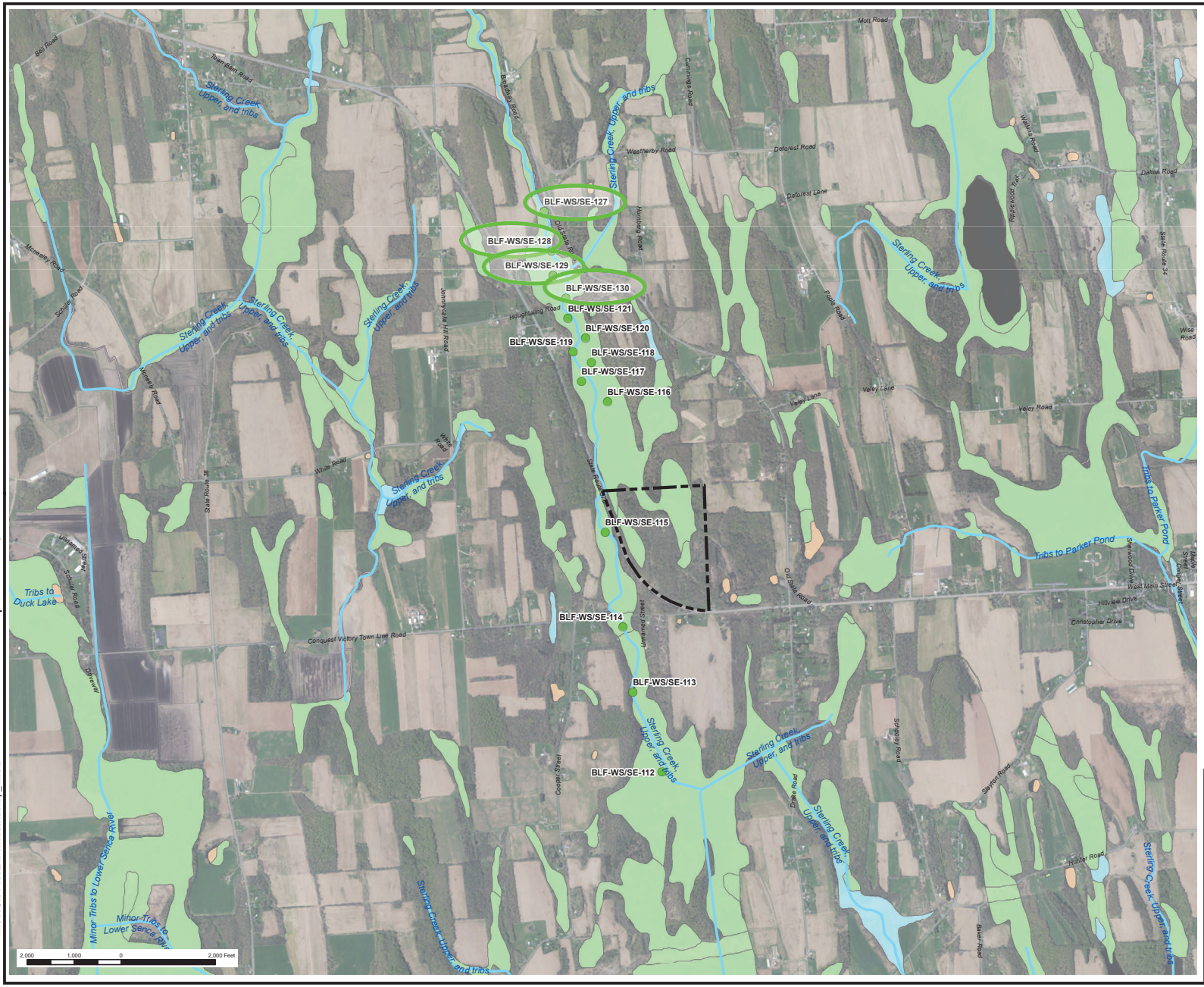
TITLE:
PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

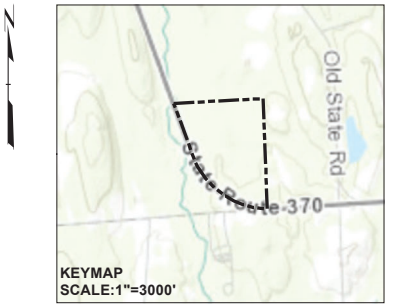
DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	MAY 2021		

TRC
10 Maxwell Drive, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_2.mxd

TRC - GIS
Coordinate System: NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Map Rotation: 0
Plot Date: 5/28/2021, 14:30:35 PM by JNICHOLS -- LAYOUT: ANSI B(11"x17")
Path: M:\ArcGIS Files\Brillo\Wetland Map_2.mxd





LEGEND

- PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT LOCATION
- APPROXIMATE SITE BOUNDARY
- STREAM
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND
- FRESHWATER POND
- RIVERINE
- SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 16, 2021

NOTES

THIS DATA SET REPRESENTS THE EXTENT, APPROXIMATE LOCATION AND TYPE OF WETLANDS AND DEEPWATER HABITATS IN THE UNITED STATES AND ITS TERRITORIES.
PROVIDED BY THE STATE OF NEW YORK.

PROJECT:
BRILLO LANDFILL
VICTORY, NEW YORK

TITLE:
PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

DRAFT

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	APRIL 2021		

TRC
10 Maxwell Place, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_1.mxd

TRC - GIS
Plot Date: 4/16/2021, 10:19:44 AM by MGIAMBATTISTA -- LAYOUT: ANSI B(11"x17") **Coordinate System:** NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Path: M:\ArcGIS Files\Brillo\Wetland Map_1.mxd **Map Rotation:** 0

DAILY FIELD ACTIVITY REPORT

Report Number: D009812-08-04 TRC Project Number: 394401.0000.0000

Date: June 17, 2021

Project: NYSDEC WA D009812-08, Brillo Landfill, Site No. 706013

Address: Townline Road, Victory, NY

Weather: (AM) Partly Cloudy Rainfall: (AM) 0.00 Inches

(PM) Mostly Sunny (PM) 0.00 Inches

Temperature: (AM) 60s ºF Wind Speed: (AM) 0-5 MPH Wind Direction: (AM) West

(PM) 70s ºF (PM) 5-10 MPH (PM) West

Site Area Condition: Off-site locations in heavily vegetated areas following Little Sodus Creek.

Personnel On-Site			
Name	**Affiliation**	**Arrival Time**	**Departure Time**
Nick Gier	TRC Engineers, Inc.	8:00	16:30
Steve Johansson	TRC Engineers, Inc.	8:00	16:30
Harry Fuller	TRC Engineers, Inc.	8:00	16:30
Scott Snyder	Weston Environmental	8:00	15:30

Work Performed:

1. TRC mobilized to the Site to commence supplemental sediment and surface water sampling.
2. TRC personnel conducted a tailgate safety and scope of work meeting to begin the day.
3. TRC inspected all hand tools to be used throughout the day.
4. One Equipment Blank sample was collected from non-dedicated field sampling equipment, to be analyzed for PFAS.
5. Using a hand auger, TRC collected twelve (12) sediment samples from six (6) proposed off-site sampling locations. Additionally, six (6) off-site co-located surface water samples were as collected. A summary of co-located sediment and surface water samples collected on June 17, 2021 are as follows (see attached **Figure 1**):

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-WS-131	N/A	
BLF-SED-131	0.0 – 0.5 0.5 – 1.0	
BLF-WS-132	N/A	
BLF-SED-132	0.0 – 0.5 0.5 – 1.0	
BLF-WS-133	N/A	
BLF-SED-133	0.0 – 0.5 0.5 – 1.0	
BLF-WS-134	N/A	
BLF-SED-134	0.0 – 0.5	

DAILY FIELD ACTIVITY REPORT

Sample Location ID	Sample Depth (ft. bgs)	Notes
	0.5 – 1.0	
BLF-WS-135	N/A	
BLF-SED-135	0.0 – 0.5 0.5 – 1.0	
BLF-WS-136	N/A	
BLF-SED-136	0.0 – 0.5 0.5 – 1.0	

6. All sediment samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL VOCs + 10 TICs, TCL SVOCs+20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, total organic carbon (TOC). Additionally, one sample from each depth interval was collected for grain size analysis.
7. All surface water samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL SVOCs + 10 TICs, TCL SVOCs + 20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, and hardness.
8. All sampling equipment was decontaminated between each sample location and each sampling interval.
9. Supplemental sediment and surface water sample collection will continue on Friday, June 18, 2021.

Equipment, Tools, Materials and Supplies Used:

1. Hand tools (shovels, tape measure, hand trowel, etc.)
2. Hand auger
3. 5-gallon buckets
4. Spray bottles (1 DI water [PFAS-free], 1 DI water [PFAS-free] & Alconox)

Health and Safety:

(if any questions are answered "Yes", explain the result, deviation, corrective action, etc.)

1. Were there any work zone air monitoring action level exceedances? ☐ Yes ☒No
2. Were there any perimeter air monitoring action level exceedances? ☐ Yes ☒No
3. Were there any dust and/or odor issues? ☐ Yes ☒No

Explain:

Investigation Derived Waste (IDW):

(explain the type of waste generated, estimated quantity of each waste type, the number and type of containers used and any problems and corrective actions)

1. Was any IDW generated? ☐ Yes ☒No ☐N/A
   Type & Quantity of IDW (daily total only): N/A
2. Were all waste containers properly labeled and stored? ☐ Yes ☐No ☒N/A
3. Was any IDW removed from the site? ☐ Yes ☐No ☒N/A
4. Were all vehicles properly lined, tarped, placarded, decontaminated, etc.? ☐ Yes ☐No ☒N/A

DAILY FIELD ACTIVITY REPORT

Project Schedule:

1. 6/14/21 – 6/18/21: Supplemental Surface Water and Sediment Sampling Program

Issues/Items of Concern:

1. None at this time.

Prepared By:

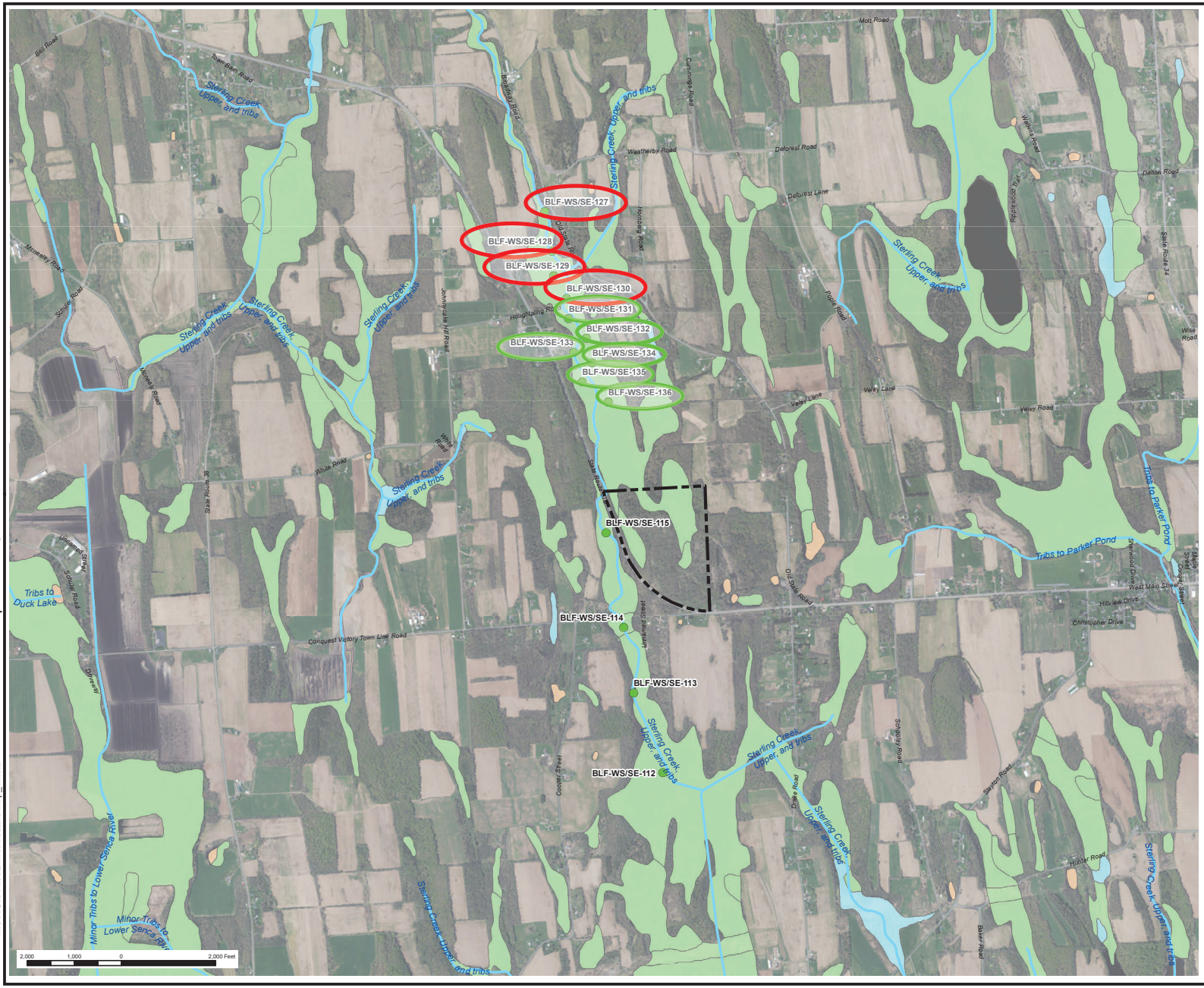
Nick Gier
Site Representative

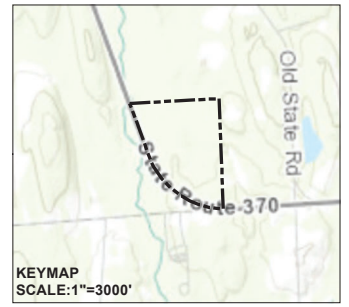
Reviewed By:

Ryan S. Jorrey, P.G.
Senior Project Manager

Attachments:

1. Figure 1 – Annotated Supplemental Soil Sampling Plan





LEGEND

- PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT LOCATION
- APPROXIMATE SITE BOUNDARY
- STREAM
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND
- FRESHWATER POND
- RIVERINE
- SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS COMPLETED PRIOR TO JUNE 17, 2021
- SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 17, 2021

NOTES

THIS DATA SET REPRESENTS THE EXTENT, APPROXIMATE LOCATION AND TYPE OF WETLANDS AND DEEPWATER HABITATS IN THE UNITED STATES AND ITS TERRITORIES.
PROVIDED BY THE STATE OF NEW YORK.

PROJECT:
BRILLO LANDFILL
VICTORY, NEW YORK

TITLE:
PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

DRAFT

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	APRIL 2021		

TRC
10 Maxwell Place, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_1.mxd

TRC - GIS
Plot Date: 4/16/2021, 10:19:44 AM by MGIAMBATTISTA -- LAYOUT: ANSI B(11"x17") **Coordinate System:** NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Path: M:\ArcGIS Files\Brillo\Wetland Map_1.mxd **Map Rotation:** 0

DAILY FIELD ACTIVITY REPORT

Report Number: D009812-08-05 TRC Project Number: 394401.0000.0000

Date: June 18, 2021

Project: NYSDEC WA D009812-08, Brillo Landfill, Site No. 706013

Address: Townline Road, Victory, NY

Weather: (AM) Mostly Cloudy Rainfall: (AM) 0.00 Inches

(PM) Mostly Cloudy (PM) 0.00 Inches

Temperature: (AM) 70s ºF Wind Speed: (AM) 5-10 MPH Wind Direction: (AM) SW

(PM) 70s ºF (PM) 5-10 MPH (PM) SW

Site Area Condition: Off-site locations in heavily vegetated areas following Little Sodus Creek.

Personnel On-Site			
Name	**Affiliation**	**Arrival Time**	**Departure Time**
Nick Gier	TRC Engineers, Inc.	8:00	11:00
Steve Johansson	TRC Engineers, Inc.	8:00	11:00
Harry Fuller	TRC Engineers, Inc.	8:00	11:00
Jonathan Bone	TRC Engineers, Inc.	9:00	11:00
Stephanie Fitzgerald	NYSDEC	8:30	11:00

Work Performed:

1. TRC mobilized to the Site to continue supplemental sediment and surface water sampling program.
2. TRC personnel conducted a tailgate safety and scope of work meeting to begin the day.
3. TRC inspected all hand tools to be used throughout the day.
4. One Equipment Blank sample was collected from non-dedicated field sampling equipment, to be analyzed for PFAS.
5. Using a hand auger, TRC collected four (4) sediment samples from two (2) proposed off-site sampling locations. Additionally, two (2) off-site co-located surface water samples were collected. A summary of co-located sediment and surface water samples collected on June 18, 2021 are as follows (see attached Figure):

Sample Location ID	Sample Depth (ft. bgs)	Notes
BLF-WS-137	N/A	
BLF-SED-137	0.0 – 0.5 0.5 – 1.0	
BLF-WS-138	N/A	
BLF-SED-138	0.0 – 0.5 0.5 – 1.0	

6. All sediment samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL VOCs + 10 TICs, TCL SVOCs+20 TICs, TAL metals (including mercury

and cyanide), PCBs, PFAS, 1,4-dioxane, total organic carbon (TOC). Additionally, one sample from each depth interval was collected for grain size analysis.

7. All surface water samples collected at the locations and depths described above were submitted to the TestAmerica Laboratory in Amherst, NY for analysis of TCL SVOCs + 10 TICs, TCL SVOCs + 20 TICs, TAL metals (including mercury and cyanide), PCBs, PFAS, 1,4-dioxane, and hardness.
8. All sampling equipment was decontaminated between each sample location and each sampling interval.
9. Supplemental sediment and surface water sample collection was completed on Friday, June 18, 2021.

