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ANALYTICAL REPORT

Eurofins Environment Testing Philadelphia, LLC
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Laboratory Job ID: 630-31774-1
Client Project/Site: Semi-Annual Landfill Leachate Sumps
Sampling Event: Semi-Annual Leachate Sumps

For:
Cape May County Municipal Utilities Auth
1523 U.S. Route 9 North
PO BOX 610
Cape May Court House, New Jersey 08210

Attn: Michael M Frisko

Authorized for release by:
5/4/2022 4:30:19 PM

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Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD,and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs
· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically “SAFE” if no coliform bacteria are detected. To be considered “SAFE” your report should indicate “<1 cfu/100mL” or “NEG” for the coliform test. If you report indicates a positive result “POS” or a value greater than or equal to one, then your supply is “UNSAFE FOR DRINKING” contact your local health department.

Warranties, Terms, and Conditions
· Analyses for Field Parameters are performed by EQC field staff. Locations and certifications are identified on the Chain of Custody as follows:
ERF = field staff performs tests under NJ State certification #02015
VL = field staff performs tests under NJ State certification #06005
WG = field staff performs tests under NJ State certification #PA001
H = field staff performs tests under NJ NELAP certification #PA093, PA NELAP certification # 46-05499

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

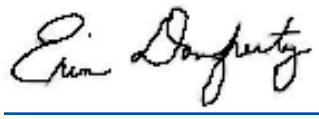
· All samples are collected as “grab” samples unless otherwise identified.

· Reported results related only to the samples as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins’ online data portal “TotalAccess” will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Erin Dougherty
Project Administrator
5/4/2022 4:30:19 PM

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Definitions/Glossary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Qualifiers

GC/MS VOA

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

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Metals

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
^5+	Linear Range Check (LRC) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 630-31774-1

Laboratory: Eurofins Environment Testing Philadelphia, LLC

Narrative

Job Narrative
630-31774-1

Receipt
The samples were received on 4/21/2022 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

GC/MS VOA
Method 624.1_PREC: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: LEACHATE SUMP 7 (630-31774-5), LEACHATE SUMP 9 (630-31774-7), LEACHATE SUMP 10 (630-31774-8), LEACHATE SUMP 12 (630-31774-10), LEACHATE SUMP 13 (630-31774-11), LEACHATE SUMP 16 (630-31774-14), TRIP BLANK (630-31774-17) and FIELD BLANK (630-31774-18). The requested target analyte list contains Acrolein, Acrylonitrile and 2-Chloroethyl vinyl ether, which are acid-labile compounds that degrade in an acidic medium.

Method 624.1_PREC: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: LEACHATE SUMP 3 (630-31774-1), LEACHATE SUMP 4 (630-31774-2), LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 6 (630-31774-4), LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 11 (630-31774-9), LEACHATE SUMP 13 (630-31774-11), LEACHATE SUMP 14 (630-31774-12), LEACHATE SUMP 15 (630-31774-13), LEACHATE SUMP 16 (630-31774-14), (630-31774-A-1 MS) and (630-31774-A-1 MSD). Elevated reporting limits (RLs) are provided.

Method 624.1_PREC: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: LEACHATE SUMP 3 (630-31774-1), LEACHATE SUMP 4 (630-31774-2), LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 6 (630-31774-4), LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 11 (630-31774-9), LEACHATE SUMP 14 (630-31774-12), LEACHATE SUMP 15 (630-31774-13), (630-31774-A-1 MS) and (630-31774-A-1 MSD).

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-251217 recovered outside acceptance criteria, low biased, for Methyl chloride, Chloromethane, Methyl chloride, Chloroethane and Chloroethane . A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-251217 recovered above the upper control limit for Acetonitrile and Acetonitrile . Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: LEACHATE SUMP 3 (630-31774-1), LEACHATE SUMP 4 (630-31774-2), LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 6 (630-31774-4), LEACHATE SUMP 7 (630-31774-5), LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 9 (630-31774-7), LEACHATE SUMP 11 (630-31774-9), LEACHATE SUMP 12 (630-31774-10), LEACHATE SUMP 13 (630-31774-11), LEACHATE SUMP 14 (630-31774-12), LEACHATE SUMP 15 (630-31774-13), LEACHATE SUMP 16 (630-31774-14), TRIP BLANK (630-31774-17) and FIELD BLANK (630-31774-18). The requested target analyte list includes Acrolein and Acrylonitrile , an acid-labile compound that degrades in an acidic medium.

Method 8260D: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: LEACHATE SUMP 3 (630-31774-1), LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 6 (630-31774-4), LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 11 (630-31774-9), LEACHATE SUMP 12 (630-31774-10), LEACHATE SUMP 14 (630-31774-12), LEACHATE SUMP 15 (630-31774-13) and LEACHATE SUMP 16 (630-31774-14). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: LEACHATE SUMP 3 (630-31774-1), LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 6 (630-31774-4), LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 11 (630-31774-9) and LEACHATE SUMP 15 (630-31774-13).

Job ID: 630-31774-1 (Continued)

Laboratory: Eurofins Environment Testing Philadelphia, LLC (Continued)

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

Metals

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

General Chemistry

Method 350.1: The reference method requires samples to be preserved to a pH of <2. The following sample(s) were received with insufficient preservation at a pH of 3: LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 11 (630-31774-9) and LEACHATE SUMP 15 (630-31774-13). The sample(s) were preserved to the appropriate pH in the laboratory.

Method 350.1: The reference method requires samples to be preserved to a pH of <2. The following sample(s) were received with insufficient preservation at a pH of 3: LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 11 (630-31774-9) and LEACHATE SUMP 15 (630-31774-13). The sample(s) were preserved to the appropriate pH in the laboratory.

Method 350.1: The reference method requires samples to be preserved to a pH of <2. The following sample(s) were received with insufficient preservation at a pH of 3: LEACHATE SUMP 5 (630-31774-3), LEACHATE SUMP 11 (630-31774-9) and LEACHATE SUMP 15 (630-31774-13). The sample(s) were preserved to the appropriate pH in the laboratory.

Method 350.1: The reference method requires samples to be preserved to a pH of <2. The following sample(s) were received with insufficient preservation at a pH of 7: LEACHATE SUMP 8 (630-31774-6), LEACHATE SUMP 11 (630-31774-9) and LEACHATE SUMP 15 (630-31774-13). The sample(s) were preserved to the appropriate pH in the laboratory.

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

Field Service / Mobile Lab

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

Detection Summary

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 3

Lab Sample ID: 630-31774-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	15	J	20	6.0	ug/L	20		8260D	Total/NA
Trichloroethylene	11	J	20	6.0	ug/L	20		8260D	Total/NA
Barium	0.16		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0060	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0040	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0080	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.0054	J	0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.11		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	200		20	10	mg/L	200		EPA 350.1	Total/NA
Nitrate as N	0.066	J	0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	4000		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	1800		240	96	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	180		10	5.0	mg/L	100		350.1	Dissolved
Nitrate, Dissolved	0.071	J	0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	8.20		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 4

Lab Sample ID: 630-31774-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.20	J	1.0	0.20	ug/L	1		8260D	Total/NA
Chlorobenzene	7.2		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	15	J	20	0.70	ug/L	1		8260D	Total/NA
Benzene	1.6		1.0	0.30	ug/L	1		8260D	Total/NA
o-Dichlorobenzene	0.31	J	5.0	0.20	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	2.4	J	5.0	0.30	ug/L	1		8260D	Total/NA
Arsenic	0.016	J	0.050	0.016	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.12		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0045	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0029	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0041	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.0034	J	0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.076		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	140		20	10	mg/L	200		EPA 350.1	Total/NA
Nitrate as N	0.21		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	2800		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	1100		240	96	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	140		10	5.0	mg/L	100		350.1	Dissolved
Nitrate, Dissolved	0.18		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	8.70		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 5

Lab Sample ID: 630-31774-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	15	J	50	15	ug/L	50		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 5 (Continued)

Lab Sample ID: 630-31774-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.038	J	0.050	0.016	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.18		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.045		0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.021		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.090		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.056		0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.031	J	0.052	0.016	mg/L	1		200.7	Dissolved
Barium	0.098		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	680		20	10	mg/L	200		EPA 350.1	Total/NA
Specific Conductance	12000		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	5400		240	96	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	660		20	10	mg/L	200		350.1	Dissolved
Depth to Water from Top of Casing	0.300		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 6

Lab Sample ID: 630-31774-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.096		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.014	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0078		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.029		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.014		0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.10		0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.066		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	380		20	10	mg/L	200		EPA 350.1	Total/NA
Nitrate as N	3.3		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	4800		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	2100		240	96	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	260		10	5.0	mg/L	100		350.1	Dissolved
Nitrate, Dissolved	5.1		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	3.70		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 7

