2023 Annual Post-Closure Monitoring Report

Town of Clay Landfill
Oak Orchard Road
Town of Clay, Onondaga County, New York
Site #734034

Prepared for:

Town of Clay
4401 Route 31
Clay, New York 13041

Prepared by:

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SECTION 1
INTRODUCTION/BACKGROUND

1.1 SITE DESCRIPTION

The Town of Clay Landfill is located along Oak Orchard Road, in the northern section of the Town of Clay, New York, approximately 1,300 feet east of the intersection of Oak Orchard Road and Henry Clay Boulevard. Residential properties exist to the immediate north and northwest of the landfill and near the intersection of Oak Orchard Road and Henry Clay Boulevard to the west. The landfill site is almost entirely surrounded by New York State Department of Environmental Conservation (NYSDEC) wetland BRE-9 with a number of surface water streams which flow in the vicinity of the landfill. The Oneida River, which flows in a westerly direction past the landfill, is listed as a NYSDEC Class B water body. Shaver Creek is a small stream, which flows northerly along the western site property boundary and discharges to the Oneida River. A site location map is shown in Figure 1, and a site plan is included in Figure 2.

1.2 SITE HISTORY/BACKGROUND

The Town of Clay Landfill site was operated by the Town as a municipal landfill from approximately 1956 until 1975 when the Onondaga County Solid Waste Disposal Authority (SWDA) began leasing the landfill from the Town of Clay and began accepting both residential and industrial waste. Prior to SWDA's operation of the landfill, the Town of Clay accepted only residential waste. The landfill was ordered closed by the NYSDEC in 1976 and ceased accepting waste in September 1977. The landfill closure was reportedly completed in 1978 at which time the landfill was returned to the Town of Clay. It was discovered in 1986 that industrial wastes containing polychlorinated biphenyls (PCBs) were disposed of in the Town of Clay Landfill during the period that the landfill was operated by SWDA. For this reason, the landfill was then classified by NYSDEC as a Class 2 Hazardous Waste Site (Site No. 734034). In 1990, a Consent Order between the Town of Clay and the NYSDEC was issued committing the Town of Clay to enter into a Remedial Program. Following completion of environmental investigations, a low permeability synthetic cap was constructed over the Town of Clay Landfill in 1996 as approved by NYSDEC. Funding for the remediation program was provided through State grants and cost recovery from the County.

Consistent with the NYSDEC Record of Decision (December 1994), The Town of Clay began quarterly post closure landfill monitoring in 1997. Post-closure landfill monitoring is required for a minimum of 30 years. From 1997 until 2001, the Town of Clay completed quarterly monitoring at the landfill. In 2001, the NYSDEC approved the Town's request to reduce monitoring of the landfill from quarterly to semiannually. In February 2007, the NYSDEC again approved the Town of Clay's request to reduce monitoring at the landfill; this time from semiannual to a fifth quarter monitoring frequency. In addition to fifth quarter monitoring, the Town of Clay continues to complete quarterly landfill inspections and gas monitoring at the site.

1.3 2022 POST-CLOSURE MONITORING PROGRAM REPORTING

This Monitoring Report was prepared for the Town of Clay by C&S Engineers, Inc. and documents the activities and results of Post-Closure monitoring for the Town of Clay Landfill. This report is based upon the analytical results of groundwater and surface water samples collected from the landfill site November 30, 2023. C&S Engineers, Inc., performed the actual collection and analysis of site groundwater and surface water samples. C&S personnel completed landfill inspections and combustible gas monitoring at the landfill gas vents on April 1, 2022, June 27, 2022, August 24, 2022, and December 30, 2022. An interpretation and discussion of the 2023 annual monitoring event results is presented in Section 3.

SECTION 2
METHODOLOGY

This report is based upon the analytical results of groundwater samples collected from groundwater monitoring wells MW-2SR, DGC-3S, MW-4SR, DGC-5, MW-6SR, MW-7S, MW-8S, MW-9S, MW-10SR, MW-11SR, DGC-2D, and DGC-6D, and surface water samples collected from surface water sampling locations SW-1 and SW-2 located within nearby Shaver Creek. Figure 2 shows the locations of the monitoring wells and surface water sampling locations.

2.1 SAMPLE COLLECTION

Samples were collected on November 30, 2023. Prior to groundwater sample collection, the monitoring wells were purged of at least three well volumes to replace the stagnant groundwater within each monitoring well with fresh formation water. The static water level of each monitoring well was determined prior to purging activities. The amount of water removed from each well was recorded on the sampling data sheets included in Appendix A. Each of the site monitoring wells was purged and sampled using dedicated polyvinyl chloride (PVC) bailers with polypropylene rope. The surface water samples were collected using dedicated intermediate sampling containers. The collected groundwater and surface water samples were analyzed for baseline parameters as listed within 6 NYCRR Part 360-2.11(c)(6). Also three monitoring wells were agreed upon by the NYSDEC to be sampled for emerging contaminants perfluorinated alkyl substances (PFAS), and 1,4-dioxane.

2.2 ANALYTICAL DATA INTERPRETIVE METHODS

The analytical data generated from the analysis of the groundwater samples collected were compared to applicable NYSDEC Groundwater Quality Standards and Guidance Values (as given in NYSDEC TOGS 1.1.1, June 2004). Consistent with the results of previous investigations and the general topography of the area, monitoring wells MW-2SR, DGC-3S, MW-4SR, DGC-5, MW-6SR, MW-7S, MW-8S, MW-9S, MW-10SR, MW-11SR, DGC-2D, DGC-3D, and DGC-6D are located at peripheral locations immediately outside the landfill waste mass, and as such exist as downgradient shallow and deep groundwater monitoring locations. A limited comparison of the recent monitoring results with data from previous studies was completed in an effort to assess landfill leachate influences.

2.3 LANDFILL RECONNAISSANCE AND COMBUSTIBLE GAS FIELD SURVEY

A landfill reconnaissance and combustible gas survey (landfill gas vents as well as perimeter monitoring) was completed at the site on a quarterly basis. A total of 22 gas vents are incorporated into the gas venting trench system across the landfill. Perimeter monitoring was completed at four

locations along the access road surrounding the landfill. The gases released from each gas vent as well as perimeter gas monitoring were field screened utilizing a multi-gas monitor and a MiniRAE Photo Ionization Detector (PID). Combustible gas measurements were completed for parameters including percent lower explosive limit (%LEL), carbon monoxide (CO), and hydrogen sulfide (H_2S), while total volatile organic vapor concentrations were measured at each vent using the PID. The locations of the landfill gas vents are shown on Figure 2.

SECTION 3
RESULTS AND DISCUSSION

3.1 GROUNDWATER QUALITY MONITORING

The environmental monitoring program for the Town of Clay Landfill utilizes a series of groundwater monitoring wells installed near the perimeter of the landfill waste limits. The wells were previously installed to monitor two different geologic units: the first saturated unit (shallow groundwater) and deeper groundwater existing below a semi-impermeable silty clay layer. A summary of the monitoring well construction details is presented in Table 1.

Water depths in each of the monitoring wells were measured prior to the completion of well evacuation. The depths were determined by measuring the distance from the top of the PVC riser pipe to the water in the pipe. The groundwater elevations were then determined by subtracting the initial water depths from the surveyed elevation of the top of the corresponding PVC riser pipe and entered into the historical water level database presented in Table 2. Piezometer PZ-1 is used to monitor the water level within the waste mass. Based on historical water elevations taken at piezometer PZ-1, it appears that the water level elevations within the waste mass have stabilized. This is most likely the result of landfill capping which has limited the volume of infiltrating precipitation and runoff waters to the waste mass.

The analytical results of samples collected from the groundwater monitoring wells are summarized in Table 3. The analytical reports, chain-of-custody documentation, and sample characterization sheets submitted by the contracted laboratory for each groundwater sample are included in Appendix A. The results of groundwater sample analyses were compared to NYSDEC Class GA groundwater standards and guidance values. Parameters that were detected at concentrations above standards or guidance values are shown in Table 3 with a shaded box around the value.

Consistent with the results of previous post-closure monitoring, the results indicate that the groundwater near the landfill is characterized by elevated pH and elevated concentrations of ammonia, chloride, color, phenolics, and total dissolved solids (TDS) benzene and chlorobenzene. Inorganic and metal parameters that were not detected above method detection limits within any of the monitoring wells sampled included: cyanide, hexavalent chromium, bromide, mercury, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium, silver, sodium, thallium, and zinc.

As shown in Table 3, volatile organic compounds (VOCs) were not detected above method detection limits (MDLs) in the majority of the collected groundwater samples. As shown in Table

3 and summarized below, only MW-9S out of the thirteen wells sampled showed VOCs above MDLs.

VOCs Detected above MDLs

Parameter	Class GA Standard	MW-8S
Benzene	1	14
Chlorobenzene	5	64

Note: Shading denotes parameters detected above standards or guidance values. All units are ppb.

Historical groundwater analytical results are included in Tables 5 (inorganic and metal parameters) and 7 (volatile organic compounds).

Table 10 has a summary of the emerging contaminants detected for PFAS and 1,4 dioxane. MW-2SR and MW-4SR had elevated 1,4 dioxane levels above the USEPA Guidance Value.

3.2 SURFACE WATER ANALYTICAL RESULTS

Surface water sample SW-1 was collected from an upstream location within Shaver Creek. Surface water sample SW-2 was collected from a downstream location within Shaver Creek. The analytical report, sample characterization sheets, and chain-of-custody documentation submitted by the contract laboratory for the surface water sample collected are included in Appendix A. The analytical results for the surface water sample collected was compared to NYSDEC Class C ambient surface water quality standards and are summarized within Table 4. As shown in Table 4, the surface water sample collected from surface monitoring locations SW-1 and SW-2 exceeded the Class C surface water standard for iron and selenium. Parameters that were not detected above method detection limits in samples collected from surface water sampling locations during this monitoring event include: volatile organic compounds, biochemical oxygen demand (BOD), nitrate, phenols, sulfate, cyanide, hexavalent chromium, antimony, arsenic, beryllium, cadmium, chromium, cobalt, copper, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.

Historical surface water analytical results are included in Tables 6 and 8 and indicate that surface water near the landfill is characterized by elevated concentrations of iron and occasional to rare exceedances of aluminum, iron, and selenium.

3.4 QA/QC

The primary purpose of laboratory blanks is to trace sources of artificially introduced contamination. An equipment blank consists of a sample of analyte-free media which has been used to rinse the sampling equipment. It is collected after completion of decontamination and prior to sampling. This blank is useful in documenting adequate decontamination of sampling

equipment. Since each of the site monitoring wells was purged and sampled by means of dedicated sampling equipment, an equipment blank was not prepared as part of this monitoring event.

A trip blank consists of a sample of analyte-free media taken from the laboratory to the sampling site and returned to the laboratory unopened. A trip blank is used to document contamination attributable to shipping and field handling procedures. This type of blank is useful in documenting contamination of volatile organics samples.

A matrix spike (MS) and matrix spike duplicate (MSD) are two separate aliquots of sample spiked with a known concentration of target analytes in order to establish the applicability of the overall analytical approach (e.g., preparative, cleanup, and determinative methods) to the specific sample matrix from the site of interest (i.e. the landfill). The spiking occurs prior to sampling and analysis. As part of this annual monitoring event, one MS and one MSD was prepared for the water matrix (MW-6D). Matrix precision is evaluated from comparison of the found concentrations of the MS and MSD. Based on review of attached laboratory report, matrix spike recoveries and duplicate sample results were generally within acceptable limits.

3.5 LANDFILL RECONNAISSANCE

The landfill inspection and combustible gas monitoring reports are attached as Appendix B. A summary of the quarterly landfill gas monitoring results are included in Table 9.

3.6 RECOMMENDATIONS/CONCLUSIONS

Vector holes noted on landfill inspection reports should be filled with the appropriate fill and cover material and sumac growing over the landfill and in the berms should be removed to protect the integrity of the landfill liner. In addition, all vines and trees growing on and around the fence need to be removed to protect the integrity of the fence. Following the quarterly landfill inspections, the Town of Clay Highway Superintendent is made aware of any deficiencies that need to be addressed prior to the next quarterly inspections.

In general, the results of the 2023 monitoring event were consistent with historical conditions at the landfill.

TOWN OF CLAY LANDFILL

2022 Annual Post-Closure Monitoring Report

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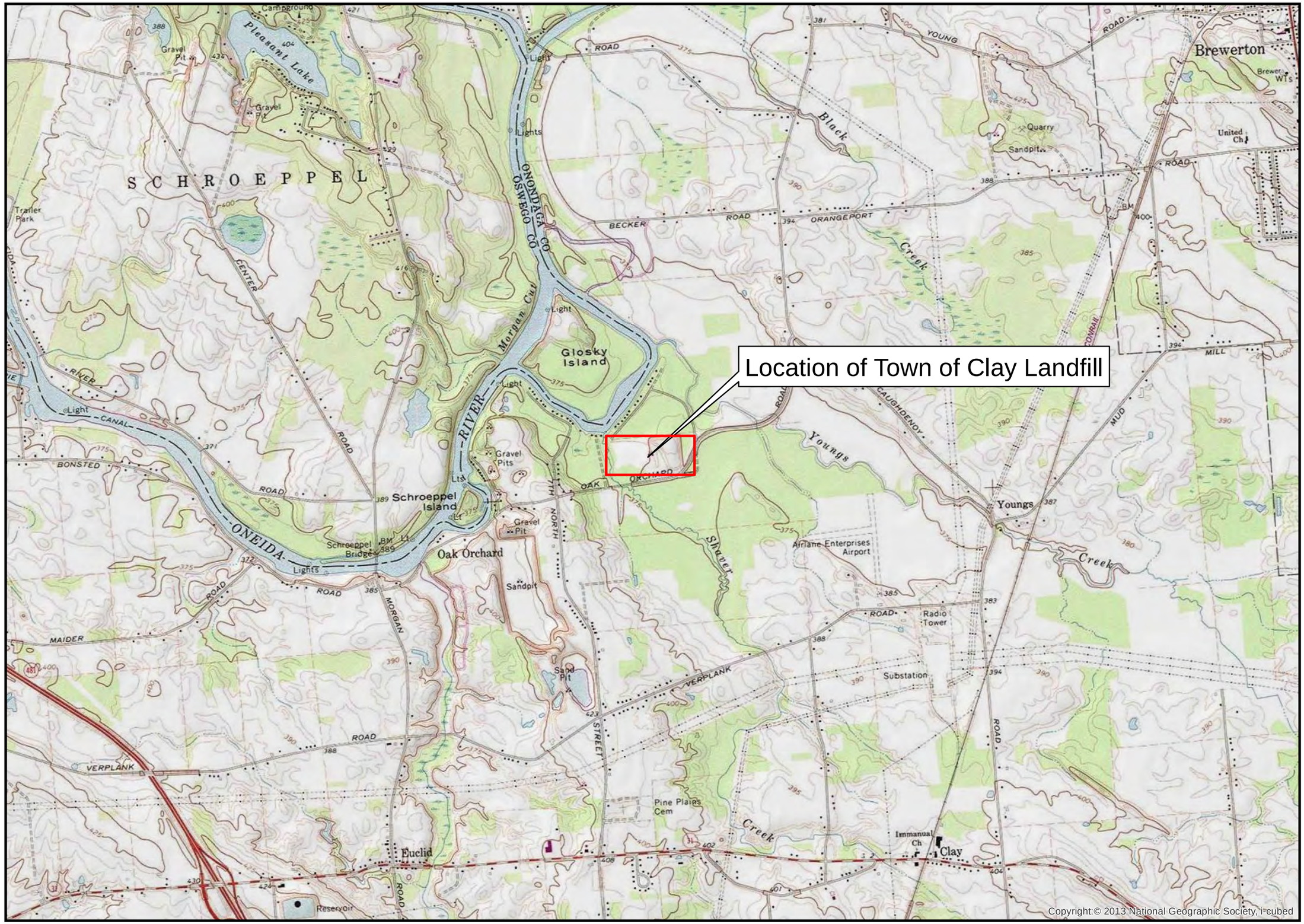

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Feet

Town of Clay Landfill
Town of Clay, Onondaga County, New York

PROJECT NO:	195.767.008
DATE:	September 9, 2015
SCALE:	AS SHOWN
DRAWN BY:	WNR
DESIGNED BY:	WNR
CHECKED BY:	CC

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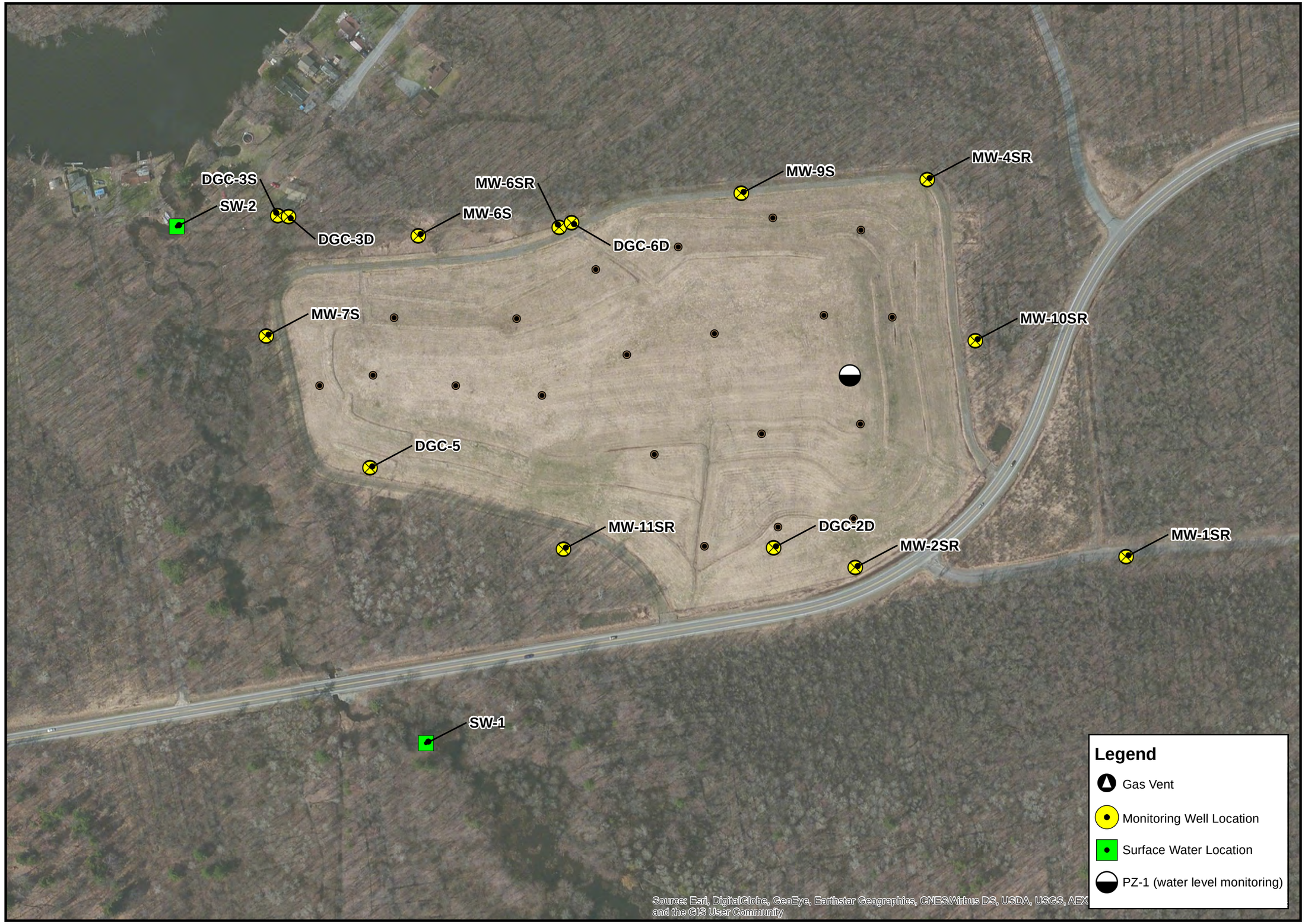
Site Location Map

FIGURE 1



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Environmental Monitoring Site Plan

FIGURE 2

TABLES

TABLE 1. MONITORING WELL CONSTRUCTION DATA

Monitoring Well	Top of PVC Elevation	Depth To Well Bottom	Screen Interval
Shallow Monitoring Wells	**(feet)**	**(feet)**	**(feet)**
MW-1SR	367.42	17	6.0-16.0
MW-2SR*	375.9	15	5.0-15.0
DGC-3S	369.42	15	5.0-15.0
MW-4SR*	380.8	16	5.0-15.0
DGC-5*	378.6	15	5.0-15.0
MW-6SR*	372.7	16	5.0-15.0
MW-7S*	375.5	16	5.0-15.0
MW-8S	370.51	16	5.0-15.0
MW-9S*	382.7	16	10.0-15.0
MW-10SR*	374.5	16	5.0-15.0
MW-11SR*	374.2	11	5.0-15.0
Deep Monitoring Wells			
DGC-2D*	384.4	52	42.0-52.0
DGC-3D	369.98	43	33.0-43.0
DGC-6D*	373.7	37	27.0-37.0

Notes: (*) Replacement Wells; Elevations based on existing wells.

TABLE 1 - MONITORING WELL CONSTRUCTION DATA

Monitoring Well	Installation Date	Well Depth	Screen Length	Ground Elevation	Top of Casing	Top of PVC Riser	Unit Screened
Existing Landfill							
PZ-1A	n/a	n/a	n/a	n/a	n/a	***385.28***	n/a
PZ-4	7/15/83	60	10	n/a	387.36	***382.34***	Sand/Gravel
PZ-11	n/a	n/a	n/a	n/a	n/a	***390.41***	n/a
MW-3B	n/a	n/a	n/a	n/a	n/a	***386.43***	n/a
MW-207 SA	n/a	n/a	n/a	n/a	389.49	***389.74***	Sand/Gravel
MW-207 D	8/21/87	59	10	n/a	385.45	***390.92***	Sand/Gravel
MW-220	8/6/87	30	10	n/a	378.90	***378.94***	Sand/Gravel
MW-221 S	7/10/87	25	10	378.03	381.11	***381.44***	Sand/Gravel
MW-221 D	8/4/87	54	10	378.25	380.87	***381.29***	Bedrock
MW-222	8/31/87	32	10	n/a	382.29	***382.49***	Sand/Gravel
MW-223S	9/3/1987	66.2	2	n/a	388.95	***389.25***	Sand/Gravel
MW-223D	8/19/1987	88.5	7	n/a	389.15	***389.36***	Sand/Gravel
Former Landfill Expansion Area							
MW-230 S	8/16/89	68.6	5	382.91	385.33	***385.60***	Sand/Gravel
MW-230 D	8/30/89	139.5	5	383.07	385.35	***385.51***	Bedrock
MW-232S	8/31/1989	25.5	10	385.81	388.43	***388.64***	Sand/Gravel
MW-233S	10/18/1990	19	10	387.34	389.15	***389.29***	Sand/Gravel
MW-234 S	8/29/89	41.8	8	387.32	390.64	***390.63***	Sand/Gravel
MW-234 D	8/3/89	86	5	387.87	390.04	***390.10***	Bedrock
MW-235S	9/11/1989	44.5	10	385.54	388.00	***388.04***	Sand/Gravel
MW-235D	9/1/1989	83.6	5	385.4	387.37	***393.74***	Bedrock
MW-245 S	10/26/89	47	10	388.16	390.95	***391.13***	Sand/Gravel
MW-245 D	10/25/89	81	5	388.08	390.99	***391.08***	Bedrock
MW-303D	n/a	74.54	n/a	n/a	n/a	***389.83***	n/a
MW-303S	n/a	27.2	n/a	n/a	n/a	***389.85***	n/a
MW-304D	n/a	62.32	n/a	n/a	n/a	***390.08***	n/a
MW-304S	n/a	32.59	n/a	n/a	n/a	***390.92***	n/a
MW304VS	n/a	10.16	n/a	n/a	n/a	***390.72***	n/a

**** - Estimated values***

NOTE: Contains information obtained from previous reports prepared by Wehran-New York, Inc.

Bold & Italics - Monitoring Locations were resurveyed in 2003/2004

TABLE 2 HISTORICAL WATER ELEVATIONS

Date Sampled	MW 1SR	MW 2SR *	DGC 3S	MW 4SR**	DGC 5**	MW 6SR**	MW 7S**	MW 8S	MW 9S**	MW 10SR*	MW 11SR*	DGC 2D**	DGC 3D	DGC 6D**	PZ-1
Top of PVC	**367.42**	**377.9**	**369.42**	**377.63**	**376.28**	**371.15**	**373.2**	**370.51**	**377.45**	**381.03**	**374.32**	**377.37**	**369.98**	**372.9**	**419.17**
5/5/1992	372.54	374.23	366.69	371.32	372.97	367.96	369.64	366.8	370.99	378.13	372.51	371.91	367.52	368.69	
12/12/1992	372.52	373.8	366.22	370.93	372.68	367.55	369.3	366.41	370.05	377.13	372.42				

Date Sampled	MW 1SR	MW 2SR *	DGC 3S	MW 4SR**	DGC 5**	MW 6SR**	MW 7S**	MW 8S	MW 9S**	MW 10SR*	MW 11SR*	DGC 2D**	DGC 3D	DGC 6D**	PZ-1
Top of PVC	**367.42**	**375.9**	**369.42**	**380.8**	**378.6**	**372.7**	**375.5**	**370.51**	**382.7**	**374.5**	**374.2**	**384.4**	**369.98**	**373.7**	**417.9**
9/12	--	371.29	362.67	364.56	365.24	359.83	361.12	357.48	dry	362.38	361.17	363.26	360.7	360.24	376.85
11/13/2014	--	374.08	366.24	370.61	372.16	367.58	369.03	366.27	369.47	371.75	371.95	371.67	348.43	----	376.5
4/15	--	374.44	366.27	371.04	373.39	368.38	370.3	366.51	370.34	372.15	372.39	372.29	368.08	368.91	376.65
6/16/2017	--	373.02	361.97	369.19	370.54	364.91	365.86	364.14	369.02	371.24	369.22	370.98	366.97	367.54	376.31
9/17/2017	--	372.72	361.64	369.38	370.51	366.12	363.33	364.11	368.42	370.34	368.88	370.53	351.83	366.17	376.54
12/18/2019	--	374.30	366.68	370.53	372.25	368.39	369.99	366.99	369.42	372.02	372.50	372.01	367.90	368.53	373.65
4/29/2020	--	373.87	366.66	370.67	373.07	368.41	369.95	366.61	370.02	372.10	372.46	372.33	339.76	368.71	376.65
7/13/2021	--	373.75	366.30	369.99	372.10	368.03	366.98	366.63	369.46	371.48	372.32	371.18	339.41	367.90	376.85
9/29/2022	--	374.02	366.77	368.95	371.88	368.44	368.93	366.91	369.21	371.48	372.60	371.16	342.10	367.92	376.27

Notes: * Monitoring well abandoned and replaced at nearby location as part of final cap construction.

**Top of monitoring well PVC (and casing) raised to accomodate final cap construction.

Monitoring wells were re-surveyed on 09/11/97.