Equipment, Tools, Materials and Supplies Used:

1. Hand tools (shovels, tape measure, hand trowel, etc.)
2. Hand auger
3. 5-gallon buckets
4. Spray bottles (1 DI water [PFAS-free], 1 DI water [PFAS-free] & Alconox)

Health and Safety:

(if any questions are answered "Yes", explain the result, deviation, corrective action, etc.)

1. Were there any work zone air monitoring action level exceedances? ☐ Yes ☒No
2. Were there any perimeter air monitoring action level exceedances? ☐ Yes ☒No
3. Were there any dust and/or odor issues? ☐ Yes ☒No

Explain:

Investigation Derived Waste (IDW):

(explain the type of waste generated, estimated quantity of each waste type, the number and type of containers used and any problems and corrective actions)

1. Was any IDW generated? ☐ Yes ☒No ☐N/A
   Type & Quantity of IDW (daily total only): N/A
2. Were all waste containers properly labeled and stored? ☐ Yes ☐No ☒N/A
3. Was any IDW removed from the site? ☐ Yes ☐No ☒N/A
4. Were all vehicles properly lined, tarped, placarded, decontaminated, etc.? ☐ Yes ☐No ☒N/A

Project Schedule:

1. 6/14/21 – 6/18/21: Supplemental Surface Water and Sediment Sampling Program

Issues/Items of Concern:

1. None at this time.

DAILY FIELD ACTIVITY REPORT

Prepared By:

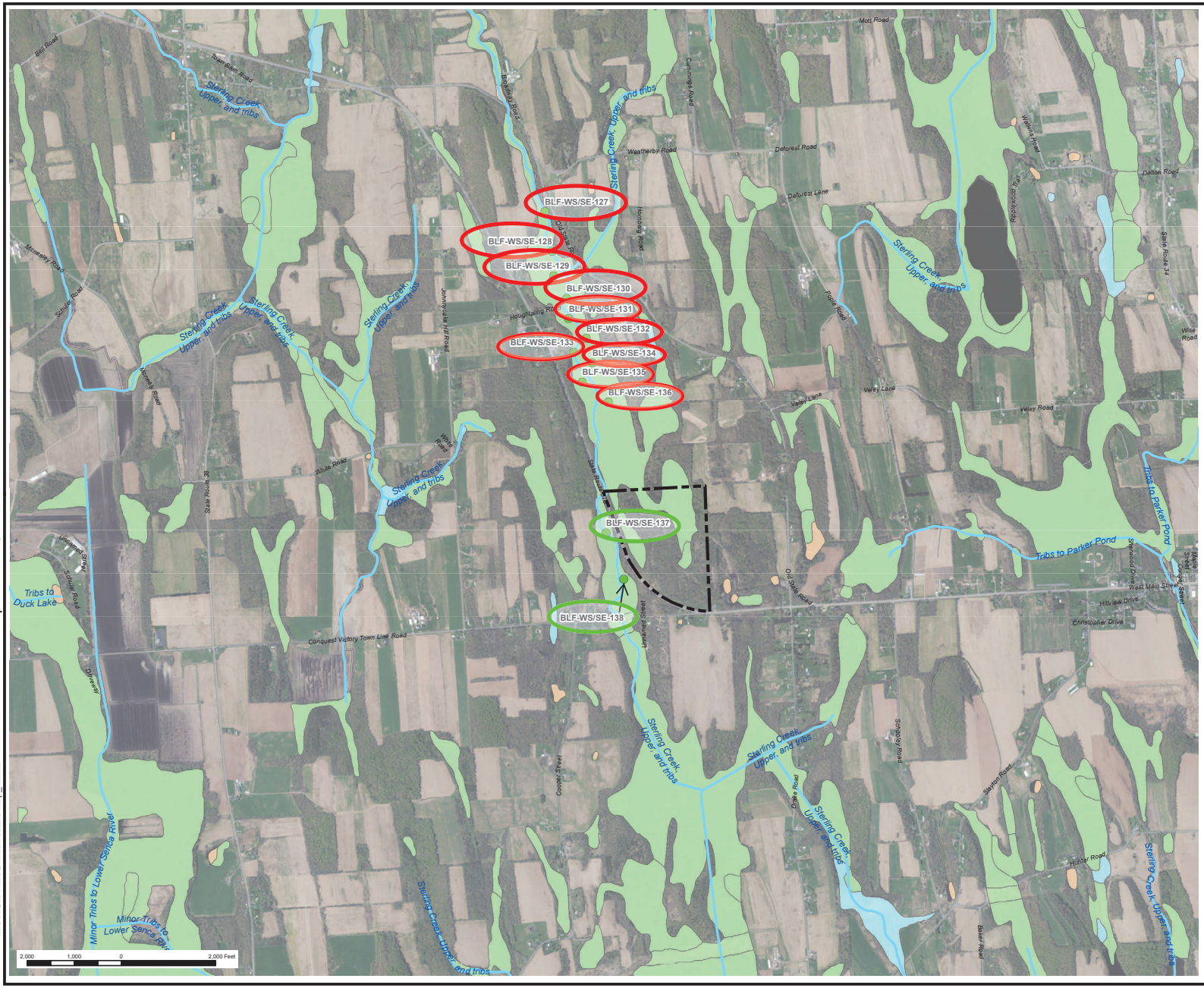
Nick Gier
Site Representative

Reviewed By:

Ryan S. Jorrey, P.G.
Senior Project Manager

Attachments:

Figure 1 – Offsite Supplemental Surface Water and Sediment Sampling Plan



KEYMAP
SCALE:1"=3000'

LEGEND

- PROPOSED SUPPLEMENTAL SURFACE WATER AND SEDIMENT LOCATION
- APPROXIMATE SITE BOUNDARY
- STREAM
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/SHRUB WETLAND
- FRESHWATER POND
- RIVERINE
- SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS COMPLETED PRIOR TO JUNE 18, 2021
- SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS COMPLETED ON JUNE 18, 2021

NOTES

THIS DATA SET REPRESENTS THE EXTENT, APPROXIMATE LOCATION AND TYPE OF WETLANDS AND DEEPWATER HABITATS IN THE UNITED STATES AND ITS TERRITORIES.
PROVIDED BY THE STATE OF NEW YORK.

PROJECT:
BRILLO LANDFILL
VICTORY, NEW YORK

TITLE:
OFFSITE SUPPLEMENTAL SURFACE WATER AND SEDIMENT SAMPLING PLAN

FILE COPY

DRAWN BY:	M. GIAMBATTISTA	PROJ NO.:	394401.0000.0000
CHECKED BY:	H. DELGADO		
APPROVED BY:	R. JORREY		**FIGURE 1**
DATE:	APRIL 2021		

TRC
10 Maxwell Place, Suite 200
Clifton Park, NY 12065
Phone: 518.348.1190
www.trccompanies.com

FILE NO.: Wetland Map_1.mxd

TRC - GIS
Plot Date: 4/16/2021, 10:19:44 AM by MGIAMBATTISTA -- LAYOUT: ANSI B(11"x17") **Coordinate System:** NAD 1983 StatePlane New York Central FIPS 3102 Feet (Foot US)
Path: M:\ArcGIS Files\Brillo\Wetland Map_1.mxd **Map Rotation:** 0

Appendix B
Summary of Laboratory Particle Size Analysis Results

Summary of Laboratory Particle Size Analysis Results

Project Name: D009812-08 – Brillo Landfill
Client Name: New York Department of Environmental Conservation
NYSDEC Site #: 706013
TRC Project #: 394401

SAMPLE IDENTIFICATION		GRAIN SIZE DISTRIBUTION (% by weight)				Note
Source #	Depth (in.)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	
BLF-SE-112	0.0-6.0	6.4	45.7	47.9		B
BLF-SE-112	6.0-12.0	15.2	31.4	53.4		B
BLF-SE-113	0.0-6.0	0.0	0.0	100.0		C
BLF-SE-113	6.0-12.0	1.1	92.1	6.8		A
BLF-SE-114	0.0-6.0	0.0	56.6	43.4		D
BLF-SE-114	6.0-12.0	0.0	0.1	99.9		D
BLF-SE-115	0.0-6.0	0.0	98.0	2.0		D
BLF-SE-115	6.0-12.0	0.0	96.0	4.0		D
BLF-SE-116	0.0-6.0	8.6	65.8	25.6		A
BLF-SE-116	6.0-12.0	1.5	56.1	42.4		A
BLF-SE-117	0.0-6.0	16.1	62.1	21.7		A
BLF-SE-117	6.0-12.0	31.4	56.4	12.1		B
BLF-SE-118	0.0-6.0	0.0	89.4	10.6		D
BLF-SE-118	6.0-12.0	0.0	2.5	97.5		D
BLF-SE-119	0.0-6.0	0.8	46.8	54.4		A
BLF-SE-119	6.0-12.0	0.0	39.0	61.0		A

DRAWN BY: TBT 07/08/21 CHECKED BY: IA 07/08/21

Summary of Laboratory Particle Size Analysis Results

Project Name: D009812-08 – Brillo Landfill
Client Name: New York Department of Environmental Conservation
NYSDEC Site #: 706013
TRC Project #: 394401

SAMPLE IDENTIFICATION		GRAIN SIZE DISTRIBUTION (% by weight)				Note
Source #	Depth (in.)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	
BLF-SE-120	0.0-6.0	2.9	33.5	63.6		A
BLF-SE-120	6.0-12.0	8.4	24.0	67.6		B
BLF-SE-121	0.0-6.0	0.0	81.3	18.7		D
BLF-SE-121	6.0-12.0	0.0	0.9	99.1		D
BLF-SE-122	0.0-6.0	4.8	81.0	14.2		A
BLF-SE-122	6.0-12.0	7.0	47.0	46.0		A
BLF-SE-123	0.0-6.0	11.8	84.1	4.1		A
BLF-SE-124	0.0-6.0	7.5	64.2	28.3		A
BLF-SE-124	6.0-12.0	25.8	44.0	30.2		A
BLF-SE-125	0.0-6.0	0.0	20.0	80.0		D
BLF-SE-125	6.0-12.0	0.0	95.6	4.4		D
BLF-SE-126	0.0-6.0	8.1	64.8	27.1		A
BLF-SE-126	6.0-12.0	19.5	46.0	34.5		A
BLF-SE-127	0.0-6.0	0.0	0.0	100.0		C
BLF-SE-127	6.0-12.0	1.7	52.5	45.8		A
BLF-SE-128	0.0-6.0	0.0	60.1	39.9		D

DRAWN BY: TBT 07/08/21 CHECKED BY: IA 07/08/21

Summary of Laboratory Particle Size Analysis Results

Project Name: D009812-08 – Brillo Landfill
Client Name: New York Department of Environmental Conservation
NYSDEC Site #: 706013
TRC Project #: 394401

SAMPLE IDENTIFICATION		GRAIN SIZE DISTRIBUTION (% by weight)				Note
Source #	Depth (in.)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	
BLF-SE-128	6.0-12.0	0.0	24.4	75.6		A
BLF-SE-129	0.0-6.0	0.0	51.9	48.1		D
BLF-SE-129	6.0-12.0	6.5	76.8	16.7		A
BLF-SE-130	0.0-6.0	18.9	74.2	6.9		A
BLF-SE-130	6.0-12.0	1.5	33.3	65.2		A
BLF-SE-131	0.0-6.0	15.5	74.6	9.9		B
BLF-SE-131	6.0-12.0	27.8	61.5	10.7		B
BLF-SE-132	0.0-6.0	29.7	60.2	10.1		A
BLF-SE-132	6.0-12.0	14.5	66.8	18.7		B
BLF-SE-133	0.0-6.0	0.0	71.7	28.3		D
BLF-SE-133	6.0-12.0	1.1	46.7	52.2		A
BLF-SE-134	0.0-6.0	0.0	26.7	73.3		D
BLF-SE-134	6.0-12.0	0.0	60.1	39.9		D
BLF-SE-135	0.0-6.0	0.0	39.8	60.2		D
BLF-SE-135	6.0-12.0	28.9	51.3	19.8		A
BLF-SE-136	0.0-6.0	6.6	54.7	38.7		A

DRAWN BY: TBT 07/08/21 CHECKED BY: IA 07/08/21

Summary of Laboratory Particle Size Analysis Results

Project Name: D009812-08 – Brillo Landfill
Client Name: New York Department of Environmental Conservation
NYSDEC Site #: 706013
TRC Project #: 394401

SAMPLE IDENTIFICATION		GRAIN SIZE DISTRIBUTION (% by weight)				Note
Source #	Depth (in.)	Gravel (%)	Sand (%)	Silt (%)	Clay (%)	
BLF-SE-136	6.0-12.0	22.1	43.9	34.0		A
BLF-SE-137	0.0-6.0	8.3	55.3	36.4		A
BLF-SE-137	6.0-12.0	0.0	48.3	51.7		D
BLF-SE-138	0.0-6.0	11.2	23.8	65.0		A
BLF-SE-138	6.0-12.0	0.0	17.7	82.3		D

Notes:

A) Gravel and sand particle size distribution may be biased high due to fibrous material retained on gravel and sand-sized sieves.
B) Little to no organic/fibrous material observed in sample.
C) Sample contained a significant amount of organic/fibrous material, which was removed during analysis.
D) Sample contained a significant amount of organic/fibrous material – the majority of which was removed during analysis. However, sand distribution may be biased high due to fibrous material retained on sand-sized sieves.

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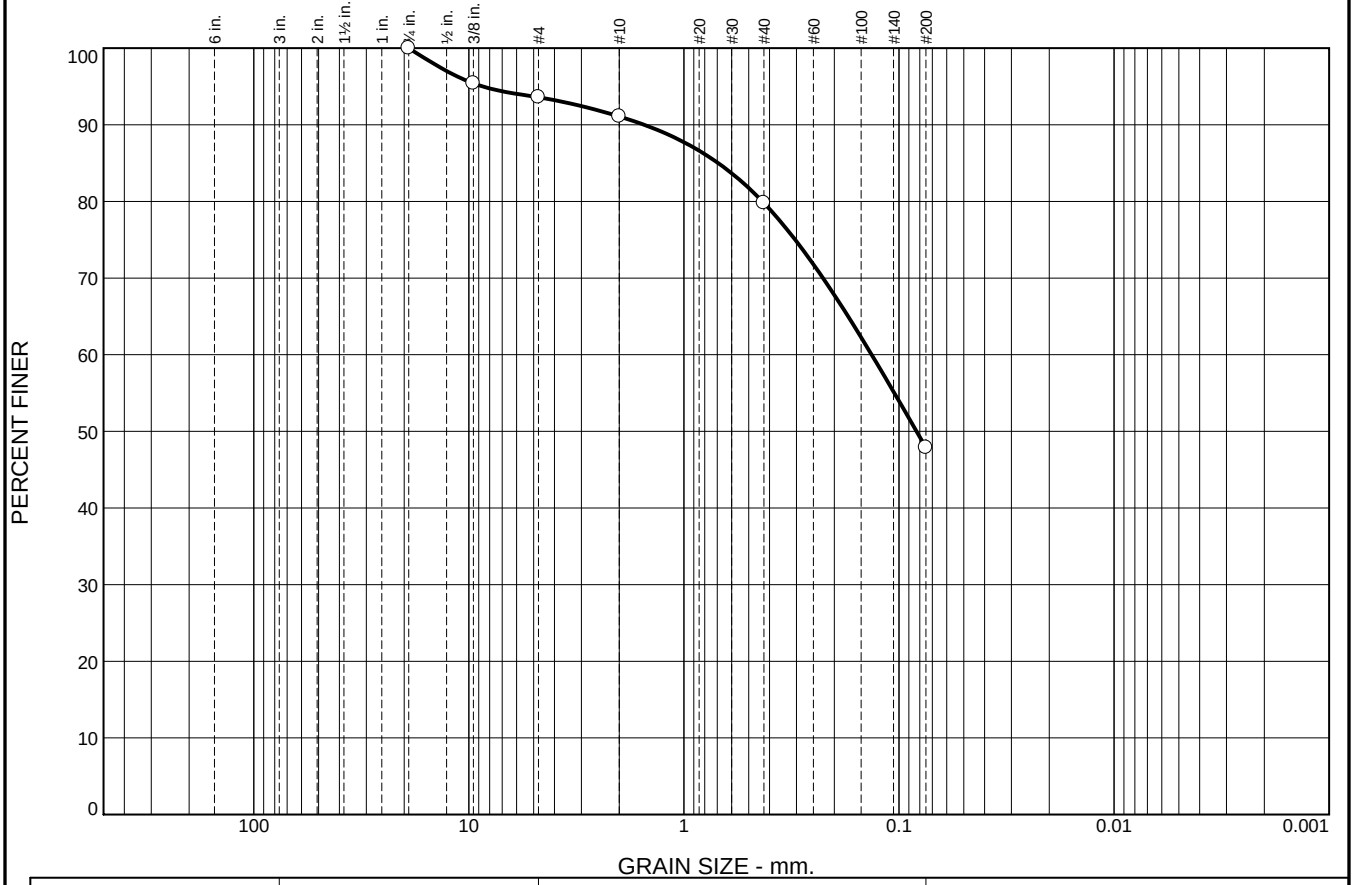
Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	6.4	2.5	11.3	31.9	47.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.6929	0.1340	0.0829					

Material Description	USCS	AASHTO
○ BLACK TO BROWN ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-112 **Depth:** 0.0-6.0 IN.