Lab Sample ID: 630-31774-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J	20	0.70	ug/L	1		8260D	Total/NA
Barium	0.064		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.012		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.025		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.019	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: LEACHATE SUMP 7 (Continued)
Lab Sample ID: 630-31774-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.066		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	8.9		2.0	1.0	mg/L	20		EPA 350.1	Total/NA
Specific Conductance	890		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	600		60	24	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	9.3		0.50	0.25	mg/L	5		350.1	Dissolved
Depth to Water from Top of Casing	27.4		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 8
Lab Sample ID: 630-31774-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	17	J	50	15	ug/L	50		8260D	Total/NA
Arsenic	0.11		0.050	0.016	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.32		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.083		0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.018		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.074		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.044		0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.10		0.052	0.016	mg/L	1		200.7	Dissolved
Barium	0.24		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	620		20	10	mg/L	200		EPA 350.1	Total/NA
Specific Conductance	11000		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	4900		240	96	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	290		10	5.0	mg/L	100		350.1	Dissolved
Nitrate, Dissolved	1.4		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	29.3		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 9
Lab Sample ID: 630-31774-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.2	J	20	0.70	ug/L	1		8260D	Total/NA
Barium	0.025		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0022	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.0061	J	0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.067		0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.030		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	0.062	J	0.10	0.050	mg/L	1		EPA 350.1	Total/NA
Nitrate as N	3.4		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	310		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	190		30	12	mg/L	1		SM 2540C	Total/NA
Nitrate, Dissolved	3.8		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	9.40		0.0100	0.0100	ft	1		Field Parameter	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 10 — Lab Sample ID: 630-31774-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.071		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0021	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.035		0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.065		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	0.10		0.10	0.050	mg/L	1		EPA 350.1	Total/NA
Nitrate as N	6.7		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	220		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	150		30	12	mg/L	1		SM 2540C	Total/NA
Nitrate, Dissolved	7.6		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	24.1		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 11 — Lab Sample ID: 630-31774-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.10		0.050	0.016	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.15		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.14		0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.036		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.19		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.099		0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.10		0.052	0.016	mg/L	1		200.7	Dissolved
Barium	0.14		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	1100		20	10	mg/L	200		EPA 350.1	Total/NA
Specific Conductance	18000		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	7400		1200	480	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	770		20	10	mg/L	200		350.1	Dissolved
Nitrate, Dissolved	0.16		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	14.6		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 12 — Lab Sample ID: 630-31774-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.046		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0038	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0015	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Copper	0.011	J	0.020	0.0080	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0061	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.0079	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.030		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	9.4		0.50	0.25	mg/L	5		EPA 350.1	Total/NA
Nitrate as N	4.4		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: LEACHATE SUMP 12 (Continued)
Lab Sample ID: 630-31774-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	870		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	460		60	24	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	15		0.50	0.25	mg/L	5		350.1	Dissolved
Nitrate, Dissolved	4.7		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	15.0		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 13
Lab Sample ID: 630-31774-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.0	J	20	0.70	ug/L	1		8260D	Total/NA
Barium	0.048		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0030	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0027	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.016		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.0035	J	0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.014	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.044		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	2.9		0.10	0.050	mg/L	1		EPA 350.1	Total/NA
Nitrate as N	0.40		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	1600		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	1100		120	48	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	3.0		0.50	0.25	mg/L	5		350.1	Dissolved
Nitrate, Dissolved	0.49		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	14.3		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 14
Lab Sample ID: 630-31774-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0093		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0058	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.0018	J	0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Copper	0.082		0.020	0.0080	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0087	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.0026	J	0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.013	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.0082		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	0.14		0.10	0.050	mg/L	1		EPA 350.1	Total/NA
Nitrate as N	9.4		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	2100		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	1400		240	96	mg/L	1		SM 2540C	Total/NA
Nitrate, Dissolved	10		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	10.3		0.0100	0.0100	ft	1		Field Parameter	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 15 — Lab Sample ID: 630-31774-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.21		0.050	0.016	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.40		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.67		0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Cobalt	0.029		0.0050	0.0015	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.14		0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Vanadium	0.088		0.010	0.0019	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.017	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Arsenic	0.20		0.052	0.016	mg/L	1		200.7	Dissolved
Barium	0.39		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	1000		20	10	mg/L	200		EPA 350.1	Total/NA
Specific Conductance	15000		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	7100		1200	480	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	960		20	10	mg/L	200		350.1	Dissolved
Nitrate Nitrite as N	0.17		0.10	0.040	mg/L	1		353.2	Dissolved
Nitrate, Dissolved	0.17		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	9.20		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 16 — Lab Sample ID: 630-31774-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.030		0.0050	0.0010	mg/L	1		200.7 Rev 4.4	Total Recoverable
Chromium	0.0080	J	0.015	0.0030	mg/L	1		200.7 Rev 4.4	Total Recoverable
Copper	0.0096	J	0.020	0.0080	mg/L	1		200.7 Rev 4.4	Total Recoverable
Nickel	0.0096	J	0.010	0.0021	mg/L	1		200.7 Rev 4.4	Total Recoverable
Zinc	0.31		0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable
Barium	0.031		0.0052	0.0010	mg/L	1		200.7	Dissolved
Ammonia as N	6.8		0.20	0.10	mg/L	2		EPA 350.1	Total/NA
Nitrate as N	1.7		0.10	0.040	mg/L	1		Nitrate by calc	Total/NA
Specific Conductance	850		5.0	1.7	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	510		60	24	mg/L	1		SM 2540C	Total/NA
Ammonia, Dissolved	10		0.50	0.25	mg/L	5		350.1	Dissolved
Nitrate, Dissolved	1.5		0.10	0.040	mg/L	1		353.2	Dissolved
Depth to Water from Top of Casing	7.40		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 17 - DRY — Lab Sample ID: 630-31774-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water from Top of Casing	dry		0.0100	0.0100	ft	1		Field Parameter	Total/NA

Client Sample ID: LEACHATE SUMP 18 - DRY — Lab Sample ID: 630-31774-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Depth to Water from Top of Casing	dry		0.0100	0.0100	ft	1		Field Parameter	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: TRIP BLANK
Lab Sample ID: 630-31774-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	1.0	0.20	ug/L	1		624.1	Total/NA
Acetone	14	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.36	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	23		10	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: FIELD BLANK
Lab Sample ID: 630-31774-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	0.35	J	1.0	0.30	ug/L	1		8260D	Total/NA
Methyl Ethyl Ketone	21		10	0.50	ug/L	1		8260D	Total/NA
Zinc	0.019	J	0.020	0.0037	mg/L	1		200.7 Rev 4.4	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 3
Lab Sample ID: 630-31774-1
Date Collected: 04/21/22 11:40
Matrix: Leachate
Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 10:44	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 10:44	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 10:44	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 10:44*	*20*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 10:44*	*20*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*04/24/22 10:44*	*20*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 10:44*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	8.0	ug/L			05/04/22 03:38	20
Styrene	ND		100	6.0	ug/L			05/04/22 03:38	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 03:38	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 03:38	20
1,2-Dichloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
Acrylonitrile	ND		400	6.0	ug/L			05/04/22 03:38	20
Vinyl acetate	ND		200	40	ug/L			05/04/22 03:38	20
4-Methyl-2-pentanone	ND		200	10	ug/L			05/04/22 03:38	20
Toluene	ND		20	4.0	ug/L			05/04/22 03:38	20
Chlorobenzene	**15**	**J**	20	6.0	ug/L			05/04/22 03:38	20
trans-1,4-Dichloro-2-butene	ND		1000	120	ug/L			05/04/22 03:38	20
Chlorodibromomethane	ND		20	4.0	ug/L			05/04/22 03:38	20
Tetrachloroethylene	ND		20	6.0	ug/L			05/04/22 03:38	20
Xylenes, Total	ND		20	8.0	ug/L			05/04/22 03:38	20
cis-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 03:38	20
trans-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 03:38	20
Carbon tetrachloride	ND		20	6.0	ug/L			05/04/22 03:38	20
2-Hexanone	ND		200	8.0	ug/L			05/04/22 03:38	20
1,1,1,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
Acetone	ND		400	14	ug/L			05/04/22 03:38	20
Chloroform	ND		20	6.0	ug/L			05/04/22 03:38	20
Benzene	ND		20	6.0	ug/L			05/04/22 03:38	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
Methyl bromide	ND		20	6.0	ug/L			05/04/22 03:38	20
Methyl chloride	ND		20	4.0	ug/L			05/04/22 03:38	20
Methyl iodide	ND		20	6.0	ug/L			05/04/22 03:38	20
Methylene bromide	ND		20	6.0	ug/L			05/04/22 03:38	20
Chloroethane	ND		20	4.0	ug/L			05/04/22 03:38	20
Vinyl chloride	ND		20	4.0	ug/L			05/04/22 03:38	20
Methylene Chloride	ND		20	6.0	ug/L			05/04/22 03:38	20
Carbon disulfide	ND		100	6.0	ug/L			05/04/22 03:38	20
Bromoform	ND		80	20	ug/L			05/04/22 03:38	20
Bromodichloromethane	ND		20	4.0	ug/L			05/04/22 03:38	20
1,1-Dichloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
1,1-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 03:38	20
Trichlorofluoromethane	ND		20	4.0	ug/L			05/04/22 03:38	20
1,2-Dichloropropane	ND		20	6.0	ug/L			05/04/22 03:38	20
Methyl Ethyl Ketone	ND		200	10	ug/L			05/04/22 03:38	20

Client Sample ID: LEACHATE SUMP 3
Lab Sample ID: 630-31774-1
Date Collected: 04/21/22 11:40
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
Trichloroethylene	**11**	**J**	20	6.0	ug/L			05/04/22 03:38	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 03:38	20
o-Dichlorobenzene	ND		100	4.0	ug/L			05/04/22 03:38	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			05/04/22 03:38	20
Bromochloromethane	ND		100	4.0	ug/L			05/04/22 03:38	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 03:38*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/04/22 03:38*	*20*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 03:38*	*20*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 03:38*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 03:38*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+ *+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:21	1
Arsenic	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:21	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:21	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:21	1
Barium	**0.16**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:21	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:21	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:21	1
Chromium	**0.0060**	**J**	0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:21	1
Cobalt	**0.0040**	**J**	0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:21	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:21	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:21	1
Nickel	**0.0080**	**J**	0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:21	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:21	1
Vanadium	**0.0054**	**J**	0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:21	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:21	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:00	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:00	1
Barium	**0.11**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 03:00	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 03:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**200**		20	10	mg/L			04/26/22 14:35	200
Nitrate as N	**0.066**	**J**	0.10	0.040	mg/L			04/22/22 16:23	1
Specific Conductance	**4000**		5.0	1.7	umhos/cm			04/25/22 17:19	1
Total Dissolved Solids	**1800**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**180**		10	5.0	mg/L			04/25/22 14:20	100