TABLE 3 - TOWN OF CLAY LANDFILL: GROUNDWATER ANALYTICAL DATA 2022

	UNITS	Class GA Standard	Class GA Guidance	MW-2SR	DGC-3S	MW-4SR	DGC-5	MW-6SR	MW-7S	MW-8S
Date Sampled				11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023
Specific Conductivity (field)	mS/cm	-		1.1	0.46	2.2	1.05	1.3	0.92	
Eh (field)	MV	-		6	143	0	-80	80	50	
Field pH	S.U.	**6.5-8.5**		7.5	8	7.2	6.9	7.23	7.2	
Temperature (field)	deg. C	-		17.3	15.6	16.2	14.56	15.5	14.6	
Turbidity (field)	NTU	-		15.1	18.3	121	520	46	25	75
TOC	mg/l	-		4.61	3.01	42.7	4.16	26.6	3.92	4.78
Alkalinity as CaCo3	mg/l	-		400	133	1040	417	573	519	380
Ammonia as N	mg/l	**2**		0.061	0.056	**106**	**2.63**	**24.4**	0.173	0.288
Biological Oxygen Demand	mg/l	-		< 2.0	< 2.0	< 10	< 10	12	< 2.0	< 2.0
Chloride	mg/l	**250**		66	4.6	166	3.37	125	1.31	265
Chemical Oxygen Demand	mg/l	-		11	30	160	44	69	6.2	46
Color	units	**15**		< 5	< 5	**90**	**80**	**17**	< 5.0	**20**
Cyanide	mg/l	**0.2**								
Hexachrome	mg/l	**0.05**		<0.01	0.003	0.003	0.005	0.007	0.008	< 0.01
Nitrate as N	mg/l	**10**		<0.1	0.14	0.033	< 0.1	0.79	0.4	0.041
Total Hardness as CaCo3	mg/l	-		436	526	560	638	506	557	516
Kjeldahl Nitrogen as N	mg/l	-		0.845	0.471	105	3.58	23.9	0.78	1.16
Phenolics, Total	mg/l	**0.001**		< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Solids, Total Dissolved	mg/l	**500**		**560**	**500**	**990**	450	**760**	**580**	**1000**
Sulfate as SO4	mg/l	**250**		8.1	12.1	0.865	11.8	1.19	7.53	22.2
Bromide	mg/l	**2**	2000	0.735	0.299	4.1	0.062	0.716	< 0.05	0.618
Mercury	mg/l	**0.0007**		<0.0002	<0.0002	<0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
Aluminum	mg/l	-		0.11	2.06	2.02	1.85	0.792	0.0218	0.589
Antimony	mg/l	**0.003**		<0.004	0.004	< 0.004	< 0.004	0.00048	0.0006	< 0.004
Arsenic	mg/l	**0.025**		0.0082	0.02458	0.0378	0.0579	0.09635	0.00555	0.169
Barium	mg/l	**1**		0.275	0.2458	0.8449	0.4803	1.509	0.2214	0.3869
Beryllium	mg/l	**0.003**	3000	<0.0005	0.00013	0.00014	0.00013	< 0.0005	< 0.0005	< 0.0005
Boron	mg/l	**1**		0.169	0.0323	1.06	0.0139	0.559	0.0101	0.463
Cadmium	mg/l	**0.005**		0.0011	0.00039	0.00014	0.00006	0.00008	0.0001	0.00012
Calcium	mg/l	-		79.9	146	132	192	98.6	186	87.8
Chromium	mg/l	**0.05**		0.00209	0.00389	0.00653	0.00361	0.00307	0.00122	0.00357
Cobalt	mg/l	-		0.00074	0.00256	0.00917	0.00441	0.00529	< 0.0005	0.00126
Copper	mg/l	**0.2**		0.00888	0.00743	0.00861	0.00586	0.00736	0.00206	0.00267
Iron	mg/l	**0.3**		0.505	5.27	21.7	32.3	7.27	0.674	10.6
Lead	mg/l	**0.025**		0.00042	0.00414	0.01285	0.00312	0.00223	< 0.001	0.00126
Magnesium	mg/l	**35**	35000000	57.5	39.3	56	38.3	63.1	22.4	72
Manganese	mg/l	**0.3**		0.03436	0.4695	0.9224	2.906	0.27	0.02462	0.3658
Nickel	mg/l	**0.1**		0.01533	0.00484	0.02429	0.00792	0.01927	0.00379	0.01116
Potassium	mg/l	-		1.06	1.01	81.5	1.85	30	1.73	1.24
Selenium	mg/l	**0.01**		<0.005	<0.005	<0.005	< 0.005	< 0.005	0.005	< 0.005
Silver	mg/l	**0.05**		<0.0004	<0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Sodium	mg/l	**20**		57	13.6	160	1.48	111	2.12	209
Thallium	mg/l	**0.0005**	500	<0.001	<0.001	<0.001	< 0.001	< 0.001	< 0.001	< 0.001
Vanadium	mg/l	-		<0.005	0.00466	0.00663	0.00569	0.00338	0.00269	0.00183
Zinc	mg/l	**2**	2000000	0.01655	0.0205	0.0601	0.02376	0.01008	0.00482	0.02887

TABLE 3 - TOWN OF CLAY LANDFILL: GROUNDWATER ANALYTICAL DATA 2022

	UNITS	Class GA Standard	Class GA Guidance	MW-2SR	DGC-3S	MW-4SR	DGC-5	MW-6SR	MW-7S	MW-8S
Date Sampled				11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023
Acetone	ug/l		50	< 10	< 10	< 10	< 50	< 10	< 10	< 100
1,2-Dichloroethane	ug/l			< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1-Dichloroethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1,1,2-Tetrachloroethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1,1-Trichloroethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1,2,2-Tetrachloroethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1,2-Trichloroethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,1-Dichloroethene	ug/l	0.6		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,2,3-Trichloropropane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,2-Dibromo-3-chloropropane	ug/l			< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,2-Dibromoethane	ug/l			< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,2-Dichlorobenzene	ug/l	3		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,2-Dichloropropane	ug/l	1		< 1	< 1	< 1	< 5	< 1	< 1	< 10
1,4-Dichlorobenzene	ug/l	3		< 1	< 1	< 1	< 5	< 1	< 1	< 10
2-Hexanone	ug/l	5		< 10	< 10	< 10	< 50	< 10	< 10	< 100
Acrylonitrile	ug/l	5		< 10	< 10	< 10	< 50	< 10	< 10	< 100
Benzene	ug/l	1		< 1	< 1	< 1	< 5	< 1	< 1	**14**
Bromochloromethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Bromodichloromethane	ug/l		50	< 1	< 1	< 1	< 5	< 1	< 1	< 10
Bromoform	ug/l		50	< 1	< 1	< 1	< 5	< 1	< 1	< 10
Bromomethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Carbon Disulfide	ug/l			< 1	< 1	< 1	< 5	< 1	< 1	< 10
Carbon Tetrachloride	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Chlorobenzene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	**64**
Chloroethane	ug/l			< 1	< 1	< 1	< 5	< 1	< 1	< 10
Chloroform	ug/l	7		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Chloromethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
cis-1,2-Dichloroethene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
cis-1,3-Dichloropropene	ug/l	1		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Dibromochloromethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Dibromomethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Ethylbenzene	ug/l	0.4		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Iodomethane	ug/l	5		< 5	< 5	< 5	< 20	< 5	< 5	< 50
MEK (2-Butanone)	ug/l		50	< 10	< 10	< 10	< 50	< 10	< 10	< 100
Methyl isobutyl ketone (MIBK)	ug/l	5		< 10	< 10	< 10	< 50	< 10	< 10	< 100
Methylene Chloride	ug/l	5		< 2	< 2	< 2	< 10	< 2	< 2	< 20
Xylenes, total	ug/l	2		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Styrene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Tetrachloroethene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Toluene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
trans-1,2-Dichloroethene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
trans-1,3-Dichloropropene	ug/l	0.4		< 1	< 1	< 1	< 5	< 1	< 1	< 10
trans-1,4-Dichloro-2-butene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Trichloroethene	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Trichlorofluoromethane	ug/l	5		< 1	< 1	< 1	< 5	< 1	< 1	< 10
Vinyl Acetate	ug/l	0.04		< 10	< 10	< 10	< 50	< 10	< 10	< 100
Vinyl Chloride	ug/l	2		< 1	< 1	< 1	< 5	< 1	< 1	< 10

TABLE 3 - TOWN OF CLAY LANDFILL: GROUNDWATER ANALYTICAL DATA 2022

	UNITS	Class GA Standard	Class GA Guidance	MW-9S	MW-10SR	MW-11SR	DGC-2D	DGC-3D	DGC-6D
Date Sampled				11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023
Specific Conductivity (field)	mS/cm	-					0.12	0.15	0.235
Eh (field)	MV	-					52	141	105
Field pH	S.U.	**6.5-8.5**					8.2	7.9	7.9
Temperature (field)	deg. C	-					14	11.51	15.5
Turbidity (field)	NTU	-		14	10.2	10.2	10.8	12.5	52
TOC	mg/l	-		74.4	4.86	4.86	0.466	1.01	0.696
Alkalinity as CaCo3	mg/l	-		792	538	538	124	133	134
Ammonia as N	mg/l	**2**		**110**	0.323	0.323	0.499	0.272	0.254
Biological Oxygen Demand	mg/l	-		30	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0
Chloride	mg/l	**250**		450	16	16	1.51	0.718	1.06
Chemical Oxygen Demand	mg/l	-		240	3.9	3.9	< 10	3.9	48
Color	units	**15**		**54**	**19**	**19**	< 5	< 5	< 50
Cyanide	mg/l	**0.2**							
Hexachrome	mg/l	**0.05**		0.012	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Nitrate as N	mg/l	**10**		0.29	< 0.1	< 0.1	0.088	0.075	0.094
Total Hardness as CaCo3	mg/l	-		467	478	478	123	107	
Kjeldahl Nitrogen as N	mg/l	-		111	0.584	0.584	0.687	0.508	1.03
Phenolics, Total	mg/l	**0.001**		0.009	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Solids, Total Dissolved	mg/l	**500**		**1300**	**580**	**580**	160	160	180
Sulfate as SO4	mg/l	**250**		6.06	4.26	4.26	14	3.86	15.8
Bromide	mg/l	**2**	2000	7.74	0.162	0.162	< 0.05	< 0.05	< 0.05
Mercury	mg/l	**0.0007**		< 0.0002	< 0.0002	< 0.0002	0.0001	< 0.0002	< 0.0002
Aluminum	mg/l	-		0.18	0.0385	0.0385	0.0847	0.169	1.04
Antimony	mg/l	**0.003**		< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Arsenic	mg/l	**0.025**		0.08224	0.00418	0.00418	0.00185	0.00512	0.00868
Barium	mg/l	**1**		1.23	0.2567	0.2567	0.1315	0.2233	0.1668
Beryllium	mg/l	**0.003**	3000	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Boron	mg/l	**1**		0.865	0.267	0.267	0.0691	0.106	0.0345
Cadmium	mg/l	**0.005**		0.00009	0.00007	0.00007	< 0.0002	< 0.0002	< 0.0002
Calcium	mg/l	-		80.4	109	109	26.9	20.2	38.8
Chromium	mg/l	**0.05**		0.00391	0.00096	0.00096	0.00034	0.00113	0.00204
Cobalt	mg/l	-		0.00972	0.00058	0.00058	< 0.0005	0.00024	0.00084
Copper	mg/l	**0.2**		0.00194	0.00075	0.00075	0.0004	0.00073	0.00319
Iron	mg/l	**0.3**		4.75	0.555	0.555	0.433	0.436	1.71
Lead	mg/l	**0.025**		0.0053	< 0.001	< 0.001	< 0.001	0.00041	0.00323
Magnesium	mg/l	**35**	35000000	64.8	50	50	13.6	13.8	19.8
Manganese	mg/l	**0.3**		0.04622	0.4627	0.4627	0.04168	0.05219	0.07863
Nickel	mg/l	**0.1**		0.04875	0.00752	0.00752	< 0.002	<0.002	0.0019
Potassium	mg/l	-		77.6	0.59	0.59	< 0.002	2.7	1.94
Selenium	mg/l	**0.01**		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Silver	mg/l	**0.05**		< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004	< 0.0004
Sodium	mg/l	**20**		252	45.2	45.2	10.4	15.5	6.98
Thallium	mg/l	**0.0005**	500	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.00018
Vanadium	mg/l	-		0.00558	< 0.005	< 0.005	< 0.005	< 0.005	0.00197
Zinc	mg/l	**2**	2000000	0.00814	0.00439	0.00439	< 0.01	0.00341	0.00794

TABLE 3 - TOWN OF CLAY LANDFILL: GROUNDWATER ANALYTICAL DATA 2022

	UNITS	Class GA Standard	Class GA Guidance	MW-9S	MW-10SR	MW-11SR	DGC-2D	DGC-3D	DGC-6D
Date Sampled				11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023	11/30/2023
Acetone	ug/l		50	< 10	< 10	< 10	< 10	< 100	< 10
1,2-Dichloroethane	ug/l			< 1	< 1	< 1	< 1	< 10	< 1
1,1-Dichloroethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,1,1,2-Tetrachloroethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,1,1-Trichloroethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,1,2,2-Tetrachloroethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,1,2-Trichloroethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,1-Dichloroethene	ug/l	0.6		< 1	< 1	< 1	< 1	< 10	< 1
1,2,3-Trichloropropane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
1,2-Dibromo-3-chloropropane	ug/l			< 1	< 1	< 1	< 1	< 10	< 1
1,2-Dibromoethane	ug/l			< 1	< 1	< 1	< 1	< 10	< 1
1,2-Dichlorobenzene	ug/l	3		< 1	< 1	< 1	< 1	< 10	< 1
1,2-Dichloropropane	ug/l	1		< 1	< 1	< 1	< 1	< 10	< 1
1,4-Dichlorobenzene	ug/l	3		< 1	< 1	< 1	< 1	< 10	< 1
2-Hexanone	ug/l	5		< 10	< 10	< 10	< 10	< 100	< 10
Acrylonitrile	ug/l	5		< 10	< 10	< 10	< 10	< 100	< 10
Benzene	ug/l	1		< 1	< 1	< 1	< 1	< 10	< 1
Bromochloromethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Bromodichloromethane	ug/l		50	< 1	< 1	< 1	< 1	< 10	< 1
Bromoform	ug/l		50	< 1	< 1	< 1	< 1	< 10	< 1
Bromomethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Carbon Disulfide	ug/l			< 1	< 1	< 1	< 1	< 10	< 1
Carbon Tetrachloride	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Chlorobenzene	ug/l	5		< 1	< 1	< 1	< 1	50	< 1
Chloroethane	ug/l			< 1	< 1	< 1	< 1	< 10	< 1
Chloroform	ug/l	7		< 1	< 1	< 1	< 1	< 10	< 1
Chloromethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
cis-1,2-Dichloroethene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
cis-1,3-Dichloropropene	ug/l	1		< 1	< 1	< 1	< 1	< 10	< 1
Dibromochloromethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Dibromomethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Ethylbenzene	ug/l	0.4		< 1	< 1	< 1	< 1	< 10	< 1
Iodomethane	ug/l	5		< 5	< 5	< 5	< 5	< 50	< 5
MEK (2-Butanone)	ug/l		50	< 10	< 10	< 10	< 10	< 100	< 10
Methyl isobutyl ketone (MIBK)	ug/l	5		< 10	< 10	< 10	< 10	< 100	< 10
Methylene Chloride	ug/l	5		< 2	< 2	< 2	< 2	< 20	< 2
Xylenes, total	ug/l	2		< 1	< 1	< 1	< 1	< 10	< 1
Styrene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Tetrachloroethene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Toluene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
trans-1,2-Dichloroethene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
trans-1,3-Dichloropropene	ug/l	0.4		< 1	< 1	< 1	< 1	< 10	< 1
trans-1,4-Dichloro-2-butene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Trichloroethene	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Trichlorofluoromethane	ug/l	5		< 1	< 1	< 1	< 1	< 10	< 1
Vinyl Acetate	ug/l	0.04		< 10	< 10	< 10	< 10	< 100	< 10
Vinyl Chloride	ug/l	2		< 1	< 1	< 1	< 1	< 10	< 1

TABLE 4 - SURFACE WATER ANALYTICAL RESULTS 2022

Parameters	Units	Class C Standard	SW-1	SW-2
Sample Collection Date			**11/30/2023**	**11/30/2023**
Specific Conductivity (field)	ms/cm		0.35	0.4
Eh (field)	mV		115	155
Field pH	SU	***6.5-8.5***	8.1	7.99
Temperature (field)	deg C	-	15.6	11.5
Turbidity (field)	NTU	-		
TOC	mg/l	-	7.15	8.49
Alkalinity as CaCo3	mg/l	-	157	411
Ammonia as N	mg/l	-	0.052	0.054
Biological Oxygen Demand	mg/l	-	< 2.0	< 4.0
Chloride	mg/l	-	66.6	13.7
Chemical Oxygen Demand	Units	-	20	60
Color	mg/l	-	27	25
Cyanide	mg/l	***9***		
Hexachrome	mg/l	***0.011***	< 0.01	< 0.003
Nitrate as N	mg/l	-	0.034	0.024
Total Hardness as CaCo3	mg/l	-	171	479
Kjeldahl Nitrogen as N	mg/l	-	0.581	2.76
Phenolics, Total	mg/l	***0.005***	< 0.03	< 0.03
Solids, Total Dissolved	mg/l	-	300	500
Sulfate as SO4	mg/l	-	9.1	2.49
Bromide	mg/l	-	0.229	0.539
Mercury	mg/l	***0.007***	< 0.0002	< 0.0002
Aluminum	mg/l	***0.1***	0.0453	0.0517
Antimony	mg/l	-	< 0.004	< 0.004
Arsenic	mg/l	-	0.00047	0.0063
Barium	mg/l	***1***	0.8466	0.2194
Beryllium	mg/l	-	0.00012	< 0.005
Boron	mg/l	***10***	1.03	0.0489
Cadmium	mg/l	-	< 0.0002	< 0.0002
Calcium	mg/l	-	44.6	138
Chromium	mg/l	-	0.00026	0.00037
Cobalt	mg/l	-	< 0.0005	0.00272
Copper	mg/l	-	0.00046	0.00042
Iron	mg/l	***0.3***	**0.324**	**3.44**
Lead	mg/l	-	< 0.001	< 0.001
Magnesium	mg/l	-	14.4	32.7
Manganese	mg/l	-	0.05108	**1.426**
Nickel	mg/l	-	< 0.002	0.00217
Potassium	mg/l	-	2.62	2.15
Selenium	mg/l	***0.0046***	< 0.005	< 0.005
Silver	mg/l	***0.0001***	< 0.0004	< 0.0004
Sodium	mg/l	-	44.9	10.6
Thallium	mg/l	***0.008***	< 0.001	< 0.001
Vanadium	mg/l	-	< 0.005	< 0.005
Zinc	mg/l	-	< 0.01	0.0057

TABLE 4 - SURFACE WATER ANALYTICAL RESULTS 2022

Parameters	Units	Class C Standard	SW-1	SW-2
Sample Collection Date			**11/30/2023**	**11/30/2023**
Acetone	ug/l	-	< 10	< 10
1,2-Dichloroethane	ug/l	5	< 1	< 1
1,1-Dichloroethane	ug/l	5	< 1	< 1
1,1,1,2-Tetrachloroethane	ug/l	5	< 1	< 1
1,1,1-Trichloroethane	ug/l	5	< 1	< 1
1,1,2,2-Tetrachloroethane	ug/l	5	< 1	< 1
1,1,2-Trichloroethane	ug/l	5	< 1	< 1
1,1-Dichloroethene	ug/l	0.6	< 1	< 1
1,2,3-Trichloropropane	ug/l	5	< 1	< 1
1,2-Dibromo-3-chloropropane	ug/l	-	< 1	< 1
1,2-Dibromoethane	ug/l	-	< 1	< 1
1,2-Dichlorobenzene	ug/l	-	< 1	< 1
1,2-Dichloropropane	ug/l	5	< 1	< 1
1,4-Dichlorobenzene	ug/l	3	< 1	< 1
2-Hexanone	ug/l	5	< 10	< 10
Acrylonitrile	ug/l	-	< 10	< 10
Benzene	ug/l	1	< 1	< 1
Bromochloromethane	ug/l	5	< 1	< 1
Bromodichloromethane	ug/l	5	< 1	< 1
Bromoform	ug/l	-	< 1	< 1
Bromomethane	ug/l	-	< 1	< 1
Carbon Disulfide	ug/l	-	< 1	< 1
Carbon Tetrachloride	ug/l	-	< 1	< 1
Chlorobenzene	ug/l	5	< 1	< 1
Chloroethane	ug/l	5	< 1	< 1
Chloroform	ug/l	5	< 1	< 1
Chloromethane	ug/l	-	< 1	< 1
cis-1,2-Dichloroethene	ug/l	5	< 1	< 1
cis-1,3-Dichloropropene	ug/l	1	< 1	< 1
Dibromochloromethane	ug/l	7	< 1	< 1
Dibromomethane	ug/l	-	< 1	< 1
Ethylbenzene	ug/l	0.4	< 1	< 1
Iodomethane	ug/l	-	< 5	< 5
MEK (2-Butanone)	ug/l	5	< 10	< 10
Methyl isobutyl ketone (MIBK)	ug/l	-	< 10	< 10
Methylene Chloride	ug/l	-	< 2	< 2
Xylenes, total	ug/l	2	< 1	< 1
Styrene	ug/l	-	< 1	< 1
Tetrachloroethene	ug/l	5	< 1	< 1
Toluene	ug/l	5	< 1	< 1
trans-1,2-Dichloroethene	ug/l	5	< 1	< 1
trans-1,3-Dichloropropene	ug/l	0.4	< 1	< 1
trans-1,4-Dichloro-2-butene	ug/l	5	< 1	< 1
Trichloroethene	ug/l	1	< 1	< 1
Trichlorofluoromethane	ug/l	5	< 1	< 1
Vinyl Acetate	ug/l	0.04	< 10	< 10
Vinyl Chloride	ug/l	2	< 1	< 1

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	Cond(fld)	Eh	pH	Temp	Turb(fld)	TOC	Alk	NH3	BOD-5	Cl-	COD	Color	CN-	Hex-Cr	NO3	Hard
Units		mS/cm	mV	SU	degC	NTU	mg/l	mg/lCaCO3	mg/l	mg/l	mg/l	mg/l	PCCU	mg/l	mg/l	mg/l	mg/lCaCO3
Class GA Standard or Guidance Value		-	-	*6.5-8.5*	-	-	-	-	*2*	-	*250*	-	*15*	*0.2*	*0.05*	*10*	-
MW-2SR	04/29/20	0.921	112	7.53	8.6	9.3	5	387	< 0.1	< 4.0	89	17	5	< 0.01	< 0.004	< 0.05	434
MW-2SR	07/13/21	1.03	6	7.32	16.76	0	4.9	400	< 0.1	< 4.0	86	16	< 5	< 0.01	< 0.004	< 0.05	375
MW-2SR	09/29/22	0.761	71	7.68	15.82	13.2	5.9	364	< 0.1	< 4.0	68	9	< 5	< 0.01	< 0.004	< 0.20	391
MW-2SR	11/30/23	1.1	6	7.5	17.3	15.1	4.61	400	0.061	< 2.0	66	11	< 5		<0.01	<0.1	436
DGC-3S	04/29/20	0.635	71	8.14	9.2	20.2	8.2	391	< 0.1	9.5	6	40	< 5	< 0.01	< 0.004	0.05	415
DGC-3S	07/13/21	0.773	75	7.5	19.6	2.5	4.7	340	<0.1	< 4.0	92	10	6	< 0.01	< 0.004	0.08	379
DGC-3S	09/29/22	0.569	156	8.61	14.37	17.4	4.6	382	< 0.1	< 4.0	11	9	< 5	< 0.01	< 0.004	0.43	412
DGC-3S	11/30/23	0.46	143	8	15.6	18.3	3.01	133	0.056	< 2.0	4.6	30	< 5		0.003	0.14	526
MW-4SR	04/29/20	2.16	-25	7.72	10.02	259	39	948	**111**	8.7	133	143	**42**	< 0.01	< 0.004	< 0.05	557
MW-4SR	07/13/21	2.15	21	7.25	15.89	123	51	881	**116**	8.5	176	169	**33**	< 0.01	<0.004	< 0.05	415
MW-4SR	09/29/22	2.11	-3	7.18	15.87	114	50	918	**145**	5.5	166	145	**44**	< 0.01	<0.004	0.61	422
MW-4SR	11/30/23	2.2	0	7.2	16.2	121	42.7	1040	**106**	< 10	166	160	**90**		0.003	0.033	560
DGC-5	04/29/20	0.612	-53	7.34	8.39	173	4.5	371	**5.42**	< 4.0	< 10	34	5	< 0.01	< 0.004	< 0.05	530
DGC-5	07/13/21	1.01	-126	7.05	16	406	7.7	534	**4.83**	< 4.0	16	42	8	< 0.01	< 0.004	< 0.05	606
DGC-5	09/29/22	0.765	-90	7.1	15.41	630	8.6	400	**7.16**	< 4.0	9.9	34	**35**	< 0.01	< 0.004	< 0.20	808
DGC-5	11/30/23	1.05	-80	6.9	14.56	520	4.16	417	**2.63**	< 10	3.37	44	**80**		0.005	< 0.1	638
MW-6SR	04/29/20	1.64	68	7.38	8.6	69.7	30	664	**33.5**	21	165	120	**23**	< 0.01	< 0.004	0.27	724
MW-6SR	07/13/21	1.34	41	7.32	17.02	84.7	23	601	**29.1**	35	115	67	**19**	< 0.01	< 0.004	0.58	494
MW-6SR	09/29/22	1.09	193	7.28	16.37	68.5	21	482	**24**	24	103	60	**16**	< 0.01	< 0.004	1.34	484
MW-6SR	11/30/23	1.3	80	7.23	15.5	46	26.6	573	**24.4**	12	125	69	**17**		0.007	0.79	506
MW-7S	04/29/20	0.779	57	7.44	7.85	13.4	5.8	467	0.05	< 4.0	< 2.5	17	5	< 0.01	< 0.004	0.16	492
MW-7S	07/13/21	0.905	-47	7.35	14.7	12.4	3.3	481	0.39	< 4.0	2.5	10	< 5	< 0.01	<0.004	0.42	454
MW-7S	09/29/22	0.734	107	7.37	14.36	28.1	4	454	< 0.1	< 4.0	< 2.5	9	5	< 0.01	< 0.004	< 0.20	555
MW-7S	11/30/23	0.92	50	7.2	14.6	25	3.92	519	0.173	< 2.0	1.31	6.2	< 5.0		0.008	0.4	557
MW-8S	04/29/20	1.63	-73	7.08	8.2	34.1	9.9	375	0.25	< 4.0	**282**	40	10	< 0.01	< 0.004	0.06	435
MW-8S	07/13/21	1.77	-30	7.25	17.5	31	12	407	0.23	< 4.0	**350**	40	9	< 0.01	<0.004	0.07	422
MW-8S	09/29/22	1.44	-35	7.6	14.61	91.1	13	327	0.25	< 4.0	**352**	43	8	< 0.01	< 0.004	< 0.20	434
MW-8S	11/30/23					75	4.78	380	0.288	< 2.0	**265**	46	20		< 0.01	0.041	516
MW-9S	04/29/20	2.89	-43	7.23	11.16	17	78	770	**124**	22	**380**	326	**58**	< 0.01	< 0.004	< 0.005	444
MW-9S	07/13/21	2.64	82	7	14.75	7.9	68	791	**109**	12	**380**	248	**55**	< 0.01	<0.004	< 0.005	425
MW-9S	09/29/22	2.44	151	7.18	14.15	15.2	85	654	**108**	22	**456**	332	**50**	< 0.01	<0.004	0.88	422
MW-9S	11/30/23					14	74.4	792	**110**	30	**450**	240	**54**		0.012	0.29	467
MW-10SR	04/29/20	0.647	-12	8.59	9.67	36.5	1.6	300	0.16	< 4.0	48	< 5	< 5	< 0.01	< 0.004	0.06	356
MW-10SR	7/13/2021	0.802	4	8.14	17.42	16.4	4.5	336	0.14	< 4.0	55	5	< 5	< 0.01	<0.004	0.07	328
MW-10SR	09/29/22	0.61	107	8.4	15.07	24.3	2.9	309	0.1	< 4.0	57	9	< 5	< 0.01	<0.004	< 0.20	452
MW-10SR	11/30/23					23.3	1.12	301	0.192	< 2.0	41.6	< 10	< 5		< 0.01	0.17	381
MW-11SR	04/29/20	0.823	-8	7.75	8.19	15.6	4.7	454	< 0.1	< 4.0	31	11	7	< 0.01	< 0.004	< 0.05	424
MW-11SR	07/13/21	0.967	-12	7.23	18.87	8.5	5.1	527	< 0.1	< 4.0	24	16	10	< 0.01	< 0.004	< 0.05	426
MW-11SR	09/29/22	0.638	172	7.55	13.98	12.9	5.5	427	< 0.1	< 4.0	12	9	7	< 0.01	< 0.004	< 0.20	429
MW-11SR	11/30/23					10.2	4.86	538	0.323	< 2.0	16	3.9	19		< 0.01	< 0.1	478