Date: ○

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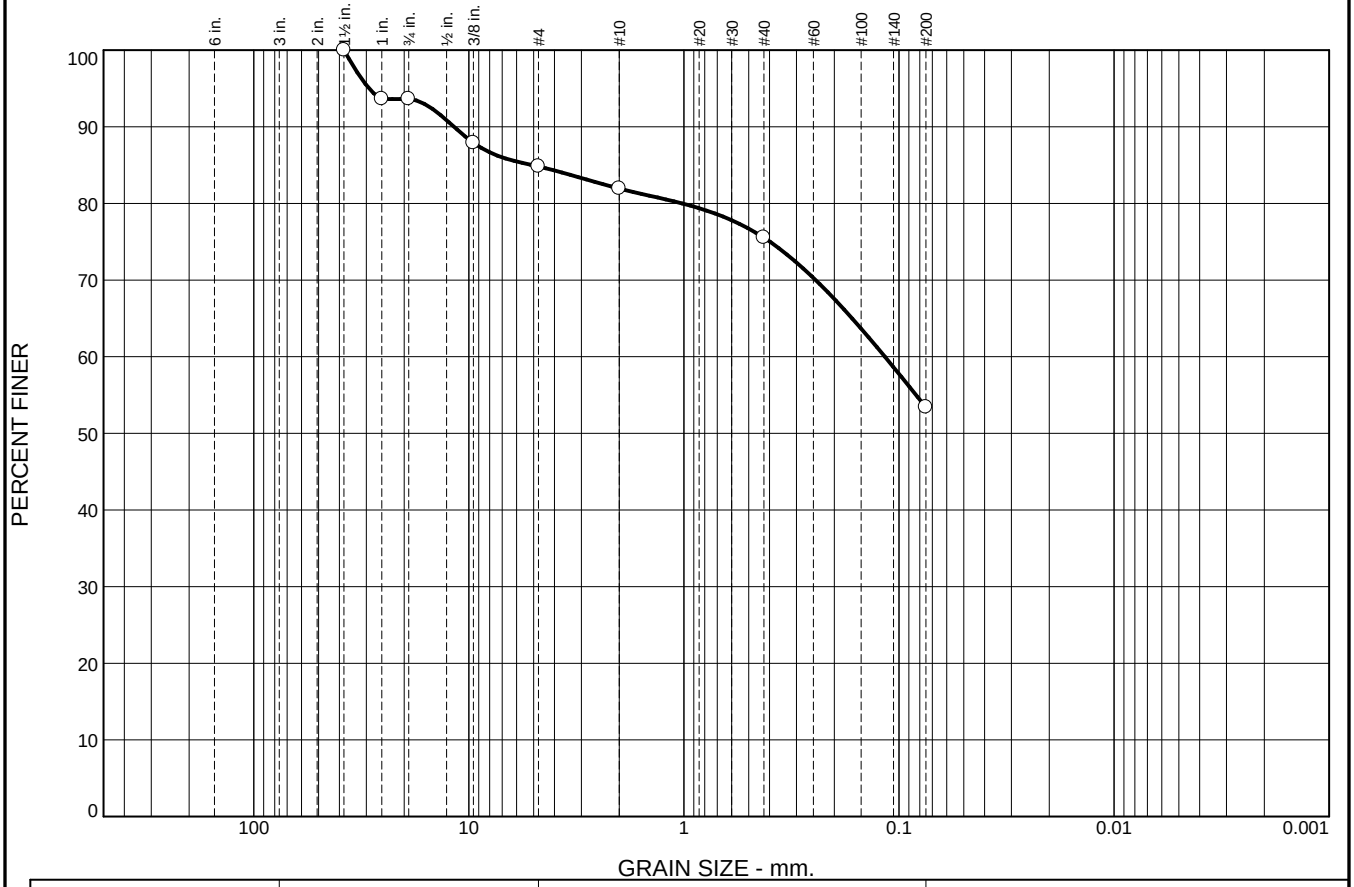
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 1

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	6.4	8.8	2.9	6.4	22.1	53.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.0709	0.1163						

Material Description	USCS	AASHTO
○ BROWN SANDY SILT WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-112 **Depth:** 6.0-12.0 IN.

Date: ○

Remarks:

○SEE NOTE ON SUMMARY TABLE

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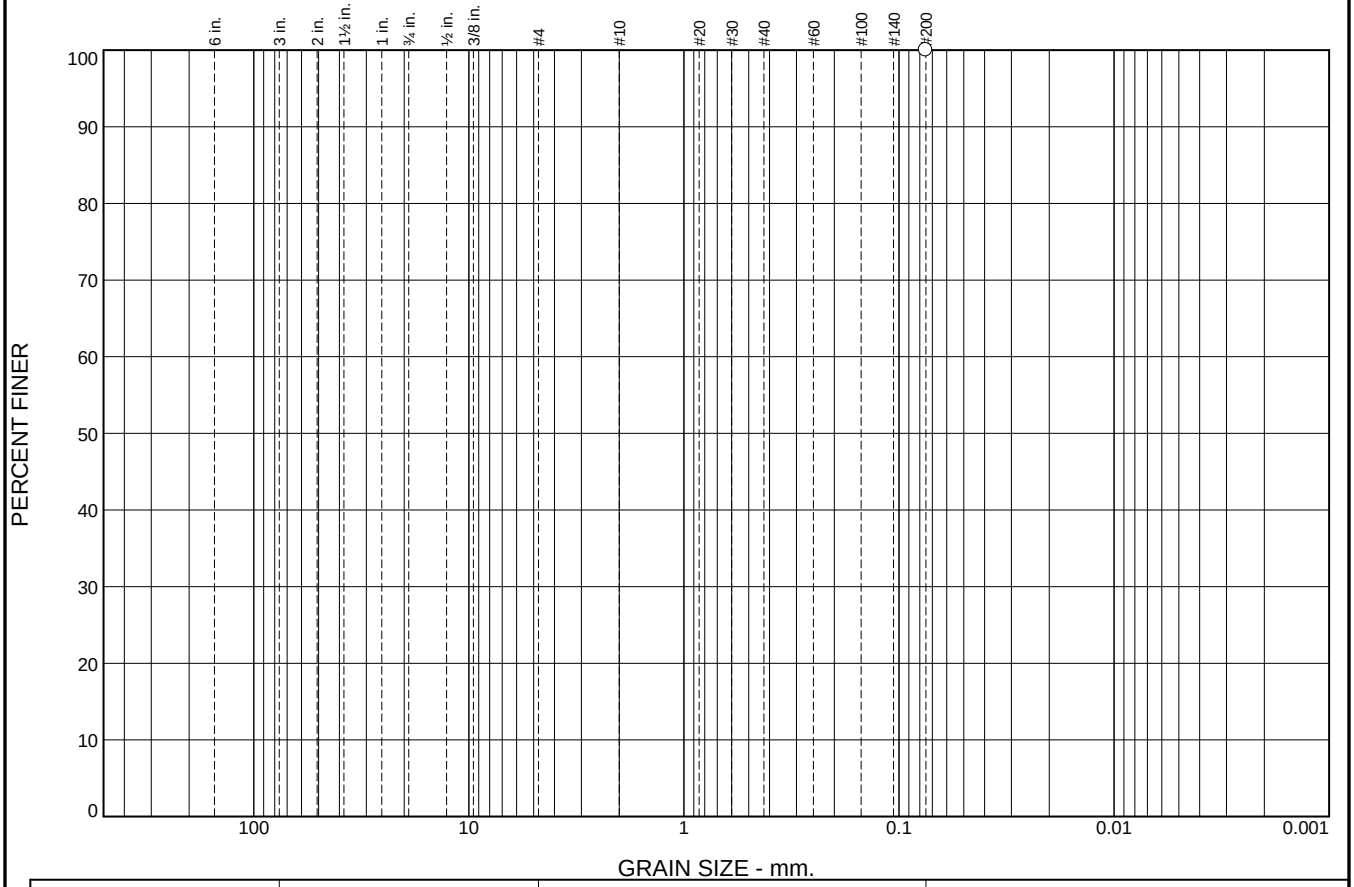
Figure 2

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-113 **Depth:** 0.0-6.0 IN.

Date: ○

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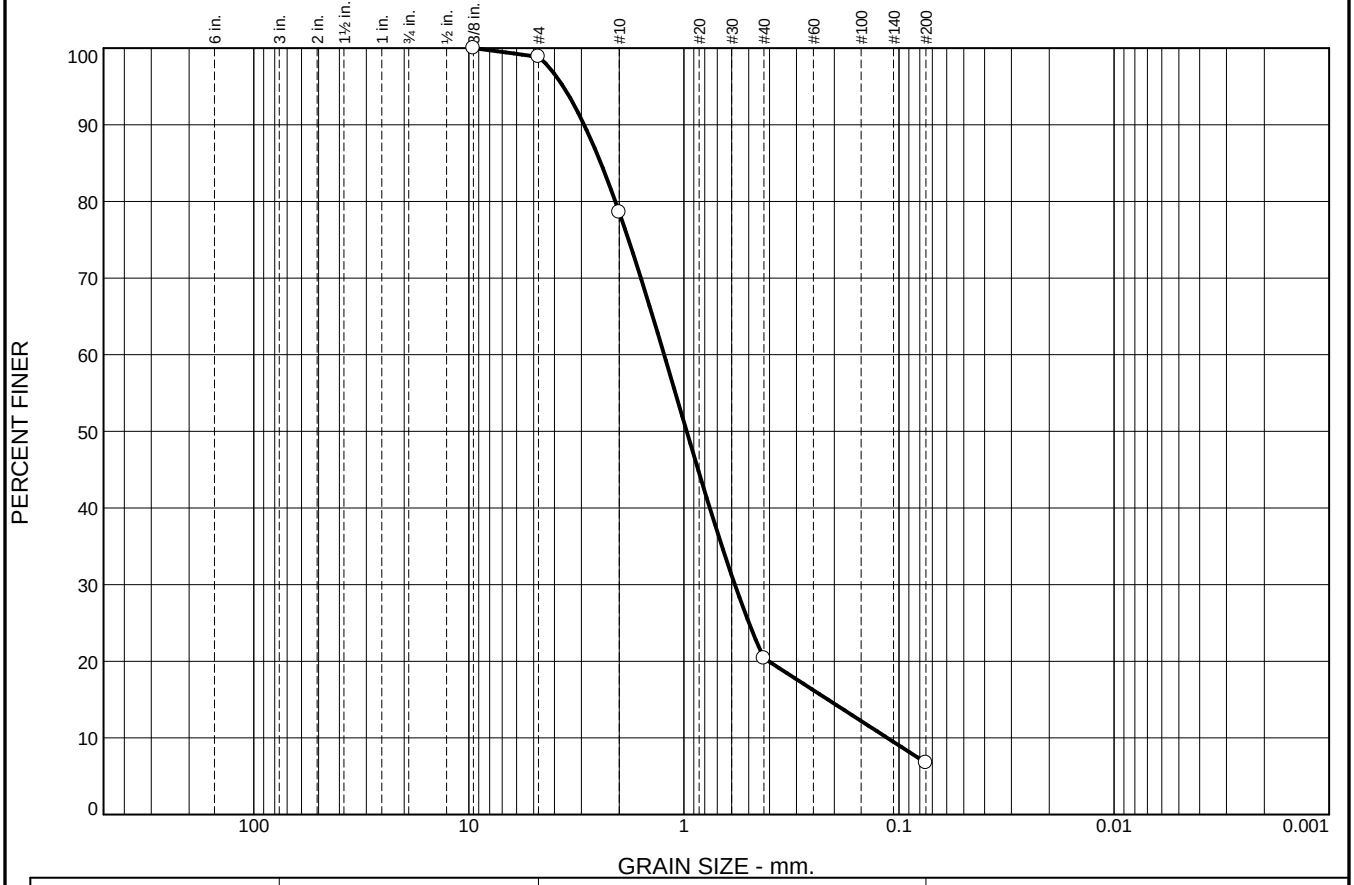
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 3

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	20.3	58.2	13.6	6.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				2.4347	1.2363	0.9708	0.5798	0.2140	0.1133	2.40	10.91

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-113 **Depth:** 6.0-12.0 IN.

Date: ○

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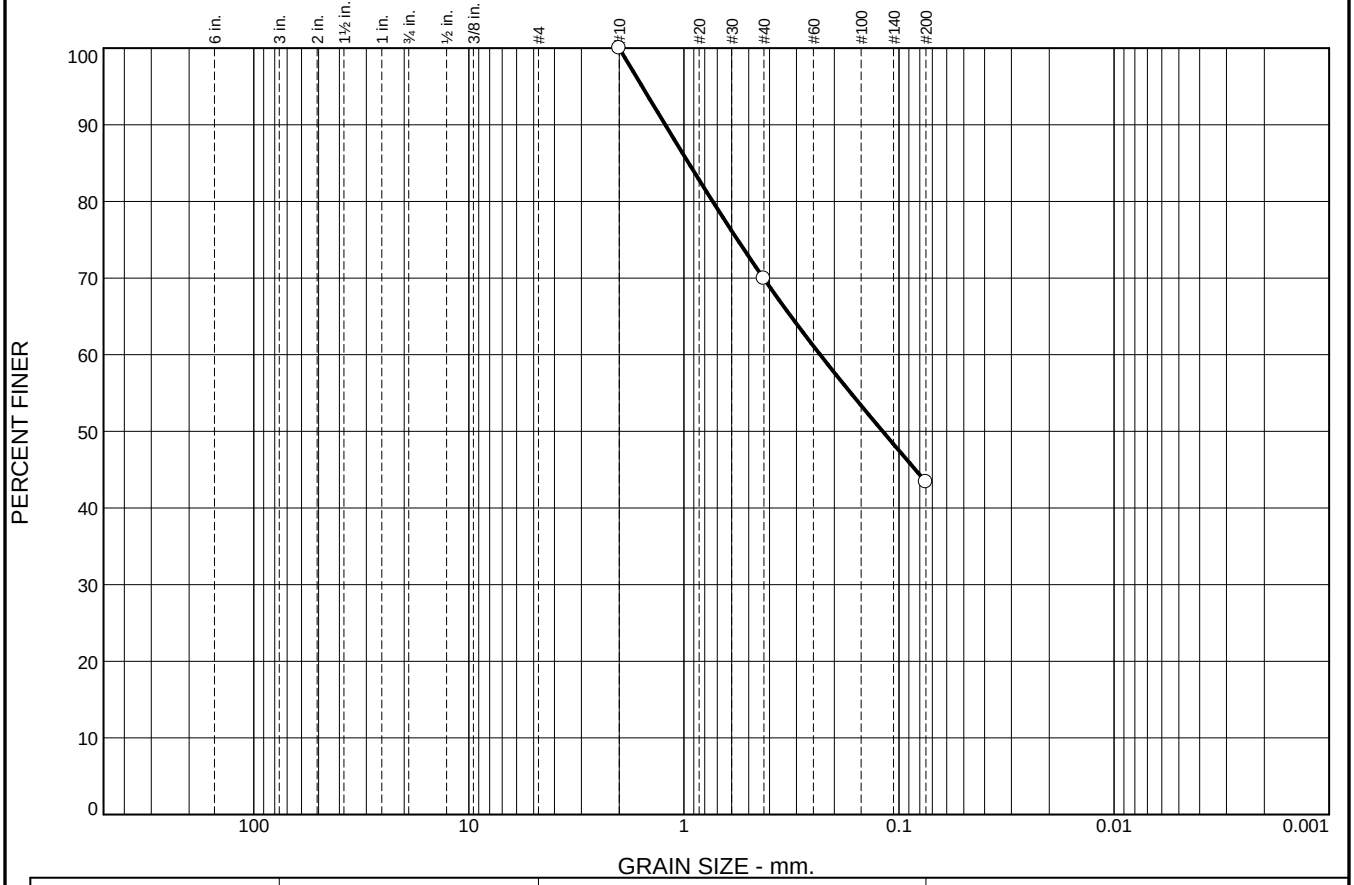
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 4

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	30.1	26.5	43.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.9503	0.2325	0.1190					

Material Description	USCS	AASHTO
○ DARK BROWN TO BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-114 **Depth:** 0.0-6.0 IN.

Date: ○

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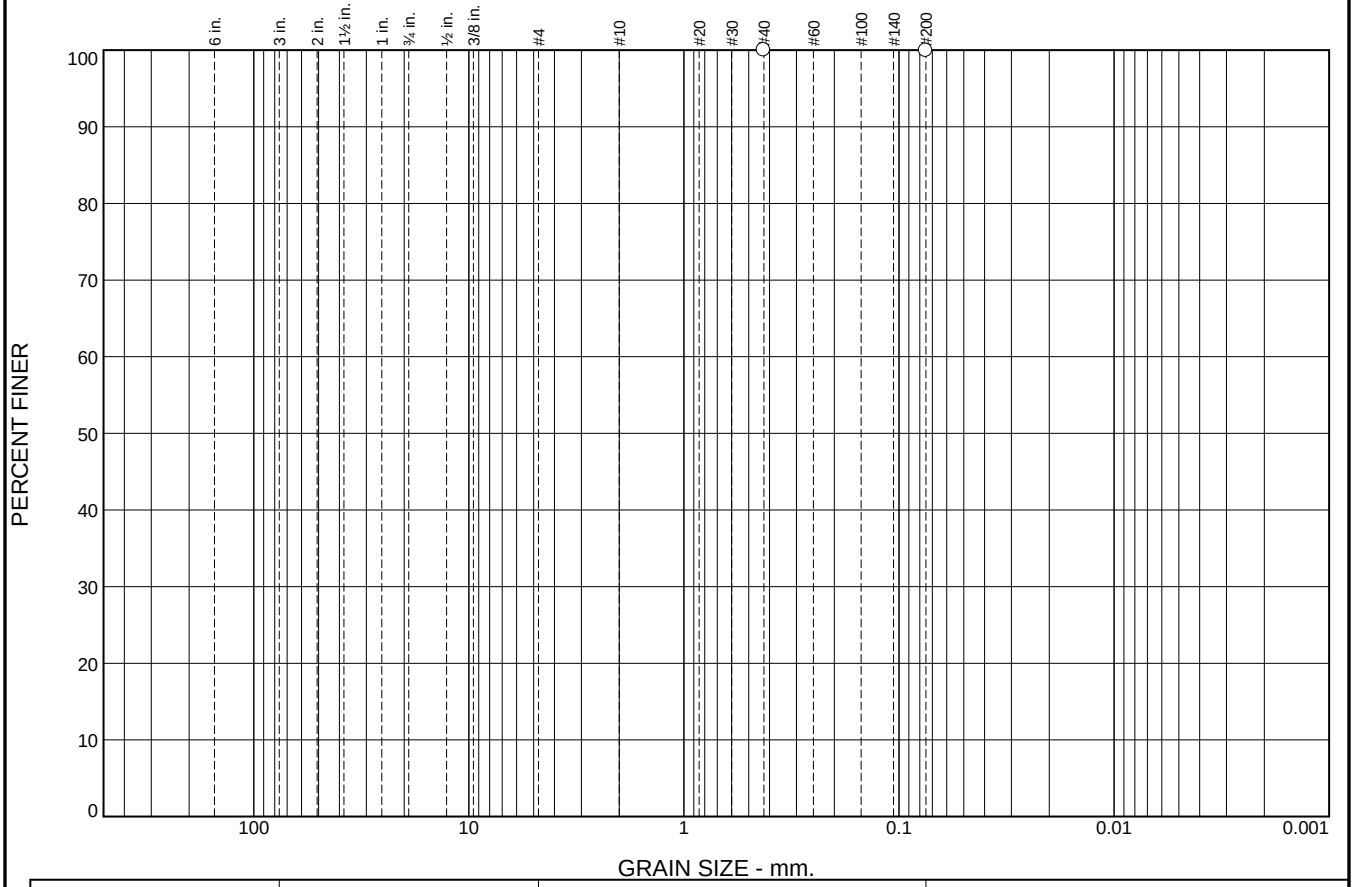
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 5

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.1	99.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-114 **Depth:** 6.0-12.0 IN.