Client Sample ID: LEACHATE SUMP 3

Lab Sample ID: 630-31774-1

Date Collected: 04/21/22 11:40

Matrix: Leachate

Date Received: 04/21/22 17:00

General Chemistry - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate, Dissolved	0.071	J	0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	8.20		0.0100	0.0100	ft			04/21/22 11:40	1

Client Sample ID: LEACHATE SUMP 4

Lab Sample ID: 630-31774-2

Date Collected: 04/21/22 11:50

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 11:54	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 11:54	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 11:54	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*		*04/24/22 11:54*	*20*
4-Bromofluorobenzene (Surr)	*93*		*60 - 140*		*04/24/22 11:54*	*20*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*04/24/22 11:54*	*20*
Toluene-d8 (Surr)	*95*		*60 - 140*		*04/24/22 11:54*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 04:00	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 04:00	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 04:00	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 04:00	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 04:00	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 04:00	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 04:00	1
Toluene	0.20	J	1.0	0.20	ug/L			05/04/22 04:00	1
Chlorobenzene	7.2		1.0	0.30	ug/L			05/04/22 04:00	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 04:00	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 04:00	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 04:00	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 04:00	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 04:00	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 04:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Acetone	15	J	20	0.70	ug/L			05/04/22 04:00	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Benzene	1.6		1.0	0.30	ug/L			05/04/22 04:00	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 04:00	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 04:00	1

Client Sample ID: LEACHATE SUMP 4
Lab Sample ID: 630-31774-2
Date Collected: 04/21/22 11:50
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 04:00	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 04:00	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 04:00	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 04:00	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 04:00	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 04:00	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 04:00	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 04:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 04:00	1
o-Dichlorobenzene	**0.31**	**J**	5.0	0.20	ug/L			05/04/22 04:00	1
1,4-Dichlorobenzene	**2.4**	**J**	5.0	0.30	ug/L			05/04/22 04:00	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 04:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Silanol, trimethyl-	*13*	*T J N*	*ug/L*		*6.01*	*1066-40-6*		*05/04/22 04:00*	*1*
Furan, tetrahydro-	*17*	*T J N*	*ug/L*		*6.53*	*109-99-9*		*05/04/22 04:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*		*05/04/22 04:00*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/04/22 04:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*05/04/22 04:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 04:00*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+ *+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:30	1
Arsenic	**0.016**	**J**	0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:30	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:30	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:30	1
Barium	**0.12**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:30	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:30	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:30	1
Chromium	**0.0045**	**J**	0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:30	1
Cobalt	**0.0029**	**J**	0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:30	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:30	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:30	1
Nickel	**0.0041**	**J**	0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:30	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:30	1
Vanadium	**0.0034**	**J**	0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:30	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:30	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:37	04/28/22 17:43	1

Client Sample ID: LEACHATE SUMP 4

Lab Sample ID: 630-31774-2
Date Collected: 04/21/22 11:50
Matrix: Leachate
Date Received: 04/21/22 17:00

Method: 200.7 - Dissolved Metals - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:37	04/27/22 19:00	1
Barium	**0.076**		0.0052	0.0010	mg/L		04/26/22 15:37	04/27/22 19:00	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/26/22 15:37	04/27/22 19:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**140**		20	10	mg/L			04/26/22 14:37	200
Nitrate as N	**0.21**		0.10	0.040	mg/L			04/22/22 16:23	1
Specific Conductance	**2800**		5.0	1.7	umhos/cm			04/25/22 17:14	1
Total Dissolved Solids	**1100**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**140**		10	5.0	mg/L			04/25/22 14:26	100
Nitrate, Dissolved	**0.18**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**8.70**		0.0100	0.0100	ft			04/21/22 11:50	1

Client Sample ID: LEACHATE SUMP 5

Lab Sample ID: 630-31774-3
Date Collected: 04/21/22 11:20
Matrix: Leachate
Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 12:17	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 12:17	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 12:17	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 12:17*	*20*
4-Bromofluorobenzene (Surr)	*93*		*60 - 140*		*04/24/22 12:17*	*20*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*04/24/22 12:17*	*20*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 12:17*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		50	20	ug/L			05/04/22 04:22	50
Styrene	ND		250	15	ug/L			05/04/22 04:22	50
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 04:22	50
trans-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 04:22	50
1,2-Dichloroethane	ND		50	15	ug/L			05/04/22 04:22	50
Acrylonitrile	ND		1000	15	ug/L			05/04/22 04:22	50
Vinyl acetate	ND		500	100	ug/L			05/04/22 04:22	50
4-Methyl-2-pentanone	ND		500	25	ug/L			05/04/22 04:22	50
Toluene	ND		50	10	ug/L			05/04/22 04:22	50
Chlorobenzene	**15**	**J**	50	15	ug/L			05/04/22 04:22	50
trans-1,4-Dichloro-2-butene	ND		2500	300	ug/L			05/04/22 04:22	50
Chlorodibromomethane	ND		50	10	ug/L			05/04/22 04:22	50

Client Sample ID: LEACHATE SUMP 5
Lab Sample ID: 630-31774-3
Date Collected: 04/21/22 11:20
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	ND		50	15	ug/L			05/04/22 04:22	50
Xylenes, Total	ND		50	20	ug/L			05/04/22 04:22	50
cis-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 04:22	50
trans-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 04:22	50
Carbon tetrachloride	ND		50	15	ug/L			05/04/22 04:22	50
2-Hexanone	ND		500	20	ug/L			05/04/22 04:22	50
1,1,1,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 04:22	50
Acetone	ND		1000	35	ug/L			05/04/22 04:22	50
Chloroform	ND		50	15	ug/L			05/04/22 04:22	50
Benzene	ND		50	15	ug/L			05/04/22 04:22	50
1,1,1-Trichloroethane	ND		50	15	ug/L			05/04/22 04:22	50
Methyl bromide	ND		50	15	ug/L			05/04/22 04:22	50
Methyl chloride	ND		50	10	ug/L			05/04/22 04:22	50
Methyl iodide	ND		50	15	ug/L			05/04/22 04:22	50
Methylene bromide	ND		50	15	ug/L			05/04/22 04:22	50
Chloroethane	ND		50	10	ug/L			05/04/22 04:22	50
Vinyl chloride	ND		50	10	ug/L			05/04/22 04:22	50
Methylene Chloride	ND		50	15	ug/L			05/04/22 04:22	50
Carbon disulfide	ND		250	15	ug/L			05/04/22 04:22	50
Bromoform	ND		200	50	ug/L			05/04/22 04:22	50
Bromodichloromethane	ND		50	10	ug/L			05/04/22 04:22	50
1,1-Dichloroethane	ND		50	15	ug/L			05/04/22 04:22	50
1,1-Dichloroethylene	ND		50	15	ug/L			05/04/22 04:22	50
Trichlorofluoromethane	ND		50	10	ug/L			05/04/22 04:22	50
1,2-Dichloropropane	ND		50	15	ug/L			05/04/22 04:22	50
Methyl Ethyl Ketone	ND		500	25	ug/L			05/04/22 04:22	50
1,1,2-Trichloroethane	ND		50	15	ug/L			05/04/22 04:22	50
Trichloroethylene	ND		50	15	ug/L			05/04/22 04:22	50
1,1,2,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 04:22	50
o-Dichlorobenzene	ND		250	10	ug/L			05/04/22 04:22	50
1,4-Dichlorobenzene	ND		250	15	ug/L			05/04/22 04:22	50
Bromochloromethane	ND		250	10	ug/L			05/04/22 04:22	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 04:22*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/04/22 04:22*	*50*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 04:22*	*50*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/04/22 04:22*	*50*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 04:22*	*50*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^5+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 23:58	1
Arsenic	**0.038**	**J**	0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:58	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:58	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:58	1
Barium	**0.18**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:58	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:58	1

Client Sample ID: LEACHATE SUMP 5

Lab Sample ID: 630-31774-3

Date Collected: 04/21/22 11:20

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:58	1
Chromium	**0.045**		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 23:58	1
Cobalt	**0.021**		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 23:58	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 23:58	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 23:58	1
Nickel	**0.090**		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 23:58	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 23:58	1
Vanadium	**0.056**		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 23:58	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 23:58	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:54	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:54	1
Barium	**0.098**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 02:54	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 02:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**680**		20	10	mg/L			04/26/22 14:43	200
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:23	1
Specific Conductance	**12000**		5.0	1.7	umhos/cm			04/25/22 17:10	1
Total Dissolved Solids	**5400**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**660**		20	10	mg/L			04/25/22 14:28	200
Nitrate, Dissolved	ND		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**0.300**		0.0100	0.0100	ft			04/21/22 11:20	1

Client Sample ID: LEACHATE SUMP 6

Lab Sample ID: 630-31774-4

Date Collected: 04/21/22 11:30

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 12:40	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 12:40	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 12:40	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*04/24/22 12:40*	*20*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*04/24/22 12:40*	*20*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*04/24/22 12:40*	*20*
Toluene-d8 (Surr)	*98*		*60 - 140*		*04/24/22 12:40*	*20*

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 6
Date Collected: 04/21/22 11:30
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-4
Matrix: Leachate