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	Cond(fld)	Eh	pH	Temp	Turb(fld)	TOC	Alk	NH3	BOD-5	Cl-	COD	Color	CN-	Hex-Cr	NO3	Hard
Units		mS/cm	mV	SU	degC	NTU	mg/l	mg/lCaCO3	mg/l	mg/l	mg/l	mg/l	PCCU	mg/l	mg/l	mg/l	mg/lCaCO3
Class GA Standard or Guidance Value		*-*	*-*	*6.5-8.5*	*-*	*-*	*-*	*-*	*2*	*-*	*250*	*-*	*15*	*0.2*	*0.05*	*10*	*-*
DGC-2D	04/29/20	0.236	87	8.17	11.51	6.1	< 1	116	0.45	< 4.0	2.5	< 5	< 5	< 0.01	< 0.004	0.08	117
DGC-2D	07/13/21	0.262	-6	7.72	15.33	0.1	1.1	124	0.29	< 4.0	< 5.0	16	< 5	< 0.01	< 0.004	< 0.05	100
DGC-2D	09/29/22	0.233	61	8.16	13.47	14.4	< 1	138	0.49	< 4.0	< 5.0	< 5	< 5	< 0.01	< 0.004	< 0.20	137
DGC-2D	11/30/23	0.12	52	8.2	14	10.8	0.466	124	0.499	< 2.0	1.51	< 10	< 5		< 0.01	0.088	123
DGC-3D	04/29/20	0.252	-4	8.6	12.03	28	20	130	0.45	24	< 2.5	74	< 5	< 0.01	< 0.004	< 0.05	131
DGC-3D	07/13/21																
DGC-3D	09/29/22	0.18	148	8.38	11.28	13.7	1.2	131	0.34	< 4.0	< 2.5	< 5	< 5	< 0.01	< 0.004	< 0.20	106
DGC-3D	11/30/23	0.15	141	7.9	11.51	12.5	1.01	133	0.272	< 2.0	0.718	3.9	< 5		< 0.01	0.075	107
DGC-6D	04/29/20	0.29	41	8.57	8.73	64	< 1	126	0.16	< 4	< 5	11	< 5	< 0.01	< 0.004	0.05	153
DGC-6D	07/13/21	0.327	7	8.23	16.52	35.1	< 1	140	< 0.1	< 4.0	< 5.0	10	< 5	< 0.01	<0.004	0.07	187
DGC-6D	09/29/22	0.241	128	8.5	16.68	69	< 1	124	0.1	< 4.0	< 2.5	17	< 5	< 0.01	<0.004	< 0.20	147
DGC-6D	11/30/23	0.235	105	7.9	15.5	52	0.696	134	0.254	< 4.0	1.06	48	< 50		< 0.01	0.094	

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	TKN	Phenols	TDS	SO4	Bromide	Hg	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu
Units		mg/l	mg/l	mg/l	mg/l	mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Class GA Standard or Guidance Value		*-*	*0.001*	*500*	*250*	*2*	*0.0007*	*-*	*0.003*	*0.025*	*1*	*0.003*	*1*	*0.005*	*-*	*0.05*	*-*	*0.2*
MW-2SR	04/29/20	< 0.5	< 0.010	**582**	12	<0.5	< 0.0004	0.151	< 0.01	< 0.02	0.245	< 0.0003	0.13	0.0011	84.7	< 0.02	< 0.02	< 0.02
MW-2SR	07/13/21	< 1.0	**0.02**	**573**	11.5	< 0.50	< 0.0004	< 0.20	< 0.01	< 0.02	0.269	< 0.0003	0.145	< 0.001	70.7	< 0.02	< 0.02	< 0.02
MW-2SR	09/29/22	< 1.0	< 0.010	**553**	10.4	< 0.50	< 0.0004	0.233	< 0.02	< 0.02	0.276	< 0.0003	0.184	< 0.001	76.2	< 0.02	< 0.02	< 0.02
MW-2SR	11/30/23	0.845	< 0.03	**560**	8.1	0.735	<0.0002	0.11	<0.004	0.0082	0.275	<0.0005	0.169	0.0011	79.9	0.00209	0.00074	0.00888
DGC-3S	04/29/20	< 0.1	< 0.010	464	18.7	< 0.50	< 0.0004	2.1	< 0.01	< 0.02	0.148	< 0.0003	0.102	< 0.001	124	< 0.02	< 0.02	< 0.02
DGC-3S	07/13/21	< 1.0	**0.017**	**582**	17.1	< 0.50	< 0.0004	0.416	< 0.01	< 0.02	0.134	< 0.0003	0.032	< 0.001	116	< 0.02	< 0.02	< 0.02
DGC-3S	09/29/22	< 1.0	< 0.010	**520**	17.3	< 0.50	< 0.0004	0.562	< 0.02	< 0.02	0.14	< 0.0003	0.026	< 0.001	129	< 0.02	< 0.02	< 0.02
DGC-3S	11/30/23	0.471	< 0.03	**500**	12.1	0.299	<0.0002	2.06	0.004	0.02458	0.2458	0.00013	0.0323	0.00039	146	0.00389	0.00256	0.00743
MW-4SR	04/29/20	78.8	< 0.010	**944**	< 10	1.6	< 0.0004	3.31	< 0.01	< 0.02	0.712	< 0.0003	0.703	< 0.001	136	< 0.02	< 0.02	< 0.02
MW-4SR	07/13/21	90.3	**0.023**	**1050**	< 10.0	**2.1**	< 0.0004	1.23	< 0.01	< 0.02	0.737	< 0.0003	0.851	< 0.001	97.3	< 0.02	< 0.02	< 0.02
MW-4SR	09/29/22	111	< 0.010	**1010**	< 10.0	< 0.50	< 0.0004	1.51	< 0.02	0.02	0.768	< 0.0003	1.13	< 0.001	100	< 0.02	< 0.02	< 0.02
MW-4SR	11/30/23	105	< 0.03	**990**	0.865	**4.1**	<0.0002	2.02	< 0.004	**0.0378**	0.8449	0.00014	**1.06**	0.00014	132	0.00653	0.00917	0.00861
DGC-5	04/29/20	4.88	< 0.010	376	12.5	< 0.50	< 0.0004	4.34	< 0.01	< 0.02	0.381	< 0.0003	< 0.02	< 0.001	156	< 0.02	< 0.02	< 0.02
DGC-5	07/13/21	7.28	**0.016**	**510**	< 10.0	< 0.50	< 0.0004	4.93	< 0.01	**0.043**	0.72	< 0.0003	0.032	< 0.001	182	< 0.02	< 0.02	< 0.02
DGC-5	09/29/22	5.44	< 0.010	480	< 10.0	< 0.50	< 0.0004	14.6	< 0.02	**0.038**	0.794	< 0.0003	0.262	< 0.001	243	0.024	< 0.02	0.031
DGC-5	11/30/23	3.58	< 0.03	450	11.8	0.062	< 0.0002	1.85	< 0.004	**0.0579**	0.4803	0.00013	0.0139	0.00006	192	0.00361	0.00441	0.00586
MW-6SR	04/29/20	26.4	**0.012**	**874**	< 10	1.5	< 0.0004	6.18	< 0.01	**0.372**	**1.86**	< 0.0003	0.443	< 0.001	155	< 0.02	< 0.02	0.037
MW-6SR	07/13/21	21.6	**0.016**	**757**	< 10.0	1.1	< 0.0004	5.24	< 0.01	**0.15**	**1.37**	< 0.0003	0.471	< 0.001	102	< 0.02	< 0.02	< 0.02
MW-6SR	09/29/22	21.4	< 0.010	**693**	< 10.0	< 0.50	< 0.0004	4.35	< 0.02	**0.085**	**1.21**	< 0.0003	0.556	< 0.001	105	< 0.02	< 0.02	< 0.02
MW-6SR	11/30/23	23.9	< 0.03	**760**	1.19	0.716	< 0.0002	0.792	0.00048	**0.09635**	**1.509**	< 0.0005	0.559	0.00008	98.6	0.00307	0.00529	0.00736
MW-7S	04/29/20	0.72	< 0.010	**504**	< 10	< 0.50	< 0.0004	0.114	< 0.01	< 0.02	0.209	< 0.0003	< 0.02	< 0.001	164	< 0.02	< 0.02	< 0.02
MW-7S	07/13/21	< 1.0	**0.019**	**541**	17	< 0.50	< 0.0004	< 0.20	< 0.01	< 0.02	0.212	< 0.0003	0.026	< 0.001	150	< 0.02	< 0.02	< 0.02
MW-7S	09/29/22	< 1.0	< 0.010	**567**	10.6	< 0.50	< 0.0004	< 0.20	< 0.02	< 0.02	0.232	0.00035	0.029	< 0.001	187	< 0.02	< 0.02	< 0.02
MW-7S	11/30/23	0.78	< 0.03	**580**	7.53	< 0.05	< 0.0002	0.0218	0.0006	0.00555	0.2214	< 0.0005	0.0101	0.0001	186	0.00122	< 0.0005	0.00206
MW-8S	04/29/20	1.05	< 0.010	**916**	17.8	0.75	< 0.0004	0.541	< 0.01	**0.096**	0.295	< 0.0003	0.404	< 0.001	78.1	< 0.02	< 0.02	< 0.02
MW-8S	07/13/21	< 1.0	**0.012**	**1100**	14.4	1.4	< 0.0004	0.534	< 0.01	**0.102**	0.313	< 0.0003	0.475	< 0.001	74.5	< 0.02	< 0.02	< 0.02
MW-8S	09/29/22	< 1.0	< 0.010	**945**	14.5	0.87	< 0.0004	0.816	< 0.02	**0.21**	0.338	< 0.0003	0.525	< 0.001	81.9	< 0.02	< 0.02	< 0.02
MW-8S	11/30/23	1.16	< 0.03	**1000**	22.2	0.618	< 0.0002	0.589	< 0.004	**0.169**	0.3869	< 0.0005	0.463	0.00012	87.8	0.00357	0.00126	0.00267
MW-9S	04/29/20	101	**0.01**	**1270**	< 10	**4.9**	< 0.0004	0.206	< 0.01	0.022	**1.1**	< 0.0003	0.757	< 0.001	81.1	< 0.02	< 0.02	< 0.02
MW-9S	07/13/21	97.6	**0.019**	**1320**	< 10.0	**6.1**	< 0.0004	0.498	< 0.01	**0.074**	**1.17**	< 0.0003	0.776	< 0.001	76.2	< 0.02	< 0.02	< 0.02
MW-9S	09/29/22	107	< 0.010	**1310**	< 10.0	**5.8**	< 0.0004	0.255	< 0.02	**0.05**	**1.24**	< 0.0003	0.829	< 0.001	78.2	< 0.02	< 0.02	< 0.02
MW-9S	11/30/23	111	0.009	**1300**	6.06	**7.74**	< 0.0002	0.18	< 0.004	**0.08224**	**1.23**	< 0.0005	0.865	0.00009	80.4	0.00391	0.00972	0.00194
MW-10SR	04/29/20	< 1.0	< 0.010	434	24.9	0.52	< 0.0004	0.521	< 0.01	< 0.02	0.147	< 0.0003	0.138	< 0.001	55.2	< 0.02	< 0.02	< 0.02
MW-10SR	7/13/2021	< 1.0	< 0.010	472	26.5	0.83	< 0.0004	0.911	< 0.01	< 0.02	0.157	< 0.0003	0.147	< 0.001	50.6	< 0.02	< 0.02	< 0.02
MW-10SR	09/29/22	< 1.0	< 0.010	492	24.5	0.54	< 0.0004	4.65	< 0.02	< 0.02	0.208	< 0.0003	0.207	< 0.001	82.1	< 0.02	< 0.02	< 0.02
MW-10SR	11/30/23	0.615	< 0.03	410	23	0.724	< 0.0002	0.684	< 0.004	0.00952	0.1747	< 0.0005	0.168	< 0.0002	56.2	0.00203	0.00036	0.00226
MW-11SR	04/29/20	< 0.5	< 0.010	**548**	< 10	< 0.5	< 0.0004	0.364	< 0.01	< 0.02	0.185	< 0.0003	0.22	< 0.001	99.5	< 0.02	< 0.02	< 0.02
MW-11SR	07/13/21	< 1.0	< 0.010	**580**	16.5	< 0.50	< 0.0004	0.21	< 0.01	< 0.02	0.192	< 0.0003	0.312	< 0.001	103	< 0.02	< 0.02	< 0.02
MW-11SR	09/29/22	< 1.0	< 0.010	**523**	11.8	< 0.50	< 0.0004	0.354	< 0.02	< 0.02	0.235	< 0.0003	0.278	< 0.001	107	< 0.02	< 0.02	< 0.02
MW-11SR	11/30/23	0.584	< 0.03	**580**	4.26	0.162	< 0.0002	0.0385	< 0.004	0.00418	0.2567	< 0.0005	0.267	0.00007	109	0.00096	0.00058	0.00075

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	TKN	Phenols	TDS	SO4	Bromide	Hg	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu
Units		mg/l	mg/l	mg/l	mg/l	mg/L	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Class GA Standard or Guidance Value		*-*	*0.001*	*500*	*250*	*2*	*0.0007*	*-*	*0.003*	*0.025*	*1*	*0.003*	*1*	*0.005*	*-*	*0.05*	*-*	*0.2*
DGC-2D	04/29/20	0.7	< 0.010	160	14.7	< 0.50	< 0.0004	2.34	< 0.01	< 0.02	0.13	< 0.0003	0.069	< 0.001	27.4	< 0.02	< 0.02	< 0.02
DGC-2D	07/13/21	< 1.0	< 0.010	146	15.8	< 0.50	< 0.0004	< 0.20	< 0.01	< 0.02	0.122	< 0.0003	0.072	< 0.001	22.6	< 0.02	< 0.02	< 0.02
DGC-2D	09/29/22	< 1.0	< 0.010	178	12.7	< 0.50	< 0.0004	0.321	< 0.02	< 0.02	0.163	< 0.0003	0.079	< 0.001	32.1	< 0.02	< 0.02	< 0.02
DGC-2D	11/30/23	0.687	< 0.03	160	14	< 0.05	0.0001	0.0847	< 0.004	0.00185	0.1315	< 0.0005	0.0691	< 0.0002	26.9	0.00034	< 0.0005	0.0004
DGC-3D	04/29/20	1	< 0.010	180	19.6	< 0.50	< 0.0004	0.825	< 0.01	< 0.02	0.238	< 0.0003	0.264	< 0.001	27.6	< 0.02	< 0.02	< 0.02
DGC-3D	07/13/21	No Sample Taken - Well Didn't Recharge																
DGC-3D	09/29/22	< 1.0	< 0.010	148	< 10.0	< 0.50	< 0.0004	0.474	< 0.02	< 0.02	0.215	< 0.0003	0.118	< 0.001	22.2	< 0.02	< 0.02	< 0.02
DGC-3D	11/30/23	0.508	< 0.03	160	3.86	< 0.05	< 0.0002	0.169	< 0.004	0.00512	0.2233	< 0.0005	0.106	< 0.0002	20.2	0.00113	0.00024	0.00073
DGC-6D	04/29/20	< 0.5	< 0.010	200	16.2	< 0.5	< 0.0004	1.9	< 0.01	< 0.02	0.153	< 0.0003	0.035	< 0.001	34.4	< 0.02	< 0.02	< 0.02
DGC-6D	07/13/21	< 1.0	< 0.010	178	15.9	< 0.50	< 0.0004	5.19	< 0.01	< 0.02	0.179	< 0.0003	0.032	< 0.001	42.1	< 0.02	< 0.02	< 0.02
DGC-6D	09/29/22	< 1.0	< 0.010	188	15.2	< 0.50	< 0.0004	2.24	< 0.02	< 0.02	0.159	< 0.0003	0.051	< 0.001	33.8	< 0.02	< 0.02	< 0.02
DGC-6D	11/30/23	1.03	< 0.03	180	15.8	< 0.05	< 0.0002	1.04	< 0.004	0.00868	0.1668	< 0.0005	0.0345	< 0.0002	38.8	0.00204	0.00084	0.00319

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Class GA Standard or Guidance Value		*0.3*	*0.025*	*35*	*0.3*	*0.1*	*-*	*0.01*	*0.05*	*20*	*0.0005*	*-*	*2*
MW-2SR	04/29/20	**0.708**	< 0.02	**54.1**	0.086	< 0.02	0.97	**0.024**	< 0.001	**65.8**	< 0.01	< 0.02	< 0.02
MW-2SR	07/13/21	**0.504**	< 0.02	**48.2**	0.066	< 0.02	1.08	**0.023**	< 0.01	**61.2**	< 0.01	< 0.02	< 0.02
MW-2SR	09/29/22	**0.941**	< 0.02	**48.7**	0.154	< 0.02	1.63	< 0.01	< 0.01	**49.6**	< 0.01	< 0.02	0.027
MW-2SR	11/30/23	0.505	0.00042	57.5	0.03436	0.01533	1.06	<0.005	<0.0004	**57**	<0.001	<0.005	0.01655
DGC-3S	04/29/20	**3.58**	< 0.02	25.3	0.126	< 0.02	0.86	**0.02**	< 0.001	10.6	< 0.01	< 0.02	0.036
DGC-3S	07/13/21	**0.506**	< 0.02	22.1	0.064	< 0.02	0.51	**0.17**	< 0.01	9.38	< 0.01	< 0.02	< 0.02
DGC-3S	09/29/22	**0.973**	< 0.02	21.9	0.072	< 0.02	0.828	< 0.01	< 0.01	8.83	< 0.01	< 0.02	< 0.02
DGC-3S	11/30/23	**5.27**	0.00414	**39.3**	**0.4695**	0.00484	1.01	<0.005	<0.0004	13.6	<0.001	0.00466	0.0205
MW-4SR	04/29/20	**19.5**	< 0.02	**53.2**	**0.94**	0.027	73.4	< 0.01	< 0.001	**146**	< 0.01	< 0.02	0.034
MW-4SR	07/13/21	**11.3**	< 0.02	**41.8**	**0.525**	0.029	71.9	< 0.01	< 0.01	**157**	< 0.01	< 0.02	< 0.02
MW-4SR	09/29/22	**10.9**	< 0.02	**41.7**	0.4	0.033	75.1	0.0168	< 0.01	**139**	< 0.01	< 0.02	0.029
MW-4SR	11/30/23	**21.7**	0.01285	**56**	**0.9224**	0.02429	81.5	<0.005	< 0.0004	**160**	<0.001	0.00663	0.0601
DGC-5	04/29/20	**15.5**	< 0.02	34.4	**1.42**	< 0.02	4.77	< 0.01	< 0.001	6.1	< 0.01	< 0.02	0.039
DGC-5	07/13/21	**33.2**	0.021	**36.7**	**1.82**	< 0.02	8.51	< 0.01	< 0.01	13.1	< 0.01	< 0.02	0.034
DGC-5	09/29/22	**50.2**	0.029	**49**	**2.11**	0.038	11	< 0.01	< 0.01	13.3	< 0.01	0.021	0.086
DGC-5	11/30/23	**32.3**	0.00312	**38.3**	**2.906**	0.00792	1.85	< 0.005	< 0.0004	1.48	< 0.001	0.00569	0.02376
MW-6SR	04/29/20	**39.1**	0.022	**81.9**	**0.601**	0.045	30.8	< 0.01	< 0.001	**123**	< 0.01	< 0.02	0.067
MW-6SR	07/13/21	**17.8**	0.021	**57.7**	**0.373**	0.026	32.7	< 0.01	< 0.01	**96.9**	< 0.01	< 0.02	0.037
MW-6SR	09/29/22	**12.8**	< 0.02	**53.5**	0.278	0.03	31.5	< 0.01	< 0.01	**75.2**	< 0.01	< 0.02	0.034
MW-6SR	11/30/23	**7.27**	0.00223	**63.1**	0.27	0.01927	30	< 0.005	< 0.0004	**111**	< 0.001	0.00338	0.01008
MW-7S	04/29/20	**3.5**	< 0.02	19.8	**0.316**	< 0.02	2.02	**0.014**	< 0.001	3.61	< 0.01	< 0.02	< 0.02
MW-7S	07/13/21	**0.747**	< 0.02	19.3	0.117	< 0.02	2.09	**0.022**	< 0.01	3.88	< 0.01	< 0.02	< 0.02
MW-7S	09/29/22	**1.34**	< 0.02	21.2	0.039	< 0.02	2.34	< 0.01	< 0.01	3.41	< 0.01	< 0.02	< 0.02
MW-7S	11/30/23	**0.674**	< 0.001	22.4	0.02462	0.00379	1.73	0.005	< 0.0004	2.12	< 0.001	0.00269	0.00482
MW-8S	04/29/20	**5.22**	< 0.02	**58.2**	0.233	< 0.02	1.03	0.01	< 0.001	**197**	< 0.01	< 0.02	< 0.02
MW-8S	07/13/21	**4.98**	< 0.02	**57.3**	**0.371**	< 0.02	1.28	**0.014**	< 0.01	**226**	< 0.01	< 0.02	< 0.02
MW-8S	09/29/22	**9.35**	< 0.02	**55.7**	0.296	0.023	1.59	< 0.01	< 0.01	**171**	< 0.01	< 0.02	0.081
MW-8S	11/30/23	**10.6**	0.00126	**72**	**0.3658**	0.01116	1.24	< 0.005	< 0.0004	**209**	< 0.001	0.00183	0.02887
MW-9S	04/29/20	**1.98**	< 0.02	**58.5**	0.034	0.043	64.9	**0.027**	< 0.001	**236**	< 0.01	< 0.02	< 0.02
MW-9S	07/13/21	**4.55**	< 0.02	**57**	0.056	0.048	64.1	**0.02**	< 0.01	**245**	< 0.01	< 0.02	0.04
MW-9S	09/29/22	**3.29**	< 0.02	**55.1**	0.031	0.048	59.5	0.054	< 0.01	**205**	< 0.01	< 0.02	< 0.02
MW-9S	11/30/23	**4.75**	0.0053	**64.8**	0.04622	0.04875	77.6	< 0.005	< 0.0004	**252**	< 0.001	0.00558	0.00814
MW-10SR	04/29/20	**0.931**	< 0.02	**53.1**	0.052	< 0.02	2.27	**0.021**	< 0.001	**30.7**	< 0.01	< 0.02	< 0.02
MW-10SR	7/13/2021	**1.29**	< 0.02	**48.9**	0.092	< 0.02	2.27	**0.021**	< 0.01	**32.4**	< 0.01	< 0.02	< 0.02
MW-10SR	09/29/22	**6.02**	< 0.02	**59.9**	0.221	< 0.02	3.92	< 0.01	< 0.01	**33.8**	< 0.01	< 0.02	< 0.02
MW-10SR	11/30/23	**1.6**	0.00117	**58.5**	0.1179	0.00252	2.34	< 0.005	< 0.0004	**30**	< 0.001	< 0.005	0.00558
MW-11SR	04/29/20	**2.17**	< 0.02	**42.8**	**0.493**	< 0.02	0.556	**0.017**	< 0.001	**54.4**	< 0.01	< 0.02	< 0.02
MW-11SR	07/13/21	**1.53**	< 0.02	**41.2**	0.285	< 0.02	0.813	**0.018**	< 0.01	**44.4**	< 0.01	< 0.02	< 0.02
MW-11SR	09/29/22	**1.99**	< 0.02	**39.3**	0.372	< 0.02	1.16	< 0.01	< 0.01	**33.7**	< 0.01	< 0.02	< 0.02
MW-11SR	11/30/23	**0.555**	< 0.001	**50**	0.4627	0.00752	0.59	< 0.005	< 0.0004	**45.2**	< 0.001	< 0.005	0.00439

TABLE 5 - HISTORICAL GROUNDWATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Class GA Standard or Guidance Value		*0.3*	*0.025*	*35*	*0.3*	*0.1*	*-*	*0.01*	*0.05*	*20*	*0.0005*	*-*	*2*
DGC-2D	04/29/20	**0.709**	< 0.02	11.8	0.055	< 0.02	2.5	< 0.01	< 0.001	10.8	< 0.01	< 0.02	< 0.02
DGC-2D	07/13/21	0.252	< 0.02	10.5	0.056	< 0.02	2.41	< 0.01	< 0.01	10.3	< 0.01	< 0.02	< 0.02
DGC-2D	09/29/22	**1.68**	< 0.02	13.8	0.079	< 0.02	2.62	< 0.01	< 0.01	9.23	< 0.01	< 0.02	< 0.02
DGC-2D	11/30/23	**0.433**	< 0.001	13.6	0.04168	< 0.002	< 0.002	< 0.005	< 0.0004	10.4	< 0.001	< 0.005	< 0.01
DGC-3D	04/29/20	**1.48**	< 0.02	15	0.116	< 0.02	3.18	0.01	< 0.001	17.6	< 0.01	< 0.02	0.043
DGC-3D	07/13/21												
DGC-3D	09/29/22	**0.792**	< 0.02	12.4	0.05	< 0.02	3.21	< 0.01	< 0.01	14.7	< 0.01	< 0.02	< 0.02
DGC-3D	11/30/23	**0.436**	0.00041	13.8	0.05219	<0.002	2.7	< 0.005	< 0.0004	15.5	< 0.001	< 0.005	0.00341
DGC-6D	04/29/20	**1.72**	< 0.02	16.4	0.052	< 0.02	2.44	0.01	< 0.001	7.25	< 0.01	< 0.02	< 0.02
DGC-6D	07/13/21	**4.73**	< 0.02	19.8	0.16	< 0.02	3.71	< 0.01	< 0.01	7.61	< 0.01	< 0.02	0.022
DGC-6D	09/29/22	**2.11**	< 0.02	15.3	0.053	< 0.02	2.83	< 0.01	< 0.01	6.89	< 0.01	< 0.02	< 0.02
DGC-6D	11/30/23	**1.71**	0.00323	19.8	0.07863	0.0019	1.94	< 0.005	< 0.0004	6.98	0.00018	0.00197	0.00794

TABLE 6 - HISTORICAL SURFACE WATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well Units	Date Sampled	Cond(fld) umhos/cm	Eh mV	pH SU	Temp degC	Turb(fld) NTU	TOC mg/l	Alk mg/lCaCO3	NH3 mg/l	BOD-5 mg/l	Cl- mg/l	COD mg/l	Color PCCU	CN- mg/l	Hex-Cr mg/l	NO3 mg/l	Hard mg/lCaCO3	TKN mg/l	Phenols mg/l	TDS mg/l	SO4 mg/l	Br mg/l	Hg mg/l	Al mg/l	Sb mg/l
Class GA Standard or Guidance Value				***6.5-8.5***	-	-	-	-	-	-	-	-	-	***9***	***0.011***	-	-	-	***0.005***	-	-	-	***0.007***	***0.1***	-
SW-1	12/27/18	0.57	15	8.46	1.82	5	6.9	92	< 0.1	< 4.0	63	15	35	< 0.01	< 0.004	< 0.05	99	< 0.5	< 0.01	216	< 10	< 0.5	< 0.0004	< 0.2	< 0.02
SW-1	04/29/20	0.504	114	7.87	7.32	16.1	8.1	154	< 0.1	< 4.0	71	23	42	< 0.01	< 0.004	< 0.05	164	0.68	< 0.01	310	< 10	< 0.5	< 0.0004	**0.147**	< 0.01
SW-1	07/13/21	0.588	44	7.65	22.51	0	14	156	0.16	< 4.0	83	21	65	< 0.01	<0.004	< 0.05	137	< 1.0	< 0.010	326	< 10.0	< 0.50	< 0.0004	< 0.20	< 0.01
SW-1	09/29/22	0.441	118	8.22	13.83	1.6	15	120	0.14	< 4.0	84	34	60	< 0.01	< 0.004	0.31	151	< 1.0	< 0.010	344	< 10.0	< 0.50	< 0.0004	< 0.20	< 0.02
SW-1	11/30/23	0.35	115	8.1	15.6		7.15	157	0.052	< 2.0	66.6	20	27		< 0.01	0.034	171	0.581	< 0.03	300	9.1	0.229	< 0.0002	0.0453	< 0.004
SW-2	12/27/2018	1.28	-22	7.89	1.84	24.7	19	455	0.12	11	< 10	56	45	< 0.01	< 0.004	< 0.05	454	1.17	< 0.010	514	27.1	< 0.50	< 0.0004	**0.896**	< 0.02
SW-2	04/29/20	0.503	94	8.1	13.38	0.5	8	158	0.34	< 4	74	29	38	< 0.01	< 0.004	< 0.05	167	< 1.0	< 0.010	307	< 10	< 0.50	< 0.0004	0.066	< 0.01
SW-2	07/13/21	0.591	71	7.64	22.02	0	12	152	0.16	< 4.0	80	47	65	< 0.01	<0.004	< 0.05	138	< 1.0	< 0.010	334	< 10.0	< 0.50	< 0.0004	< 0.20	< 0.01
SW-2	09/29/22	0.413	180	7.98	12.35	4	14	113	0.14	< 4.0	81	30	55	< 0.01	<0.004	0.36	155	< 1.0	< 0.010	328	< 10.0	< 0.50	< 0.0004	< 0.20	< 0.02
SW-2	11/30/23	0.4	155	7.99	11.5		8.49	411	0.054	< 4.0	13.7	60	25		< 0.003	0.024	479	2.76	< 0.03	500	2.49	0.539	< 0.0002	0.0517	< 0.004