Date: ○

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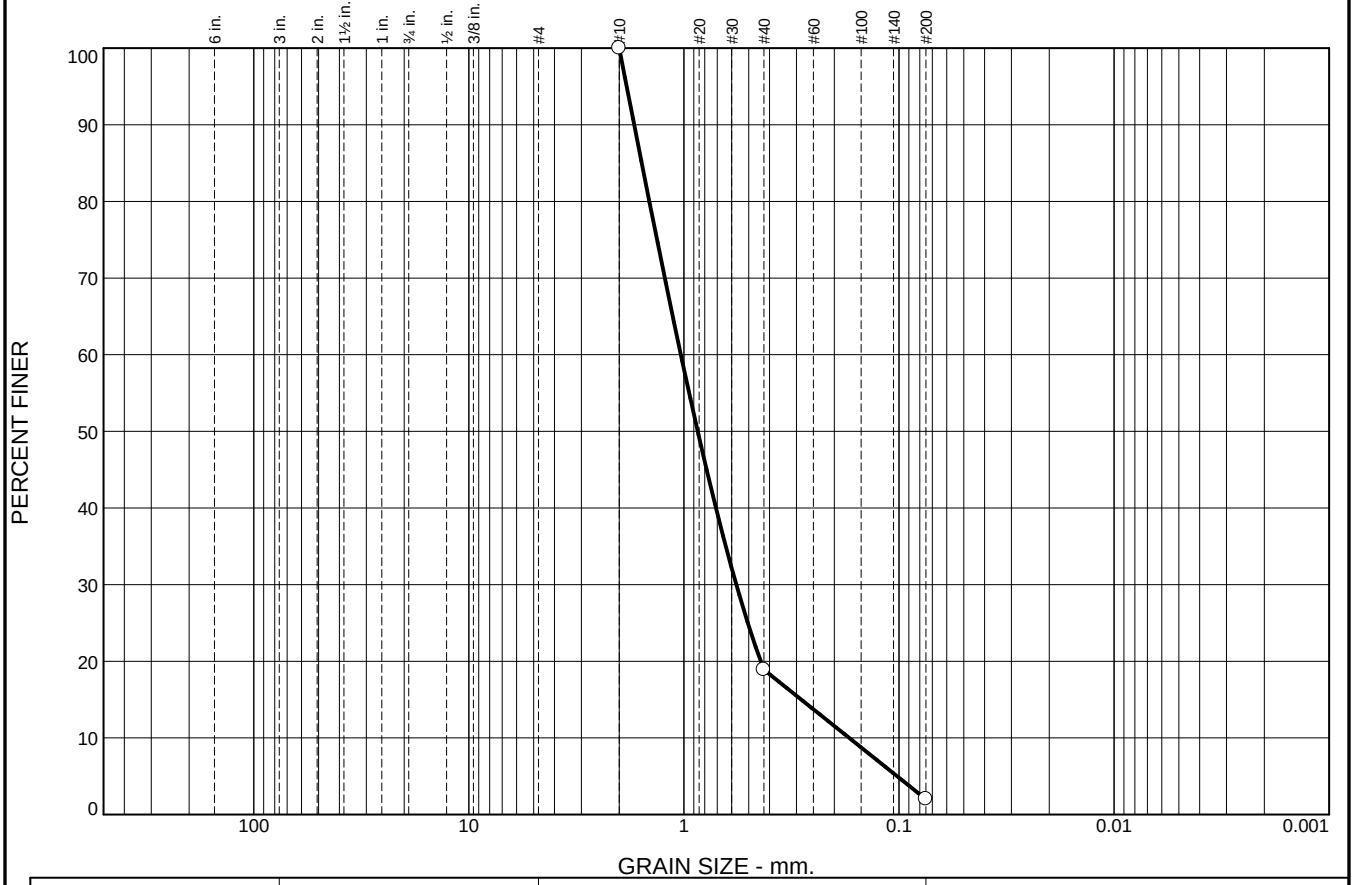
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 6

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	81.1	16.9	2.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.5713	1.0336	0.8626	0.5709	0.2849	0.1705	1.85	6.06

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANICS	SW	

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-115 **Depth:** 0.0-6.0 IN.

Date: ○

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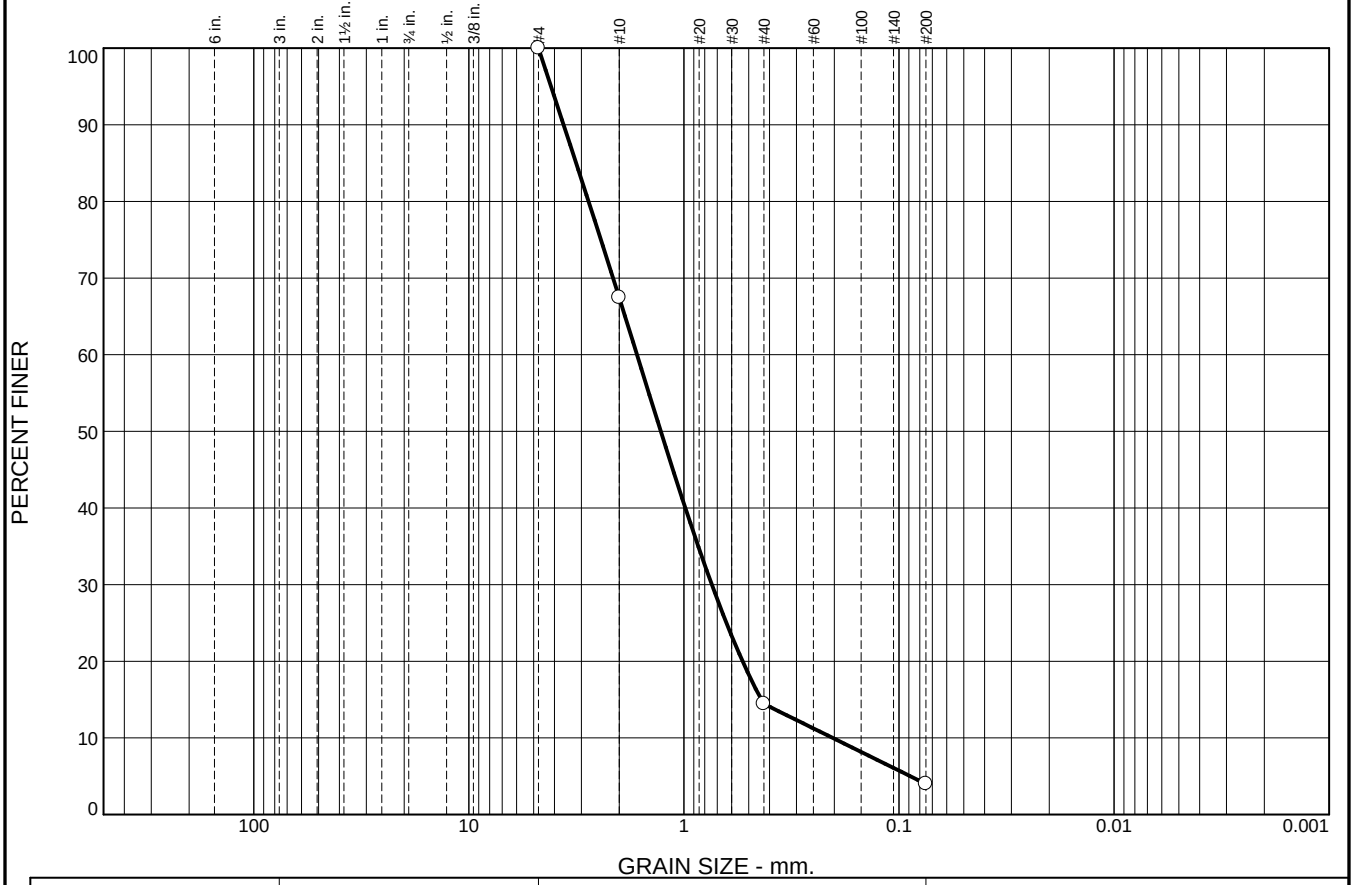
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 7

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	32.5	53.1	10.4	4.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				3.1715	1.6537	1.2814	0.7418	0.4362	0.2034	1.64	8.13

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANICS	SW	

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-115 **Depth:** 6.0-12.0 IN.

Date: ○

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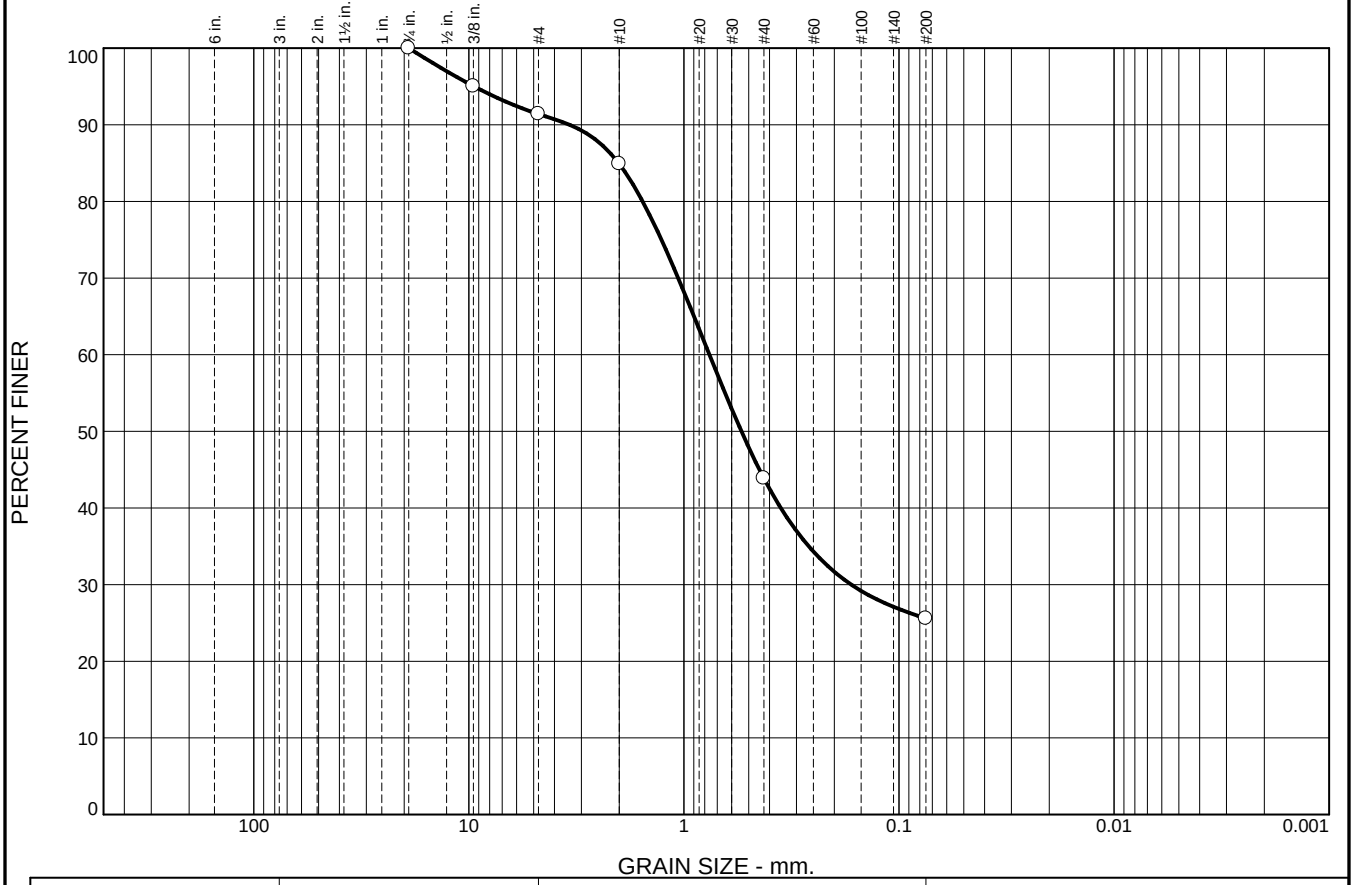
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 8

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	8.6	6.5	41.0	18.3	25.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				2.0118	0.7610	0.5403	0.1667				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-116 **Depth:** 0.0-6.0 IN.

Date: ○

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Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 9

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.5	3.6	22.4	30.1	42.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.8905	0.2079	0.1165					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-116 **Depth:** 6.0-12.0 IN.

Date: ○

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Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 10

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	16.1	7.2	16.8	38.2	21.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.4728	0.4275	0.2491	0.1046				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-117 **Depth:** 0.0-6.0 IN.

Date: ○

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Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 11

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	31.4	7.3	14.8	34.3	12.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				10.6111	1.6355	0.5503	0.1699	0.0849			

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-117 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

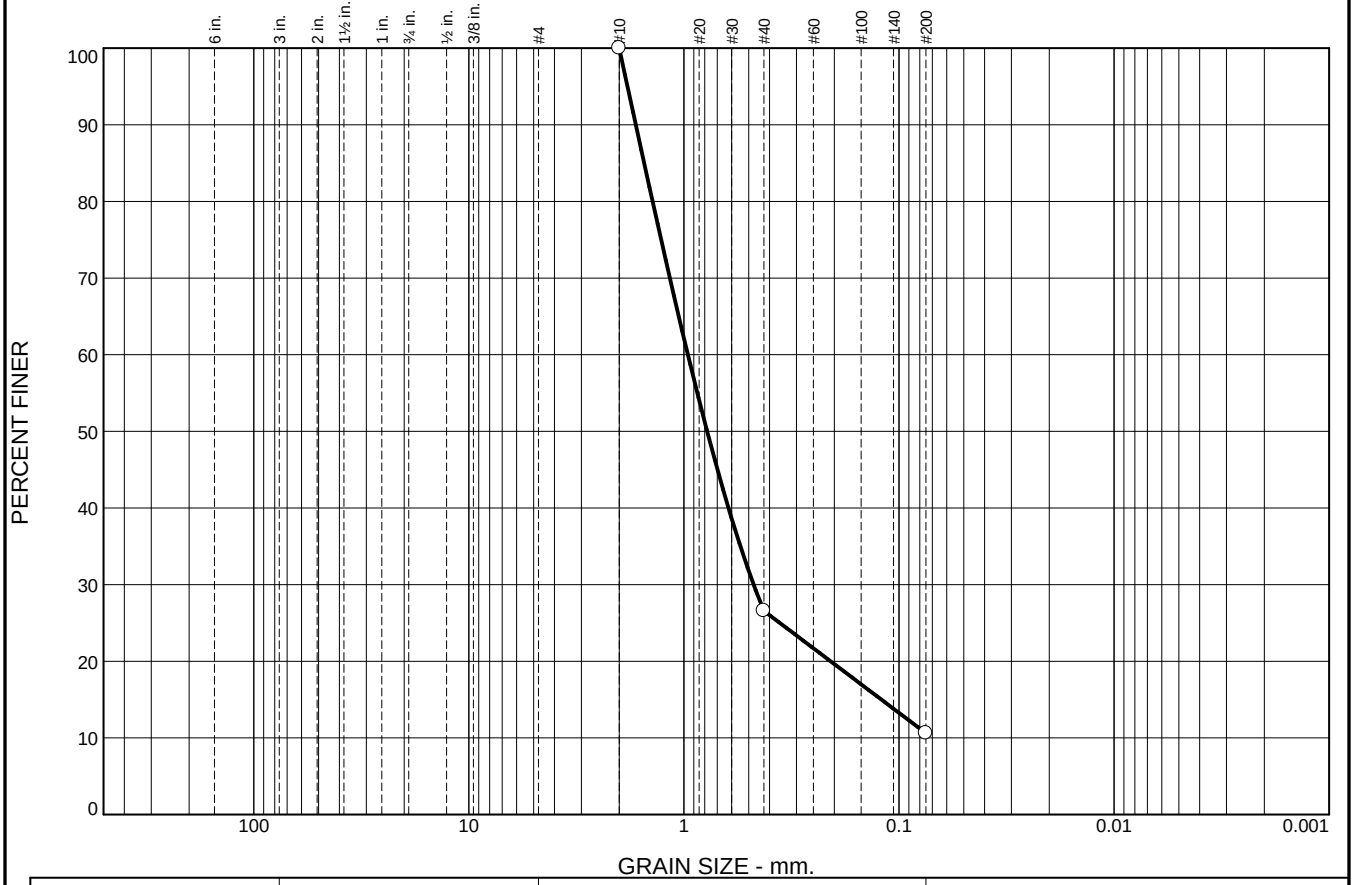
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 12