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	8.0	ug/L			05/04/22 04:44	20
Styrene	ND		100	6.0	ug/L			05/04/22 04:44	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 04:44	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 04:44	20
1,2-Dichloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
Acrylonitrile	ND		400	6.0	ug/L			05/04/22 04:44	20
Vinyl acetate	ND		200	40	ug/L			05/04/22 04:44	20
4-Methyl-2-pentanone	ND		200	10	ug/L			05/04/22 04:44	20
Toluene	ND		20	4.0	ug/L			05/04/22 04:44	20
Chlorobenzene	ND		20	6.0	ug/L			05/04/22 04:44	20
trans-1,4-Dichloro-2-butene	ND		1000	120	ug/L			05/04/22 04:44	20
Chlorodibromomethane	ND		20	4.0	ug/L			05/04/22 04:44	20
Tetrachloroethylene	ND		20	6.0	ug/L			05/04/22 04:44	20
Xylenes, Total	ND		20	8.0	ug/L			05/04/22 04:44	20
cis-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 04:44	20
trans-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 04:44	20
Carbon tetrachloride	ND		20	6.0	ug/L			05/04/22 04:44	20
2-Hexanone	ND		200	8.0	ug/L			05/04/22 04:44	20
1,1,1,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
Acetone	ND		400	14	ug/L			05/04/22 04:44	20
Chloroform	ND		20	6.0	ug/L			05/04/22 04:44	20
Benzene	ND		20	6.0	ug/L			05/04/22 04:44	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
Methyl bromide	ND		20	6.0	ug/L			05/04/22 04:44	20
Methyl chloride	ND		20	4.0	ug/L			05/04/22 04:44	20
Methyl iodide	ND		20	6.0	ug/L			05/04/22 04:44	20
Methylene bromide	ND		20	6.0	ug/L			05/04/22 04:44	20
Chloroethane	ND		20	4.0	ug/L			05/04/22 04:44	20
Vinyl chloride	ND		20	4.0	ug/L			05/04/22 04:44	20
Methylene Chloride	ND		20	6.0	ug/L			05/04/22 04:44	20
Carbon disulfide	ND		100	6.0	ug/L			05/04/22 04:44	20
Bromoform	ND		80	20	ug/L			05/04/22 04:44	20
Bromodichloromethane	ND		20	4.0	ug/L			05/04/22 04:44	20
1,1-Dichloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
1,1-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 04:44	20
Trichlorofluoromethane	ND		20	4.0	ug/L			05/04/22 04:44	20
1,2-Dichloropropane	ND		20	6.0	ug/L			05/04/22 04:44	20
Methyl Ethyl Ketone	ND		200	10	ug/L			05/04/22 04:44	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
Trichloroethylene	ND		20	6.0	ug/L			05/04/22 04:44	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 04:44	20
o-Dichlorobenzene	ND		100	4.0	ug/L			05/04/22 04:44	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			05/04/22 04:44	20
Bromochloromethane	ND		100	4.0	ug/L			05/04/22 04:44	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 04:44*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/04/22 04:44*	*20*

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 6

Date Collected: 04/21/22 11:30
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-4

Matrix: Leachate

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 04:44*	*20*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/04/22 04:44*	*20*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 04:44*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/27/22 06:33	04/29/22 01:16	1
Arsenic	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 01:16	1
Selenium	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 01:16	1
Antimony	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 01:16	1
Barium	**0.096**		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 01:16	1
Beryllium	ND		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 01:16	1
Cadmium	ND		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 01:16	1
Chromium	**0.014**	**J**	0.015	0.0030	mg/L		04/27/22 06:33	04/29/22 01:16	1
Cobalt	**0.0078**		0.0050	0.0015	mg/L		04/27/22 06:33	04/29/22 01:16	1
Copper	ND		0.020	0.0080	mg/L		04/27/22 06:33	04/29/22 01:16	1
Lead	ND		0.015	0.0071	mg/L		04/27/22 06:33	04/29/22 01:16	1
Nickel	**0.029**		0.010	0.0021	mg/L		04/27/22 06:33	04/29/22 01:16	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/27/22 06:33	04/29/22 01:16	1
Vanadium	**0.014**		0.010	0.0019	mg/L		04/27/22 06:33	04/29/22 01:16	1
Zinc	**0.10**		0.020	0.0037	mg/L		04/27/22 06:33	04/29/22 01:16	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:29	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:29	1
Barium	**0.066**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 03:29	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 03:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**380**		20	10	mg/L			04/26/22 14:45	200
Nitrate as N	**3.3**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**4800**		5.0	1.7	umhos/cm			04/25/22 17:13	1
Total Dissolved Solids	**2100**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**260**		10	5.0	mg/L			04/25/22 14:30	100
Nitrate, Dissolved	**5.1**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**3.70**		0.0100	0.0100	ft			04/21/22 11:30	1

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 7

Lab Sample ID: 630-31774-5

Date Collected: 04/21/22 11:00

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 13:03	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 13:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*		*04/24/22 13:03*	*1*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 13:03*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*04/24/22 13:03*	*1*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 13:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 05:06	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 05:06	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 05:06	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 05:06	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 05:06	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 05:06	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 05:06	1
Toluene	ND		1.0	0.20	ug/L			05/04/22 05:06	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 05:06	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 05:06	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 05:06	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 05:06	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 05:06	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Acetone	**5.9**	**J**	20	0.70	ug/L			05/04/22 05:06	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 05:06	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 05:06	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 05:06	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 05:06	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 05:06	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 05:06	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 05:06	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 05:06	1

Client Sample ID: LEACHATE SUMP 7
Lab Sample ID: 630-31774-5
Date Collected: 04/21/22 11:00
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 05:06	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 05:06	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 05:06	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 05:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 05:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/04/22 05:06*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 05:06*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 05:06*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 05:06*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 03:37	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:37	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:37	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:37	1
Barium	**0.064**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:37	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:37	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:37	1
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 03:37	1
Cobalt	**0.012**		0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 03:37	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 03:37	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 03:37	1
Nickel	**0.025**		0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 03:37	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 03:37	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 03:37	1
Zinc	**0.019**	**J**	0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 03:37	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:50	1
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:50	1
Barium	**0.066**		0.0052	0.0010	mg/L		04/26/22 15:47	04/29/22 01:50	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/26/22 15:47	04/29/22 01:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**8.9**		2.0	1.0	mg/L			04/26/22 14:47	20
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**890**		5.0	1.7	umhos/cm			04/25/22 17:20	1
Total Dissolved Solids	**600**		60	24	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**9.3**		0.50	0.25	mg/L			04/25/22 14:32	5

Client Sample ID: LEACHATE SUMP 7

Lab Sample ID: 630-31774-5

Date Collected: 04/21/22 11:00

Matrix: Leachate

Date Received: 04/21/22 17:00

General Chemistry - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate, Dissolved	ND		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**27.4**		0.0100	0.0100	ft			04/21/22 11:00	1

Client Sample ID: LEACHATE SUMP 8

Lab Sample ID: 630-31774-6

Date Collected: 04/21/22 11:10

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 13:26	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 13:26	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 13:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*04/24/22 13:26*	*20*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 13:26*	*20*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*04/24/22 13:26*	*20*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 13:26*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		50	20	ug/L			05/04/22 05:28	50
Styrene	ND		250	15	ug/L			05/04/22 05:28	50
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 05:28	50
trans-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 05:28	50
1,2-Dichloroethane	ND		50	15	ug/L			05/04/22 05:28	50
Acrylonitrile	ND		1000	15	ug/L			05/04/22 05:28	50
Vinyl acetate	ND		500	100	ug/L			05/04/22 05:28	50
4-Methyl-2-pentanone	ND		500	25	ug/L			05/04/22 05:28	50
Toluene	ND		50	10	ug/L			05/04/22 05:28	50
Chlorobenzene	**17**	**J**	50	15	ug/L			05/04/22 05:28	50
trans-1,4-Dichloro-2-butene	ND		2500	300	ug/L			05/04/22 05:28	50
Chlorodibromomethane	ND		50	10	ug/L			05/04/22 05:28	50
Tetrachloroethylene	ND		50	15	ug/L			05/04/22 05:28	50
Xylenes, Total	ND		50	20	ug/L			05/04/22 05:28	50
cis-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 05:28	50
trans-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 05:28	50
Carbon tetrachloride	ND		50	15	ug/L			05/04/22 05:28	50
2-Hexanone	ND		500	20	ug/L			05/04/22 05:28	50
1,1,1,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 05:28	50
Acetone	ND		1000	35	ug/L			05/04/22 05:28	50
Chloroform	ND		50	15	ug/L			05/04/22 05:28	50
Benzene	ND		50	15	ug/L			05/04/22 05:28	50
1,1,1-Trichloroethane	ND		50	15	ug/L			05/04/22 05:28	50
Methyl bromide	ND		50	15	ug/L			05/04/22 05:28	50
Methyl chloride	ND		50	10	ug/L			05/04/22 05:28	50
Methyl iodide	ND		50	15	ug/L			05/04/22 05:28	50

Client Sample ID: LEACHATE SUMP 8
Lab Sample ID: 630-31774-6
Date Collected: 04/21/22 11:10
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene bromide	ND		50	15	ug/L			05/04/22 05:28	50
Chloroethane	ND		50	10	ug/L			05/04/22 05:28	50
Vinyl chloride	ND		50	10	ug/L			05/04/22 05:28	50
Methylene Chloride	ND		50	15	ug/L			05/04/22 05:28	50
Carbon disulfide	ND		250	15	ug/L			05/04/22 05:28	50
Bromoform	ND		200	50	ug/L			05/04/22 05:28	50
Bromodichloromethane	ND		50	10	ug/L			05/04/22 05:28	50
1,1-Dichloroethane	ND		50	15	ug/L			05/04/22 05:28	50
1,1-Dichloroethylene	ND		50	15	ug/L			05/04/22 05:28	50
Trichlorofluoromethane	ND		50	10	ug/L			05/04/22 05:28	50
1,2-Dichloropropane	ND		50	15	ug/L			05/04/22 05:28	50
Methyl Ethyl Ketone	ND		500	25	ug/L			05/04/22 05:28	50
1,1,2-Trichloroethane	ND		50	15	ug/L			05/04/22 05:28	50
Trichloroethylene	ND		50	15	ug/L			05/04/22 05:28	50
1,1,2,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 05:28	50
o-Dichlorobenzene	ND		250	10	ug/L			05/04/22 05:28	50
1,4-Dichlorobenzene	ND		250	15	ug/L			05/04/22 05:28	50
Bromochloromethane	ND		250	10	ug/L			05/04/22 05:28	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 05:28*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/04/22 05:28*	*50*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/04/22 05:28*	*50*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 05:28*	*50*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 05:28*	*50*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+ *+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:14	1
Arsenic	**0.11**		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:14	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:14	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:14	1
Barium	**0.32**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:14	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:14	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:14	1
Chromium	**0.083**		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:14	1
Cobalt	**0.018**		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:14	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:14	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:14	1
Nickel	**0.074**		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:14	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:14	1
Vanadium	**0.044**		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:14	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:14	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:34	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:34	1