TABLE 6 - HISTORICAL SURFACE WATER ANALYTICAL DATA - INORGANIC AND METAL PARAMETERS

Monitoring Well	Date Sampled	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Class GA Standard or Guidance Value		*-*	*1*	*-*	*10*	*-*	*-*	*-*	*-*	*-*	*0.3*	*-*	*-*	*-*	*-*	*-*	***0.0046***	***0.0001***	*-*	***0.008***	*-*	*-*
SW-1	12/27/18	< 0.02	0.031	< 0.0003	< 0.1	< 0.001	26.8	< 0.02	< 0.02	< 0.02	0.265	< 0.02	7.7	0.023	< 0.02	2.1	< 0.002	< 0.001	33.2	< 0.0003	< 0.02	< 0.02
SW-1	04/29/20	< 0.02	0.049	< 0.0003	< 0.02	< 0.001	44.4	< 0.02	< 0.02	< 0.02	**0.82**	< 0.02	12.9	0.1	< 0.02	1.68	**0.016**	< 0.001	46.8	< 0.01	< 0.02	< 0.02
SW-1	07/13/21	< 0.02	0.07	< 0.0003	0.029	< 0.001	37.8	< 0.02	< 0.02	< 0.02	**0.481**	< 0.02	10.3	0.181	< 0.02	1.43	**0.015**	< 0.01	54.5	< 0.01	< 0.02	< 0.02
SW-1	09/29/22	< 0.02	0.058	< 0.0003	0.038	< 0.001	42.1	< 0.02	< 0.02	< 0.02	**0.517**	< 0.02	11.2	0.08	< 0.02	2.7	< 0.01	< 0.01	45.7	< 0.01	< 0.02	< 0.02
SW-1	11/30/23	0.00047	0.8466	0.00012	**1.03**	< 0.0002	44.6	0.00026	< 0.0005	0.00046	**0.324**	< 0.001	14.4	0.05108	< 0.002	2.62	< 0.005	< 0.0004	44.9	< 0.001	< 0.005	< 0.01
SW-2	12/27/2018	< 0.02	0.223	< 0.0003	< 0.1	< 0.001	136	< 0.02	< 0.02	< 0.02	**10.1**	< 0.02	27.9	0.762	< 0.02	1.02	< 0.002	< 0.001	9.82	< 0.0003	< 0.02	< 0.02
SW-2	04/29/20	< 0.02	0.047	< 0.0003	< 0.02	< 0.001	45.4	< 0.02	< 0.02	< 0.02	**0.579**	< 0.02	13	0.042	0.028	1.77	**0.012**	< 0.001	48.7	< 0.01	< 0.02	< 0.02
SW-2	07/13/21	< 0.02	0.071	< 0.0003	0.025	< 0.001	38.2	< 0.02	< 0.02	< 0.02	**0.464**	< 0.02	10.4	0.166	< 0.02	1.43	**0.016**	< 0.01	55.7	< 0.01	< 0.02	< 0.02
SW-2	09/29/22	< 0.02	0.059	< 0.0003	0.038	< 0.001	43.5	< 0.02	< 0.02	< 0.02	**0.519**	< 0.02	11.4	0.07	< 0.02	2.77	< 0.01	< 0.01	45.8	< 0.01	< 0.02	< 0.02
SW-2	11/30/23	0.0063	0.2194	< 0.005	0.0489	< 0.0002	138	0.00037	0.00272	0.00042	**3.44**	< 0.001	32.7	1.426	0.00217	2.15	< 0.005	< 0.0004	10.6	< 0.001	< 0.005	0.0057

TABLE 7 - HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANIC PARAMETERS

	Class GA Standard	Class GA Guidance	MW-2SR					DGC-3S					MW-4SR					
Sample Collection Date			12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018
EPA 8260																		
Acetone	-	**50**	<10	< 10	< 20			<10	**56**	< 20			<10	< 10	< 50			<10
1,2-Dichloroethane	-	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1-Dichloroethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1,1,2-Tetrachloroethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1,1-Trichloroethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1,2,2-Tetrachloroethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1,2-Trichloroethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,1-Dichloroethene	**0.6**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,2,3-Trichloropropane	**5**	-	<1	< 1	< 4			<1	< 1	< 4			<1	< 1	< 10			<1
1,2-Dibromo-3-chloropropane	-	-	<1	< 2	< 10			<1	< 2	< 10			<1	< 2	< 20			<1
1,2-Dibromoethane	-	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,2-Dichlorobenzene	**3**	-	<1	< 1	<1			<1	< 1	<1			1.8	1.2	< 5			<1
1,2-Dichloropropane	**1**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
1,4-Dichlorobenzene	**3**	-	<1	< 1	<1			<1	< 1	<1			**4.1**	**5.2**	< 5			<1
2-Hexanone	**5**	-	<5	< 5	< 10			<5	< 5	< 10			<5	< 5	< 20			<5
Acrylonitrile	**5**	-	<5	< 5	< 10			<5	< 5	< 10			<5	< 5	< 20			<5
Benzene	**1**	-	<1	< 1	<1			<1	< 1	<1			**4.9**	**6.9**	5.4			<1
Bromochloromethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Bromodichloromethane	-	**50**	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Bromoform (Tribromomethane)	-	**50**	<1	< 2	< 1			<1	< 2	< 1			<1	< 2	< 5			<1
Bromomethane	**5**	-	<3	< 3	< 1			<3	< 3	< 1			<3	< 3	< 5			<3
Carbon Disulfide	-	-	<2	< 2	< 1			<2	< 2	< 1			<2	< 2	< 5			<2
Carbon Tetrachloride	**5.00**	-	<1	< 1	<1			<1	< 1	< 1			<1	< 1	< 5			<1
Chlorobenzene	**5.00**	-	<1	< 1	<1			<1	< 1	< 1			**40**	**40**	32			<1
Chloroethane	-	-	<3	< 3	<3			<3	< 3	< 1			<3	< 3	< 5			<3
Chloroform (Trichloromethane)	**7**	-	<1	< 1	<1			<1	< 1	< 1			<1	< 1	< 5			<1
Chloromethane	**5**	-	<3	< 3	< 1			<3	< 3	< 1			<3	< 3	< 5			<3
cis-1,2-Dichloroethene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
cis-1,3,Dichloropropene	**1**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Dibromochloromethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Dibromomethane	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Ethylbenzene	**0.4**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Iodomethane	**5**	-	<2	< 2	< 20			<2	< 2	< 20			<2	< 2	< 50			<2
2-Butanone (MEK)	-	**50**	<5	< 5	< 20			<5	< 5	< 20			<5	< 5	< 50			<5
4-Methyl-2-pentanone (MIBK)	**5**	-	<5	< 5	< 10			<5	< 5	< 10			<5	< 5	< 20			<5
Methylene Chloride	**5**	-	<5	< 5	< 4			<5	< 5	< 4			<5	< 5	< 10			<5
Total Xylene	**2**	-	<3	< 3	< 1			<3	< 3	< 1			<3	< 3	< 5			<3
Styrene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Tetrachloroethene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Toluene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
trans-1,2-Dichloroethene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
trans-1,3-Dichloropropene	**0.4**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
trans-1,4-Dichloro-2-butene	**5**	-	<5	< 5	< 10			<5	< 5	< 10			<5	< 5	< 20			<5
Trichloroethene	**5**	-	<1	< 1	<1			<1	< 1	<1			<1	< 1	< 5			<1
Trichlorofluoromethane	**5**	-	<3	< 3	< 1			<3	< 3	< 1			<3	< 3	< 5			<3
Vinyl Acetate	**0.04**	-	<5	< 5	< 4			<5	< 5	< 4			<5	< 5	< 10			<5
Vinyl Chloride	**2**	-	<2	< 2	< 1			<2	< 2	< 1			<2	< 2	< 5			<2

NA - Not Analyzed

Bold - Substances detected above method detection limits

TABLE 7 - HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANIC PARAMETERS

	Class GA Standard	Class GA Guidance	DGC-5				MW-6SR					MW-7S				
Sample Collection Date			4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023
EPA 8260																
Acetone	-	**50**	< 10	< 20			<10	< 10	< 50			<10	< 10	< 20		
1,2-Dichloroethane	-	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1-Dichloroethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1,1,2-Tetrachloroethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1,1-Trichloroethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1,2,2-Tetrachloroethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1,2-Trichloroethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,1-Dichloroethene	**0.6**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,2,3-Trichloropropane	**5**	-	< 1	< 4			<1	< 1	< 10			<1	< 1	< 4		
1,2-Dibromo-3-chloropropane	-	-	< 2	< 10			<1	< 2	< 20			<1	< 2	< 10		
1,2-Dibromoethane	-	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,2-Dichlorobenzene	**3**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,2-Dichloropropane	**1**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
1,4-Dichlorobenzene	**3**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
2-Hexanone	**5**	-	< 5	< 10			<5	< 5	< 20			<5	< 5	< 10		
Acrylonitrile	**5**	-	< 5	< 10			<5	< 5	< 20			<5	< 5	< 10		
Benzene	**1**	-	< 1	<1			**1.4**	< 1	< 5			<1	< 1	<1		
Bromochloromethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Bromodichloromethane	-	**50**	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Bromoform (Tribromomethane)	-	**50**	< 2	< 1			<1	< 2	< 5			<1	< 2	< 1		
Bromomethane	**5**	-	< 3	< 1			<3	< 3	< 5			<3	< 3	< 1		
Carbon Disulfide	-	-	< 2	< 1			<2	< 2	< 5			<2	< 2	< 1		
Carbon Tetrachloride	**5.00**	-	< 1	<1			<1	< 1	< 5			<1	< 1	< 1		
Chlorobenzene	**5.00**	-	< 1	1.4			1.8	1.8	< 5			<1	< 1	< 1		
Chloroethane	-	-	< 3	< 1			<3	< 3	< 5			<3	< 3	< 1		
Chloroform (Trichloromethane)	**7**	-	< 1	< 1			<1	< 1	< 5			<1	< 1	< 1		
Chloromethane	**5**	-	< 3	< 1			<3	< 3	< 5			<3	< 3	< 1		
cis-1,2-Dichloroethene	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
cis-1,3,Dichloropropene	**1**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Dibromochloromethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Dibromomethane	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Ethylbenzene	**0.4**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
Iodomethane	**5**	-	< 2	< 20			<2	< 2	< 50			<2	< 2	< 20		
2-Butanone (MEK)	-	**50**	< 5	< 20			<5	< 5	< 50			<5	< 5	< 20		
4-Methyl-2-pentanone (MIBK)	**5**	-	< 5	< 10			<5	< 5	< 20			<5	< 5	< 10		
Methylene Chloride	**5**	-	< 5	< 4			<5	< 5	< 10			<5	< 5	< 4		
Total Xylene	**2**	-	< 3	< 1			<3	< 3	< 5			<3	< 3	< 1		
Styrene	**5**	-	< 1	< 1			<1	< 1	< 5			<1	< 1	< 1		
Tetrachloroethene	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	< 1		
Toluene	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	< 1		
trans-1,2-Dichloroethene	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
trans-1,3-Dichloropropene	**0.4**	-	< 1	<1			<1	< 1	< 5			<1	< 1	<1		
trans-1,4-Dichloro-2-butene	**5**	-	< 5	< 10			<5	< 5	< 20			<5	< 5	< 10		
Trichloroethene	**5**	-	< 1	<1			<1	< 1	< 5			<1	< 1	< 1		
Trichlorofluoromethane	**5**	-	< 3	< 1			<3	< 3	< 5			<3	< 3	< 1		
Vinyl Acetate	**0.04**	-	< 5	< 4			<5	< 5	< 10			<5	< 5	< 4		
Vinyl Chloride	**2**	-	< 2	< 1			<2	< 2	< 5			<2	< 2	< 1		

NA - Not Analyzed

Bold - Substances detected above method detection limits

TABLE 7 - HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANIC PARAMETERS

	Class GA Standard	Class GA Guidance	MW-8S				
Sample Collection Date			12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023
EPA 8260							
Acetone	-	**50**	<10	< 10	< 20		
1,2-Dichloroethane	-	-	<1	< 1	<1		
1,1-Dichloroethane	**5**	-	<1	< 1	<1		
1,1,1,2-Tetrachloroethane	**5**	-	<1	< 1	<1		
1,1,1-Trichloroethane	**5**	-	<1	< 1	<1		
1,1,2,2-Tetrachloroethane	**5**	-	<1	< 1	<1		
1,1,2-Trichloroethane	**5**	-	<1	< 1	<1		
1,1-Dichloroethene	**0.6**	-	<1	< 1	<1		
1,2,3-Trichloropropane	**5**	-	<1	< 1	<1		
1,2-Dibromo-3-chloropropane	-	-	<1	< 2	< 10		
1,2-Dibromoethane	-	-	<1	< 1	<1		
1,2-Dichlorobenzene	**3**	-	<1	< 1	<1		
1,2-Dichloropropane	**1**	-	<1	< 1	<1		
1,4-Dichlorobenzene	**3**	-	<1	< 1	<1		
2-Hexanone	**5**	-	<5	< 5	< 10		
Acrylonitrile	**5**	-	<5	< 5	< 10		
Benzene	**1**	-	<1	< 1	<1		
Bromochloromethane	**5**	-	<1	< 1	<1		
Bromodichloromethane	-	**50**	<1	< 1	<1		
Bromoform (Tribromomethane)	-	**50**	<1	< 2	< 1		
Bromomethane	**5**	-	<3	< 3	< 1		
Carbon Disulfide	-	-	<2	< 2	< 1		
Carbon Tetrachloride	**5.00**	-	<1	< 1	< 1		
Chlorobenzene	**5.00**	-	<1	< 1	< 1		
Chloroethane	-	-	<3	< 3	< 1		
Chloroform (Trichloromethane)	**7**	-	<1	< 1	<1		
Chloromethane	**5**	-	<3	< 3	< 1		
cis-1,2-Dichloroethene	**5**	-	<1	< 1	<1		
cis-1,3,Dichloropropene	**1**	-	<1	< 1	<1		
Dibromochloromethane	**5**	-	<1	< 1	<1		
Dibromomethane	**5**	-	<1	< 1	<1		
Ethylbenzene	**0.4**	-	<1	< 1	<1		
Iodomethane	**5**	-	<2	< 2	< 20		
2-Butanone (MEK)	-	**50**	<5	< 5	< 20		
4-Methyl-2-pentanone (MIBK)	**5**	-	<5	< 5	< 10		
Methylene Chloride	**5**	-	<5	< 5	< 4		
Total Xylene	**2**	-	<3	< 3	< 1		
Styrene	**5**	-	<1	< 1	< 1		
Tetrachloroethene	**5**	-	<1	< 1	< 1		
Toluene	**5**	-	<1	< 1	< 1		
trans-1,2-Dichloroethene	**5**	-	<1	< 1	< 1		
trans-1,3-Dichloropropene	**0.4**	-	<1	< 1	<1		
trans-1,4-Dichloro-2-butene	**5**	-	<5	< 5	< 10		
Trichloroethene	**5**	-	<1	< 1	<1		
Trichlorofluoromethane	**5**	-	<3	< 3	< 1		
Vinyl Acetate	**0.04**	-	<5	< 5	< 4		
Vinyl Chloride	**2**	-	<2	< 2	< 1		

NA - Not Analyzed

Bold - Substances detected above method detection limits

TABLE 7 - HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANIC PARAMETERS

	Class GA Standard	Class GA Guidance	MW-9S					MW-10SR					MW-11SR				
Sample Collection Date			12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023
EPA 8260																	
Acetone	-	**50**	<10	< 10	< 50			<10	< 10	< 20			<10	< 10	< 20		
1,2-Dichloroethane	-	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1-Dichloroethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1,1,2-Tetrachloroethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1,1-Trichloroethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1,2,2-Tetrachloroethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1,2-Trichloroethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,1-Dichloroethene	**0.6**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,2,3-Trichloropropane	**5**	-	<1	< 1	< 10			<1	< 1	< 4			<1	< 1	< 4		
1,2-Dibromo-3-chloropropane	-	-	<1	< 2	< 20			<1	< 2	< 10			<1	< 2	< 10		
1,2-Dibromoethane	-	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,2-Dichlorobenzene	**3**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,2-Dichloropropane	**1**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
1,4-Dichlorobenzene	**3**	-	**3.2**	**4.2**	< 5			<1	< 1	<1			<1	< 1	< 1		
2-Hexanone	**5**	-	<5	< 5	< 20			<5	< 5	< 10			<5	< 5	< 10		
Acrylonitrile	**5**	-	<5	< 5	< 20			<5	< 5	< 10			<5	< 5	< 10		
Benzene	**1**	-	**5.5**	**6.9**	**11**			<1	< 1	<1			<1	< 1	< 1		
Bromochloromethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Bromodichloromethane	-	**50**	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Bromoform (Tribromomethane)	-	**50**	<1	< 2	< 5			<1	< 2	<1			<1	< 2	< 1		
Bromomethane	**5**	-	<3	< 3	< 5			<3	< 3	<1			<3	< 3	< 1		
Carbon Disulfide	-	-	<2	< 2	< 5			<2	< 2	<1			<2	< 2	< 1		
Carbon Tetrachloride	**5.00**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Chlorobenzene	**5.00**	-	**36**	**43**	**41**			<1	< 1	1.7			<1	< 1	< 1		
Chloroethane	-	-	<3	< 3	< 5			<3	< 3	<1			<3	< 3	< 1		
Chloroform (Trichloromethane)	**7**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Chloromethane	**5**	-	<3	< 3	< 5			<3	< 3	<1			<3	< 3	< 1		
cis-1,2-Dichloroethene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
cis-1,3,Dichloropropene	**1**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Dibromochloromethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Dibromomethane	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Ethylbenzene	**0.4**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Iodomethane	**5**	-	<2	< 2	< 50			<2	< 2	< 20			<2	< 2	< 20		
2-Butanone (MEK)	-	**50**	<5	< 5	< 50			<5	< 5	< 20			<5	< 5	< 20		
4-Methyl-2-pentanone (MIBK)	**5**	-	<5	< 5	< 20			<5	< 5	< 10			<5	< 5	< 10		
Methylene Chloride	**5**	-	<5	< 5	< 10			<5	< 5	< 4			<5	< 5	< 4		
Total Xylene	**2**	-	<3	< 3	< 5			<3	< 3	<1			<3	< 3	< 1		
Styrene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Tetrachloroethene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Toluene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
trans-1,2-Dichloroethene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
trans-1,3-Dichloropropene	**0.4**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
trans-1,4-Dichloro-2-butene	**5**	-	<5	< 5	< 20			<5	< 5	< 10			<5	< 5	< 10		
Trichloroethene	**5**	-	<1	< 1	< 5			<1	< 1	<1			<1	< 1	< 1		
Trichlorofluoromethane	**5**	-	<3	< 3	< 5			<3	< 3	<1			<3	< 3	< 1		
Vinyl Acetate	**0.04**	-	<5	< 5	< 10			<5	< 5	< 4			<5	< 5	< 4		
Vinyl Chloride	**2**	-	<2	< 2	< 5			<2	< 2	<1			<2	< 2	< 1		

NA - Not Analyzed

Bold - Substances detected above method detection limits

TABLE 7 - HISTORICAL GROUNDWATER ANALYTICAL DATA - ORGANIC PARAMETERS

	Class GA Standard	Class GA Guidance	DGC-2D					DGC-3D					DGC-6D				
Sample Collection Date			12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023	12/27/2018	4/29/2020	7/13/2021	9/29/2022	11/30/2023
EPA 8260																	
Acetone	-	**50**	<10	< 10	< 10			<10	14	NA			<10	< 10	< 20		
1,2-Dichloroethane	-	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1-Dichloroethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1,1,2-Tetrachloroethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1,1-Trichloroethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1,2,2-Tetrachloroethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1,2-Trichloroethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,1-Dichloroethene	**0.6**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,2,3-Trichloropropane	**5**	-	<1	< 1	< 2			<1	< 1	NA			<1	< 1	< 4		
1,2-Dibromo-3-chloropropane	-	-	<1	< 2	< 5			<1	< 2	NA			<1	< 2	< 10		
1,2-Dibromoethane	-	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,2-Dichlorobenzene	**3**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,2-Dichloropropane	**1**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
1,4-Dichlorobenzene	**3**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
2-Hexanone	**5**	-	<5	< 5	< 5			<5	< 5	NA			<5	< 5	< 10		
Acrylonitrile	**5**	-	<5	< 5	< 5			<5	< 5	NA			<5	< 5	< 10		
Benzene	**1**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Bromochloromethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Bromodichloromethane	-	**50**	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Bromoform (Tribromomethane)	-	**50**	<1	< 2	< 1			<1	< 2	NA			<1	< 2	< 1		
Bromomethane	**5**	-	<3	< 3	< 1			<3	< 3	NA			<3	< 3	< 1		
Carbon Disulfide	-	-	<2	< 2	< 1			<2	< 2	NA			<2	< 2	< 1		
Carbon Tetrachloride	**5.00**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Chlorobenzene	**5.00**	-	<1	< 1	< 1			<1	< 1	NA			1.50	1.5	< 1		
Chloroethane	-	-	<3	< 3	< 1			<3	< 3	NA			<3	< 3	< 1		
Chloroform (Trichloromethane)	**7**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Chloromethane	**5**	-	<3	< 3	< 1			<3	< 3	NA			<3	< 3	< 1		
cis-1,2-Dichloroethene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
cis-1,3,Dichloropropene	**1**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Dibromochloromethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Dibromomethane	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Ethylbenzene	**0.4**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Iodomethane	**5**	-	<2	< 2	< 10			<2	< 2	NA			<2	< 2	< 20		
2-Butanone (MEK)	-	**50**	<5	< 5	< 10			<5	< 5	NA			<5	< 5	< 20		
4-Methyl-2-pentanone (MIBK)	**5**	-	<5	< 5	< 5			<5	< 5	NA			<5	< 5	< 10		
Methylene Chloride	**5**	-	<5	< 5	< 2			<5	< 5	NA			<5	< 5	< 4		
Total Xylene	**2**	-	<3	< 3	< 1			<3	< 3	NA			<3	< 3	< 1		
Styrene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Tetrachloroethene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Toluene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
trans-1,2-Dichloroethene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
trans-1,3-Dichloropropene	**0.4**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
trans-1,4-Dichloro-2-butene	**5**	-	<5	< 5	< 5			<5	< 5	NA			<5	< 5	< 10		
Trichloroethene	**5**	-	<1	< 1	< 1			<1	< 1	NA			<1	< 1	< 1		
Trichlorofluoromethane	**5**	-	<3	< 3	< 1			<3	< 3	NA			<3	< 3	< 1		
Vinyl Acetate	**0.04**	-	<5	< 5	< 2			<5	< 5	NA			<5	< 5	< 4		
Vinyl Chloride	**2**	-	<2	< 2	< 1			<2	< 2	NA			<2	< 2	< 1		

NA - Not Analyzed

Bold - Substances detected above method detection limits

TABLE 8 - HISTORICAL SURFACE WATER ANALYTICAL DATA - ORGANIC PARAMETERS

			SW-1				SW-2			
Date Sampled	Class C Standard		4/29/2020	7/13/2021	9/29/2022	11/30/2023	4/29/2020	7/13/2021	9/29/2022	11/30/2023
Acetone		ug/l	< 10	< 20	< 10	<0.005	< 10	< 50	< 10	<0.005
1,2-Dichloroethane	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
1,1-Dichloroethane	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
1,1,1,2-Tetrachloroethane	5	ug/l	< 1	< 2	< 1	<0.002	< 1	< 5	< 1	<0.002
1,1,1-Trichloroethane	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
1,1,2,2-Tetrachloroethane	5	ug/l	< 1	< 2	< 1	<0.0005	< 1	< 5	< 1	<0.0005
1,1,2-Trichloroethane	5	ug/l	< 1	< 2	< 1	<0.001	< 1	< 5	< 1	<0.001
1,1-Dichloroethene	0.6	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
1,2,3-Trichloropropane	5	ug/l	< 1	< 4	< 1	<0.005	< 1	< 10	< 1	<0.005
1,2-Dibromo-3-chloropropane		ug/l	< 2	< 10	< 1	<0.005	< 2	< 20	< 1	<0.005
1,2-Dibromoethane		ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
1,2-Dichlorobenzene		ug/l	< 1	< 2	< 1	<0.0029	< 1	< 5	< 1	<0.0029
1,2-Dichloropropane	5	ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
1,4-Dichlorobenzene	3	ug/l	< 1	< 2	< 1	<0.0005	< 1	< 5	< 1	<0.0005
2-Hexanone	5	ug/l	< 5	< 10	< 10	<0.0025	< 5	< 20	< 10	<0.0025
Acrylonitrile		ug/l	< 5	< 10	< 10	<0.0005	< 5	< 20	< 10	<0.0005
Benzene	1	ug/l	< 1	< 2	< 1	<0.002	< 1	< 5	< 1	<0.002
Bromochloromethane	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Bromodichloromethane	5	ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
Bromoform		ug/l	< 2	< 2	< 1	<0.0005	< 2	< 5	< 1	<0.0005
Bromomethane		ug/l	< 3	< 2	< 1	<0.0025	< 3	< 5	< 1	<0.0025
Carbon Disulfide		ug/l	< 2	< 2	< 1	<0.0025	< 2	< 5	< 1	<0.0025
Carbon Tetrachloride		ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Chlorobenzene	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Chloroethane	5	ug/l	< 3	< 2	< 1	<0.0025	< 3	< 5	< 1	<0.0025
Chloroform	5	ug/l	< 1	< 2	< 1	<0.0005	< 1	< 5	< 1	<0.0005
Chloromethane		ug/l	< 3	< 2	< 1	<0.0005	< 3	< 5	< 1	<0.0005
cis-1,2-Dichloroethene	5	ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
cis-1,3-Dichloropropene	1	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Dibromochloromethane	7	ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
Dibromomethane		ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Ethylbenzene	0.4	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Iodomethane		ug/l	< 2	< 20	< 5	<0.0025	< 2	< 50	< 5	<0.0025
MEK (2-Butanone)	5	ug/l	< 5	< 20	< 10	<0.0025	< 5	< 50	< 10	<0.0025
Methyl isobutyl ketone (MIBK)		ug/l	< 5	< 10	< 10	<0.0005	< 5	< 20	< 10	<0.0005
Methylene Chloride		ug/l	< 5	< 4	< 2	<0.0025	< 5	< 10	< 2	<0.0025
Xylenes, total	2	ug/l	< 3	< 2	< 1	<0.0025	< 3	< 5	< 1	<0.0025
Styrene		ug/l	< 1	< 2	< 1	<0.0005	< 1	< 5	< 1	<0.0005
Tetrachloroethene	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Toluene	5	ug/l	< 1	< 2	< 1	<0.0005	< 1	< 5	< 1	<0.0005
trans-1,2-Dichloroethene	5	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
trans-1,3-Dichloropropene	0.4	ug/l	< 1	< 2	< 1	<0.005	< 1	< 5	< 1	<0.005
trans-1,4-Dichloro-2-butene	5	ug/l	< 5	< 10	< 1	<0.001	< 5	< 20	< 1	<0.001
Trichloroethene	1	ug/l	< 1	< 2	< 1	<0.0025	< 1	< 5	< 1	<0.0025
Trichlorofluoromethane	5	ug/l	< 3	< 2	< 1	<0.0025	< 3	< 5	< 1	<0.0025
Vinyl Acetate	0.04	ug/l	< 5	< 4	< 10	<0.0025	< 5	< 10	< 10	<0.0025
Vinyl Chloride	2	ug/l	< 2	< 2	< 1	<0.0025	< 2	< 5	< 1	<0.0025

TABLE 9 - 2022 QUARTERLY LANDFILL GAS VENT MONITORING

Date Monitored	*4/1/2022*	*6/27/2022*	*8/24/2022*	*11/30/2023*	*4/23/2021*	*6/24/2021*	*9/30/2021*	*11/30/2023*	*4/23/2021*	*6/24/2021*	*9/30/2021*	*11/30/2023*	*4/23/2021*	*6/24/2021*	*9/30/2021*	*11/30/2023*
GAS VENT	**%LEL**	**%LEL**	**%LEL**	**%LEL**	**CO (ppm)**	**CO (ppm)**	**CO (ppm)**	**CO (ppm)**	**H_2S (ppm)**	**H_2S (ppm)**	**H_2S (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**PID (ppm)**	**PID (ppm)**	**PID (ppm)**
GV-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-3	>100	>100	>100	>100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-6	0.0	0.0	0.0	>100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-7	>100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-18	>100	>100	>100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-19	0.0	>100	>100	>100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GV-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
North Boundary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
East Boundary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Boundary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Boundary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 10 - 2022 QUARTERLY LANDFILL GAS VENT MONITORING

LOCATION		NY-TOGS-GA	779077 - MW-2SR		779078 - MW-4SR		779079 - DGC-3D		DUP - MW-4SR		Field Blank		873542-MW-2SR		873544-MW-4SR		873546/548-MW-6D		Field Blank		MW-2SR		MW-4SR		DGC-6D	
SAMPLING DATE			12/27/2018		12/27/2018		12/27/2018		12/27/2018		12/27/18		9/29/22		9/29/22		9/30/22		9/30/22		11/30/23		11/30/23		11/30/23	
LAB SAMPLE ID			779077		779078		779079		779081		779082		620-7439-1		873544		873546/548		873552		L2370660-11		L2370660-08		L2370660-06	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
Perfluorinated Alkyl Acids	Units		Result	Q	Result	Q	Result	Q	Result	Q			Result	Q	Result	Q	Result	Q			Result	Q	Result	Q	Result	Q
Perfluorobutanoic Acid (PFBA)	ug/l						0.0011	J					0.00535	H	0.0361						0.00706	J	0.0386	J		
Perfluoropentanoic Acid (PFPeA)	ug/l		0.0044		0.02				0.019				0.00494	H	0.0284						0.00782		0.0451			
Perfluorobutanesulfonic Acid (PFBS)	ug/l		0.0038		0.019				0.019				0.00425	H	0.0208						0.00478		0.0225			
Perfluorohexanoic Acid (PFHxA)	ug/l		0.0150	J	0.066	J			0.076	J			0.0108	H	0.0833						0.0121		0.0606			
Perfluoroheptanoic Acid (PFHpA)	ug/l		0.0080		0.036		0.00031	J	0.041				0.00554	H	0.0445						0.00549		0.0394			
Perfluorohexanesulfonic Acid (PFHxS)	ug/l		0.0016	J	0.044				0.039				0.00204	H	0.0499						0.00277		0.0718			
Perfluorooctanoic Acid (PFOA)	ug/l	6.7	0.0075		0.14	J	0.00065	J	0.14				0.00637	H	0.139						0.00799		0.187			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (4:2FTS)	ug/l																									
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ug/l																									
Perfluoroheptanesulfonic Acid (PFHpS)	ug/l				0.0067	J			0.0052	J					0.00629								0.00952	J		
Perfluorononanoic Acid (PFNA)	ug/l																									
Perfluorooctanesulfonic Acid (PFOS)	ug/l	2.7	0.0021		0.27				0.26				0.00289	H I	0.179						0.00255		0.265			
Perfluorodecanoic Acid (PFDA)	ug/l																									
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ug/l																									
N-MethylPerfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ug/l																									
Perfluoroundecanoic Acid (PFUnA)	ug/l																									
Perfluorodecanesulfonic Acid (PFDS)	ug/l																									
Perfluorooctanesulfonamide (PFOSA)	ug/l																									
N-EthylPerfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ug/l				0.014	J F2			0.013	J					0.0125								0.0364			
Perfluorododecanoic Acid (PFDoA)	ug/l																									
Perfluorotridecanoic Acid (PFTrDA)	ug/l																									
Perfluorotetradecanoic Acid (PFTeDA)	ug/l																									
Perfluorododecansulfonic Acid	ug/l																									
Perfluorononanesulfonic Acid (PFNS)	ug/l																									
Perfluoropentanesulfonic Acid (PFPeS)	ug/l												0.0029	H	0.0241								0.023			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ug/l																									
6:2 Fluorotelomer Sulfonic Acid	ug/l																									
8:2 Fluorotelomer Sulfonic Acid	ug/l																									
4:2 Fluorotelomer Sulfonic Acid	ug/l																									
	ug/l	USEPA Guidance Value																								
Total PFOS / PFOA	ug/l	0.07	0.0096		0.41		0.00065		0.4																	
Total PFOS / PFOAMinus Field Blank	ug/l		0.0096		0.41		0.00065		0.4																	
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ug/l																									
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ug/l																									
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ug/l																									
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ug/l																									
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ug/l																									
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ug/l																									
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ug/l																									
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ug/l																									
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ug/l																									
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ug/l																									
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ug/l																									
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ug/l																									
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ug/l																									
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ug/l																									
1,4 Dioxane	ug/l	0.45	3.2	J	52	J			53	J			2.2		79						2.76		49.5			

Notes:

PFOA / PFOS & 1,4 Dioxane compared to USEPA guidance value

Blank cells indicate undetected compounds

- Highlighted cell indicates the respective groundwater limitation exceeded.