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	73.4	16.0	10.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.5311	0.9586	0.7798	0.4742	0.1208			

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-118 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

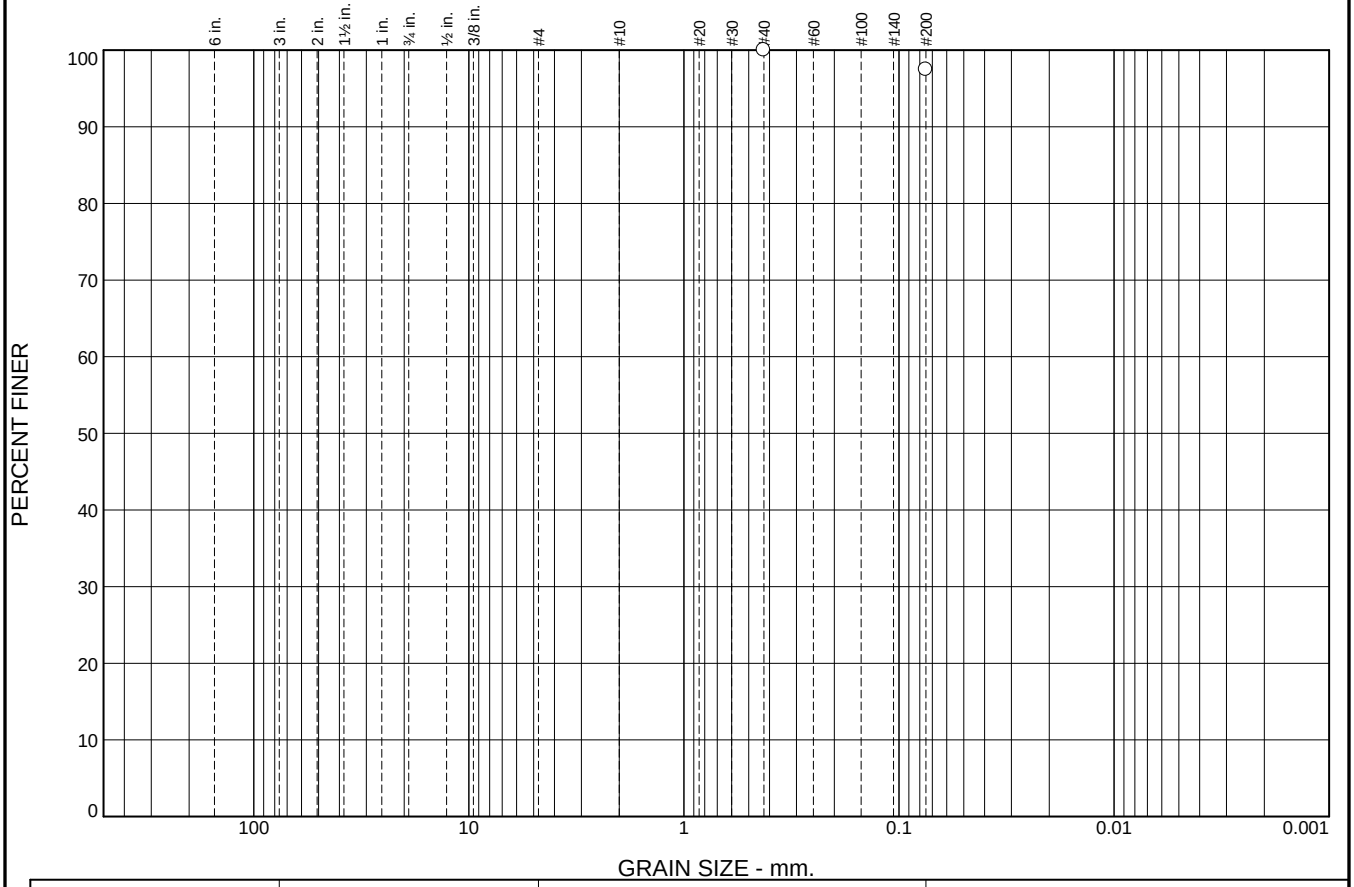
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 13

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	2.5	97.5	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-118 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 14

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.8	1.0	7.8	38.0	52.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.3002	0.1003						

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-119 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 15

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.9	6.2	31.9	61.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2426							

Material Description	USCS	AASHTO
○ BROWN SANDY SILTY CLAY		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-119 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 16

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	2.9	2.7	11.1	19.7	63.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.5095							

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-120 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

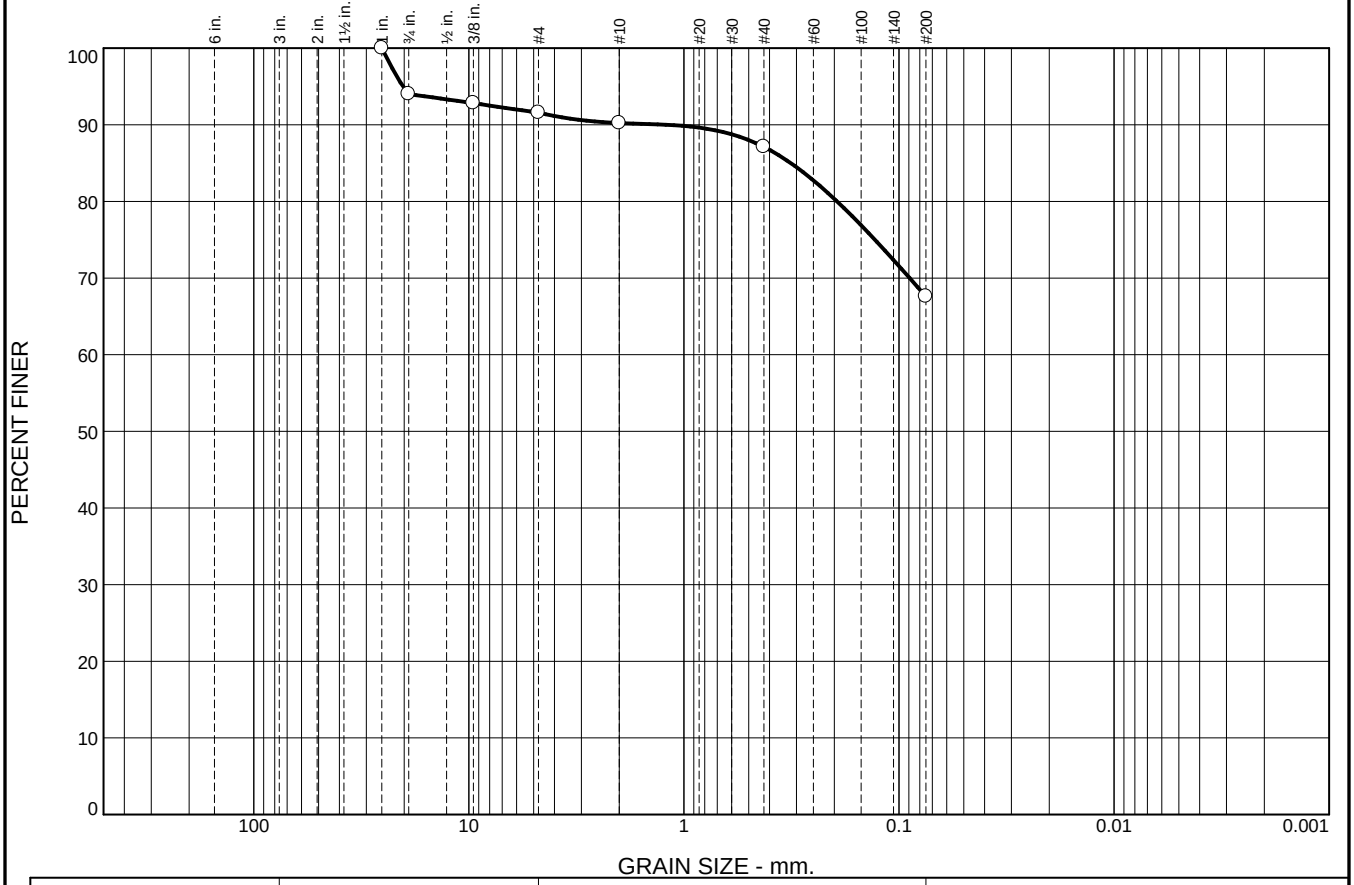
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 17

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	6.0	2.4	1.4	3.1	19.5	67.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.3185							

Material Description	USCS	AASHTO
○ BROWN SANDY SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-120 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

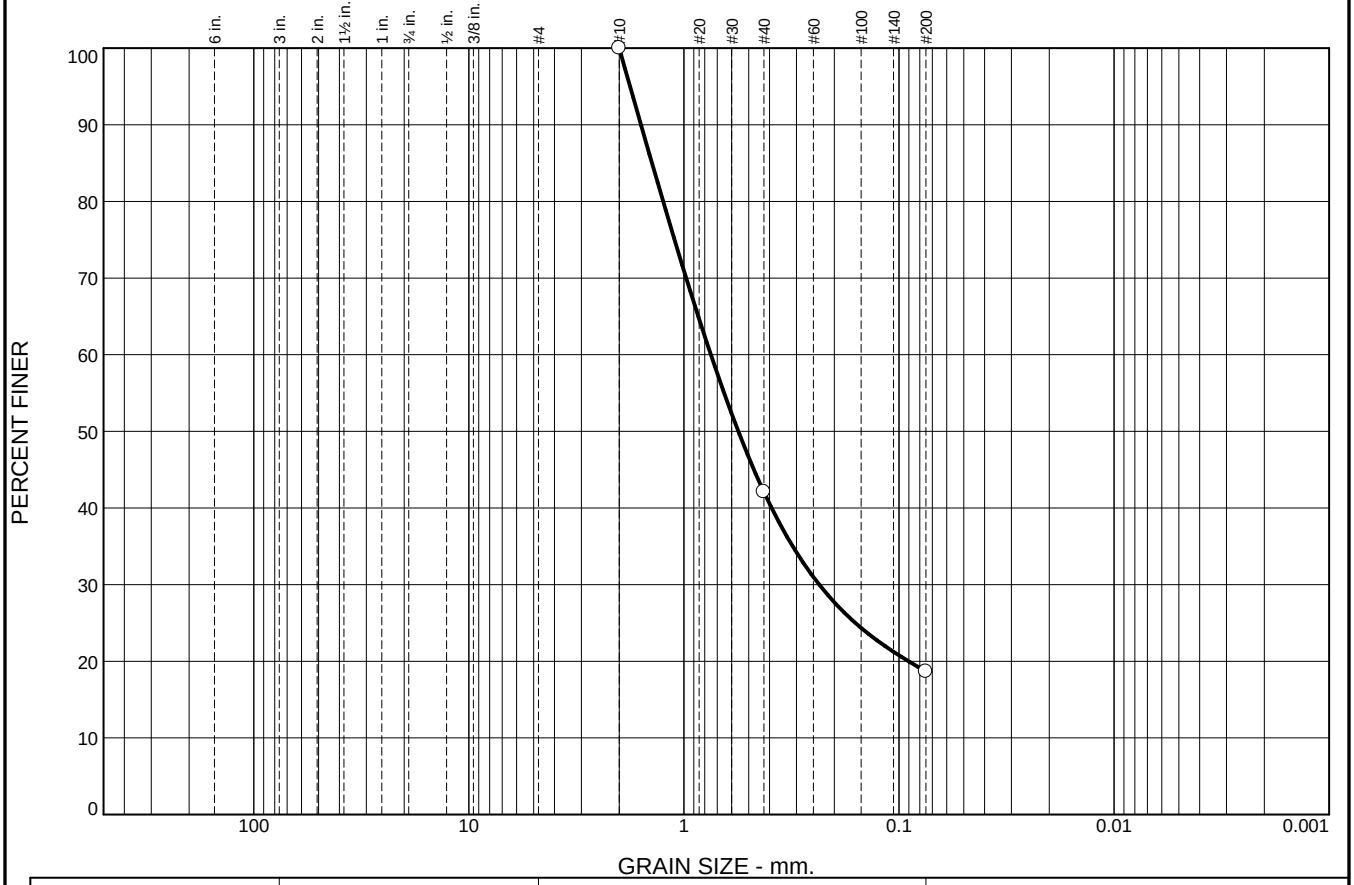
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 18

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	57.9	23.4	18.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.4079	0.7496	0.5586	0.2349				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-121 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

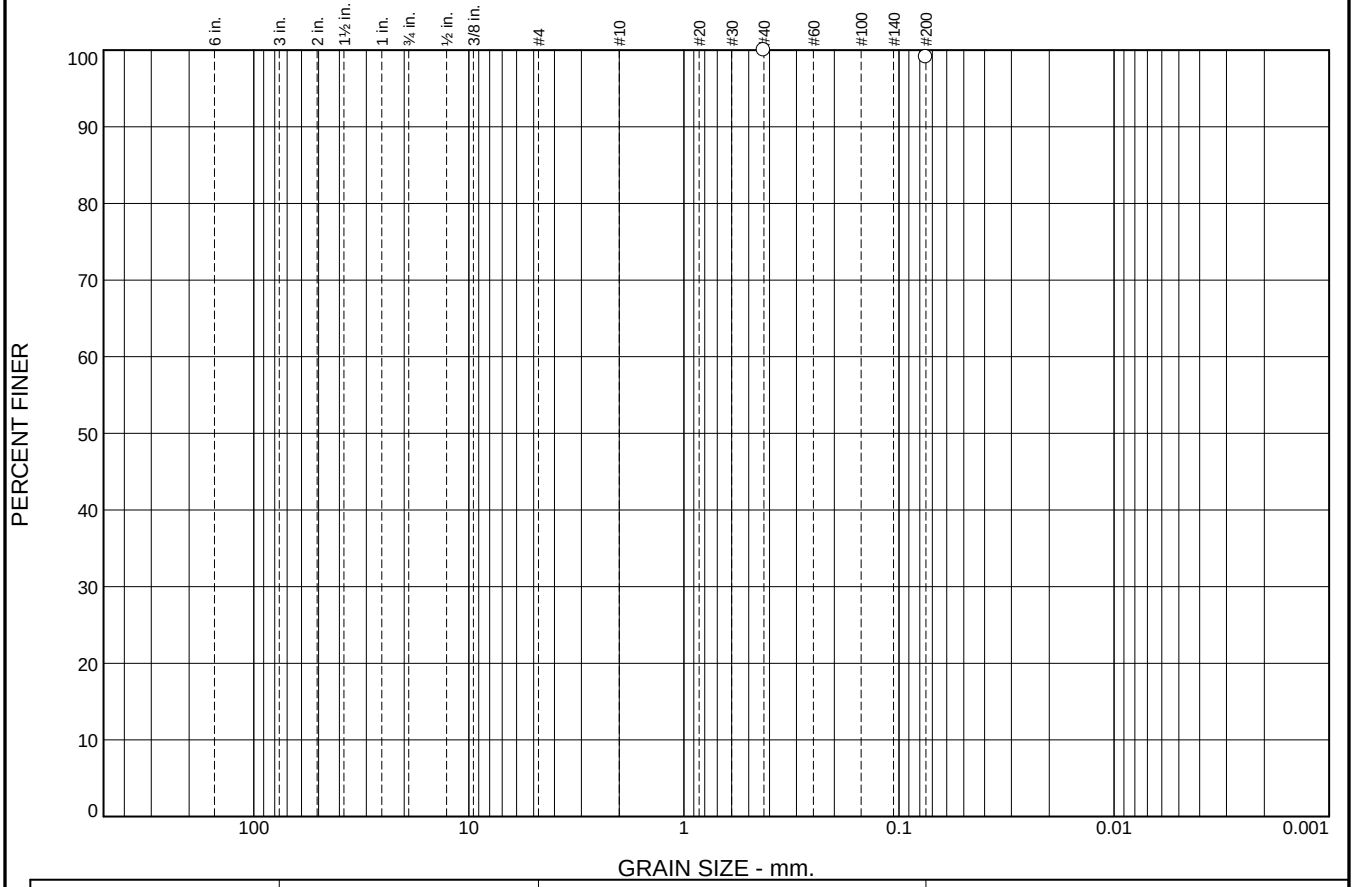
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 19

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.9	99.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-121 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 20

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	4.8	7.5	27.2	46.3	14.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.6228	0.4159	0.2752	0.1307	0.0771			

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-122 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