Client Sample ID: LEACHATE SUMP 8

Lab Sample ID: 630-31774-6

Date Collected: 04/21/22 11:10

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 - Dissolved Metals - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.24**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 02:34	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 02:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**620**		20	10	mg/L			04/26/22 14:49	200
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**11000**		5.0	1.7	umhos/cm			04/25/22 17:08	1
Total Dissolved Solids	**4900**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**290**		10	5.0	mg/L			04/25/22 14:34	100
Nitrate, Dissolved	**1.4**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**29.3**		0.0100	0.0100	ft			04/21/22 11:10	1

Client Sample ID: LEACHATE SUMP 9

Lab Sample ID: 630-31774-7

Date Collected: 04/21/22 14:10

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 13:50	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 13:50	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 13:50*	*1*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 13:50*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*04/24/22 13:50*	*1*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 13:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 05:51	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 05:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 05:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 05:51	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 05:51	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 05:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 05:51	1
Toluene	ND		1.0	0.20	ug/L			05/04/22 05:51	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 05:51	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 05:51	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:51	1

Client Sample ID: LEACHATE SUMP 9

Lab Sample ID: 630-31774-7

Date Collected: 04/21/22 14:10

Matrix: Leachate

Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 05:51	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 05:51	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 05:51	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Acetone	**2.2**	**J**	20	0.70	ug/L			05/04/22 05:51	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 05:51	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 05:51	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 05:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 05:51	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 05:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 05:51	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 05:51	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 05:51	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 05:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 05:51	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 05:51	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 05:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 05:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 05:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/04/22 05:51*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/04/22 05:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 05:51*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 05:51*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:23	04/26/22 02:03	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:23	04/26/22 02:03	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:23	04/26/22 02:03	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:23	04/26/22 02:03	1
Barium	**0.025**		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 02:03	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 02:03	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 02:03	1

Client Sample ID: LEACHATE SUMP 9

Lab Sample ID: 630-31774-7

Date Collected: 04/21/22 14:10

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:23	04/26/22 02:03	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:23	04/26/22 02:03	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:23	04/26/22 02:03	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:23	04/26/22 02:03	1
Nickel	**0.0022**	**J**	0.010	0.0021	mg/L		04/23/22 12:23	04/26/22 02:03	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:23	04/26/22 02:03	1
Vanadium	**0.0061**	**J**	0.010	0.0019	mg/L		04/23/22 12:23	04/26/22 02:03	1
Zinc	**0.067**		0.020	0.0037	mg/L		04/23/22 12:23	04/26/22 02:03	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:57	1
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:57	1
Barium	**0.030**		0.0052	0.0010	mg/L		04/26/22 15:47	04/29/22 01:57	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/26/22 15:47	04/29/22 01:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**0.062**	**J**	0.10	0.050	mg/L			04/26/22 14:51	1
Nitrate as N	**3.4**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**310**		5.0	1.7	umhos/cm			04/25/22 17:24	1
Total Dissolved Solids	**190**		30	12	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND	F1	0.10	0.050	mg/L			04/25/22 14:36	1
Nitrate, Dissolved	**3.8**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**9.40**		0.0100	0.0100	ft			04/21/22 14:10	1

Client Sample ID: LEACHATE SUMP 10

Lab Sample ID: 630-31774-8

Date Collected: 04/21/22 14:30

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 14:13	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 14:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*04/24/22 14:13*	*1*
4-Bromofluorobenzene (Surr)	*93*		*60 - 140*		*04/24/22 14:13*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*04/24/22 14:13*	*1*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 14:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 06:13	1

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 10
Date Collected: 04/21/22 14:30
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-8
Matrix: Leachate

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.30	ug/L			05/04/22 06:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 06:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 06:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 06:13	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 06:13	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 06:13	1
Toluene	ND		1.0	0.20	ug/L			05/04/22 06:13	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 06:13	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 06:13	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 06:13	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 06:13	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 06:13	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Acetone	ND		20	0.70	ug/L			05/04/22 06:13	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 06:13	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 06:13	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 06:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 06:13	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 06:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 06:13	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 06:13	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 06:13	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 06:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 06:13	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 06:13	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 06:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 06:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 06:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/04/22 06:13*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/04/22 06:13*	*1*

Client Sample ID: LEACHATE SUMP 10

Lab Sample ID: 630-31774-8

Date Collected: 04/21/22 14:30

Matrix: Leachate

Date Received: 04/21/22 17:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 06:13*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 06:13*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 03:57	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:57	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:57	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:57	1
Barium	**0.071**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:57	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:57	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:57	1
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 03:57	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 03:57	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 03:57	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 03:57	1
Nickel	**0.0021**	**J**	0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 03:57	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 03:57	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 03:57	1
Zinc	**0.035**		0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 03:57	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:53	1
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:53	1
Barium	**0.065**		0.0052	0.0010	mg/L		04/26/22 15:47	04/29/22 01:53	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/26/22 15:47	04/29/22 01:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**0.10**		0.10	0.050	mg/L			04/26/22 14:58	1
Nitrate as N	**6.7**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**220**		5.0	1.7	umhos/cm			04/25/22 17:21	1
Total Dissolved Solids	**150**		30	12	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/25/22 14:43	1
Nitrate, Dissolved	**7.6**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**24.1**		0.0100	0.0100	ft			04/21/22 14:30	1

Client Sample ID: LEACHATE SUMP 11
Lab Sample ID: 630-31774-9
Date Collected: 04/21/22 12:15
Matrix: Leachate
Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 14:36	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 14:36	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 14:36	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*04/24/22 14:36*	*20*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 14:36*	*20*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*04/24/22 14:36*	*20*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 14:36*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		50	20	ug/L			05/04/22 06:35	50
Styrene	ND		250	15	ug/L			05/04/22 06:35	50
cis-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 06:35	50
trans-1,3-Dichloropropene	ND		50	10	ug/L			05/04/22 06:35	50
1,2-Dichloroethane	ND		50	15	ug/L			05/04/22 06:35	50
Acrylonitrile	ND		1000	15	ug/L			05/04/22 06:35	50
Vinyl acetate	ND		500	100	ug/L			05/04/22 06:35	50
4-Methyl-2-pentanone	ND		500	25	ug/L			05/04/22 06:35	50
Toluene	ND		50	10	ug/L			05/04/22 06:35	50
Chlorobenzene	ND		50	15	ug/L			05/04/22 06:35	50
trans-1,4-Dichloro-2-butene	ND		2500	300	ug/L			05/04/22 06:35	50
Chlorodibromomethane	ND		50	10	ug/L			05/04/22 06:35	50
Tetrachloroethylene	ND		50	15	ug/L			05/04/22 06:35	50
Xylenes, Total	ND		50	20	ug/L			05/04/22 06:35	50
cis-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 06:35	50
trans-1,2-Dichloroethylene	ND		50	15	ug/L			05/04/22 06:35	50
Carbon tetrachloride	ND		50	15	ug/L			05/04/22 06:35	50
2-Hexanone	ND		500	20	ug/L			05/04/22 06:35	50
1,1,1,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 06:35	50
Acetone	ND		1000	35	ug/L			05/04/22 06:35	50
Chloroform	ND		50	15	ug/L			05/04/22 06:35	50
Benzene	ND		50	15	ug/L			05/04/22 06:35	50
1,1,1-Trichloroethane	ND		50	15	ug/L			05/04/22 06:35	50
Methyl bromide	ND		50	15	ug/L			05/04/22 06:35	50
Methyl chloride	ND		50	10	ug/L			05/04/22 06:35	50
Methyl iodide	ND		50	15	ug/L			05/04/22 06:35	50
Methylene bromide	ND		50	15	ug/L			05/04/22 06:35	50
Chloroethane	ND		50	10	ug/L			05/04/22 06:35	50
Vinyl chloride	ND		50	10	ug/L			05/04/22 06:35	50
Methylene Chloride	ND		50	15	ug/L			05/04/22 06:35	50
Carbon disulfide	ND		250	15	ug/L			05/04/22 06:35	50
Bromoform	ND		200	50	ug/L			05/04/22 06:35	50
Bromodichloromethane	ND		50	10	ug/L			05/04/22 06:35	50
1,1-Dichloroethane	ND		50	15	ug/L			05/04/22 06:35	50
1,1-Dichloroethylene	ND		50	15	ug/L			05/04/22 06:35	50
Trichlorofluoromethane	ND		50	10	ug/L			05/04/22 06:35	50
1,2-Dichloropropane	ND		50	15	ug/L			05/04/22 06:35	50
Methyl Ethyl Ketone	ND		500	25	ug/L			05/04/22 06:35	50