"J" = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

"I" = Result is EMPC (estimated maximum possible concentration)

"E" = Result exceeded calibration range

"F2" = MS/MSD Relative Percent Difference (RPD) exceeds contral limits

APPENDIX A

LABORATORY ANALYTICAL DATA, CHAIN-OF-CUSTODY DOCUMENTATION, AND SAMPLE CHARACTERIZATION SHEETS

ANALYTICAL REPORT

Lab Number:	L2370660
Client:	C&S Companies 499 Col. Eileen Collins Blvd. Syracuse, NY 13212
ATTN:	Wayne Randall
Phone:	(315) 455-2000
Project Name:	CLAY ANNUAL SAMPLING-LANDFILL
Project Number:	195767023
Report Date:	12/17/23

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2370660-01	MW-11SR	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 08:00	11/30/23
L2370660-02	DGC-5	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 08:30	11/30/23
L2370660-03	MW-7S	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 09:00	11/30/23
L2370660-04	MW-8S	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 09:30	11/30/23
L2370660-05	MW-6SR	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 10:00	11/30/23
L2370660-06	DGC-6D	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 10:30	11/30/23
L2370660-07	MW-9S	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 11:00	11/30/23
L2370660-08	MW-4SR	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 11:30	11/30/23
L2370660-09	MW-10SR	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 12:00	11/30/23
L2370660-10	DGC-2D	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 12:30	11/30/23
L2370660-11	MW-2SR	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 13:00	11/30/23
L2370660-12	DGC-3S	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 13:30	11/30/23
L2370660-13	DGC-3D	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 14:00	11/30/23
L2370660-14	SW-2	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 14:30	11/30/23
L2370660-15	SW-1	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 15:00	11/30/23
L2370660-16	DUPLICATE	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 00:00	11/30/23
L2370660-17	TRIP BLANK	WATER	OAK ORCHARD RD, CLAY,NY	11/30/23 00:00	11/30/23

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

4/1/23					
CLAY LANDFILL GAS VENT MONITORING					
VENT	**%LEL**	**CO (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**Comments**
GV-1	0.0	0.0	0.0	0.0	
GV-2	0.0	0.0	0.0	0.0	
GV-3	>100	0.0	0.0	1.0	
GV-4	0.0	0.0	0.0	0.0	
GV-5	0.0	0.0	0.0	1.0	
GV-6	>100	0.0	0.0	1.0	
GV-7	>100	0.0	0.0	0.0	
GV-8	0.0	0.0	0.0	0.0	
GV-9	0.0	0.0	0.0	0.0	
GV-10	>100	0.0	0.0	0.0	
GV-11	>100	0.0	0.0	0.0	
GV-12	0.0	0.0	0.0	0.0	
GV-13	>100	0.0	0.0	0.0	
GV-14	0.0	0.0	0.0	0.0	
GV-15	0.0	0.0	0.0	1.0	
GV-16	0.0	0.0	0.0	0.0	
GV-17	>100	0.0	0.0	0.0	
GV-18	> 100	0.0	0.0	1.0	
GV-19	0.0	0.0	0.0	1.0	
GV-20	0.0	0.0	0.0	0.0	
GV-21	> 100	0.0	0.0	0.0	
GV-22	>100	0.0	0.0	1.0	
North Boundary	0.0	0.0	0.0	0.0	
East Boundary	0.0	0.0	0.0	0.0	
South Boundary	0.0	0.0	0.0	0.0	
West Boundary	0.0	0.0	0.0	0.0	
PZ-1 Water Level	feet	41.12			

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Case Narrative (continued)

Report Submission

December 17, 2023: This final report includes the results of all requested analyses.

December 11, 2023: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2370660-17: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Volatile Organics

L2370660-07D, -08D, and -16D: The sample has elevated detection limits due to the dilution required by the sample matrix (foam).

Perfluorinated Alkyl Acids by 1633

L2370660-08: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2370660-08 and -11: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1859937-2 LCS recovery, associated with L2370660-06, -08, and -11, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (156%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1859937-3 LCS recovery, associated with L2370660-06, -08, and -11, is above the acceptance criteria for nonafluoro-3,6-dioxaheptanoic acid (nfdha) (174%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1859937-4/-5 MS/MSD recoveries, performed on L2370660-06, are outside the acceptance criteria

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Case Narrative (continued)

for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (MSD 158%) and nonafluoro-3,6-dioxaheptanoic acid (nfdha) (183%/197%).

BOD, 5 day

L2370660-02, -06, -08, -14, and -16: The sample was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

Color, Apparent

L2370660-06: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Nitrogen, Ammonia

L2370660-14: The sample has an elevated detection limit due to the dilution required by the sample matrix.
The WG1861055-4 MS recovery, performed on L2370660-16, is outside the acceptance criteria for nitrogen, ammonia (64%); however, the associated LCS recovery is within criteria. No further action was taken.

Anions by Ion Chromatography

The WG1858644-3/-4 MS/MSD recoveries, performed on L2370660-06, are outside the acceptance criteria for bromide (86%/89%); however, the associated LCS recovery is within criteria. No further action was taken.
The WG1858835-3 MS recovery, performed on L2370660-13, is outside the acceptance criteria for bromide (136%); however, the associated LCS recovery is within criteria. No further action was taken.
The WG1858835-4 Laboratory Duplicate RPD for chloride (20%), performed on L2370660-13, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Chemical Oxygen Demand

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Case Narrative (continued)

The WG1860114-3 Laboratory Duplicate RPD for chemical oxygen demand (37%), performed on L2370660-11, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Total Organic Carbon

The WG1860243-3 Laboratory Duplicate RPD for total organic carbon (24%), performed on L2370660-06, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 12/17/23

ORGANICS

VOLATILES

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-01 Date Collected: 11/30/23 08:00
Client ID: MW-11SR Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 16:43
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-01 Date Collected: 11/30/23 08:00

Client ID: MW-11SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	99		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-02 Date Collected: 11/30/23 08:30
Client ID: DGC-5 Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 17:05
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-02 Date Collected: 11/30/23 08:30

Client ID: DGC-5 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	7.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-03 Date Collected: 11/30/23 09:00
Client ID: MW-7S Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 17:27
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-03 Date Collected: 11/30/23 09:00

Client ID: MW-7S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	108		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-04 Date Collected: 11/30/23 09:30
Client ID: MW-8S Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 17:49
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-04 Date Collected: 11/30/23 09:30

Client ID: MW-8S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	3.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	79		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	105		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-05 Date Collected: 11/30/23 10:00
Client ID: MW-6SR Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 18:11
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	1.2	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.38	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-05 Date Collected: 11/30/23 10:00

Client ID: MW-6SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	79		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06 Date Collected: 11/30/23 10:30
Client ID: DGC-6D Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 18:33
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06 Date Collected: 11/30/23 10:30

Client ID: DGC-6D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	**152**	Q	70-130
Dibromofluoromethane	109		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-07 D
Client ID: MW-9S
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/08/23 02:17
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	56		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	11		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-07 D
Client ID: MW-9S
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	3.9	J	ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Dibromomethane	ND		ug/l	20	4.0	4
1,2,3-Trichloropropane	ND		ug/l	10	2.8	4
Acrylonitrile	ND		ug/l	20	6.0	4
Styrene	ND		ug/l	10	2.8	4
Acetone	ND		ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
Vinyl acetate	ND		ug/l	20	4.0	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,1,1,2-Tetrachloroethane	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
trans-1,4-Dichloro-2-butene	ND		ug/l	10	2.8	4
Iodomethane	ND		ug/l	20	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08 D
Client ID: MW-4SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/08/23 02:39
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	10	2.8	4
1,1-Dichloroethane	ND		ug/l	10	2.8	4
Chloroform	ND		ug/l	10	2.8	4
Carbon tetrachloride	ND		ug/l	2.0	0.54	4
1,2-Dichloropropane	ND		ug/l	4.0	0.55	4
Dibromochloromethane	ND		ug/l	2.0	0.60	4
1,1,2-Trichloroethane	ND		ug/l	6.0	2.0	4
Tetrachloroethene	ND		ug/l	2.0	0.72	4
Chlorobenzene	34		ug/l	10	2.8	4
Trichlorofluoromethane	ND		ug/l	10	2.8	4
1,2-Dichloroethane	ND		ug/l	2.0	0.53	4
1,1,1-Trichloroethane	ND		ug/l	10	2.8	4
Bromodichloromethane	ND		ug/l	2.0	0.77	4
trans-1,3-Dichloropropene	ND		ug/l	2.0	0.66	4
cis-1,3-Dichloropropene	ND		ug/l	2.0	0.58	4
Bromoform	ND		ug/l	8.0	2.6	4
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	0.67	4
Benzene	5.0		ug/l	2.0	0.64	4
Toluene	ND		ug/l	10	2.8	4
Ethylbenzene	ND		ug/l	10	2.8	4
Chloromethane	ND		ug/l	10	2.8	4
Bromomethane	ND		ug/l	10	2.8	4
Vinyl chloride	ND		ug/l	4.0	0.28	4
Chloroethane	ND		ug/l	10	2.8	4
1,1-Dichloroethene	ND		ug/l	2.0	0.68	4
trans-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Trichloroethene	ND		ug/l	2.0	0.70	4
1,2-Dichlorobenzene	ND		ug/l	10	2.8	4

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08 D
Client ID: MW-4SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	4.7	J	ug/l	10	2.8	4
p/m-Xylene	ND		ug/l	10	2.8	4
o-Xylene	ND		ug/l	10	2.8	4
cis-1,2-Dichloroethene	ND		ug/l	10	2.8	4
Dibromomethane	ND		ug/l	20	4.0	4
1,2,3-Trichloropropane	ND		ug/l	10	2.8	4
Acrylonitrile	ND		ug/l	20	6.0	4
Styrene	ND		ug/l	10	2.8	4
Acetone	19	J	ug/l	20	5.8	4
Carbon disulfide	ND		ug/l	20	4.0	4
2-Butanone	ND		ug/l	20	7.8	4
Vinyl acetate	ND		ug/l	20	4.0	4
4-Methyl-2-pentanone	ND		ug/l	20	4.0	4
2-Hexanone	ND		ug/l	20	4.0	4
Bromochloromethane	ND		ug/l	10	2.8	4
1,2-Dibromoethane	ND		ug/l	8.0	2.6	4
1,1,1,2-Tetrachloroethane	ND		ug/l	10	2.8	4
1,2-Dibromo-3-chloropropane	ND		ug/l	10	2.8	4
trans-1,4-Dichloro-2-butene	ND		ug/l	10	2.8	4
Iodomethane	ND		ug/l	20	1.6	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-09 Date Collected: 11/30/23 12:00
Client ID: MW-10SR Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 19:14
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-09 Date Collected: 11/30/23 12:00

Client ID: MW-10SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-10 Date Collected: 11/30/23 12:30
Client ID: DGC-2D Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 19:36
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-10 Date Collected: 11/30/23 12:30

Client ID: DGC-2D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11 Date Collected: 11/30/23 13:00
Client ID: MW-2SR Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 19:59
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11 Date Collected: 11/30/23 13:00

Client ID: MW-2SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-12 Date Collected: 11/30/23 13:30
Client ID: DGC-3S Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 20:21
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-12 Date Collected: 11/30/23 13:30

Client ID: DGC-3S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-13
Client ID: DGC-3D
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 14:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 20:43
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-13 Date Collected: 11/30/23 14:00

Client ID: DGC-3D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-14
Client ID: SW-2
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 14:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 21:05
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-14 Date Collected: 11/30/23 14:30

Client ID: SW-2 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	2.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-15 Date Collected: 11/30/23 15:00
Client ID: SW-1 Date Received: 11/30/23
Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 21:28
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-15 Date Collected: 11/30/23 15:00

Client ID: SW-1 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-16 D
Client ID: DUPLICATE
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 00:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/07/23 21:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	ND		ug/l	2.5	0.90	5
Chlorobenzene	32		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	4.8		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	ND		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-16 D
Client ID: DUPLICATE
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 00:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	4.4	J	ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Acetone	23	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5
Iodomethane	ND		ug/l	25	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-17
Client ID: TRIP BLANK
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 00:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/09/23 09:02
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-17 Date Collected: 11/30/23 00:00

Client ID: TRIP BLANK Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Iodomethane	ND		ug/l	5.0	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 11:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1861344-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 11:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1861344-5					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	104		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 18:52
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-16 Batch: WG1861357-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/07/23 18:52
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-16 Batch: WG1861357-5					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/23 08:40
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1862013-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/09/23 08:40
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17 Batch: WG1862013-5					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1861344-3 WG1861344-4								
Methylene chloride	93		80		70-130	15		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	90		88		70-130	2		20
Carbon tetrachloride	88		84		63-132	5		20
1,2-Dichloropropane	82		84		70-130	2		20
Dibromochloromethane	80		84		63-130	5		20
1,1,2-Trichloroethane	86		86		70-130	0		20
Tetrachloroethene	97		100		70-130	3		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	80		78		62-150	3		20
1,2-Dichloroethane	83		81		70-130	2		20
1,1,1-Trichloroethane	86		84		67-130	2		20
Bromodichloromethane	77		77		67-130	0		20
trans-1,3-Dichloropropene	82		84		70-130	2		20
cis-1,3-Dichloropropene	74		75		70-130	1		20
Bromoform	88		86		54-136	2		20
1,1,2,2-Tetrachloroethane	100		96		67-130	4		20
Benzene	87		88		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	84		82		64-130	2		20
Bromomethane	68		66		39-139	3		20
Vinyl chloride	68		66		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1861344-3 WG1861344-4								
Chloroethane	80		72		55-138	11		20
1,1-Dichloroethene	99		83		61-145	18		20
trans-1,2-Dichloroethene	91		88		70-130	3		20
Trichloroethene	79		81		70-130	3		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	90		93		70-130	3		20
Dibromomethane	83		78		70-130	6		20
1,2,3-Trichloropropane	96		90		64-130	6		20
Acrylonitrile	110		98		70-130	12		20
Styrene	105		110		70-130	5		20
Acetone	100		86		58-148	15		20
Carbon disulfide	98		85		51-130	14		20
2-Butanone	82		79		63-138	4		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	88		78		59-130	12		20
2-Hexanone	100		96		57-130	4		20
Bromochloromethane	88		84		70-130	5		20
1,2-Dibromoethane	86		87		70-130	1		20
1,1,1,2-Tetrachloroethane	86		89		64-130	3		20
1,2-Dibromo-3-chloropropane	94		88		41-144	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1861344-3 WG1861344-4								
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20
Iodomethane	**53**	Q	**48**	Q	70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		87		70-130
Toluene-d8	111		112		70-130
4-Bromofluorobenzene	114		113		70-130
Dibromofluoromethane	99		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-16 Batch: WG1861357-3 WG1861357-4								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	100		99		70-130	1		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	100		99		63-130	1		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		97		67-130	3		20
Bromodichloromethane	100		97		67-130	3		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		99		64-130	1		20
Bromomethane	97		93		39-139	4		20
Vinyl chloride	97		91		55-140	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-16 Batch: WG1861357-3 WG1861357-4								
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	110		105		70-130	5		20
Acetone	110		120		58-148	9		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	91		90		70-130	1		20
4-Methyl-2-pentanone	92		93		59-130	1		20
2-Hexanone	100		110		57-130	10		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-16 Batch: WG1861357-3 WG1861357-4								
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20
Iodomethane	83		85		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		105		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1862013-3 WG1862013-4								
Methylene chloride	100		96		70-130	4		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	100		96		70-130	4		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	98		93		70-130	5		20
Dibromochloromethane	96		92		63-130	4		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	100		94		70-130	6		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	100		97		70-130	3		20
1,1,1-Trichloroethane	100		94		67-130	6		20
Bromodichloromethane	99		94		67-130	5		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	97		92		54-136	5		20
1,1,2,2-Tetrachloroethane	110		99		67-130	11		20
Benzene	100		98		70-130	2		20
Toluene	100		97		70-130	3		20
Ethylbenzene	100		97		70-130	3		20
Chloromethane	95		88		64-130	8		20
Bromomethane	110		100		39-139	10		20
Vinyl chloride	100		95		55-140	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1862013-3 WG1862013-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	100		96		61-145	4		20
trans-1,2-Dichloroethene	100		96		70-130	4		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	110		98		70-130	12		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		96		70-130	4		20
Dibromomethane	100		95		70-130	5		20
1,2,3-Trichloropropane	110		99		64-130	11		20
Acrylonitrile	99		96		70-130	3		20
Styrene	105		100		70-130	5		20
Acetone	96		100		58-148	4		20
Carbon disulfide	100		97		51-130	3		20
2-Butanone	92		95		63-138	3		20
Vinyl acetate	100		96		70-130	4		20
4-Methyl-2-pentanone	79		77		59-130	3		20
2-Hexanone	89		89		57-130	0		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	100		95		70-130	5		20
1,1,1,2-Tetrachloroethane	100		94		64-130	6		20
1,2-Dibromo-3-chloropropane	90		84		41-144	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17 Batch: WG1862013-3 WG1862013-4								
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20
Iodomethane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1861344-6 WG1861344-7 QC Sample: L2370660-06 Client ID: DGC-6D												
Methylene chloride	ND	10	8.1	81		12	120		70-130	**39**	Q	20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	10	100		10	100		63-132	0		20
1,2-Dichloropropane	ND	10	9.6	96		10	100		70-130	4		20
Dibromochloromethane	ND	10	9.5	95		10	100		63-130	5		20
1,1,2-Trichloroethane	ND	10	10	100		11	110		70-130	10		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	12	120		12	120		75-130	0		20
Trichlorofluoromethane	ND	10	8.8	88		9.3	93		62-150	6		20
1,2-Dichloroethane	ND	10	9.9	99		10	100		70-130	1		20
1,1,1-Trichloroethane	ND	10	10	100		11	110		67-130	10		20
Bromodichloromethane	ND	10	9.1	91		9.6	96		67-130	5		20
trans-1,3-Dichloropropene	ND	10	9.3	93		9.8	98		70-130	5		20
cis-1,3-Dichloropropene	ND	10	7.8	78		8.4	84		70-130	7		20
Bromoform	ND	10	11	110		12	120		54-136	9		20
1,1,2,2-Tetrachloroethane	ND	10	9.5	95		12	120		67-130	**23**	Q	20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	12	120		12	120		70-130	0		20
Ethylbenzene	ND	10	12	120		12	120		70-130	0		20
Chloromethane	ND	10	9.4	94		9.3	93		64-130	1		20
Bromomethane	ND	10	6.7	67		7.8	78		39-139	15		20
Vinyl chloride	ND	10	8.0	80		8.6	86		55-140	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1861344-6 WG1861344-7 QC Sample: L2370660-06 Client ID: DGC-6D												
Chloroethane	ND	10	9.2	92		9.6	96		55-138	4		20
1,1-Dichloroethene	ND	10	8.0	80		12	120		61-145	**40**	Q	20
trans-1,2-Dichloroethene	ND	10	7.8	78		11	110		70-130	**34**	Q	20
Trichloroethene	ND	10	9.2	92		9.8	98		70-130	6		20
1,2-Dichlorobenzene	ND	10	12	120		13	130		70-130	8		20
1,4-Dichlorobenzene	ND	10	11	110		12	120		70-130	9		20
p/m-Xylene	ND	20	24	120		25	125		70-130	4		20
o-Xylene	ND	20	24	120		25	125		70-130	4		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	9.7	97		10	100		70-130	3		20
1,2,3-Trichloropropane	ND	10	9.2	92		12	120		64-130	**26**	Q	20
Acrylonitrile	ND	10	12	120		13	130		70-130	8		20
Styrene	ND	20	24	120		26	130		70-130	8		20
Acetone	ND	10	10	100		14	140		58-148	**33**	Q	20
Carbon disulfide	ND	10	8.0	80		12	120		51-130	**40**	Q	20
2-Butanone	ND	10	10	100		11	110		63-138	10		20
Vinyl acetate	ND	10	14	**140**	Q	15	**150**	Q	70-130	7		20
4-Methyl-2-pentanone	ND	10	9.4	94		10	100		59-130	6		20
2-Hexanone	ND	10	12	120		12	120		57-130	0		20
Bromochloromethane	ND	10	10	100		11	110		70-130	10		20
1,2-Dibromoethane	ND	10	10	100		11	110		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		11	110		64-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	11	110		12	120		41-144	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1861344-6 WG1861344-7 QC Sample: L2370660-06 Client ID: DGC-6D												
trans-1,4-Dichloro-2-butene	ND	10	11	110		15	**150**	Q	70-130	**31**	Q	20
Iodomethane	ND	10	3.1J	**31**	Q	5.7	**57**	Q	70-130	**59**	Q	20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	100		99		70-130
Toluene-d8	111		109		70-130

SEMIVOLATILES

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06
Client ID: DGC-6D
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 10:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/08/23 00:13
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 12/06/23 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	46		15-110

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06
Client ID: DGC-6D
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 10:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 12/12/23 02:07
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.00	0.960	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.00	0.803	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.50	0.503	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.00	1.57	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.50	0.443	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.50	0.262	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.50	0.300	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.50	0.360	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.50	0.653	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.00	2.02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.50	0.405	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.50	0.473	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.50	0.683	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.50	0.608	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.00	2.33	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.50	0.465	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.50	0.818	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.50	0.653	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.50	0.345	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.50	0.405	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.50	0.810	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.50	0.690	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.50	0.563	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.50	0.398	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.00	0.840	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.00	0.945	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.50	0.570	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06 Date Collected: 11/30/23 10:30

Client ID: DGC-6D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.00	1.24	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.00	1.24	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.50	0.653	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.50	0.690	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	15.0	3.52	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	15.0	1.84	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.00	0.428	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.00	0.398	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.00	0.330	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.00	1.77	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	7.50	2.48	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	37.5	8.78	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	37.5	5.92	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06 Date Collected: 11/30/23 10:30

Client ID: DGC-6D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	76		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	101		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	63		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	67		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	66		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	61		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	48		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	52		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	51		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	61		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	82		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	49		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	64		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	64		20-150

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08
Client ID: MW-4SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/07/23 23:23
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 12/06/23 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	49500		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	51		15-110

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08
Client ID: MW-4SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 11:30
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 12/12/23 02:45
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	38.6	J	ng/l	64.0	10.2	1
Perfluoropentanoic Acid (PFPeA)	45.1		ng/l	32.0	8.56	1
Perfluorobutanesulfonic Acid (PFBS)	22.5		ng/l	16.0	5.36	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	64.0	16.7	1
Perfluorohexanoic Acid (PFHxA)	60.6		ng/l	16.0	4.72	1
Perfluoropentanesulfonic Acid (PFPeS)	23.0		ng/l	16.0	2.80	1
Perfluoroheptanoic Acid (PFHpA)	39.4		ng/l	16.0	3.20	1
Perfluorohexanesulfonic Acid (PFHxS)	71.8		ng/l	16.0	3.84	1
Perfluorooctanoic Acid (PFOA)	187		ng/l	16.0	6.96	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	64.0	21.6	1
Perfluoroheptanesulfonic Acid (PFHpS)	9.52	J	ng/l	16.0	4.32	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	16.0	5.04	1
Perfluorooctanesulfonic Acid (PFOS)	265		ng/l	16.0	7.28	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	16.0	6.48	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	64.0	24.9	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	16.0	4.96	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	16.0	8.72	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	16.0	6.96	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	16.0	3.68	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	16.0	4.32	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	36.4		ng/l	16.0	8.64	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	16.0	7.36	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	16.0	6.00	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	16.0	4.24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	64.0	8.96	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	64.0	10.1	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	16.0	6.08	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08 Date Collected: 11/30/23 11:30

Client ID: MW-4SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	64.0	13.2	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	64.0	13.2	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	16.0	6.96	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	16.0	7.36	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	160	37.6	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	160	19.6	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	32.0	4.56	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	32.0	4.24	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	32.0	3.52	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	32.0	18.9	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	80.0	26.4	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	400	93.6	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	400	63.1	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08 Date Collected: 11/30/23 11:30

Client ID: MW-4SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	70		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**233**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	75		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	146		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	58		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	111		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	60		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	58		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	54		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	60		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	62		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	40		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	69		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	70		20-150

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11
Client ID: MW-2SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 13:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/07/23 23:49
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 12/06/23 12:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	2760		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	50		15-110

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11
Client ID: MW-2SR
Sample Location: OAK ORCHARD RD, CLAY,NY