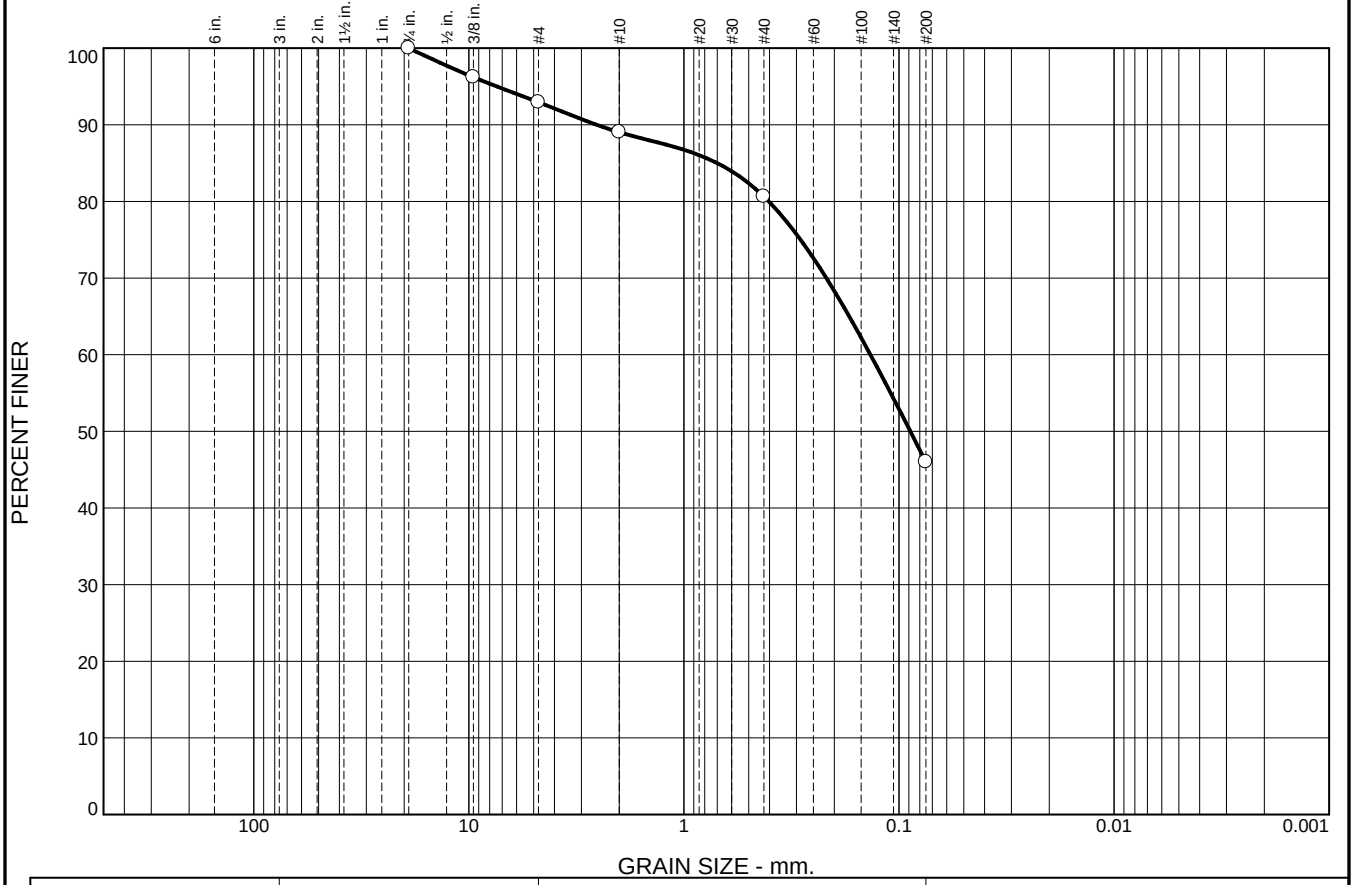
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 21

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	7.0	4.0	8.4	34.6	46.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.7007	0.1358	0.0886					

Material Description	USCS	AASHTO
○ BROWN TO BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-122 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 22

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	2.4	9.4	4.1	18.0	62.0	4.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				2.4374	0.3357	0.2428	0.1409	0.0974	0.0864	0.68	3.88

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANICS	SP	

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-123 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 23

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	7.5	6.2	17.8	40.2	28.3	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.7259	0.2734	0.1758	0.0800				

Material Description	USCS	AASHTO
○ BROWN TO BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-124 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 24

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	5.4	20.4	7.9	10.6	25.5	30.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				10.5505	0.7228	0.2622					

Material Description	USCS	AASHTO
○ BROWN SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-124 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

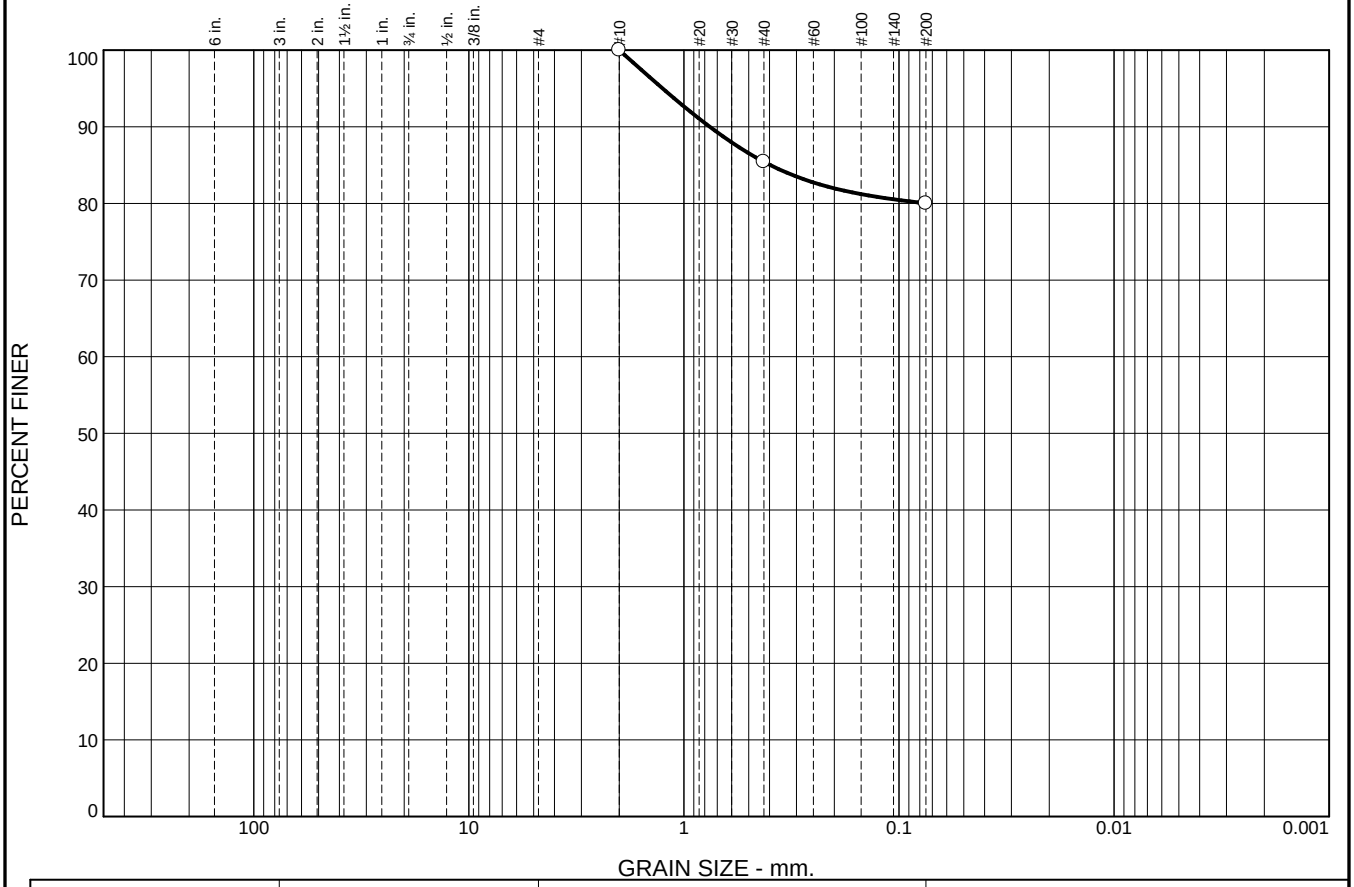
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 25

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	14.6	5.4	80.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.3967							

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT WITH SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-125 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

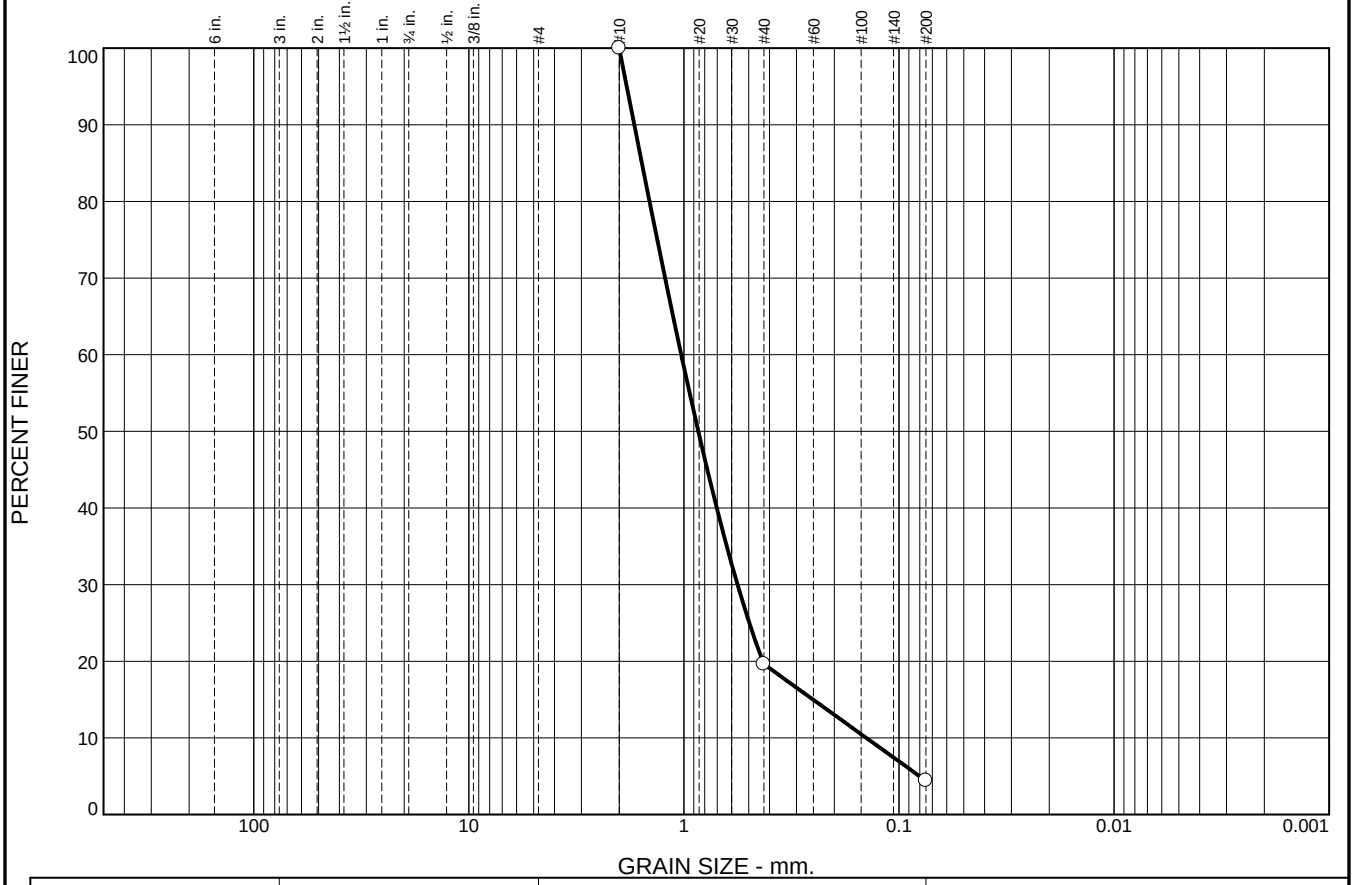
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 26

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	80.4	15.2	4.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.5691	1.0290	0.8573	0.5635	0.2509	0.1419	2.18	7.25

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANICS	SW	

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-125 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 27

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	8.1	5.5	28.0	31.3	27.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.7837	0.4592	0.2750	0.0888				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-126 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 28

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	12.5	7.0	26.7	18.9	0.4	34.5	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				8.4103	2.4371	1.7327					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-126 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

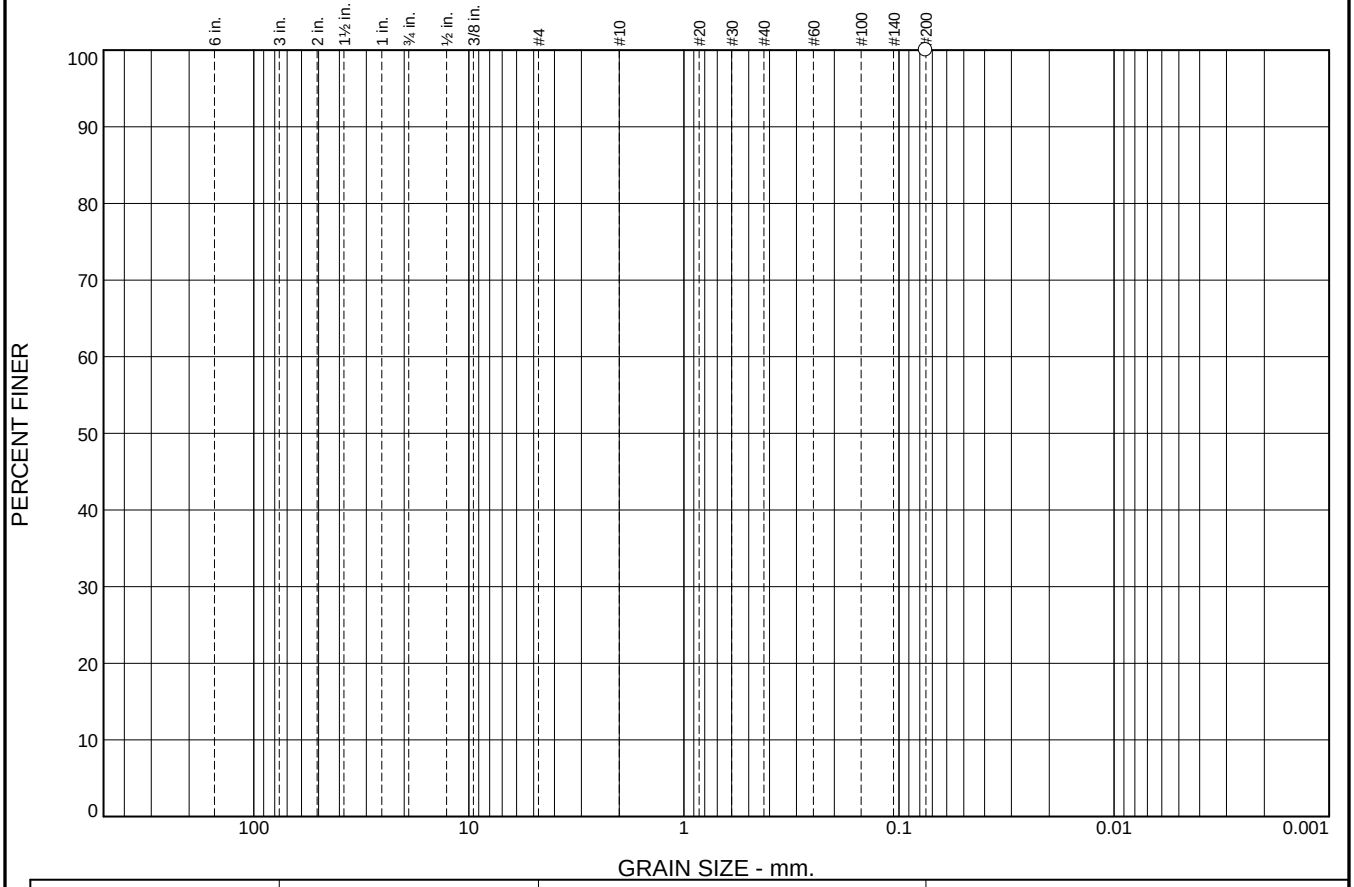
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 29

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○											

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-127 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 30

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.7	7.0	26.5	19.0	45.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.3195	0.3047	0.1211					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-127 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

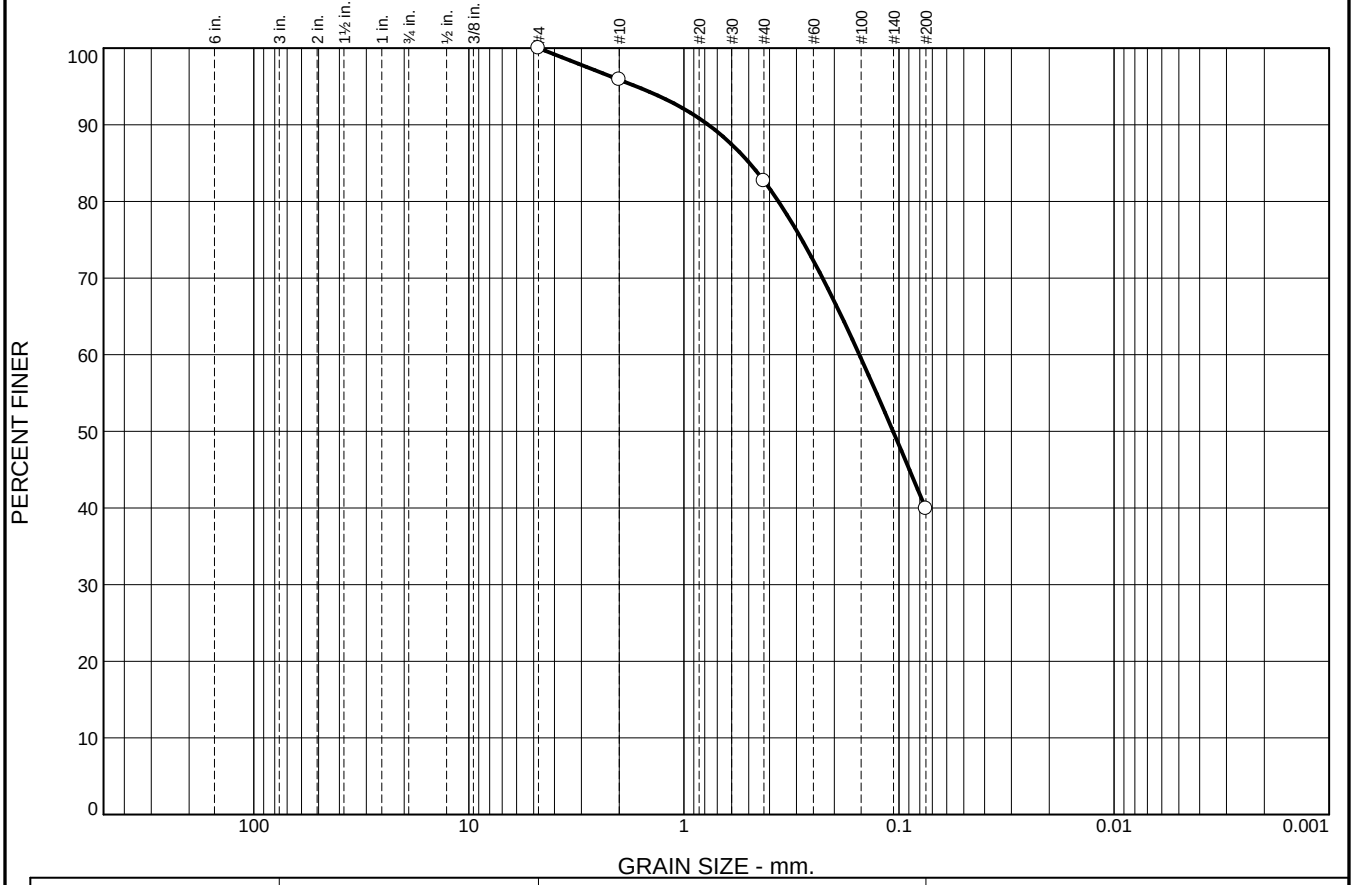
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 31