Client Sample ID: LEACHATE SUMP 11
Lab Sample ID: 630-31774-9
Date Collected: 04/21/22 12:15
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		50	15	ug/L			05/04/22 06:35	50
Trichloroethylene	ND		50	15	ug/L			05/04/22 06:35	50
1,1,2,2-Tetrachloroethane	ND		50	15	ug/L			05/04/22 06:35	50
o-Dichlorobenzene	ND		250	10	ug/L			05/04/22 06:35	50
1,4-Dichlorobenzene	ND		250	15	ug/L			05/04/22 06:35	50
Bromochloromethane	ND		250	10	ug/L			05/04/22 06:35	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 06:35*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/04/22 06:35*	*50*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/04/22 06:35*	*50*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 06:35*	*50*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 06:35*	*50*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+ *+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:46	1
Arsenic	**0.10**		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:46	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:46	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:46	1
Barium	**0.15**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:46	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:46	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:46	1
Chromium	**0.14**		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:46	1
Cobalt	**0.036**		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:46	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:46	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:46	1
Nickel	**0.19**		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:46	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:46	1
Vanadium	**0.099**		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:46	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:46	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.10**		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:03	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:03	1
Barium	**0.14**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 03:03	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 03:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**1100**		20	10	mg/L			04/26/22 15:04	200
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**18000**		5.0	1.7	umhos/cm			04/25/22 17:05	1
Total Dissolved Solids	**7400**		1200	480	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**770**		20	10	mg/L			04/25/22 14:45	200

Client Sample ID: LEACHATE SUMP 11

Lab Sample ID: 630-31774-9

Date Collected: 04/21/22 12:15

Matrix: Leachate

Date Received: 04/21/22 17:00

General Chemistry - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate, Dissolved	0.16		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	14.6		0.0100	0.0100	ft			04/21/22 12:15	1

Client Sample ID: LEACHATE SUMP 12

Lab Sample ID: 630-31774-10

Date Collected: 04/21/22 12:30

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 15:00	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 15:00	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 15:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 15:00*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*04/24/22 15:00*	*1*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 15:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	8.0	ug/L			05/04/22 06:57	20
Styrene	ND		100	6.0	ug/L			05/04/22 06:57	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 06:57	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 06:57	20
1,2-Dichloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
Acrylonitrile	ND		400	6.0	ug/L			05/04/22 06:57	20
Vinyl acetate	ND		200	40	ug/L			05/04/22 06:57	20
4-Methyl-2-pentanone	ND		200	10	ug/L			05/04/22 06:57	20
Toluene	ND		20	4.0	ug/L			05/04/22 06:57	20
Chlorobenzene	ND		20	6.0	ug/L			05/04/22 06:57	20
trans-1,4-Dichloro-2-butene	ND		1000	120	ug/L			05/04/22 06:57	20
Chlorodibromomethane	ND		20	4.0	ug/L			05/04/22 06:57	20
Tetrachloroethylene	ND		20	6.0	ug/L			05/04/22 06:57	20
Xylenes, Total	ND		20	8.0	ug/L			05/04/22 06:57	20
cis-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 06:57	20
trans-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 06:57	20
Carbon tetrachloride	ND		20	6.0	ug/L			05/04/22 06:57	20
2-Hexanone	ND		200	8.0	ug/L			05/04/22 06:57	20
1,1,1,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
Acetone	ND		400	14	ug/L			05/04/22 06:57	20
Chloroform	ND		20	6.0	ug/L			05/04/22 06:57	20
Benzene	ND		20	6.0	ug/L			05/04/22 06:57	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
Methyl bromide	ND		20	6.0	ug/L			05/04/22 06:57	20
Methyl chloride	ND		20	4.0	ug/L			05/04/22 06:57	20
Methyl iodide	ND		20	6.0	ug/L			05/04/22 06:57	20

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 12
Date Collected: 04/21/22 12:30
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-10
Matrix: Leachate

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene bromide	ND		20	6.0	ug/L			05/04/22 06:57	20
Chloroethane	ND		20	4.0	ug/L			05/04/22 06:57	20
Vinyl chloride	ND		20	4.0	ug/L			05/04/22 06:57	20
Methylene Chloride	ND		20	6.0	ug/L			05/04/22 06:57	20
Carbon disulfide	ND		100	6.0	ug/L			05/04/22 06:57	20
Bromoform	ND		80	20	ug/L			05/04/22 06:57	20
Bromodichloromethane	ND		20	4.0	ug/L			05/04/22 06:57	20
1,1-Dichloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
1,1-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 06:57	20
Trichlorofluoromethane	ND		20	4.0	ug/L			05/04/22 06:57	20
1,2-Dichloropropane	ND		20	6.0	ug/L			05/04/22 06:57	20
Methyl Ethyl Ketone	ND		200	10	ug/L			05/04/22 06:57	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
Trichloroethylene	ND		20	6.0	ug/L			05/04/22 06:57	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 06:57	20
o-Dichlorobenzene	ND		100	4.0	ug/L			05/04/22 06:57	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			05/04/22 06:57	20
Bromochloromethane	ND		100	4.0	ug/L			05/04/22 06:57	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 06:57*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*05/04/22 06:57*	*20*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 06:57*	*20*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 06:57*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 06:57*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 03:54	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:54	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:54	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:54	1
Barium	**0.046**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:54	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:54	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:54	1
Chromium	**0.0038**	**J**	0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 03:54	1
Cobalt	**0.0015**	**J**	0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 03:54	1
Copper	**0.011**	**J**	0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 03:54	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 03:54	1
Nickel	**0.0061**	**J**	0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 03:54	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 03:54	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 03:54	1
Zinc	**0.0079**	**J**	0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 03:54	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 08:33	04/28/22 10:53	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 08:33	04/28/22 10:53	1

Client Sample ID: LEACHATE SUMP 12

Lab Sample ID: 630-31774-10

Date Collected: 04/21/22 12:30

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 - Dissolved Metals - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.030		0.0052	0.0010	mg/L		04/25/22 08:33	04/28/22 10:53	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 08:33	04/28/22 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	9.4		0.50	0.25	mg/L			05/04/22 11:39	5
Nitrate as N	4.4		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	870		5.0	1.7	umhos/cm			04/25/22 17:26	1
Total Dissolved Solids	460		60	24	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	15		0.50	0.25	mg/L			04/25/22 14:51	5
Nitrate, Dissolved	4.7		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	15.0		0.0100	0.0100	ft			04/21/22 12:30	1

Client Sample ID: LEACHATE SUMP 13

Lab Sample ID: 630-31774-11

Date Collected: 04/21/22 12:50

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 15:23	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 15:23	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 15:23	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*		*04/24/22 15:23*	*20*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 15:23*	*20*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*04/24/22 15:23*	*20*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 15:23*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 07:19	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 07:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 07:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 07:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 07:19	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 07:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 07:19	1
Toluene	ND		1.0	0.20	ug/L			05/04/22 07:19	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 07:19	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 07:19	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 07:19	1

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 13
Date Collected: 04/21/22 12:50
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-11
Matrix: Leachate

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 07:19	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 07:19	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 07:19	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Acetone	**2.0**	**J**	20	0.70	ug/L			05/04/22 07:19	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 07:19	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 07:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 07:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 07:19	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 07:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 07:19	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 07:19	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 07:19	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 07:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 07:19	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 07:19	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 07:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 07:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 07:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/04/22 07:19*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/04/22 07:19*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 07:19*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 07:19*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 04:03	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:03	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:03	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:03	1
Barium	**0.048**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:03	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:03	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:03	1

Client Sample ID: LEACHATE SUMP 13

Lab Sample ID: 630-31774-11

Date Collected: 04/21/22 12:50

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	**0.0030**	**J**	0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 04:03	1
Cobalt	**0.0027**	**J**	0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 04:03	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 04:03	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 04:03	1
Nickel	**0.016**		0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 04:03	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 04:03	1
Vanadium	**0.0035**	**J**	0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 04:03	1
Zinc	**0.014**	**J**	0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 04:03	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:27	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:27	1
Barium	**0.044**		0.0052	0.0010	mg/L		04/25/22 09:34	04/27/22 15:27	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 09:34	04/27/22 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**2.9**		0.10	0.050	mg/L			04/27/22 12:53	1
Nitrate as N	**0.40**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**1600**		5.0	1.7	umhos/cm			04/25/22 17:11	1
Total Dissolved Solids	**1100**		120	48	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**3.0**		0.50	0.25	mg/L			04/25/22 14:53	5
Nitrate, Dissolved	**0.49**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**14.3**		0.0100	0.0100	ft			04/21/22 12:50	1

Client Sample ID: LEACHATE SUMP 14

Lab Sample ID: 630-31774-12

Date Collected: 04/21/22 13:10

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 15:46	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 15:46	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 15:46	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 15:46*	*20*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 15:46*	*20*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*04/24/22 15:46*	*20*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 15:46*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	8.0	ug/L			05/04/22 07:41	20

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 14
Date Collected: 04/21/22 13:10
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-12
Matrix: Leachate