Date Collected: 11/30/23 13:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 12/12/23 02:58
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.06	J	ng/l	7.50	1.20	1
Perfluoropentanoic Acid (PFPeA)	7.82		ng/l	3.75	1.00	1
Perfluorobutanesulfonic Acid (PFBS)	4.78		ng/l	1.88	0.628	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	7.50	1.96	1
Perfluorohexanoic Acid (PFHxA)	12.1		ng/l	1.88	0.553	1
Perfluoropentanesulfonic Acid (PFPeS)	3.35		ng/l	1.88	0.328	1
Perfluoroheptanoic Acid (PFHpA)	5.49		ng/l	1.88	0.375	1
Perfluorohexanesulfonic Acid (PFHxS)	2.77		ng/l	1.88	0.450	1
Perfluorooctanoic Acid (PFOA)	7.99		ng/l	1.88	0.816	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	7.50	2.53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.88	0.506	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.88	0.591	1
Perfluorooctanesulfonic Acid (PFOS)	2.55		ng/l	1.88	0.854	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.88	0.760	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	7.50	2.92	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.88	0.582	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.88	1.02	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.88	0.816	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.88	0.432	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.88	0.506	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.88	1.01	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.88	0.863	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.88	0.704	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.88	0.497	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	7.50	1.05	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	7.50	1.18	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.88	0.713	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11 Date Collected: 11/30/23 13:00

Client ID: MW-2SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	7.50	1.55	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	7.50	1.55	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.88	0.816	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.88	0.863	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	18.8	4.41	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	18.8	2.30	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.75	0.535	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.75	0.497	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.75	0.413	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.75	2.21	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	9.38	3.10	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	46.9	11.0	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	46.9	7.40	1

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11 Date Collected: 11/30/23 13:00

Client ID: MW-2SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	63		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	66		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	**177**	Q	20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	68		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	68		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	62		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	60		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	56		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	60		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	43		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	58		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	47		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	78		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	42		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	46		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	63		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	62		20-150

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 12/11/23 21:30
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 06,08,11 Batch: WG1859937-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	6.40	1.67
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.60	0.280
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.60	0.496
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/l	6.40	0.896
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	6.40	1.01
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/l	1.60	0.608

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 12/11/23 21:30
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 06,08,11 Batch: WG1859937-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/l	6.40	1.32
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/l	6.40	1.32
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/l	1.60	0.696
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/l	1.60	0.736
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/l	16.0	3.76
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/l	16.0	1.96
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/l	3.20	0.456
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/l	3.20	0.424
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/l	3.20	0.352
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/l	3.20	1.89
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/l	8.00	2.64
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/l	40.0	9.36
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/l	40.0	6.31

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 12/11/23 21:30
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 12/05/23 11:51

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 06,08,11 Batch: WG1859937-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	73		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	72		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	73		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	67		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	68		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	73		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	65		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	49		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	58		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	50		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	52		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	52		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	62		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	69		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	43		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	71		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	66		20-150

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/07/23 08:54
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 12/06/23 12:21

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 06,08,11 Batch: WG1860421-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	115		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	120		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	129		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	127		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	119		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	115		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	126		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	106		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	121		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	123		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	120		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	93		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	119		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTrDA)	114		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	116		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	110		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	110		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	107		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	96		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	84		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	89		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	103		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	108		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	130		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	113		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	103		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	**156**	Q	-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	101		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	89		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	63		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	75				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	79				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	56				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	71				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	54				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	85				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	42				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	45				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	83				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	81				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-3								
Perfluorobutanoic Acid (PFBA)	124		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	124		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	131		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	131		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	119		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	131		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	126		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	137		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	136		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	123		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	134		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	148		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	102		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	130		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	129		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	98		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	117		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	141		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	117		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-3								
Perfluorotridecanoic Acid (PFTrDA)	135		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	124		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	96		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	96		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	108		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	83		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	80		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	144		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	131		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	118		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	117		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	137		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	124		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	109		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	**174**	Q	-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	120		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	114		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	109		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 Batch: WG1859937-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	85				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	84				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	77				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	63				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	86				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	107				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	43				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	48				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	93				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	87				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 06,08,11		Batch: WG1860421-2 WG1860421-3					
1,4-Dioxane	110		112		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		52		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 QC Batch ID: WG1859937-4 WG1859937-5 QC Sample: L2370660-06 Client ID: DGC-6D												
Perfluorobutanoic Acid (PFBA)	ND	75.1	97.6	130		88.4	120		40-150	10		30
Perfluoropentanoic Acid (PFPeA)	ND	37.5	48.6	129		37.1	100		40-150	27		30
Perfluorobutanesulfonic Acid (PFBS)	ND	16.6	21.1	127		19.3	118		40-150	9		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	70.4	89.9	128		74.8	108		40-150	18		30
Perfluorohexanoic Acid (PFHxA)	ND	18.8	19.6	104		21.6	117		40-150	10		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	17.7	22.7	129		21.4	123		40-150	6		30
Perfluoroheptanoic Acid (PFHpA)	ND	18.8	24.5	131		24.2	131		40-150	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	17.2	21.6	126		21.3	126		40-150	1		30
Perfluorooctanoic Acid (PFOA)	ND	18.8	24.0	128		21.0	114		40-150	13		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	71.3	94.1	132		75.8	108		40-150	22		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.9	20.2	113		17.4	99		40-150	15		30
Perfluorononanoic Acid (PFNA)	ND	18.8	25.3	135		19.5	105		40-150	26		30
Perfluorooctanesulfonic Acid (PFOS)	ND	17.4	17.3	99		17.5	102		40-150	1		30
Perfluorodecanoic Acid (PFDA)	ND	18.8	24.3	129		21.4	116		40-150	13		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	72.1	107	148		88.4	125		40-150	19		30
Perfluorononanesulfonic Acid (PFNS)	ND	18	20.1	111		18.4	103		40-150	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.8	25.5	136		29.2	**158**	Q	40-150	14		30
Perfluoroundecanoic Acid (PFUnA)	ND	18.8	25.1	134		21.7	117		40-150	15		30
Perfluorodecanesulfonic Acid (PFDS)	ND	18.1	20.9	115		17.6	99		40-150	17		30
Perfluorooctanesulfonamide (PFOSA)	ND	18.8	22.6	120		22.0	119		40-150	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.8	23.4F	125		24.5F	133		40-150	5		30
Perfluorododecanoic Acid (PFDoA)	ND	18.8	22.9	122		24.9	135		40-150	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 QC Batch ID: WG1859937-4 WG1859937-5 QC Sample: L2370660-06 Client ID: DGC-6D												
Perfluorotridecanoic Acid (PFTrDA)	ND	18.8	23.5	125		24.9	135		40-150	6		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.8	25.2	134		26.9	146		40-150	7		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	75.1	111	148		87.3	118		40-150	24		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	70.9	79.8	112		70.7	101		40-150	12		30
Perfluorododecanesulfonic Acid (PFDoS)	ND	18.2	22.7	125		20.0	112		40-150	13		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	70.2	72.9	104		61.0	88		40-150	18		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	70.9	66.9	94		63.6	91		40-150	5		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.8	22.2	118		26.5	143		40-150	18		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.8	23.2	124		26.1	141		40-150	12		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	188	226	120		242	131		40-150	7		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	188	252	134		233	126		40-150	8		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	37.5	47.5	127		39.5	107		40-150	18		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	37.5	48.8	130		36.0	97		40-150	30		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	33.4	36.4	109		38.2	116		40-150	5		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	37.5	68.8	**183**	Q	72.9	**197**	Q	40-150	6		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND	93.8	99.4	106		91.0	98		40-150	9		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	469	530	113		538	116		40-150	1		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	469	696	148		674	146		40-150	3		30

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 QC Batch ID: WG1859937-4 WG1859937-5 QC Sample: L2370660-06 Client ID: DGC-6D

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	65		77		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	72		87		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	65		82		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	56		49		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	53		52		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	67		70		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	58		50		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	48		51		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	72		72		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	62		66		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56		57		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	56		66		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	61		70		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	58		75		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	56		74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	66		80		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	60		77		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		63		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	65		71		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	62		74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		100		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	65		77		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	57		71		20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL ***Lab Number:*** L2370660

Project Number: 195767023 ***Report Date:*** 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06,08,11 QC Batch ID: WG1859937-4 WG1859937-5 QC Sample: L2370660-06 Client ID: DGC-6D												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	71		97		20-150

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 06,08,11 QC Batch ID: WG1860421-4 WG1860421-5 QC Sample: L2370660-06 Client ID: DGC-6D												
1,4-Dioxane	ND	4460	5040	113		5140	111		40-140	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		49		15-110

METALS

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-01 Date Collected: 11/30/23 08:00

Client ID: MW-11SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0385		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00418		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Barium, Total	0.2567		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Boron, Total	0.267		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 19:56	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00007	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Calcium, Total	109.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 19:56	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00096	J	mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00058		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Copper, Total	0.00075	J	mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Iron, Total	0.555		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Magnesium, Total	50.0		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 19:56	EPA 3005A	1,6010D	TAA
Manganese, Total	0.4627		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:27	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00752		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Potassium, Total	0.590		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Sodium, Total	45.2		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00439	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:23	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	478.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 19:56	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-02 Date Collected: 11/30/23 08:30

Client ID: DGC-5 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.85		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.05790		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Barium, Total	0.4803		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00013	J	mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Boron, Total	0.0139	J	mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:01	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00006	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Calcium, Total	192.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:01	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00361		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00441		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Copper, Total	0.00586		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Iron, Total	32.3		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Lead, Total	0.00312		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Magnesium, Total	38.3		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:01	EPA 3005A	1,6010D	TAA
Manganese, Total	2.906		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:31	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00792		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Potassium, Total	1.85		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Sodium, Total	1.48		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00569		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Zinc, Total	0.02376		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:28	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	638.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:01	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-03 Date Collected: 11/30/23 09:00

Client ID: MW-7S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0218		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00060	J	mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00555		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Barium, Total	0.2214		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Boron, Total	0.0101	J	mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:06	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00010	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Calcium, Total	186.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:06	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00122		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Copper, Total	0.00206		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Iron, Total	0.674		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Magnesium, Total	22.4		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:06	EPA 3005A	1,6010D	TAA
Manganese, Total	0.02462		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:41	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00379		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Potassium, Total	1.73		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Sodium, Total	2.12		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00269	J	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00482	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:32	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	557.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:06	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-04 Date Collected: 11/30/23 09:30

Client ID: MW-8S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.589		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.1690		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Barium, Total	0.3869		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Boron, Total	0.463		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:10	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00012	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Calcium, Total	87.8		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:10	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00357		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00126		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Copper, Total	0.00267		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Iron, Total	10.6		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Lead, Total	0.00126		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Magnesium, Total	72.0		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:10	EPA 3005A	1,6010D	TAA
Manganese, Total	0.3658		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:44	EPA 7470A	1,7470A	GMG
Nickel, Total	0.01116		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Potassium, Total	1.24		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Sodium, Total	209.		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00183	J	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Zinc, Total	0.02887		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:37	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	516.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:10	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-05 Date Collected: 11/30/23 10:00

Client ID: MW-6SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.792		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Antimony, Total	0.00048	J	mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.09635		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Barium, Total	1.509		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Boron, Total	0.559		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:15	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Calcium, Total	98.6		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:15	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00307		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00529		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Copper, Total	0.00736		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Iron, Total	7.27		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Lead, Total	0.00223		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Magnesium, Total	63.1		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:15	EPA 3005A	1,6010D	TAA
Manganese, Total	0.2700		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:47	EPA 7470A	1,7470A	GMG
Nickel, Total	0.01927		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Potassium, Total	30.0		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Sodium, Total	111.		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00338	J	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Zinc, Total	0.01008		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 17:37	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	506.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:15	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06 Date Collected: 11/30/23 10:30

Client ID: DGC-6D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.04		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00868		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Barium, Total	0.1668		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Boron, Total	0.0345		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:20	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Calcium, Total	38.8		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:20	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00204		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00084		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Copper, Total	0.00319		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Iron, Total	1.71		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Lead, Total	0.00323		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Magnesium, Total	19.8		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:20	EPA 3005A	1,6010D	TAA
Manganese, Total	0.07863		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:17	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00190	J	mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Potassium, Total	1.94		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Sodium, Total	6.98		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Thallium, Total	0.00018	J	mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00197	J	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00794	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:19	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	178.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:20	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-07 Date Collected: 11/30/23 11:00

Client ID: MW-9S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.180		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.08224		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Barium, Total	1.230		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Boron, Total	0.865		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:53	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Calcium, Total	80.4		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:53	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00391		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00972		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Copper, Total	0.00194		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Iron, Total	4.75		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Lead, Total	0.00053	J	mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Magnesium, Total	64.8		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:53	EPA 3005A	1,6010D	TAA
Manganese, Total	0.04622		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:51	EPA 7470A	1,7470A	GMG
Nickel, Total	0.04875		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Potassium, Total	77.6		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Sodium, Total	252.		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00558		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00814	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 15:58	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	467.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:53	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08 Date Collected: 11/30/23 11:30

Client ID: MW-4SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.02		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.03780		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Barium, Total	0.8449		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00014	J	mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Boron, Total	1.06		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 20:58	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00019	J	mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Calcium, Total	132.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 20:58	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00653		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00917		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Copper, Total	0.00861		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Iron, Total	21.7		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Lead, Total	0.01285		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Magnesium, Total	56.0		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 20:58	EPA 3005A	1,6010D	TAA
Manganese, Total	0.9224		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:54	EPA 7470A	1,7470A	GMG
Nickel, Total	0.02429		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Potassium, Total	81.5		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Sodium, Total	160.		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00663		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Zinc, Total	0.06010		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:03	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	560.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 20:58	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-09 Date Collected: 11/30/23 12:00

Client ID: MW-10SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.684		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00952		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Barium, Total	0.1747		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Boron, Total	0.168		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:03	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Calcium, Total	56.2		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:03	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00203		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00063		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Copper, Total	0.00226		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Iron, Total	1.60		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Lead, Total	0.00117		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Magnesium, Total	58.5		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:03	EPA 3005A	1,6010D	TAA
Manganese, Total	0.1179		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:57	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00252		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Potassium, Total	2.34		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Sodium, Total	30.0		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00558	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:07	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	381.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:03	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-10 Date Collected: 11/30/23 12:30

Client ID: DGC-2D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0847		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00185		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Barium, Total	0.1315		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Boron, Total	0.0691		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:07	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Calcium, Total	26.9		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:07	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00034	J	mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Copper, Total	0.00040	J	mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Iron, Total	0.433		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Magnesium, Total	13.6		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:07	EPA 3005A	1,6010D	TAA
Manganese, Total	0.04168		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:00	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Potassium, Total	2.25		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Sodium, Total	10.4		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:12	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	123.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:07	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11 Date Collected: 11/30/23 13:00

Client ID: MW-2SR Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.110		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00820		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Barium, Total	0.2750		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Boron, Total	0.169		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:12	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00110		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Calcium, Total	79.9		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:12	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00209		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00074		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Copper, Total	0.00888		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Iron, Total	0.505		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Lead, Total	0.00042	J	mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Magnesium, Total	57.5		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:12	EPA 3005A	1,6010D	TAA
Manganese, Total	0.03436		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:04	EPA 7470A	1,7470A	GMG
Nickel, Total	0.01533		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Potassium, Total	1.06		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Sodium, Total	57.0		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Zinc, Total	0.01655		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:16	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	436.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:12	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-12 Date Collected: 11/30/23 13:30

Client ID: DGC-3S Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.06		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.02458		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Barium, Total	0.2452		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00013	J	mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Boron, Total	0.0323		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:17	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00039		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Calcium, Total	146.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:17	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00389		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00256		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Copper, Total	0.00743		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Iron, Total	5.27		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Lead, Total	0.00414		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Magnesium, Total	39.3		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:17	EPA 3005A	1,6010D	TAA
Manganese, Total	0.4695		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:07	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00484		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Potassium, Total	1.01		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Sodium, Total	13.6		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00466	J	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Zinc, Total	0.02050		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:21	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	526.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:17	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-13 Date Collected: 11/30/23 14:00

Client ID: DGC-3D Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.169		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00512		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Barium, Total	0.2233		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Boron, Total	0.106		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:22	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Calcium, Total	20.2		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:22	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00113		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00024	J	mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Copper, Total	0.00073	J	mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Iron, Total	0.436		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Lead, Total	0.00041	J	mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Magnesium, Total	13.8		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:22	EPA 3005A	1,6010D	TAA
Manganese, Total	0.05219		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:10	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Potassium, Total	2.70		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Sodium, Total	15.5		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00341	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:25	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	107.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:22	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-14 Date Collected: 11/30/23 14:30

Client ID: SW-2 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0517		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00630		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Barium, Total	0.2194		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Boron, Total	0.0489		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:26	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Calcium, Total	138.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:26	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00037	J	mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00272		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Copper, Total	0.00042	J	mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Iron, Total	3.44		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Magnesium, Total	32.7		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:26	EPA 3005A	1,6010D	TAA
Manganese, Total	1.426		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:31	EPA 7470A	1,7470A	GMG
Nickel, Total	0.00217		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Potassium, Total	2.15		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Sodium, Total	10.6		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Zinc, Total	0.00570	J	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:30	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	479.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:26	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-15 Date Collected: 11/30/23 15:00

Client ID: SW-1 Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0453		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.00047	J	mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Barium, Total	0.04633		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Boron, Total	0.0110	J	mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:31	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Calcium, Total	44.6		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:31	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00026	J	mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Copper, Total	0.00046	J	mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Iron, Total	0.324		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Magnesium, Total	14.4		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:31	EPA 3005A	1,6010D	TAA
Manganese, Total	0.05108		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:35	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Potassium, Total	2.62		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Sodium, Total	44.9		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Zinc, Total	ND		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:35	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	171.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:31	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-16 Date Collected: 11/30/23 00:00

Client ID: DUPLICATE Date Received: 11/30/23

Sample Location: OAK ORCHARD RD, CLAY,NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.16		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Arsenic, Total	0.03979		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Barium, Total	0.8466		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Beryllium, Total	0.00012	J	mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Boron, Total	1.03		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 21:36	EPA 3005A	1,6010D	TAA
Cadmium, Total	0.00020		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Calcium, Total	129.		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 21:36	EPA 3005A	1,6010D	TAA
Chromium, Total	0.00519		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Cobalt, Total	0.00855		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Copper, Total	0.00905		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Iron, Total	21.4		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Lead, Total	0.01083		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Magnesium, Total	56.0		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 21:36	EPA 3005A	1,6010D	TAA
Manganese, Total	1.043		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 19:38	EPA 7470A	1,7470A	GMG
Nickel, Total	0.02309		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Potassium, Total	80.6		mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Selenium, Total	ND		mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Silver, Total	ND		mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Sodium, Total	157.		mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Thallium, Total	ND		mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Vanadium, Total	0.00572		mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Zinc, Total	0.04265		mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 16:39	EPA 3005A	1,6020B	MRC
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	553.		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 21:36	EPA 3005A	1,6010D	TAA

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-16 Batch: WG1858599-1										
Boron, Total	ND		mg/l	0.0300	0.0016	1	12/05/23 09:18	12/05/23 16:48	1,6010D	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	12/05/23 09:18	12/05/23 16:48	1,6010D	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	12/05/23 09:18	12/05/23 16:48	1,6010D	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Mansfield Lab for sample(s): 01-16 Batch: WG1858599-1										
Hardness	ND		mg/l	0.660	NA	1	12/05/23 09:18	12/05/23 16:48	1,6010D	TAA

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-16 Batch: WG1858600-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Antimony, Total	ND		mg/l	0.00400	0.00042	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Barium, Total	ND		mg/l	0.00050	0.00017	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Copper, Total	ND		mg/l	0.00100	0.00038	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Lead, Total	ND		mg/l	0.00100	0.00034	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Manganese, Total	ND		mg/l	0.00100	0.00044	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Nickel, Total	ND		mg/l	0.00200	0.00055	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Potassium, Total	ND	mg/l	0.100	0.0309	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Selenium, Total	ND	mg/l	0.00500	0.00173	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Silver, Total	ND	mg/l	0.00040	0.00016	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Sodium, Total	ND	mg/l	0.100	0.0293	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Thallium, Total	ND	mg/l	0.00100	0.00014	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC
Zinc, Total	ND	mg/l	0.01000	0.00341	1	12/05/23 09:18	12/05/23 13:31	1,6020B	MRC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-16 Batch: WG1858601-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/05/23 10:49	12/06/23 18:11	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1858599-2								
Boron, Total	106		-		80-120	-		
Calcium, Total	112		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-16 Batch: WG1858599-2								
Hardness	110		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1858600-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	98	-	80-120	-	
Copper, Total	101	-	80-120	-	
Iron, Total	96	-	80-120	-	
Lead, Total	103	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	97	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	99	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	101	-	80-120	-	
Zinc, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 Batch: WG1858601-2					
Mercury, Total	87	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858599-3 WG1858599-4 QC Sample: L2370660-06 Client ID: DGC-6D												
Boron, Total	0.0345	1	1.11	108		1.14	110		75-125	3		20
Calcium, Total	38.8	10	46.6	78		50.2	114		75-125	7		20
Magnesium, Total	19.8	10	29.4	96		30.8	110		75-125	5		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858599-3 WG1858599-4 QC Sample: L2370660-06 Client ID: DGC-6D												
Hardness	178.	66.2	237	89		252	112		75-125	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858600-3 WG1858600-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Aluminum, Total	1.04	2	3.06	101	3.11	104	75-125	2	20
Antimony, Total	ND	0.5	0.4035	81	0.4272	85	75-125	6	20
Arsenic, Total	0.00868	0.12	0.1312	102	0.1235	96	75-125	6	20
Barium, Total	0.1668	2	2.088	96	2.125	98	75-125	2	20
Beryllium, Total	ND	0.05	0.05034	101	0.05110	102	75-125	1	20
Cadmium, Total	ND	0.053	0.05194	98	0.05360	101	75-125	3	20
Chromium, Total	0.00204	0.2	0.2029	100	0.1956	97	75-125	4	20
Cobalt, Total	0.00084	0.5	0.4824	96	0.4657	93	75-125	4	20
Copper, Total	0.00319	0.25	0.2537	100	0.2448	97	75-125	4	20
Iron, Total	1.71	1	2.65	94	2.66	95	75-125	0	20
Lead, Total	0.00323	0.53	0.4725	88	0.5255	98	75-125	11	20
Manganese, Total	0.07863	0.5	0.5712	98	0.5440	93	75-125	5	20
Nickel, Total	0.00190J	0.5	0.4868	97	0.4690	94	75-125	4	20
Potassium, Total	1.94	10	12.1	102	11.7	98	75-125	3	20
Selenium, Total	ND	0.12	0.119	99	0.114	95	75-125	4	20
Silver, Total	ND	0.05	0.04954	99	0.04988	100	75-125	1	20
Sodium, Total	6.98	10	16.4	94	16.4	94	75-125	0	20
Thallium, Total	0.00018J	0.12	0.1094	91	0.1189	99	75-125	8	20
Vanadium, Total	0.00197J	0.5	0.5174	103	0.4848	97	75-125	7	20
Zinc, Total	0.00794J	0.5	0.5026	100	0.4844	97	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858601-3 WG1858601-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Mercury, Total	ND	0.005	0.00449	90	0.00444	89	75-125	1	20

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858599-6 QC Sample: L2370660-06 Client ID: DGC-6D						
Calcium, Total	38.8	35.7	mg/l	8		20
Magnesium, Total	19.8	18.5	mg/l	7		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858599-6 QC Sample: L2370660-06 Client ID: DGC-6D						
Hardness	178.	165.	mg/l	7		20
Total Metals - Mansfield Lab Associated sample(s): 01-16 QC Batch ID: WG1858600-6 QC Sample: L2370660-06 Client ID: DGC-6D						
Aluminum, Total	1.04	1.05	mg/l	1		20
Barium, Total	0.1668	0.1651	mg/l	1		20
Iron, Total	1.71	1.70	mg/l	1		20
Manganese, Total	0.07863	0.07925	mg/l	1		20
Sodium, Total	6.98	6.63	mg/l	5		20