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	4.1	13.2	42.8	39.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.4956	0.1529	0.1065					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-128 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 32

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.5	2.3	21.6	75.6	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1399							

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT WITH SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-128 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

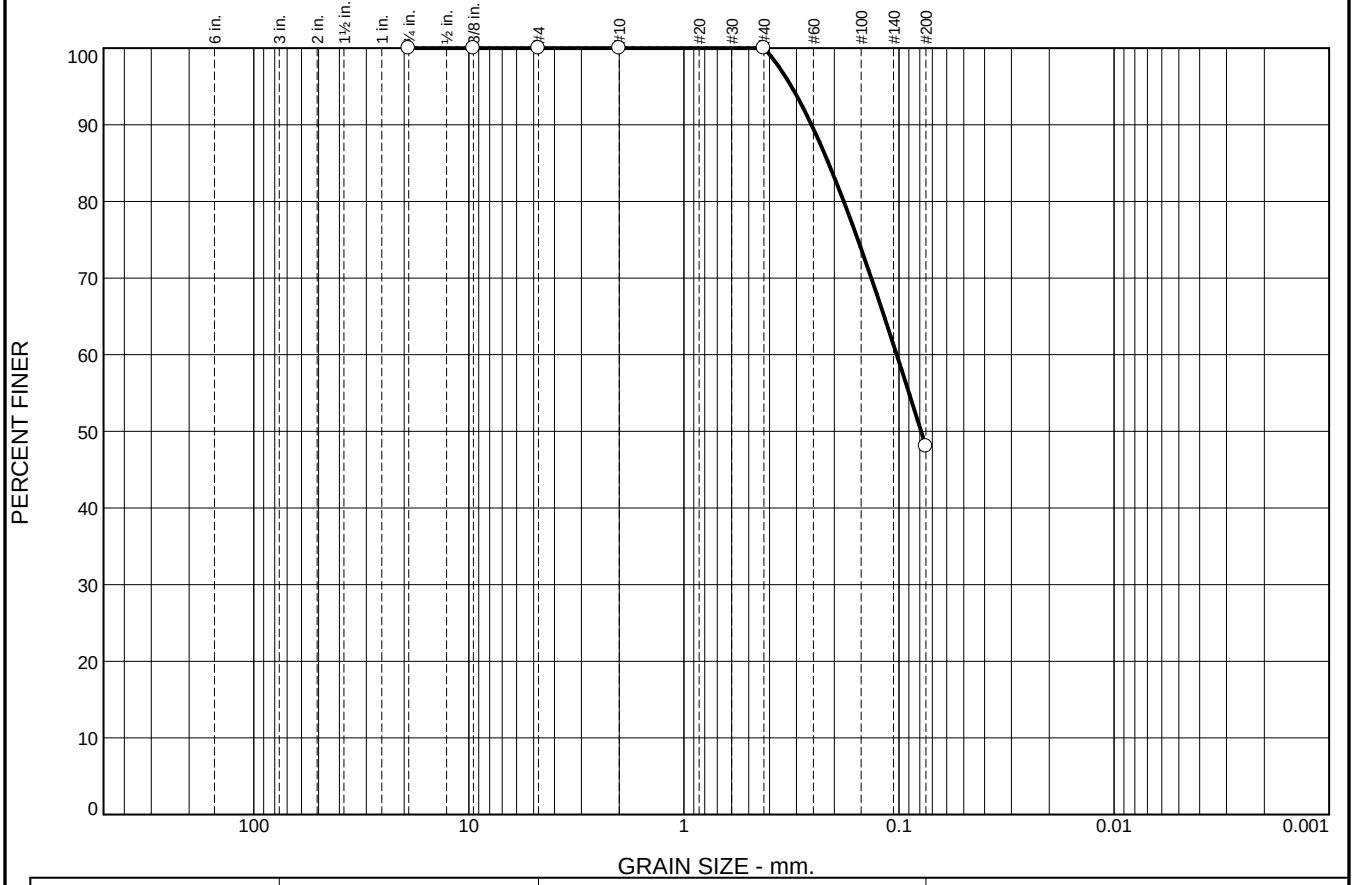
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 33

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	51.9	48.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.2127	0.1025	0.0789					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-129 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 34

Tested By: CWZ 06/29/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	6.5	11.4	26.8	38.6	16.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				2.4107	0.5435	0.3280	0.1327				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-129 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 35

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	18.9	20.2	30.8	23.2	6.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.6399	1.9252	1.2202	0.4223	0.1462	0.0970	0.95	19.84

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANIC SILT AND GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-130 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

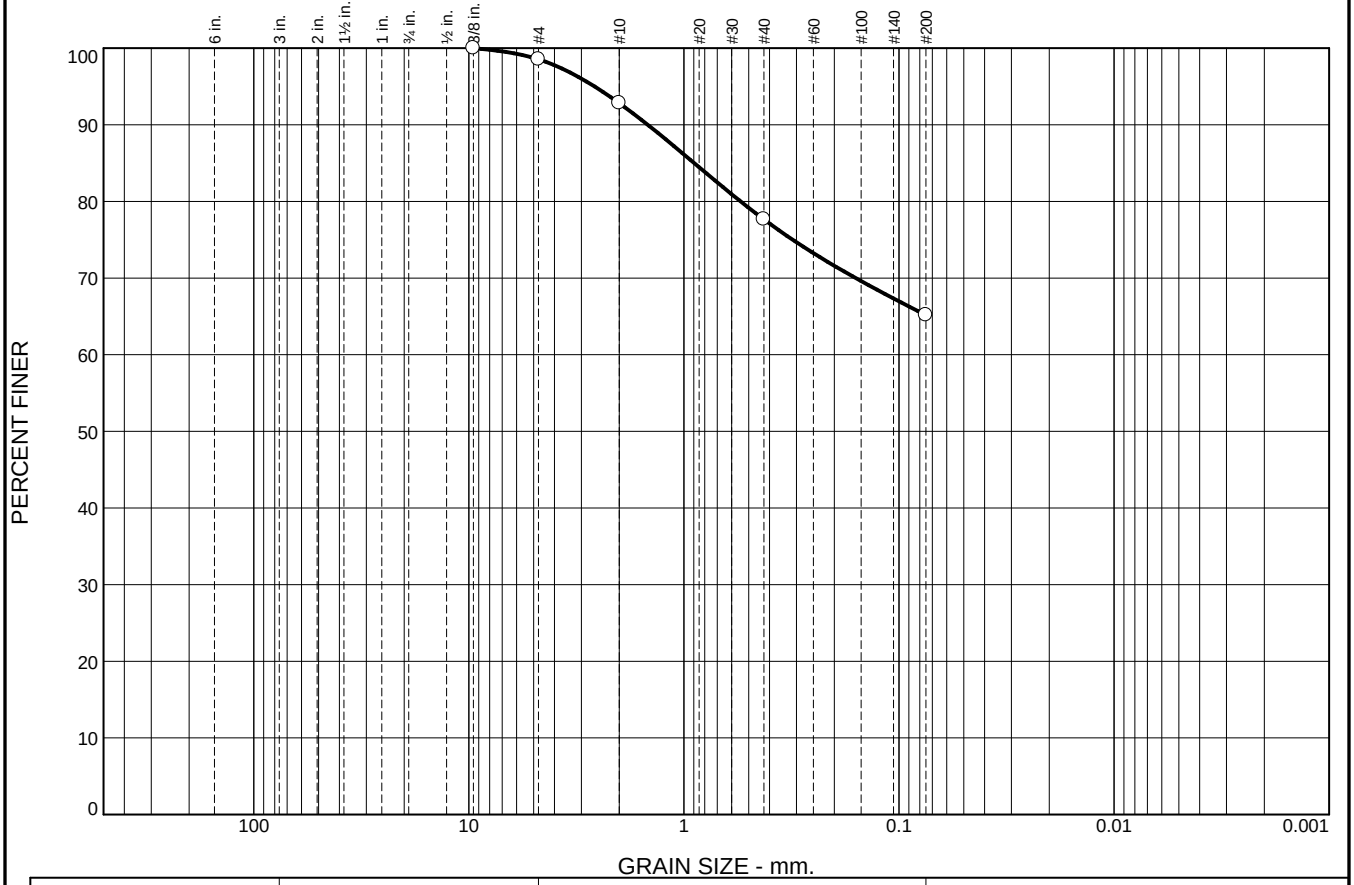
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 36

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.5	5.7	15.1	12.5	65.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.8956							

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-130 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 37

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	3.0	12.5	5.5	13.8	55.3	9.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				5.0688	0.3353	0.2323	0.1281	0.0858	0.0752	0.65	4.46

Material Description	USCS	AASHTO
○ BROWN SAND WITH SILT AND GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-131 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 38

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	6.5	21.3	5.2	10.8	45.5	10.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				12.9007	0.5706	0.3033	0.1400	0.0859			

Material Description	USCS	AASHTO
○ BROWN SAND WITH SILT AND GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-131 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

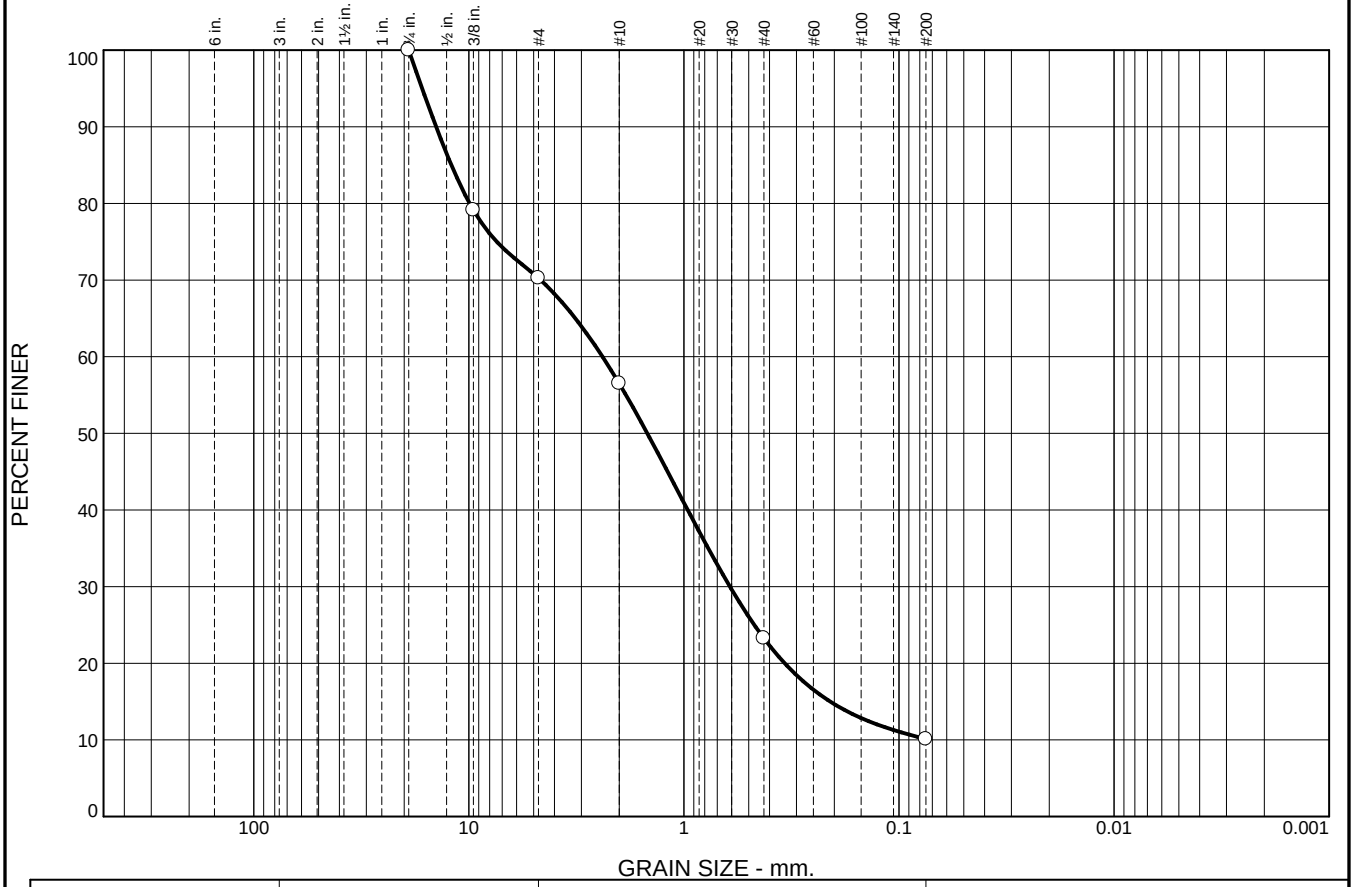
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 39

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	29.7	13.8	33.2	13.2	10.1	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				12.0570	2.3914	1.4806	0.6110	0.2089			

Material Description	USCS	AASHTO
○ BLACK SAND WITH ORGANIC SILT & GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-132 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 40

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	14.5	4.9	18.1	43.8	18.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				4.2915	0.3742	0.2384	0.1118				

Material Description	USCS	AASHTO
○ DARK BROWN SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-132 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 41

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	8.5	32.2	31.0	28.3	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.3627	0.4386	0.2681	0.0833				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-133 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 42

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	1.1	4.0	15.1	27.6	52.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.6512	0.1181						

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-133 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

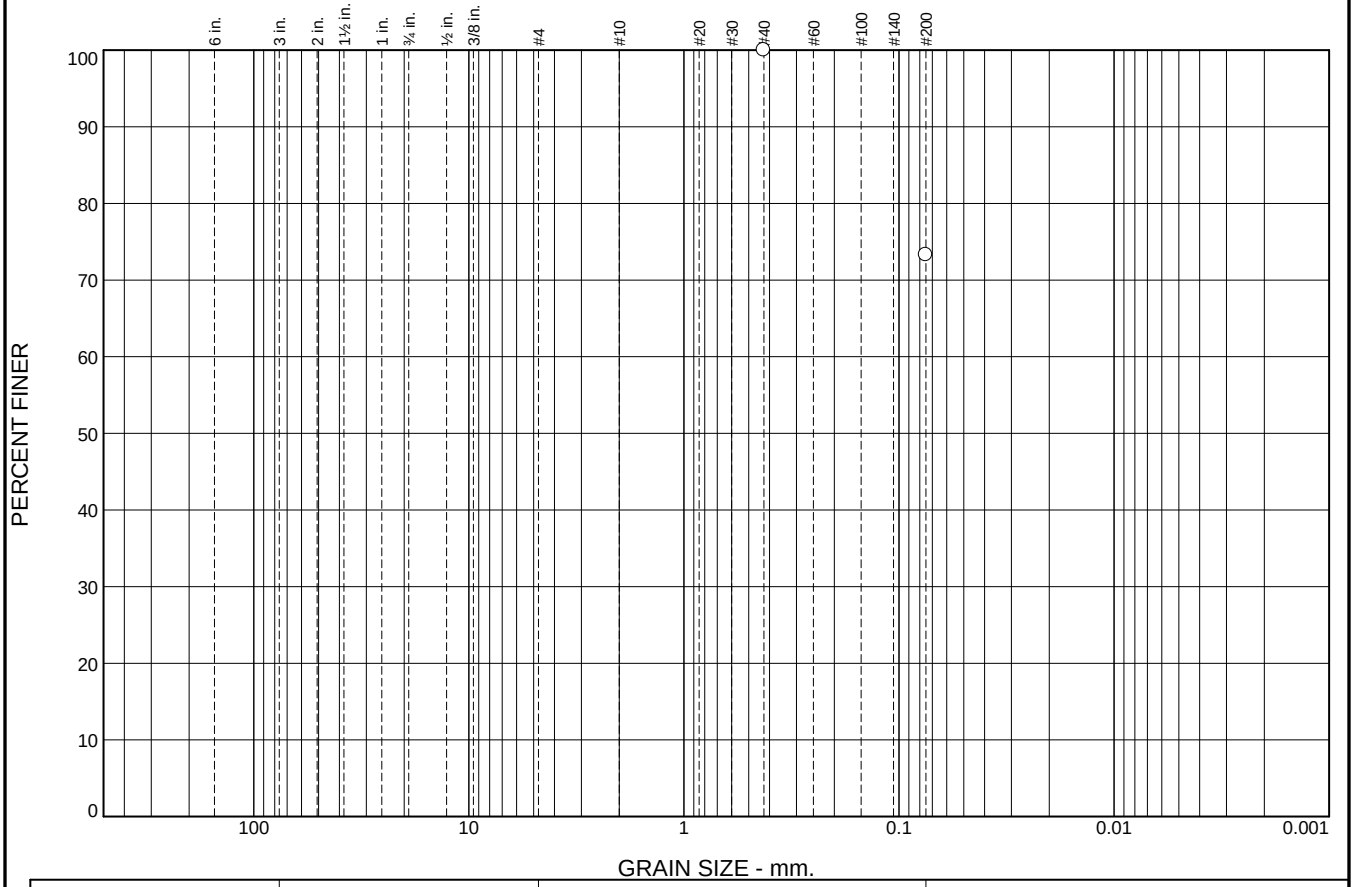
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 43