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		100	6.0	ug/L			05/04/22 07:41	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 07:41	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 07:41	20
1,2-Dichloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
Acrylonitrile	ND		400	6.0	ug/L			05/04/22 07:41	20
Vinyl acetate	ND		200	40	ug/L			05/04/22 07:41	20
4-Methyl-2-pentanone	ND		200	10	ug/L			05/04/22 07:41	20
Toluene	ND		20	4.0	ug/L			05/04/22 07:41	20
Chlorobenzene	ND		20	6.0	ug/L			05/04/22 07:41	20
trans-1,4-Dichloro-2-butene	ND		1000	120	ug/L			05/04/22 07:41	20
Chlorodibromomethane	ND		20	4.0	ug/L			05/04/22 07:41	20
Tetrachloroethylene	ND		20	6.0	ug/L			05/04/22 07:41	20
Xylenes, Total	ND		20	8.0	ug/L			05/04/22 07:41	20
cis-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 07:41	20
trans-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 07:41	20
Carbon tetrachloride	ND		20	6.0	ug/L			05/04/22 07:41	20
2-Hexanone	ND		200	8.0	ug/L			05/04/22 07:41	20
1,1,1,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
Acetone	ND		400	14	ug/L			05/04/22 07:41	20
Chloroform	ND		20	6.0	ug/L			05/04/22 07:41	20
Benzene	ND		20	6.0	ug/L			05/04/22 07:41	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
Methyl bromide	ND		20	6.0	ug/L			05/04/22 07:41	20
Methyl chloride	ND		20	4.0	ug/L			05/04/22 07:41	20
Methyl iodide	ND		20	6.0	ug/L			05/04/22 07:41	20
Methylene bromide	ND		20	6.0	ug/L			05/04/22 07:41	20
Chloroethane	ND		20	4.0	ug/L			05/04/22 07:41	20
Vinyl chloride	ND		20	4.0	ug/L			05/04/22 07:41	20
Methylene Chloride	ND		20	6.0	ug/L			05/04/22 07:41	20
Carbon disulfide	ND		100	6.0	ug/L			05/04/22 07:41	20
Bromoform	ND		80	20	ug/L			05/04/22 07:41	20
Bromodichloromethane	ND		20	4.0	ug/L			05/04/22 07:41	20
1,1-Dichloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
1,1-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 07:41	20
Trichlorofluoromethane	ND		20	4.0	ug/L			05/04/22 07:41	20
1,2-Dichloropropane	ND		20	6.0	ug/L			05/04/22 07:41	20
Methyl Ethyl Ketone	ND		200	10	ug/L			05/04/22 07:41	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
Trichloroethylene	ND		20	6.0	ug/L			05/04/22 07:41	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 07:41	20
o-Dichlorobenzene	ND		100	4.0	ug/L			05/04/22 07:41	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			05/04/22 07:41	20
Bromochloromethane	ND		100	4.0	ug/L			05/04/22 07:41	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 07:41*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*05/04/22 07:41*	*20*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*05/04/22 07:41*	*20*

Client Sample ID: LEACHATE SUMP 14

Lab Sample ID: 630-31774-12

Date Collected: 04/21/22 13:10

Matrix: Leachate

Date Received: 04/21/22 17:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 07:41*	*20*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 07:41*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 04:00	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:00	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:00	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:00	1
Barium	**0.0093**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:00	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:00	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:00	1
Chromium	**0.0058**	**J**	0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 04:00	1
Cobalt	**0.0018**	**J**	0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 04:00	1
Copper	**0.082**		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 04:00	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 04:00	1
Nickel	**0.0087**	**J**	0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 04:00	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 04:00	1
Vanadium	**0.0026**	**J**	0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 04:00	1
Zinc	**0.013**	**J**	0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 04:00	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:18	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:18	1
Barium	**0.0082**		0.0052	0.0010	mg/L		04/25/22 09:34	04/27/22 15:18	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 09:34	04/27/22 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**0.14**		0.10	0.050	mg/L			04/27/22 12:59	1
Nitrate as N	**9.4**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**2100**		5.0	1.7	umhos/cm			04/25/22 17:27	1
Total Dissolved Solids	**1400**		240	96	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/25/22 14:55	1
Nitrate, Dissolved	**10**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**10.3**		0.0100	0.0100	ft			04/21/22 13:10	1

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: LEACHATE SUMP 15

Date Collected: 04/21/22 13:30
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-13

Matrix: Leachate

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		20	10	ug/L			04/24/22 16:09	20
1,2,3-Trichloropropane	ND		20	4.0	ug/L			04/24/22 16:09	20
1,2-Dibromoethane	ND		20	4.0	ug/L			04/24/22 16:09	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*		*04/24/22 16:09*	*20*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*04/24/22 16:09*	*20*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*04/24/22 16:09*	*20*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 16:09*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100	40	ug/L			05/04/22 08:03	100
Styrene	ND		500	30	ug/L			05/04/22 08:03	100
cis-1,3-Dichloropropene	ND		100	20	ug/L			05/04/22 08:03	100
trans-1,3-Dichloropropene	ND		100	20	ug/L			05/04/22 08:03	100
1,2-Dichloroethane	ND		100	30	ug/L			05/04/22 08:03	100
Acrylonitrile	ND		2000	30	ug/L			05/04/22 08:03	100
Vinyl acetate	ND		1000	200	ug/L			05/04/22 08:03	100
4-Methyl-2-pentanone	ND		1000	50	ug/L			05/04/22 08:03	100
Toluene	ND		100	20	ug/L			05/04/22 08:03	100
Chlorobenzene	ND		100	30	ug/L			05/04/22 08:03	100
trans-1,4-Dichloro-2-butene	ND		5000	600	ug/L			05/04/22 08:03	100
Chlorodibromomethane	ND		100	20	ug/L			05/04/22 08:03	100
Tetrachloroethylene	ND		100	30	ug/L			05/04/22 08:03	100
Xylenes, Total	ND		100	40	ug/L			05/04/22 08:03	100
cis-1,2-Dichloroethylene	ND		100	30	ug/L			05/04/22 08:03	100
trans-1,2-Dichloroethylene	ND		100	30	ug/L			05/04/22 08:03	100
Carbon tetrachloride	ND		100	30	ug/L			05/04/22 08:03	100
2-Hexanone	ND		1000	40	ug/L			05/04/22 08:03	100
1,1,1,2-Tetrachloroethane	ND		100	30	ug/L			05/04/22 08:03	100
Acetone	ND		2000	70	ug/L			05/04/22 08:03	100
Chloroform	ND		100	30	ug/L			05/04/22 08:03	100
Benzene	ND		100	30	ug/L			05/04/22 08:03	100
1,1,1-Trichloroethane	ND		100	30	ug/L			05/04/22 08:03	100
Methyl bromide	ND		100	30	ug/L			05/04/22 08:03	100
Methyl chloride	ND		100	20	ug/L			05/04/22 08:03	100
Methyl iodide	ND		100	30	ug/L			05/04/22 08:03	100
Methylene bromide	ND		100	30	ug/L			05/04/22 08:03	100
Chloroethane	ND		100	20	ug/L			05/04/22 08:03	100
Vinyl chloride	ND		100	20	ug/L			05/04/22 08:03	100
Methylene Chloride	ND		100	30	ug/L			05/04/22 08:03	100
Carbon disulfide	ND		500	30	ug/L			05/04/22 08:03	100
Bromoform	ND		400	100	ug/L			05/04/22 08:03	100
Bromodichloromethane	ND		100	20	ug/L			05/04/22 08:03	100
1,1-Dichloroethane	ND		100	30	ug/L			05/04/22 08:03	100
1,1-Dichloroethylene	ND		100	30	ug/L			05/04/22 08:03	100
Trichlorofluoromethane	ND		100	20	ug/L			05/04/22 08:03	100
1,2-Dichloropropane	ND		100	30	ug/L			05/04/22 08:03	100
Methyl Ethyl Ketone	ND		1000	50	ug/L			05/04/22 08:03	100

Client Sample ID: LEACHATE SUMP 15
Lab Sample ID: 630-31774-13
Date Collected: 04/21/22 13:30
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		100	30	ug/L			05/04/22 08:03	100
Trichloroethylene	ND		100	30	ug/L			05/04/22 08:03	100
1,1,2,2-Tetrachloroethane	ND		100	30	ug/L			05/04/22 08:03	100
o-Dichlorobenzene	ND		500	20	ug/L			05/04/22 08:03	100
1,4-Dichlorobenzene	ND		500	30	ug/L			05/04/22 08:03	100
Bromochloromethane	ND		500	20	ug/L			05/04/22 08:03	100

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 08:03*	*100*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*05/04/22 08:03*	*100*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*05/04/22 08:03*	*100*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 08:03*	*100*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 08:03*	*100*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+ *+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:53	1
Arsenic	**0.21**		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:53	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:53	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:53	1
Barium	**0.40**		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:53	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:53	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:53	1
Chromium	**0.67**		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:53	1
Cobalt	**0.029**		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:53	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:53	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:53	1
Nickel	**0.14**		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:53	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:53	1
Vanadium	**0.088**		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:53	1
Zinc	**0.017**	**J**	0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:53	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.20**		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:10	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 03:10	1
Barium	**0.39**		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 03:10	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 03:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**1000**		20	10	mg/L			04/27/22 13:01	200
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**15000**		5.0	1.7	umhos/cm			04/25/22 17:02	1
Total Dissolved Solids	**7100**		1200	480	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**960**		20	10	mg/L			04/25/22 14:57	200

Client Sample ID: LEACHATE SUMP 15

Lab Sample ID: 630-31774-13

Date Collected: 04/21/22 13:30

Matrix: Leachate

Date Received: 04/21/22 17:00

General Chemistry - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	**0.17**		0.10	0.040	mg/L			04/29/22 10:54	1
Nitrate, Dissolved	**0.17**		0.10	0.040	mg/L			04/25/22 03:25	1
Nitrite as N	ND		0.050	0.015	mg/L			04/23/22 11:59	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**9.20**		0.0100	0.0100	ft			04/21/22 13:30	1