INORGANICS
&
MISCELLANEOUS

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-01
Client ID: MW-11SR
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 08:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	19		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	538.		mg CaCO3/L	2.00	NA	1	-	12/04/23 11:27	121,2320B	MRW
Solids, Total Dissolved	580		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:50	1,9010C/9012B	JER
Nitrogen, Ammonia	0.323		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:42	44,350.1	KEP
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/02/23 06:24	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.584		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:41	4,351.1	AT
Chemical Oxygen Demand	3.9	J	mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:52	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	4.86		mg/l	0.500	0.097	1	-	12/06/23 05:41	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:34	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:07	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.162		mg/l	0.050	0.013	1	-	12/01/23 16:40	44,300.0	CVN
Chloride	16.0		mg/l	0.500	0.083	1	-	12/01/23 16:40	44,300.0	CVN
Sulfate	4.26		mg/l	1.00	0.454	1	-	12/01/23 16:40	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-02
Client ID: DGC-5
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 08:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	80		A.P.C.U.	25	25.	5	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	417.		mg CaCO3/L	2.00	NA	1	-	12/03/23 09:42	121,2320B	MRW
Solids, Total Dissolved	450		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:51	1,9010C/9012B	JER
Nitrogen, Ammonia	2.63		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:43	44,350.1	KEP
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/02/23 06:25	44,353.2	KAF
Nitrogen, Total Kjeldahl	3.58		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:41	4,351.1	AT
Chemical Oxygen Demand	44.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:52	44,410.4	JRG
BOD, 5 day	ND		mg/l	10	NA	5	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	4.16		mg/l	0.500	0.097	1	-	12/06/23 06:05	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:35	4,420.1	KEP
Chromium, Hexavalent	0.005	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:07	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.062		mg/l	0.050	0.013	1	-	12/01/23 16:52	44,300.0	CVN
Chloride	3.37		mg/l	0.500	0.083	1	-	12/01/23 16:52	44,300.0	CVN
Sulfate	11.8		mg/l	1.00	0.454	1	-	12/01/23 16:52	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-03
Client ID: MW-7S
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 09:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	519.		mg CaCO3/L	2.00	NA	1	-	12/04/23 11:41	121,2320B	MRW
Solids, Total Dissolved	580		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:52	1,9010C/9012B	JER
Nitrogen, Ammonia	0.173		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:46	44,350.1	KEP
Nitrogen, Nitrate	0.40		mg/l	0.10	0.023	1	-	12/02/23 06:26	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.780		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:42	4,351.1	AT
Chemical Oxygen Demand	6.2	J	mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:52	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	3.92		mg/l	0.500	0.097	1	-	12/06/23 06:28	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:36	4,420.1	KEP
Chromium, Hexavalent	0.008	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:08	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 17:28	44,300.0	CVN
Chloride	1.31		mg/l	0.500	0.083	1	-	12/01/23 17:28	44,300.0	CVN
Sulfate	7.53		mg/l	1.00	0.454	1	-	12/01/23 17:28	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-04
Client ID: MW-8S
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water
Date Collected: 11/30/23 09:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	20		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	380.		mg CaCO3/L	2.00	NA	1	-	12/04/23 11:56	121,2320B	MRW
Solids, Total Dissolved	1000		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:55	1,9010C/9012B	JER
Nitrogen, Ammonia	0.288		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:47	44,350.1	KEP
Nitrogen, Nitrate	0.041	J	mg/l	0.10	0.023	1	-	12/02/23 06:28	44,353.2	KAF
Nitrogen, Total Kjeldahl	1.16		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:43	4,351.1	AT
Chemical Oxygen Demand	46.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:52	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	4.78		mg/l	0.500	0.097	1	-	12/08/23 20:07	121,5310C	SMD
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:37	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:08	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.618		mg/l	0.050	0.013	1	-	12/01/23 17:40	44,300.0	CVN
Chloride	265.		mg/l	5.00	0.839	10	-	12/01/23 14:14	44,300.0	CVN
Sulfate	22.2		mg/l	1.00	0.454	1	-	12/01/23 17:40	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-05
Client ID: MW-6SR
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 10:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	17		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	573.		mg CaCO3/L	2.00	NA	1	-	12/04/23 12:23	121,2320B	MRW
Solids, Total Dissolved	760		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:56	1,9010C/9012B	JER
Nitrogen, Ammonia	24.4		mg/l	0.750	0.240	10	12/04/23 02:35	12/06/23 14:59	44,350.1	KEP
Nitrogen, Nitrate	0.79		mg/l	0.10	0.023	1	-	12/02/23 06:29	44,353.2	KAF
Nitrogen, Total Kjeldahl	23.9		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:47	4,351.1	AT
Chemical Oxygen Demand	69.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:53	44,410.4	JRG
BOD, 5 day	12		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	26.6		mg/l	5.00	0.970	10	-	12/06/23 06:49	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:38	4,420.1	KEP
Chromium, Hexavalent	0.007	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:09	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.716		mg/l	0.050	0.013	1	-	12/01/23 17:52	44,300.0	CVN
Chloride	125.		mg/l	5.00	0.839	10	-	12/01/23 14:27	44,300.0	CVN
Sulfate	1.19		mg/l	1.00	0.454	1	-	12/01/23 17:52	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-06
Client ID: DGC-6D
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 10:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	50	50.	10	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	134.		mg CaCO3/L	2.00	NA	1	-	12/03/23 08:54	121,2320B	MRW
Solids, Total Dissolved	180		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:57	1,9010C/9012B	JER
Nitrogen, Ammonia	0.254		mg/l	0.150	0.048	2	12/04/23 02:35	12/06/23 15:00	44,350.1	KEP
Nitrogen, Nitrate	0.094	J	mg/l	0.10	0.023	1	-	12/02/23 06:30	44,353.2	KAF
Nitrogen, Total Kjeldahl	1.03		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:48	4,351.1	AT
Chemical Oxygen Demand	48.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:53	44,410.4	JRG
BOD, 5 day	ND		mg/l	4.0	NA	2	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	0.696		mg/l	0.500	0.097	1	-	12/06/23 07:10	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 17:02	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:09	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 18:40	44,300.0	CVN
Chloride	1.06		mg/l	0.500	0.083	1	-	12/01/23 18:40	44,300.0	CVN
Sulfate	15.8		mg/l	1.00	0.454	1	-	12/01/23 18:40	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-07
Client ID: MW-9S
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 11:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	54		A.P.C.U.	10	10.	2	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	792.		mg CaCO3/L	5.00	NA	2.5	-	12/03/23 15:17	121,2320B	MRW
Solids, Total Dissolved	1300		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:36	1,9010C/9012B	JER
Nitrogen, Ammonia	110.		mg/l	2.25	0.720	30	12/04/23 02:35	12/06/23 15:00	44,350.1	KEP
Nitrogen, Nitrate	0.29		mg/l	0.10	0.023	1	-	12/02/23 06:34	44,353.2	KAF
Nitrogen, Total Kjeldahl	111.		mg/l	6.00	1.32	20	12/04/23 08:26	12/05/23 19:56	4,351.1	AT
Chemical Oxygen Demand	240		mg/l	50	14.	5	12/05/23 17:50	12/05/23 21:53	44,410.4	JRG
BOD, 5 day	30		mg/l	10	NA	5	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	74.4		mg/l	5.00	0.970	10	-	12/06/23 07:35	121,5310C	DEW
Phenolics, Total	0.009	J	mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 11:59	4,420.1	KEP
Chromium, Hexavalent	0.012		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:09	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	7.74		mg/l	1.25	0.330	25	-	12/02/23 01:33	44,300.0	CVN
Chloride	450.		mg/l	12.5	2.10	25	-	12/02/23 01:33	44,300.0	CVN
Sulfate	6.06		mg/l	1.00	0.454	1	-	12/01/23 20:25	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-08
Client ID: MW-4SR
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 11:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	90		A.P.C.U.	25	25.	5	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	1040		mg CaCO3/L	5.00	NA	2.5	-	12/03/23 14:42	121,2320B	MRW
Solids, Total Dissolved	990		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:01	1,9010C/9012B	JER
Nitrogen, Ammonia	106.		mg/l	2.25	0.720	30	12/04/23 02:35	12/06/23 15:01	44,350.1	KEP
Nitrogen, Nitrate	0.033	J	mg/l	0.10	0.023	1	-	12/02/23 06:35	44,353.2	KAF
Nitrogen, Total Kjeldahl	105.		mg/l	3.00	0.660	10	12/04/23 08:26	12/05/23 20:04	4,351.1	AT
Chemical Oxygen Demand	160		mg/l	40	11.	4	12/05/23 17:50	12/05/23 21:53	44,410.4	JRG
BOD, 5 day	ND		mg/l	10	NA	5	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	42.7		mg/l	5.00	0.970	10	-	12/06/23 07:57	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:00	4,420.1	KEP
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:10	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	4.10		mg/l	0.500	0.132	10	-	12/02/23 01:44	44,300.0	CVN
Chloride	166.		mg/l	5.00	0.839	10	-	12/02/23 01:44	44,300.0	CVN
Sulfate	0.865	J	mg/l	1.00	0.454	1	-	12/01/23 20:36	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-09
Client ID: MW-10SR
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 12:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	301.		mg CaCO3/L	2.00	NA	1	-	12/04/23 12:41	121,2320B	MRW
Solids, Total Dissolved	410		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:02	1,9010C/9012B	JER
Nitrogen, Ammonia	0.192		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 15:02	44,350.1	KEP
Nitrogen, Nitrate	0.17		mg/l	0.10	0.023	1	-	12/02/23 06:41	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.615		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 20:05	4,351.1	AT
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:55	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	1.12		mg/l	0.500	0.097	1	-	12/06/23 08:21	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:01	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:11	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.724		mg/l	0.050	0.013	1	-	12/01/23 20:47	44,300.0	CVN
Chloride	41.6		mg/l	0.500	0.083	1	-	12/01/23 20:47	44,300.0	CVN
Sulfate	23.0		mg/l	1.00	0.454	1	-	12/01/23 20:47	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-10
Client ID: DGC-2D
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water
Date Collected: 11/30/23 12:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	124.		mg CaCO3/L	2.00	NA	1	-	12/04/23 13:41	121,2320B	MRW
Solids, Total Dissolved	160		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:03	1,9010C/9012B	JER
Nitrogen, Ammonia	0.499		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:55	44,350.1	KEP
Nitrogen, Nitrate	0.088	J	mg/l	0.10	0.023	1	-	12/02/23 06:42	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.687		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:54	4,351.1	AT
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:55	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	0.466	J	mg/l	0.500	0.097	1	-	12/06/23 12:06	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:02	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:11	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 20:58	44,300.0	CVN
Chloride	1.51		mg/l	0.500	0.083	1	-	12/01/23 20:58	44,300.0	CVN
Sulfate	14.0		mg/l	1.00	0.454	1	-	12/01/23 20:58	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-11
Client ID: MW-2SR
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 13:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	400.		mg CaCO3/L	2.00	NA	1	-	12/03/23 11:54	121,2320B	MRW
Solids, Total Dissolved	560		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:04	1,9010C/9012B	JER
Nitrogen, Ammonia	0.061	J	mg/l	0.075	0.024	1	12/03/23 22:10	12/05/23 21:45	44,350.1	AT
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/02/23 07:42	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.845		mg/l	0.300	0.066	1	12/04/23 08:26	12/05/23 19:55	4,351.1	AT
Chemical Oxygen Demand	11.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:02	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	4.61		mg/l	0.500	0.097	1	-	12/06/23 12:33	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:05	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:15	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.735		mg/l	0.050	0.013	1	-	12/01/23 21:09	44,300.0	CVN
Chloride	66.0		mg/l	5.00	0.839	10	-	12/02/23 01:55	44,300.0	CVN
Sulfate	8.10		mg/l	1.00	0.454	1	-	12/01/23 21:09	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-12
Client ID: DGC-3S
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 13:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	443.		mg CaCO3/L	2.00	NA	1	-	12/03/23 12:05	121,2320B	MRW
Solids, Total Dissolved	500		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:07	1,9010C/9012B	JER
Nitrogen, Ammonia	0.056	J	mg/l	0.075	0.024	1	12/03/23 22:10	12/05/23 21:46	44,350.1	AT
Nitrogen, Nitrate	0.14		mg/l	0.10	0.023	1	-	12/02/23 07:50	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.471		mg/l	0.300	0.066	1	12/03/23 18:33	12/05/23 17:10	4,351.1	AT
Chemical Oxygen Demand	30.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:03	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	3.01		mg/l	0.500	0.097	1	-	12/06/23 12:55	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:07	4,420.1	KEP
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:16	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.299		mg/l	0.050	0.013	1	-	12/01/23 21:20	44,300.0	CVN
Chloride	4.60		mg/l	0.500	0.083	1	-	12/01/23 21:20	44,300.0	CVN
Sulfate	12.1		mg/l	1.00	0.454	1	-	12/01/23 21:20	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-13
Client ID: DGC-3D
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 14:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	ND		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	133.		mg CaCO3/L	2.00	NA	1	-	12/04/23 13:51	121,2320B	MRW
Solids, Total Dissolved	160		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:08	1,9010C/9012B	JER
Nitrogen, Ammonia	0.272		mg/l	0.075	0.024	1	12/03/23 22:10	12/05/23 21:47	44,350.1	AT
Nitrogen, Nitrate	0.075	J	mg/l	0.10	0.023	1	-	12/02/23 07:51	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.508		mg/l	0.300	0.066	1	12/03/23 18:33	12/05/23 17:11	4,351.1	AT
Chemical Oxygen Demand	3.9	J	mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:03	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	1.01		mg/l	0.500	0.097	1	-	12/06/23 13:16	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:08	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:16	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 21:31	44,300.0	CVN
Chloride	0.718		mg/l	0.500	0.083	1	-	12/01/23 21:31	44,300.0	CVN
Sulfate	3.86		mg/l	1.00	0.454	1	-	12/01/23 21:31	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-14
Client ID: SW-2
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 14:30
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	25		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	411.		mg CaCO3/L	2.00	NA	1	-	12/03/23 11:37	121,2320B	MRW
Solids, Total Dissolved	500		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:09	1,9010C/9012B	JER
Nitrogen, Ammonia	0.054	J	mg/l	0.150	0.048	2	12/03/23 22:10	12/05/23 21:48	44,350.1	AT
Nitrogen, Nitrate	0.024	J	mg/l	0.10	0.023	1	-	12/02/23 07:53	44,353.2	KAF
Nitrogen, Total Kjeldahl	2.76		mg/l	0.600	0.132	2	12/03/23 18:33	12/05/23 17:12	4,351.1	AT
Chemical Oxygen Demand	60.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:03	44,410.4	JRG
BOD, 5 day	ND		mg/l	4.0	NA	2	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	8.49		mg/l	0.500	0.097	1	-	12/06/23 13:41	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:09	4,420.1	KEP
Chromium, Hexavalent	0.003	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:16	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.539		mg/l	0.050	0.013	1	-	12/01/23 22:16	44,300.0	CVN
Chloride	13.7		mg/l	0.500	0.083	1	-	12/01/23 22:16	44,300.0	CVN
Sulfate	2.49		mg/l	1.00	0.454	1	-	12/01/23 22:16	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-15
Client ID: SW-1
Sample Location: OAK ORCHARD RD, CLAY,NY
Sample Depth:
Matrix: Water

Date Collected: 11/30/23 15:00
Date Received: 11/30/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	27		A.P.C.U.	5.0	5.0	1	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	157.		mg CaCO3/L	2.00	NA	1	-	12/04/23 13:55	121,2320B	MRW
Solids, Total Dissolved	300		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:10	1,9010C/9012B	JER
Nitrogen, Ammonia	0.052	J	mg/l	0.075	0.024	1	12/03/23 22:10	12/05/23 21:49	44,350.1	AT
Nitrogen, Nitrate	0.034	J	mg/l	0.10	0.023	1	-	12/02/23 07:54	44,353.2	KAF
Nitrogen, Total Kjeldahl	0.581		mg/l	0.300	0.066	1	12/03/23 18:33	12/05/23 17:12	4,351.1	AT
Chemical Oxygen Demand	20.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:04	44,410.4	JRG
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	7.15		mg/l	0.500	0.097	1	-	12/06/23 14:09	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:10	4,420.1	KEP
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:17	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	0.229		mg/l	0.050	0.013	1	-	12/01/23 22:27	44,300.0	CVN
Chloride	66.6		mg/l	5.00	0.839	10	-	12/02/23 02:27	44,300.0	CVN
Sulfate	9.10		mg/l	1.00	0.454	1	-	12/01/23 22:27	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

SAMPLE RESULTS

Lab ID: L2370660-16
Client ID: DUPLICATE
Sample Location: OAK ORCHARD RD, CLAY,NY
Date Collected: 11/30/23 00:00
Date Received: 11/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Color, Apparent	55		A.P.C.U.	25	25.	5	-	12/01/23 18:07	121,2120B	AAS
Alkalinity, Total	986.		mg CaCO3/L	5.00	NA	2.5	-	12/03/23 14:20	121,2320B	MRW
Solids, Total Dissolved	990		mg/l	13	4.0	1.3	-	12/05/23 18:15	121,2540C	REM
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 12:13	1,9010C/9012B	JER
Nitrogen, Ammonia	103.		mg/l	3.75	1.20	50	12/07/23 13:28	12/07/23 16:48	44,350.1	KEP
Nitrogen, Nitrate	0.051	J	mg/l	0.10	0.023	1	-	12/02/23 07:55	44,353.2	KAF
Nitrogen, Total Kjeldahl	110.		mg/l	1.50	0.330	5	12/03/23 18:33	12/05/23 17:13	4,351.1	AT
Chemical Oxygen Demand	44.		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:04	44,410.4	JRG
BOD, 5 day	ND		mg/l	4.0	NA	2	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Total Organic Carbon	41.5		mg/l	5.00	0.970	10	-	12/06/23 16:49	121,5310C	DEW
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 12:13	4,420.1	KEP
Chromium, Hexavalent	0.006	J	mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:17	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab										
Bromide	4.72		mg/l	0.500	0.132	10	-	12/01/23 22:49	44,300.0	CVN
Chloride	173.		mg/l	5.00	0.839	10	-	12/01/23 22:49	44,300.0	CVN
Sulfate	0.710	J	mg/l	1.00	0.454	1	-	12/01/23 22:38	44,300.0	CVN

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1858483-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:05	1,7196A	CAR
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1858484-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	12/01/23 05:45	12/01/23 07:14	1,7196A	CAR
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-06 Batch: WG1858644-1										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 10:49	44,300.0	CVN
Chloride	0.188	J	mg/l	0.500	0.083	1	-	12/01/23 10:49	44,300.0	CVN
Sulfate	ND		mg/l	1.00	0.454	1	-	12/01/23 10:49	44,300.0	CVN
General Chemistry - Westborough Lab for sample(s): 01-16 Batch: WG1858786-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	12/01/23 20:50	12/06/23 15:43	121,5210B	JRG
Anions by Ion Chromatography - Westborough Lab for sample(s): 07-16 Batch: WG1858835-1										
Bromide	ND		mg/l	0.050	0.013	1	-	12/01/23 20:03	44,300.0	CVN
Chloride	0.095	J	mg/l	0.500	0.083	1	-	12/01/23 20:03	44,300.0	CVN
Sulfate	ND		mg/l	1.00	0.454	1	-	12/01/23 20:03	44,300.0	CVN
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1858854-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/02/23 06:10	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1858855-1										
Nitrogen, Nitrate	ND		mg/l	0.10	0.023	1	-	12/02/23 06:12	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1858958-1										
Phenolics, Total	ND		mg/l	0.030	0.006	1	12/02/23 11:16	12/04/23 16:32	4,420.1	KEP
General Chemistry - Westborough Lab for sample(s): 02,06-08,11-12,14,16 Batch: WG1859096-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	12/03/23 08:48	121,2320B	MRW
General Chemistry - Westborough Lab for sample(s): 12-16 Batch: WG1859177-1										
Nitrogen, Total Kjeldahl	0.061	J	mg/l	0.300	0.022	1	12/03/23 18:33	12/05/23 17:07	4,351.1	AT
General Chemistry - Westborough Lab for sample(s): 11-15 Batch: WG1859181-1										
Nitrogen, Ammonia	0.057	J	mg/l	0.075	0.024	1	12/03/23 22:10	12/05/23 21:42	44,350.1	AT
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1859240-1										
Nitrogen, Ammonia	ND		mg/l	0.075	0.024	1	12/04/23 02:35	12/06/23 14:25	44,350.1	KEP
General Chemistry - Westborough Lab for sample(s): 01-11 Batch: WG1859275-1										
Nitrogen, Total Kjeldahl	0.080	J	mg/l	0.300	0.022	1	12/04/23 08:26	12/05/23 19:35	4,351.1	AT

Project Name: CLAY ANNUAL SAMPLING-LANDFILL **Lab Number:** L2370660

Project Number: 195767023 **Report Date:** 12/17/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03-05,09-10,13,15 Batch: WG1859369-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	12/04/23 09:00	121,2320B	MRW
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1859643-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:46	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1859644-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/04/23 21:00	12/05/23 11:46	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 07-16 Batch: WG1859793-1										
Phenolics, Total	0.011	J	mg/l	0.030	0.006	1	12/05/23 07:00	12/06/23 11:56	4,420.1	KEP
General Chemistry - Westborough Lab for sample(s): 01-16 Batch: WG1860100-1										
Solids, Total Dissolved	ND		mg/l	10	3.1	1	-	12/05/23 18:15	121,2540C	REM
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1860109-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 21:48	44,410.4	JRG
General Chemistry - Westborough Lab for sample(s): 11-16 Batch: WG1860114-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	12/05/23 17:50	12/05/23 22:00	44,410.4	JRG
General Chemistry - Westborough Lab for sample(s): 01-03,05-16 Batch: WG1860243-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	12/06/23 04:46	121,5310C	DEW
General Chemistry - Westborough Lab for sample(s): 16 Batch: WG1861055-1										
Nitrogen, Ammonia	0.058	J	mg/l	0.075	0.024	1	12/07/23 13:28	12/07/23 16:46	44,350.1	KEP
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1861382-1										
Total Organic Carbon	ND		mg/l	0.500	0.097	1	-	12/08/23 09:10	121,5310C	SMD

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1858483-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1858484-2								
Chromium, Hexavalent	106		-		85-115	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-06 Batch: WG1858644-2								
Bromide	100		-		90-110	-		
Chloride	100		-		90-110	-		
Sulfate	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-16 Batch: WG1858786-2								
BOD, 5 day	95		-		85-115	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-16 Batch: WG1858835-2								
Bromide	97		-		90-110	-		
Chloride	102		-		90-110	-		
Sulfate	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1858854-2								
Nitrogen, Nitrate	104		-		90-110	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1858855-2					
Nitrogen, Nitrate	102	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1858958-2					
Phenolics, Total	88	-	70-130	-	
General Chemistry - Westborough Lab Associated sample(s): 02,06-08,11-12,14,16 Batch: WG1859096-2					
Alkalinity, Total	107	-	90-110	-	10
General Chemistry - Westborough Lab Associated sample(s): 12-16 Batch: WG1859177-2					
Nitrogen, Total Kjeldahl	96	-	78-122	-	
General Chemistry - Westborough Lab Associated sample(s): 11-15 Batch: WG1859181-2					
Nitrogen, Ammonia	92	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1859240-2					
Nitrogen, Ammonia	94	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-11 Batch: WG1859275-2					
Nitrogen, Total Kjeldahl	98	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03-05,09-10,13,15 Batch: WG1859369-2					
Alkalinity, Total	108	-	90-110	-	10
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1859643-2 WG1859643-3					
Cyanide, Total	90	85	85-115	6	20
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1859644-2 WG1859644-3					
Cyanide, Total	90	85	85-115	6	20
General Chemistry - Westborough Lab Associated sample(s): 07-16 Batch: WG1859793-2					
Phenolics, Total	95	-	70-130	-	
General Chemistry - Westborough Lab Associated sample(s): 01-16 Batch: WG1860100-2					
Solids, Total Dissolved	101	-	80-120	-	
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1860109-2					
Chemical Oxygen Demand	96	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 11-16 Batch: WG1860114-2					
Chemical Oxygen Demand	92	-	90-110	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-16 Batch: WG1860243-2					
Total Organic Carbon	94	-	90-110	-	
General Chemistry - Westborough Lab Associated sample(s): 16 Batch: WG1861055-2					
Nitrogen, Ammonia	100	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1861382-2					
Total Organic Carbon	97	-	90-110	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1858483-4 WG1858483-5 QC Sample: L2370660-06 Client ID: DGC-6D												
Chromium, Hexavalent	ND	0.1	0.105	105		0.105	105		85-115	0		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1858484-4 QC Sample: L2370660-11 Client ID: MW-2SR												
Chromium, Hexavalent	ND	0.1	0.105	105		-	-		85-115	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1858644-3 WG1858644-4 QC Sample: L2370660-06 Client ID: DGC-6D												
Bromide	ND	0.4	0.344	**86**	Q	0.348	**89**	Q	90-110	1		20
Chloride	1.06	4	4.98	98		4.98	98		90-110	0		18
Sulfate	15.8	8	23.5	96		23.4	95		90-110	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1858786-4 QC Sample: L2370660-06 Client ID: DGC-6D												
BOD, 5 day	ND	400	290	72		-	-		50-145	-		35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1858835-3 QC Sample: L2370660-13 Client ID: DGC-3D												
Bromide	ND	0.4	0.543	**136**	Q	-	-		90-110	-		20
Chloride	0.718	4	4.32	90		-	-		90-110	-		18
Sulfate	3.86	8	12.5	108		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1858854-4 QC Sample: L2370660-06 Client ID: DGC-6D												
Nitrogen, Nitrate	0.094J	4	4.2	105		-	-		83-113	-		6
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1858855-4 QC Sample: L2370660-11 Client ID: MW-2SR												
Nitrogen, Nitrate	ND	4	4.2	105		-	-		83-113	-		6

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1858958-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Phenolics, Total	ND	0.4	0.38	95	-	-	70-130	-	20
General Chemistry - Westborough Lab Associated sample(s): 02,06-08,11-12,14,16 QC Batch ID: WG1859096-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Alkalinity, Total	134.	100	223	89	-	-	86-116	-	10
General Chemistry - Westborough Lab Associated sample(s): 12-16 QC Batch ID: WG1859177-4 QC Sample: L2370780-07 Client ID: MS Sample									
Nitrogen, Total Kjeldahl	1.75	8	9.51	97	-	-	77-111	-	24
General Chemistry - Westborough Lab Associated sample(s): 11-15 QC Batch ID: WG1859181-4 QC Sample: L2370780-06 Client ID: MS Sample									
Nitrogen, Ammonia	1.88	4	5.70	96	-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 11-15 QC Batch ID: WG1859181-8 QC Sample: L2370780-07 Client ID: MS Sample									
Nitrogen, Ammonia	1.28	4	5.02	94	-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1859240-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Nitrogen, Ammonia	0.254	8	7.62	92	-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1859275-4 QC Sample: L2370660-06 Client ID: DGC-6D									
Nitrogen, Total Kjeldahl	1.03	8	7.62	82	-	-	77-111	-	24
General Chemistry - Westborough Lab Associated sample(s): 01,03-05,09-10,13,15 QC Batch ID: WG1859369-4 QC Sample: L2370780-07 Client ID: MS Sample									
Alkalinity, Total	208.	100	308	100	-	-	86-116	-	10
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1859643-4 WG1859643-5 QC Sample: L2370660-06 Client ID: DGC-6D									
Cyanide, Total	ND	0.2	0.199	100	0.187	94	80-120	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1859644-4 WG1859644-5 QC Sample: L2370660-15 Client ID: SW-1										
Cyanide, Total	ND	0.2	0.181	90		0.188	94	80-120	4	20
General Chemistry - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1859793-4 QC Sample: L2370660-10 Client ID: DGC-2D										
Phenolics, Total	ND	0.4	0.36	90		-	-	70-130	-	20
General Chemistry - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1859793-6 QC Sample: L2370660-15 Client ID: SW-1										
Phenolics, Total	ND	0.4	0.31	76		-	-	70-130	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1860109-4 QC Sample: L2370660-06 Client ID: DGC-6D										
Chemical Oxygen Demand	48.	47.6	93	94		-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1860114-4 QC Sample: L2370660-11 Client ID: MW-2SR										
Chemical Oxygen Demand	11.	47.6	55	92		-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-16 QC Batch ID: WG1860243-4 QC Sample: L2370660-06 Client ID: DGC-6D										
Total Organic Carbon	0.696	16	17.9	108		-	-	85-115	-	15
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-16 QC Batch ID: WG1860243-6 QC Sample: L2370660-07 Client ID: MW-9S										
Total Organic Carbon	74.4	160	254	112		-	-	85-115	-	15
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG1861055-4 QC Sample: L2370660-16 Client ID: DUPLICATE										
Nitrogen, Ammonia	103.	200	127	**64**	Q	-	-	90-110	-	20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1861382-3 QC Sample: L2371424-01 Client ID: MS Sample										
Total Organic Carbon	7.37	32	39.2	99		-	-	85-115	-	15

Matrix Spike Analysis
Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1861382-5 QC Sample: L2371691-04 Client ID: MS Sample									
Total Organic Carbon	3.08	40	47.2	110	-	-	85-115	-	15

Lab Duplicate Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1858483-3 QC Sample: L2370660-06 Client ID: DGC-6D						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1858484-3 QC Sample: L2370660-11 Client ID: MW-2SR						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1858776-1 QC Sample: L2370660-06 Client ID: DGC-6D						
Color, Apparent	ND	ND	A.P.C.U.	NC		
General Chemistry - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1858777-1 QC Sample: L2370660-16 Client ID: DUPLICATE						
Color, Apparent	55	55	A.P.C.U.	0		
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1858786-3 QC Sample: L2370660-06 Client ID: DGC-6D						
BOD, 5 day	ND	ND	mg/l	NC		35
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1858835-4 QC Sample: L2370660-13 Client ID: DGC-3D						
Bromide	ND	0.152	mg/l	NC		20
Chloride	0.718	0.590	mg/l	**20**	Q	18
Sulfate	3.86	3.95	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1858854-3 QC Sample: L2370660-06 Client ID: DGC-6D						
Nitrogen, Nitrate	0.094J	0.11	mg/l	NC		6
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1858855-3 QC Sample: L2370660-11 Client ID: MW-2SR						
Nitrogen, Nitrate	ND	ND	mg/l	NC		6

Lab Duplicate Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1858958-3 QC Sample: L2370660-06 Client ID: DGC-6D					
Phenolics, Total	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 02,06-08,11-12,14,16 QC Batch ID: WG1859096-3 QC Sample: L2370660-06 Client ID: DGC-6D					
Alkalinity, Total	134.	134	mg CaCO3/L	0	10
General Chemistry - Westborough Lab Associated sample(s): 12-16 QC Batch ID: WG1859177-3 QC Sample: L2370780-07 Client ID: DUP Sample					
Nitrogen, Total Kjeldahl	1.75	1.98	mg/l	12	24
General Chemistry - Westborough Lab Associated sample(s): 11-15 QC Batch ID: WG1859181-3 QC Sample: L2370780-06 Client ID: DUP Sample					
Nitrogen, Ammonia	1.88	2.22	mg/l	17	20
General Chemistry - Westborough Lab Associated sample(s): 11-15 QC Batch ID: WG1859181-7 QC Sample: L2370780-07 Client ID: DUP Sample					
Nitrogen, Ammonia	1.28	1.51	mg/l	16	20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1859240-3 QC Sample: L2370660-06 Client ID: DGC-6D					
Nitrogen, Ammonia	0.254	0.270	mg/l	6	20
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1859275-3 QC Sample: L2370660-06 Client ID: DGC-6D					
Nitrogen, Total Kjeldahl	1.03	0.807	mg/l	24	24
General Chemistry - Westborough Lab Associated sample(s): 01,03-05,09-10,13,15 QC Batch ID: WG1859369-3 QC Sample: L2370780-07 Client ID: DUP Sample					
Alkalinity, Total	208.	204	mg CaCO3/L	2	10

Lab Duplicate Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1859793-3 QC Sample: L2370660-10 Client ID: DGC-2D						
Phenolics, Total	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 07-16 QC Batch ID: WG1859793-5 QC Sample: L2370660-15 Client ID: SW-1						
Phenolics, Total	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1860100-3 QC Sample: L2370780-07 Client ID: DUP Sample						
Solids, Total Dissolved	340	340	mg/l	0		10
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1860100-4 QC Sample: L2370660-06 Client ID: DGC-6D						
Solids, Total Dissolved	180	190	mg/l	5		10
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1860109-3 QC Sample: L2370660-06 Client ID: DGC-6D						
Chemical Oxygen Demand	48.	44	mg/l	9		20
General Chemistry - Westborough Lab Associated sample(s): 11-16 QC Batch ID: WG1860114-3 QC Sample: L2370660-11 Client ID: MW-2SR						
Chemical Oxygen Demand	11.	16	mg/l	**37**	Q	20
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-16 QC Batch ID: WG1860243-3 QC Sample: L2370660-06 Client ID: DGC-6D						
Total Organic Carbon	0.696	0.546	mg/l	**24**	Q	15
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-16 QC Batch ID: WG1860243-5 QC Sample: L2370660-07 Client ID: MW-9S						
Total Organic Carbon	74.4	76.1	mg/l	2		15
General Chemistry - Westborough Lab Associated sample(s): 16 QC Batch ID: WG1861055-3 QC Sample: L2370660-16 Client ID: DUPLICATE						
Nitrogen, Ammonia	103.	104	mg/l	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CLAY ANNUAL SAMPLING-LANDFILL