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	26.7	73.3	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.1605							

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-134 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 44

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	16.5	43.6	39.9	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.4604	0.1549	0.1074					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-134 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

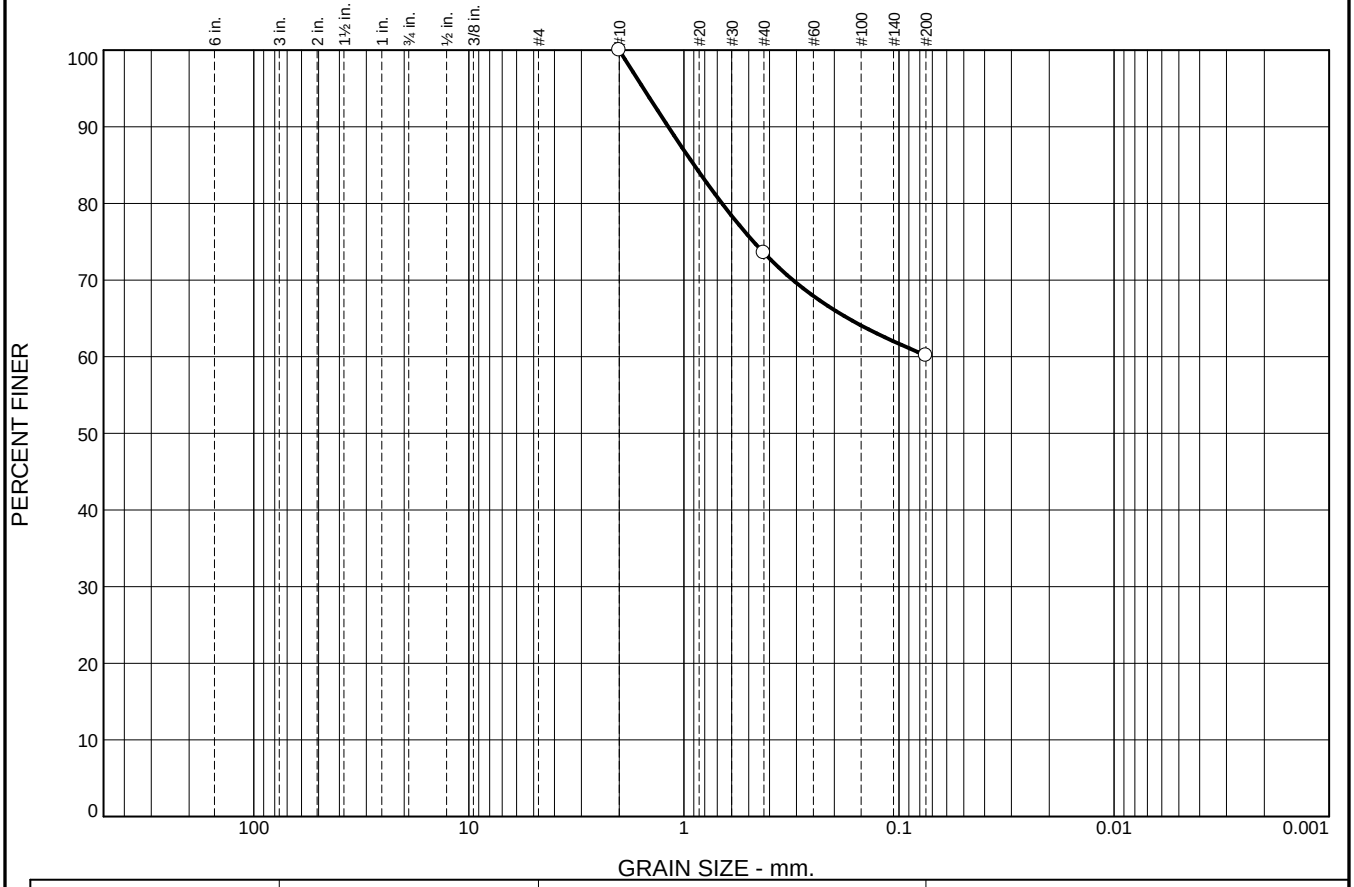
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 45

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	26.4	13.4	60.2	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.8962							

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-135 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 46

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	28.9	7.9	17.7	25.7	19.8	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				12.1669	1.4735	0.6081	0.1448				

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-135 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

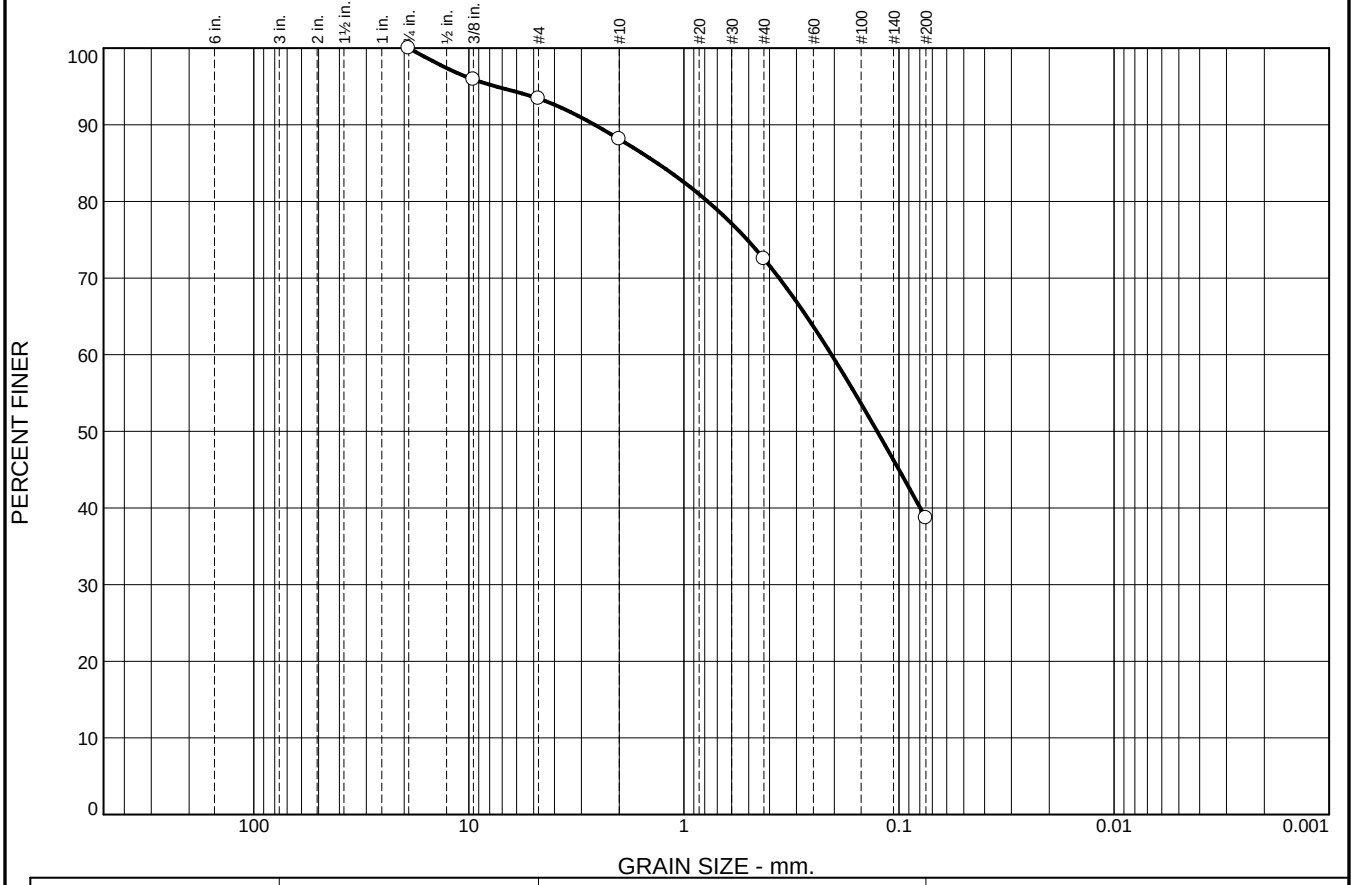
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 47

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	6.6	5.3	15.6	33.8	38.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.3319	0.2060	0.1263					

Material Description	USCS	AASHTO
○ BROWN ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-136 **Depth:** 0.0-6.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 48

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	12.1	10.0	5.6	16.9	21.4	34.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				12.5556	0.6120	0.2757					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND WITH GRAVEL		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-136 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 49

Tested By: CWZ 06/29/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	8.3	5.7	23.9	25.7	36.4	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.8309	0.3751	0.1959					

Material Description	USCS	AASHTO
○ BLACK ORGANIC SILTY SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-137 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 50

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report

	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	6.9	22.7	18.7	51.7	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				1.0888	0.1792						

Material Description	USCS	AASHTO
○ BLACK SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-137 **Depth:** 6.0-12.0 IN.

Date: ○

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Mt. Laurel, NJ

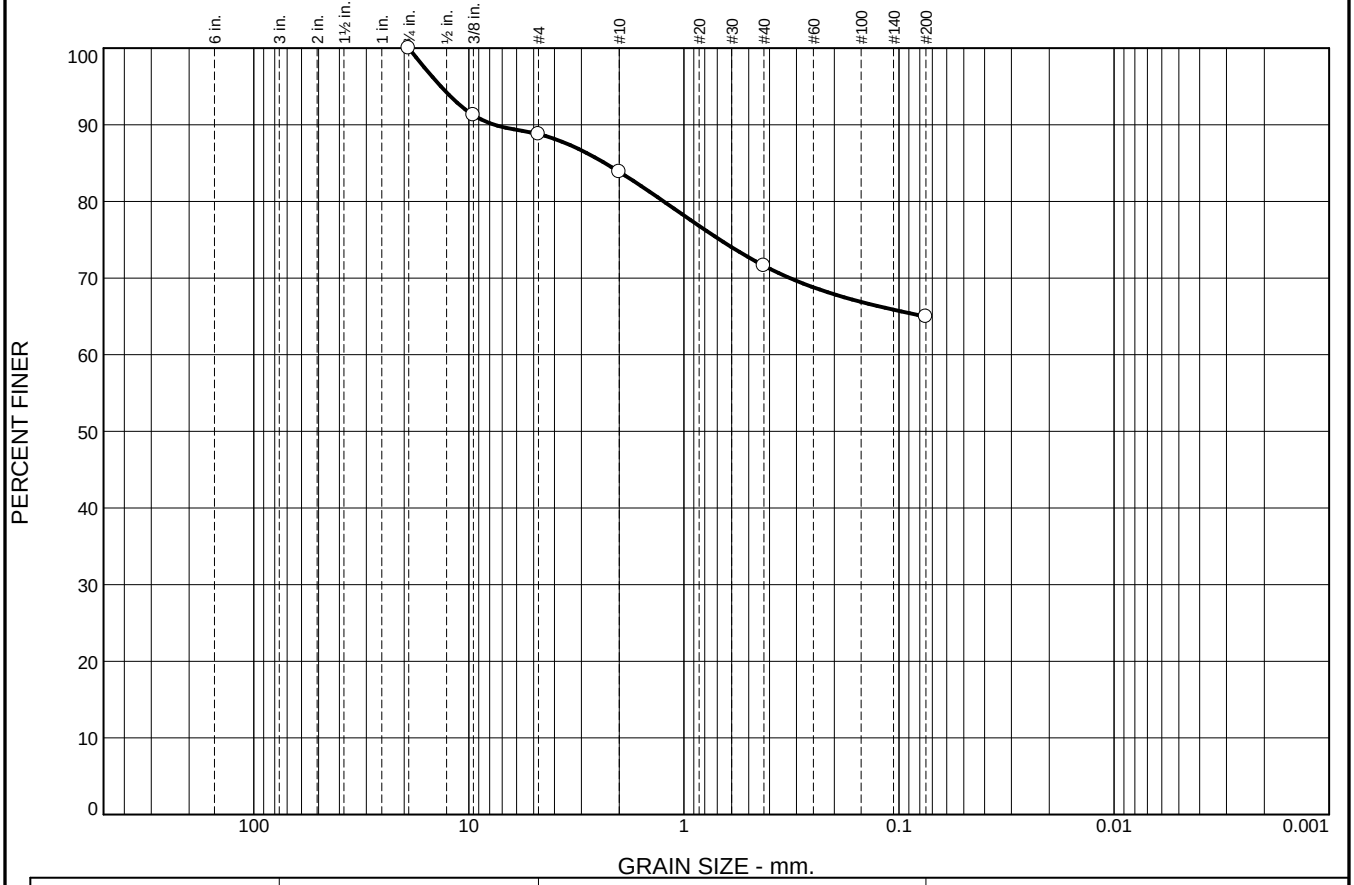
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 51

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	11.2	4.9	12.3	6.6	65.0	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				2.3309							

Material Description	USCS	AASHTO
○ DARK BROWN SANDY ORGANIC SILT		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-138 **Depth:** 0.0-6.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

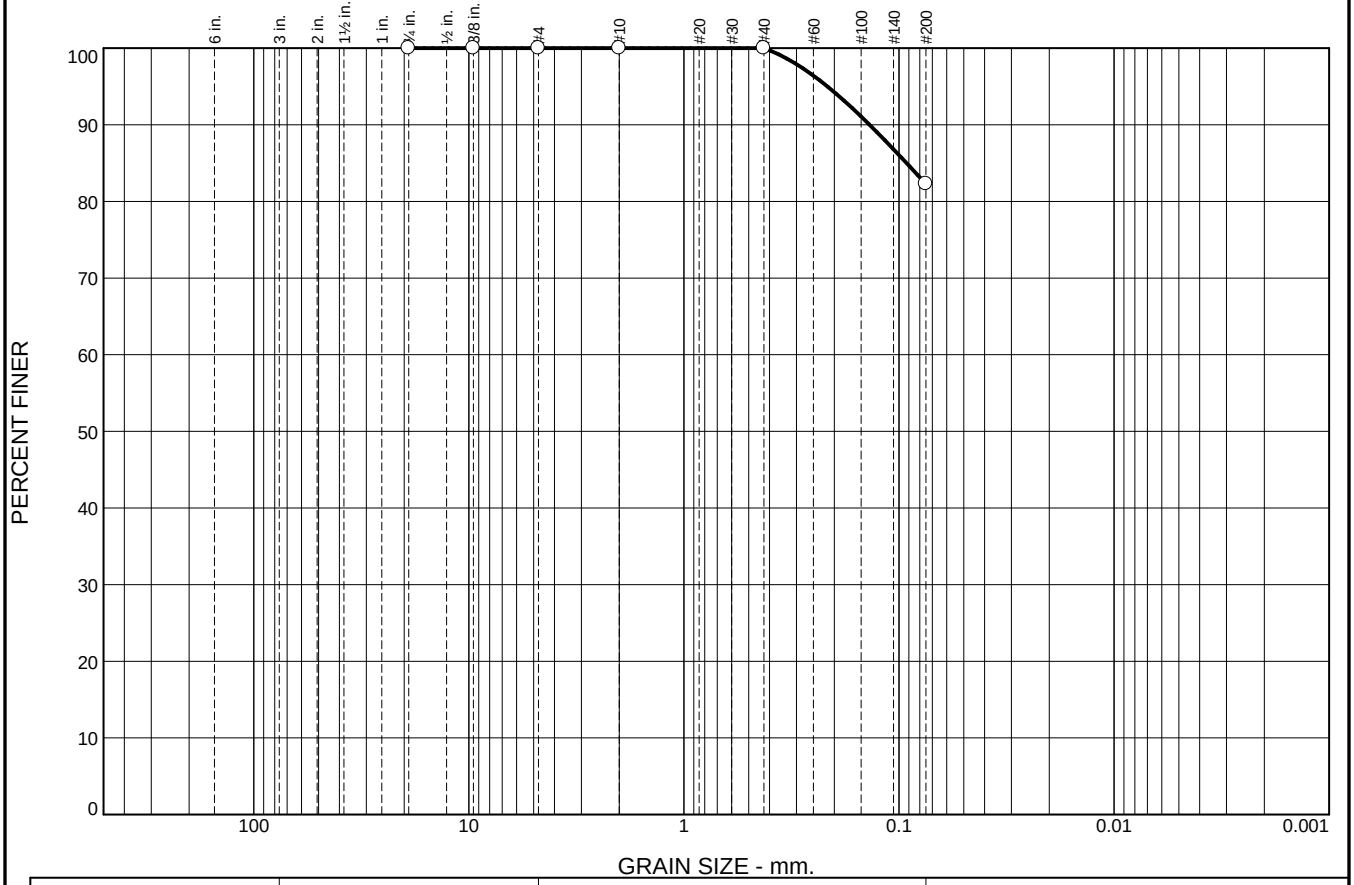
Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 52

Tested By: CWZ 07/01/21 **Checked By:** IA 07/08/21

Particle Size Distribution Report



	% +3"	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.0	0.0	0.0	17.7	82.3	

	Colloids	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○				0.0922							

Material Description	USCS	AASHTO
○ DARK BROWN TO BLACK ORGANIC SILT WITH SAND		

Project No. 394401 **Client:** NYSDEC

Project: D009812-08 BRILLO LANDFILL

○ **Source of Sample:** BLF-SE-138 **Depth:** 6.0-12.0 IN.

Date: ○

TRC Engineers, Inc.

Mt. Laurel, NJ

Remarks:

○SEE NOTE ON SUMMARY TABLE

Figure 53

Tested By: CWZ 06/29/21 **Checked By:** IA 07/08/21