Project Number: 195767023

Lab Number: L2370660

Report Date: 12/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1861382-4 QC Sample: L2371424-01 Client ID: DUP Sample					
Total Organic Carbon	7.37	7.12	mg/l	3	15
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1861382-6 QC Sample: L2371691-04 Client ID: DUP Sample					
Total Organic Carbon	3.08	3.07	mg/l	0	15

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent
F	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-01A	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-01B	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-01C	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-01D	Vial H2SO4 preserved	E	NA		5.1	Y	Absent		TOC-5310(28)
L2370660-01E	Vial H2SO4 preserved	E	NA		5.1	Y	Absent		TOC-5310(28)
L2370660-01F	Plastic 250ml unpreserved/No Headspace	E	NA		5.1	Y	Absent		ALK-T-2320(14)
L2370660-01G	Plastic 250ml unpreserved	E	7	7	5.1	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),NO3-353(2),TDS-2540(7),BR-300(28)
L2370660-01H	Amber 250ml unpreserved	E	7	7	5.1	Y	Absent		COLOR-A-2120(2)
L2370660-01J	Plastic 250ml NaOH preserved	E	>12	>12	5.1	Y	Absent		TCN-9010(14)
L2370660-01K	Plastic 250ml HNO3 preserved	E	<2	<2	5.1	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),B-TI(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),CD-6020T(180),MG-TI(180),AL-6020T(180),AG-6020T(180),HARDT(180),CO-6020T(180),CA-TI(180)
L2370660-01L	Plastic 500ml H2SO4 preserved	E	<2	<2	5.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-01M	Plastic 950ml unpreserved	E	7	7	5.1	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),NO3-353(2),TDS-2540(7),BR-300(28)
L2370660-01N	Amber 950ml H2SO4 preserved	E	<4	<4	5.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-02A	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-02B	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-02C	Vial HCl preserved	E	NA		5.1	Y	Absent		NYTCL-8260(14)
L2370660-02D	Vial H2SO4 preserved	E	NA		5.1	Y	Absent		TOC-5310(28)
L2370660-02E	Vial H2SO4 preserved	E	NA		5.1	Y	Absent		TOC-5310(28)
L2370660-02F	Plastic 250ml unpreserved/No Headspace	E	NA		5.1	Y	Absent		ALK-T-2320(14)
L2370660-02G	Plastic 250ml unpreserved	E	7	7	5.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BR-300(28),BOD-5210(2),NO3-353(2),TDS-2540(7)
L2370660-02H	Amber 250ml unpreserved	E	7	7	5.1	Y	Absent		COLOR-A-2120(2)
L2370660-02J	Plastic 250ml NaOH preserved	E	>12	>12	5.1	Y	Absent		TCN-9010(14)
L2370660-02K	Plastic 250ml HNO3 preserved	E	<2	<2	5.1	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),B-TI(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-TI(180),CD-6020T(180),CA-TI(180),CO-6020T(180),HARDT(180)
L2370660-02L	Plastic 500ml H2SO4 preserved	E	<2	<2	5.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-02M	Plastic 950ml unpreserved	E	7	7	5.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BR-300(28),BOD-5210(2),NO3-353(2),TDS-2540(7)
L2370660-02N	Amber 950ml H2SO4 preserved	E	<4	<4	5.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-03A	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2370660-03B	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2370660-03C	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2370660-03D	Vial H2SO4 preserved	B	NA		4.4	Y	Absent		TOC-5310(28)
L2370660-03E	Vial H2SO4 preserved	B	NA		4.4	Y	Absent		TOC-5310(28)
L2370660-03F	Plastic 250ml unpreserved/No Headspace	B	NA		4.4	Y	Absent		ALK-T-2320(14)
L2370660-03G	Plastic 250ml unpreserved	B	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),TDS-2540(7),NO3-353(2),BOD-5210(2),BR-300(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-03H	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		COLOR-A-2120(2)
L2370660-03J	Plastic 250ml NaOH preserved	B	>12	>12	4.4	Y	Absent		TCN-9010(14)
L2370660-03K	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),MG-TI(180),HARDT(180),CA-TI(180),CO-6020T(180)
L2370660-03L	Plastic 500ml H2SO4 preserved	B	<2	<2	4.4	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-03M	Plastic 950ml unpreserved	B	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),TDS-2540(7),NO3-353(2),BOD-5210(2),BR-300(28)
L2370660-03N	Amber 950ml H2SO4 preserved	B	<4	<4	4.4	Y	Absent		NY-TPHENOL-420(28)
L2370660-04A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-04B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-04C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-04D	Vial H2SO4 preserved	A	NA	NA	4.1	Y	Absent		TOC-5310(28)
L2370660-04E	Vial H2SO4 preserved	A	NA	NA	4.1	Y	Absent		TOC-5310(28)
L2370660-04F	Plastic 250ml unpreserved/No Headspace	A	NA		4.1	Y	Absent		ALK-T-2320(14)
L2370660-04G	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),TDS-2540(7),BR-300(28),NO3-353(2)
L2370660-04H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L2370660-04J	Plastic 250ml NaOH preserved	A	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2370660-04K	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		BA-6020T(180),TL-6020T(180),SE-6020T(180),FE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),MG-TI(180),CA-TI(180),CO-6020T(180),HARDT(180)
L2370660-04L	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-04M	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),TDS-2540(7),BR-300(28),NO3-353(2)
L2370660-04N	Amber 950ml H2SO4 preserved	A	<4	<4	4.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-05A	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-05B	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-05C	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-05D	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-05E	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-05F	Plastic 250ml unpreserved/No Headspace	F	NA		4.0	Y	Absent		ALK-T-2320(14)
L2370660-05G	Plastic 250ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-05H	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		COLOR-A-2120(2)
L2370660-05J	Plastic 250ml NaOH preserved	F	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2370660-05K	Plastic 250ml HNO3 preserved	F	<2	<2	4.0	Y	Absent		SE-6020T(180),TL-6020T(180),FE-6020T(180),BA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),B-TI(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),MG-TI(180),HARDT(180),CA-TI(180),CO-6020T(180)
L2370660-05L	Plastic 500ml H2SO4 preserved	F	<2	<2	4.0	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-05M	Plastic 950ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-05N	Amber 950ml H2SO4 preserved	F	<4	<4	4.0	Y	Absent		NY-TPHENOL-420(28)
L2370660-06A	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06A1	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06A2	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06B	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06B1	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06B2	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06C	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-06C1	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06C2	Vial HCl preserved	F	NA		4.0	Y	Absent		NYTCL-8260(14)
L2370660-06D	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06D1	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06D2	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06E	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06E1	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06E2	Vial H2SO4 preserved	F	NA		4.0	Y	Absent		TOC-5310(28)
L2370660-06F	Plastic 250ml unpreserved/No Headspace	F	NA		4.0	Y	Absent		ALK-T-2320(14)
L2370660-06F1	Plastic 250ml unpreserved/No Headspace	F	NA		4.0	Y	Absent		ALK-T-2320(14)
L2370660-06F2	Plastic 250ml unpreserved/No Headspace	F	NA		4.0	Y	Absent		ALK-T-2320(14)
L2370660-06G	Plastic 250ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06G1	Plastic 250ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06G2	Plastic 250ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06H	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		COLOR-A-2120(2)
L2370660-06H1	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		COLOR-A-2120(2)
L2370660-06H2	Amber 250ml unpreserved	F	7	7	4.0	Y	Absent		COLOR-A-2120(2)
L2370660-06J	Plastic 250ml NaOH preserved	F	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2370660-06J1	Plastic 250ml NaOH preserved	F	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2370660-06J2	Plastic 250ml NaOH preserved	F	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2370660-06K	Plastic 250ml HNO3 preserved	F	<2	<2	4.0	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-TI(180),HG-T(28),HARDT(180),CO-6020T(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-06K1	Plastic 250ml HNO3 preserved	F	<2	<2	4.0	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-TI(180),HG-T(28),HARDT(180),CO-6020T(180),CA-TI(180)
L2370660-06K2	Plastic 250ml HNO3 preserved	F	<2	<2	4.0	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AG-6020T(180),AL-6020T(180),MG-TI(180),HG-T(28),HARDT(180),CO-6020T(180),CA-TI(180)
L2370660-06L	Plastic 500ml H2SO4 preserved	F	<2	<2	4.0	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-06L1	Plastic 500ml H2SO4 preserved	F	<2	<2	4.0	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-06L2	Plastic 500ml H2SO4 preserved	F	<2	<2	4.0	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-06M	Plastic 950ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06M1	Plastic 950ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06M2	Plastic 950ml unpreserved	F	7	7	4.0	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),TDS-2540(7),BOD-5210(2),NO3-353(2)
L2370660-06N	Amber 950ml H2SO4 preserved	F	<4	<4	4.0	Y	Absent		NY-TPHENOL-420(28)
L2370660-06N1	Amber 950ml H2SO4 preserved	F	<4	<4	4.0	Y	Absent		NY-TPHENOL-420(28)
L2370660-06N2	Amber 950ml H2SO4 preserved	F	<4	<4	4.0	Y	Absent		NY-TPHENOL-420(28)
L2370660-06O	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06O1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06O2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06P	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06P1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06P2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06Q	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06Q1	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-06Q2	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-06R	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-06R1	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-06R2	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-06S	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-06S1	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-06S2	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-07A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-07B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-07C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-07D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-07E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-07F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-07G	Plastic 250ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),TDS-2540(7),BR-300(28),NO3-353(2),BOD-5210(2)
L2370660-07H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-07J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-07K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AL-6020T(180),MG-TI(180),AG-6020T(180),HG-T(28),CD-6020T(180),CA-TI(180),HARDT(180),CO-6020T(180)
L2370660-07L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-07M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),TDS-2540(7),BR-300(28),NO3-353(2),BOD-5210(2)
L2370660-07N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-08A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-08B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-08C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-08D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-08E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-08F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-08G	Plastic 250ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-08H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-08J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-08K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),B-TI(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),MG-TI(180),CO-6020T(180),CA-TI(180),HARDT(180)
L2370660-08L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-08M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-08N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-08O	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-08P	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-08Q	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-08R	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-08S	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-09A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-09B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-09C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-09D	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-09E	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-09F	Plastic 250ml unpreserved/No Headspace	A	NA		4.1	Y	Absent		ALK-T-2320(14)
L2370660-09G	Plastic 250ml unpreserved	A	11	11	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-09H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		COLOR-A-2120(2)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-09J	Plastic 250ml NaOH preserved	A	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2370660-09K	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),MG-TI(180),CD-6020T(180),CO-6020T(180),CA-TI(180),HARDT(180)
L2370660-09L	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-09M	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BR-300(28),NO3-353(2),TDS-2540(7),BOD-5210(2)
L2370660-09N	Amber 950ml H2SO4 preserved	A	<4	<4	4.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-10A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-10B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-10C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-10D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-10E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-10F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-10G	Plastic 250ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),BOD-5210(2),TDS-2540(7),NO3-353(2)
L2370660-10H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-10J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-10K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),MG-TI(180),AG-6020T(180),CO-6020T(180),CA-TI(180),HARDT(180)
L2370660-10L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-10M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),BOD-5210(2),TDS-2540(7),NO3-353(2)
L2370660-10N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-11A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-11B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-11C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-11D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-11E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-11F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-11G	Plastic 250ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),NO3-353(2),BR-300(28),TDS-2540(7)
L2370660-11H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-11J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-11K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),B-TI(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),MG-TI(180),AL-6020T(180),HG-T(28),CD-6020T(180),HARDT(180),CO-6020T(180),CA-TI(180)
L2370660-11L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-11M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),NO3-353(2),BR-300(28),TDS-2540(7)
L2370660-11N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-11O	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-11P	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-11Q	Plastic 500ml unpreserved	C	NA		2.5	Y	Absent		A2-1633-DRAFT(28)
L2370660-11R	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-11S	Amber 250ml unpreserved	C	7	7	2.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2370660-12A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-12B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-12C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-12D	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-12E	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-12F	Plastic 250ml unpreserved/No Headspace	A	NA		4.1	Y	Absent		ALK-T-2320(14)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-12G	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),NO3-353(2),BR-300(28),TDS-2540(7),BOD-5210(2)
L2370660-12H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L2370660-12J	Plastic 250ml NaOH preserved	A	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2370660-12K	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),B-TI(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),MG-TI(180),AL-6020T(180),CD-6020T(180),HG-T(28),CA-TI(180),CO-6020T(180),HARDT(180)
L2370660-12L	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-12M	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),NO3-353(2),BR-300(28),TDS-2540(7),BOD-5210(2)
L2370660-12N	Amber 950ml H2SO4 preserved	A	<4	<4	4.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-13A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-13B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-13C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2370660-13D	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-13E	Vial H2SO4 preserved	A	NA		4.1	Y	Absent		TOC-5310(28)
L2370660-13F	Plastic 250ml unpreserved/No Headspace	A	NA		4.1	Y	Absent		ALK-T-2320(14)
L2370660-13G	Plastic 250ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L2370660-13H	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		COLOR-A-2120(2)
L2370660-13J	Plastic 250ml NaOH preserved	A	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2370660-13K	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),B-TI(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-TI(180),HARDT(180),CA-TI(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-13L	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-13M	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BOD-5210(2),BR-300(28),NO3-353(2),TDS-2540(7)
L2370660-13N	Amber 950ml H2SO4 preserved	A	<4	<4	4.1	Y	Absent		NY-TPHENOL-420(28)
L2370660-14A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-14B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-14C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-14D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-14E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-14F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-14H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-14J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-14K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),B-TI(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),MG-TI(180),CD-6020T(180),HG-T(28),CO-6020T(180),CA-TI(180),HARDT(180)
L2370660-14L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-14M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),BOD-5210(2),BR-300(28),TDS-2540(7),NO3-353(2)
L2370660-14N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-15A	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-15B	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-15C	Vial HCl preserved	D	NA		4.6	Y	Absent		NYTCL-8260(14)
L2370660-15D	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-15E	Vial H2SO4 preserved	D	NA		4.6	Y	Absent		TOC-5310(28)
L2370660-15F	Plastic 250ml unpreserved/No Headspace	D	NA		4.6	Y	Absent		ALK-T-2320(14)
L2370660-15G	Plastic 250ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),BOD-5210(2),TDS-2540(7)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-15H	Amber 250ml unpreserved	D	7	7	4.6	Y	Absent		COLOR-A-2120(2)
L2370660-15J	Plastic 250ml NaOH preserved	D	>12	>12	4.6	Y	Absent		TCN-9010(14)
L2370660-15K	Plastic 250ml HNO3 preserved	D	<2	<2	4.6	Y	Absent		SE-6020T(180),TL-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),B-TI(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),MG-TI(180),CO-6020T(180),CA-TI(180),HARDT(180)
L2370660-15L	Plastic 500ml H2SO4 preserved	D	<2	<2	4.6	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-15M	Plastic 950ml unpreserved	D	7	7	4.6	Y	Absent		SO4-300(28),HEXCR-7196(1),CL-300(28),BR-300(28),NO3-353(2),BOD-5210(2),TDS-2540(7)
L2370660-15N	Amber 950ml H2SO4 preserved	D	<4	<4	4.6	Y	Absent		NY-TPHENOL-420(28)
L2370660-16A	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2370660-16B	Vial HCl preserved	B	NA		4.4	Y	Absent		NYTCL-8260(14)
L2370660-16D	Vial H2SO4 preserved	B	NA		4.4	Y	Absent		TOC-5310(28)
L2370660-16E	Vial H2SO4 preserved	B	NA		4.4	Y	Absent		TOC-5310(28)
L2370660-16F	Plastic 250ml unpreserved/No Headspace	B	NA		4.4	Y	Absent		ALK-T-2320(14)
L2370660-16G	Plastic 250ml unpreserved	B	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),NO3-353(2),TDS-2540(7),BOD-5210(2),BR-300(28)
L2370660-16H	Amber 250ml unpreserved	B	7	7	4.4	Y	Absent		COLOR-A-2120(2)
L2370660-16J	Plastic 250ml NaOH preserved	B	>12	>12	4.4	Y	Absent		TCN-9010(14)
L2370660-16K	Plastic 250ml HNO3 preserved	B	<2	<2	4.4	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),B-TI(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-TI(180),CD-6020T(180),CA-TI(180),HARDT(180),CO-6020T(180)
L2370660-16L	Plastic 500ml H2SO4 preserved	B	<2	<2	4.4	Y	Absent		TKN-351(28),COD-410-LOW(28),NH3-350(28)
L2370660-16M	Plastic 950ml unpreserved	B	7	7	4.4	Y	Absent		SO4-300(28),CL-300(28),HEXCR-7196(1),NO3-353(2),TDS-2540(7),BOD-5210(2),BR-300(28)
L2370660-16N	Amber 950ml H2SO4 preserved	B	<4	<4	4.4	Y	Absent		NY-TPHENOL-420(28)

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023

Lab Number: L2370660
Report Date: 12/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2370660-17A	Vial HCl preserved	A	NA	NA	4.1	Y	Absent		NYTCL-8260(14)
L2370660-17B	Vial HCl preserved	A	NA	NA	4.1	Y	Absent		NYTCL-8260(14)

Container Comments

L2370660-04D	Vial received Empty
L2370660-04E	Vial received Empty

*Values in parentheses indicate holding time in days

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: CLAY ANNUAL SAMPLING-LANDFILL
Project Number: 195767023
Lab Number: L2370660
Report Date: 12/17/23

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CLAY ANNUAL SAMPLING-LANDFILL	**Lab Number:**	L2370660
Project Number:	195767023	**Report Date:**	12/17/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 12/1/23

ALPHA Job #: L2370660

Project Information
Project Name: Clay Annual Sampling - Landfill
Project Location: Oak Orchard Rd, Clay, NY
Project #: 195767023
(Use Project name as Project #) ☐
Project Manager: Wayne Randall
ALPHAQuote #:

Client Information
Client: CDS
Address:
Phone:
Fax:
Email: Wrandall@cscos.com

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Color-A-2120	T Phenol-420	Hex Cr 7052 / 540 Sulf	BR-300 CL 1003	Total Hg/Total Metals	NH3 TKN COD	TCN	ALK T-2320	NYTCL-8260	TOC	Sample Specific Comments	Total Bottles
70660-01	MW-11SR	11/30/23	800	H2O	WR	X	X	X	X	X	X	X	X	X	X		
-02	DGC-5	↓	830	↓	WR	X	X	X	X	X	X	X	X	X	X		
-03	MW-7S		900		WR	X	X	X	X	X	X	X	X	X	X		
-04	MW-8S		930		WR	X	X	X	X	X	X	X	X	X	X		
-05	MW-6SR		1000		WR	X	X	X	X	X	X	X	X	X	X		
-06	DGC-6D		1030		WR	X	X	X	X	X	X	X	X	X	X		
-07	MW-9S		1100		WR	X	X	X	X	X	X	X	X	X	X		
-08	MW-4SR		1130		WR	X	X	X	X	X	X	X	X	X	X		
-09	MW-10SR		1200		WR	X	X	X	X	X	X	X	X	X	X		
-10	DGC-2D	↓	1230	↓	W	X	X	X	X	X	X	X	X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Wayne Randall	3/30/23 1607	[signature] AAL	11/30 1610
[signature] AAL	1700	[signature]	12/1/23 0200

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Serial_No:12172318:12

NEW YORK CHAIN OF CUSTODY

ALPHA

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 3

Date Rec'd in Lab: 12/1/23

ALPHA Job #: L2370660

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Project Information
Project Name: Clay Annual Sampling - Landfill
Project Location: Oak Orchard, Clay, NY
Project #: 195767023
(Use Project name as Project #) ☐
Project Manager: Wayne Randall
ALPHAQuote #:

Client Information
Client: C&S
Address:
Phone:
Fax:
Email: wrandall@cscos.com

Turn-Around Time
Standard ☒
Rush (only if pre approved) ☐
Due Date:
# of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Color-A-2120	T Hard-420	Hex CR-7196, TDS 2540, SO4	BOD-5210B, 300 CL, NO3	Total Hg, Total Metals	NH3 TKN COD	TCN	ALK-T 2320	NYTCL-8260	TOC	Sample Specific Comments	Total Bottles
70660-11	MW-25R	11/30/23	1300	H_2O	WR	X	X	X	X	X	X	X	X	X	X		
-12	DGC-3S	↓	1330	↓	WR	X	X	X	X	X	X	X	X	X	X		
-13	DGC-3D	↓	1400	↓	WR	X	X	X	X	X	X	X	X	X	X		
-14	~~[illegible]~~ SW-2	↓	1430	↓	WR	X	X	X	X	X	X	X	X	X	X		
-15	~~[illegible]~~ SW-1	↓	1500	↓	WR	X	X	X	X	X	X	X	X	X	X		
-06	~~[illegible]~~ DGC-6D MS	↓	1030	↓	WR	X	X	X	X	X	X	X	X	X	X		
↓	DGC-6D MSD	↓	1030	↓	WR	X	X	X	X	X	X	X	X	X	X		
-16	Duplicate	↓		↓		X	X	X	X	X	X	X	X	X	X		

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Wayne Randall	11/30/23 1607	[signature] AAL	11/30/23 1610
[signature] AAL	11/30 1700	[signature]	12/1/23 0250

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 12/1/23

ALPHA Job #: L2370660

Project Information

Project Name: Clay Annual Sampling – Clay
Project Location: Oak Orchard, Clay, NY
Project #: 195767 023
(Use Project name as Project #) ☐
Project Manager: Wayne Randall
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: CES
Address:
Phone:
Fax:
Email: wrandall@cscos.com

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	A2-1,4Dioxane SIM	PFAAs; EPA 1633						Sample Specific Comments	Total Bottle
70660-06	DGC-6D	3/30/23	1030	H2O	WR	X	X							
-08	MW-4SR	↓	1130	↓	↓	X	X							
-11	MW-2SR	↓	1300	↓	↓	X	X							
-06	DGC-6D MS	↓	1030	↓	↓	X	X							
↓	DGC-6D MSD	↓	1030	↓	↓	X	X							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type								
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
Wayne Randall	3/30/23 1607	[signature] AAL	11/30 1610
[signature] AAL	11/30/23 1700	[signature]	12/1/23 0300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX B

LANDFILL INSPECTION/GAS MONITORING REPORTS

4/1/23					
CLAY LANDFILL GAS VENT MONITORING					
VENT	**%LEL**	**CO (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**Comments**
GV-1	0.0	0.0	0.0	0.0	
GV-2	0.0	0.0	0.0	0.0	
GV-3	>100	0.0	0.0	1.0	
GV-4	0.0	0.0	0.0	0.0	
GV-5	0.0	0.0	0.0	1.0	
GV-6	>100	0.0	0.0	1.0	
GV-7	>100	0.0	0.0	0.0	
GV-8	0.0	0.0	0.0	0.0	
GV-9	0.0	0.0	0.0	0.0	
GV-10	>100	0.0	0.0	0.0	
GV-11	>100	0.0	0.0	0.0	
GV-12	0.0	0.0	0.0	0.0	
GV-13	>100	0.0	0.0	0.0	
GV-14	0.0	0.0	0.0	0.0	
GV-15	0.0	0.0	0.0	1.0	
GV-16	0.0	0.0	0.0	0.0	
GV-17	>100	0.0	0.0	0.0	
GV-18	> 100	0.0	0.0	1.0	
GV-19	0.0	0.0	0.0	1.0	
GV-20	0.0	0.0	0.0	0.0	
GV-21	> 100	0.0	0.0	0.0	
GV-22	>100	0.0	0.0	1.0	
North Boundary	0.0	0.0	0.0	0.0	
East Boundary	0.0	0.0	0.0	0.0	
South Boundary	0.0	0.0	0.0	0.0	
West Boundary	0.0	0.0	0.0	0.0	
PZ-1 Water Level	feet	41.12			

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

Town of Clay Landfill
Post-Closure Monitoring – 1st Quarter Event – April 1, 2023

6/27/23					
CLAY LANDFILL GAS VENT MONITORING					
VENT	**%LEL**	**CO (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**Comments**
GV-1	0.0	0.0	0.0	0.0	
GV-2	0.0	0.0	0.0	0.0	
GV-3	0.0	0.0	0.0	1.0	
GV-4	0.0	0.0	0.0	0.0	
GV-5	0.0	0.0	0.0	1.0	
GV-6	0.0	0.0	0.0	1.0	
GV-7	>100	0.0	0.0	0.0	
GV-8	0.0	0.0	0.0	0.0	
GV-9	0.0	0.0	0.0	0.0	
GV-10	>100	0.0	0.0	0.0	
GV-11	>100	0.0	0.0	0.0	
GV-12	0.0	0.0	0.0	0.0	
GV-13	>100	0.0	0.0	0.0	
GV-14	0.0	0.0	0.0	0.0	
GV-15	0.0	0.0	0.0	1.0	
GV-16	0.0	0.0	0.0	0.0	
GV-17	>100	0.0	0.0	0.0	
GV-18	> 100	0.0	0.0	1.0	
GV-19	0.0	0.0	0.0	1.0	
GV-20	0.0	0.0	0.0	0.0	
GV-21	> 100	0.0	0.0	0.0	
GV-22	>100	0.0	0.0	1.0	
North Boundary	0.0	0.0	0.0	0.0	
East Boundary	0.0	0.0	0.0	0.0	
South Boundary	0.0	0.0	0.0	0.0	
West Boundary	0.0	0.0	0.0	0.0	
PZ-1 Water Level	feet	41.22			

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

Town of Clay Landfill
Post-Closure Monitoring – 2nd Quarter Event – June 23, 2023

8/24/23					
CLAY LANDFILL GAS VENT MONITORING					
VENT	**%LEL**	**CO (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**Comments**
GV-1	0.0	0.0	0.0	0.0	
GV-2	0.0	0.0	0.0	0.0	
GV-3	0.0	0.0	0.0	1.0	
GV-4	0.0	0.0	0.0	0.0	
GV-5	>100	0.0	0.0	1.0	
GV-6	0.0	0.0	0.0	1.0	
GV-7	>100	0.0	0.0	0.0	
GV-8	0.0	0.0	0.0	0.0	
GV-9	0.0	0.0	0.0	0.0	
GV-10	>100	0.0	0.0	0.0	
GV-11	>100	0.0	0.0	0.0	
GV-12	0.0	0.0	0.0	0.0	
GV-13	>100	0.0	0.0	0.0	
GV-14	0.0	0.0	0.0	0.0	
GV-15	0.0	0.0	0.0	1.0	
GV-16	>100	0.0	0.0	0.0	
GV-17	>100	0.0	0.0	0.0	
GV-18	> 100	0.0	0.0	1.0	
GV-19	0.0	0.0	0.0	1.0	
GV-20	0.0	0.0	0.0	0.0	
GV-21	> 100	0.0	0.0	0.0	
GV-22	>100	0.0	0.0	1.0	
North Boundary	0.0	0.0	0.0	0.0	
East Boundary	0.0	0.0	0.0	0.0	
South Boundary	0.0	0.0	0.0	0.0	
West Boundary	0.0	0.0	0.0	0.0	
PZ-1 Water Level	feet	41.22			

12/30/23					
CLAY LANDFILL GAS VENT MONITORING					
VENT	**%LEL**	**CO (ppm)**	**H_2S (ppm)**	**PID (ppm)**	**Comments**
GV-1	0.0	0.0	0.0	0.0	
GV-2	0.0	0.0	0.0	0.0	
GV-3	>100	0.0	0.0	1.0	
GV-4	0.0	0.0	0.0	0.0	
GV-5	0.0	0.0	0.0	1.0	
GV-6	>100	0.0	0.0	1.0	
GV-7	>100	0.0	0.0	0.0	
GV-8	0.0	0.0	0.0	0.0	
GV-9	0.0	0.0	0.0	0.0	
GV-10	>100	0.0	0.0	0.0	
GV-11	>100	0.0	0.0	0.0	
GV-12	>100	0.0	0.0	0.0	
GV-13	>100	0.0	0.0	0.0	
GV-14	0.0	0.0	0.0	0.0	
GV-15	0.0	0.0	0.0	1.0	
GV-16	>100	0.0	0.0	0.0	
GV-17	>100	0.0	0.0	0.0	
GV-18	> 100	0.0	0.0	1.0	
GV-19	0.0	0.0	0.0	1.0	
GV-20	0.0	0.0	0.0	0.0	
GV-21	> 100	0.0	0.0	0.0	
GV-22	>100	0.0	0.0	1.0	
North Boundary	0.0	0.0	0.0	0.0	
East Boundary	0.0	0.0	0.0	0.0	
South Boundary	0.0	0.0	0.0	0.0	
West Boundary	0.0	0.0	0.0	0.0	
PZ-1 Water Level	feet	41.59			