Client Sample ID: LEACHATE SUMP 16

Lab Sample ID: 630-31774-14

Date Collected: 04/21/22 13:50

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 16:33	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 16:33	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 16:33*	*1*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 16:33*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*04/24/22 16:33*	*1*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 16:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		20	8.0	ug/L			05/04/22 08:25	20
Styrene	ND		100	6.0	ug/L			05/04/22 08:25	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 08:25	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			05/04/22 08:25	20
1,2-Dichloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
Acrylonitrile	ND		400	6.0	ug/L			05/04/22 08:25	20
Vinyl acetate	ND		200	40	ug/L			05/04/22 08:25	20
4-Methyl-2-pentanone	ND		200	10	ug/L			05/04/22 08:25	20
Toluene	ND		20	4.0	ug/L			05/04/22 08:25	20
Chlorobenzene	ND		20	6.0	ug/L			05/04/22 08:25	20
trans-1,4-Dichloro-2-butene	ND		1000	120	ug/L			05/04/22 08:25	20
Chlorodibromomethane	ND		20	4.0	ug/L			05/04/22 08:25	20
Tetrachloroethylene	ND		20	6.0	ug/L			05/04/22 08:25	20
Xylenes, Total	ND		20	8.0	ug/L			05/04/22 08:25	20
cis-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 08:25	20
trans-1,2-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 08:25	20
Carbon tetrachloride	ND		20	6.0	ug/L			05/04/22 08:25	20
2-Hexanone	ND		200	8.0	ug/L			05/04/22 08:25	20
1,1,1,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
Acetone	ND		400	14	ug/L			05/04/22 08:25	20
Chloroform	ND		20	6.0	ug/L			05/04/22 08:25	20
Benzene	ND		20	6.0	ug/L			05/04/22 08:25	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
Methyl bromide	ND		20	6.0	ug/L			05/04/22 08:25	20

Client Sample ID: LEACHATE SUMP 16
Lab Sample ID: 630-31774-14
Date Collected: 04/21/22 13:50
Matrix: Leachate
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl chloride	ND		20	4.0	ug/L			05/04/22 08:25	20
Methyl iodide	ND		20	6.0	ug/L			05/04/22 08:25	20
Methylene bromide	ND		20	6.0	ug/L			05/04/22 08:25	20
Chloroethane	ND		20	4.0	ug/L			05/04/22 08:25	20
Vinyl chloride	ND		20	4.0	ug/L			05/04/22 08:25	20
Methylene Chloride	ND		20	6.0	ug/L			05/04/22 08:25	20
Carbon disulfide	ND		100	6.0	ug/L			05/04/22 08:25	20
Bromoform	ND		80	20	ug/L			05/04/22 08:25	20
Bromodichloromethane	ND		20	4.0	ug/L			05/04/22 08:25	20
1,1-Dichloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
1,1-Dichloroethylene	ND		20	6.0	ug/L			05/04/22 08:25	20
Trichlorofluoromethane	ND		20	4.0	ug/L			05/04/22 08:25	20
1,2-Dichloropropane	ND		20	6.0	ug/L			05/04/22 08:25	20
Methyl Ethyl Ketone	ND		200	10	ug/L			05/04/22 08:25	20
1,1,2-Trichloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
Trichloroethylene	ND		20	6.0	ug/L			05/04/22 08:25	20
1,1,2,2-Tetrachloroethane	ND		20	6.0	ug/L			05/04/22 08:25	20
o-Dichlorobenzene	ND		100	4.0	ug/L			05/04/22 08:25	20
1,4-Dichlorobenzene	ND		100	6.0	ug/L			05/04/22 08:25	20
Bromochloromethane	ND		100	4.0	ug/L			05/04/22 08:25	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 08:25*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*05/04/22 08:25*	*20*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*05/04/22 08:25*	*20*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 08:25*	*20*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 08:25*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 03:50	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:50	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:50	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:50	1
Barium	**0.030**		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:50	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:50	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:50	1
Chromium	**0.0080**	**J**	0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 03:50	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 03:50	1
Copper	**0.0096**	**J**	0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 03:50	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 03:50	1
Nickel	**0.0096**	**J**	0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 03:50	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 03:50	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 03:50	1
Zinc	**0.31**		0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 03:50	1

Client Sample ID: LEACHATE SUMP 16

Lab Sample ID: 630-31774-14

Date Collected: 04/21/22 13:50

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:41	1
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:41	1
Barium	**0.031**		0.0052	0.0010	mg/L		04/26/22 15:47	04/29/22 01:41	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/26/22 15:47	04/29/22 01:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	**6.8**		0.20	0.10	mg/L			04/27/22 13:55	2
Nitrate as N	**1.7**		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	**850**		5.0	1.7	umhos/cm			04/25/22 17:23	1
Total Dissolved Solids	**510**		60	24	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	**10**		0.50	0.25	mg/L			04/27/22 13:05	5
Nitrate, Dissolved	**1.5**		0.10	0.040	mg/L			04/25/22 03:25	1

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**7.40**		0.0100	0.0100	ft			04/21/22 13:50	1

Client Sample ID: LEACHATE SUMP 17 - DRY

Lab Sample ID: 630-31774-15

Date Collected: 04/21/22 00:00

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**dry**		0.0100	0.0100	ft			04/21/22 00:00	1

Client Sample ID: LEACHATE SUMP 18 - DRY

Lab Sample ID: 630-31774-16

Date Collected: 04/21/22 00:00

Matrix: Leachate

Date Received: 04/21/22 17:00

Method: Field Parameter - Field Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Depth to Water from Top of Casing	**dry**		0.0100	0.0100	ft			04/21/22 00:00	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 630-31774-17

Date Collected: 04/21/22 08:00

Matrix: Water

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/24/22 08:49	1

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Client Sample ID: TRIP BLANK

Date Collected: 04/21/22 08:00
Date Received: 04/21/22 17:00

Lab Sample ID: 630-31774-17

Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Benzene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Bromoform	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Bromomethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Chlorobenzene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Chloroethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Chloroform	**0.41**	**J**	1.0	0.20	ug/L			04/24/22 08:49	1
Chloromethane	ND		1.0	0.30	ug/L			04/24/22 08:49	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Ethylbenzene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/24/22 08:49	1
Toluene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/24/22 08:49	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
trans-1,3-Dichloropropene	ND		1.0	0.10	ug/L			04/24/22 08:49	1
Trichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			04/24/22 08:49	1
Vinyl chloride	ND		1.0	0.30	ug/L			04/24/22 08:49	1
Xylenes, Total	ND		1.0	0.20	ug/L			04/24/22 08:49	1
Acrolein	ND		10	3.0	ug/L			04/24/22 08:49	1
Acrylonitrile	ND		1.0	0.30	ug/L			04/24/22 08:49	1
2-Chloroethyl vinyl ether	ND		1.0	0.50	ug/L			04/24/22 08:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 08:49	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 08:49	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 08:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 140*		*04/24/22 08:49*	*1*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 08:49*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*04/24/22 08:49*	*1*
Toluene-d8 (Surr)	*96*		*60 - 140*		*04/24/22 08:49*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 02:54	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 02:54	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 02:54	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 02:54	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Acrolein	ND		100	2.0	ug/L			05/04/22 02:54	1
Allyl chloride	ND		5.0	0.30	ug/L			05/04/22 02:54	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Propionitrile	ND		100	14	ug/L			05/04/22 02:54	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 02:54	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 02:54	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 02:54	1

Client Sample ID: TRIP BLANK
Lab Sample ID: 630-31774-17
Date Collected: 04/21/22 08:00
Matrix: Water
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 02:54	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 02:54	1
1,4-Dioxane	ND		250	29	ug/L			05/04/22 02:54	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Methacrylonitrile	ND		50	6.0	ug/L			05/04/22 02:54	1
2-Chloro-1,3-butadiene	ND		5.0	0.30	ug/L			05/04/22 02:54	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 02:54	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 02:54	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 02:54	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Acetone	**14**	**J**	20	0.70	ug/L			05/04/22 02:54	1
Chloroform	**0.36**	**J**	1.0	0.30	ug/L			05/04/22 02:54	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 02:54	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Bromomethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Chloromethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Dibromomethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Acetonitrile	ND		100	16	ug/L			05/04/22 02:54	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 02:54	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 02:54	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/04/22 02:54	1
Pentachloroethane	ND		5.0	0.20	ug/L			05/04/22 02:54	1
Isobutyl alcohol	ND		250	36	ug/L			05/04/22 02:54	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
2-Butanone	**23**		10	0.50	ug/L			05/04/22 02:54	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Trichloroethene	ND		1.0	0.30	ug/L			05/04/22 02:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 02:54	1
Methyl methacrylate	ND		5.0	0.30	ug/L			05/04/22 02:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/04/22 02:54	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/04/22 02:54	1
Ethyl methacrylate	ND		5.0	0.30	ug/L			05/04/22 02:54	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 02:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*15*	*T J N*	*ug/L*		*6.52*	*109-99-9*		*05/04/22 02:54*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 630-31774-17

Date Collected: 04/21/22 08:00

Matrix: Water

Date Received: 04/21/22 17:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/04/22 02:54*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/04/22 02:54*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*05/04/22 02:54*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 02:54*	*1*

Client Sample ID: FIELD BLANK

Lab Sample ID: 630-31774-18

Date Collected: 04/21/22 10:45

Matrix: Water

Date Received: 04/21/22 17:00

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 09:12	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 09:12	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 09:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 140*		*04/24/22 09:12*	*1*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 09:12*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*04/24/22 09:12*	*1*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 09:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 03:16	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 03:16	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 03:16	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 03:16	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 03:16	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 03:16	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 03:16	1
Toluene	ND		1.0	0.20	ug/L			05/04/22 03:16	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 03:16	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 03:16	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 03:16	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 03:16	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 03:16	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 03:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Acetone	**14**	**J**	20	0.70	ug/L			05/04/22 03:16	1
Chloroform	**0.35**	**J**	1.0	0.30	ug/L			05/04/22 03:16	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 03:16	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 03:16	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 03:16	1

Client Sample ID: FIELD BLANK
Lab Sample ID: 630-31774-18
Date Collected: 04/21/22 10:45
Matrix: Water
Date Received: 04/21/22 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 03:16	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 03:16	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 03:16	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 03:16	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 03:16	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 03:16	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Methyl Ethyl Ketone	**21**		10	0.50	ug/L			05/04/22 03:16	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 03:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 03:16	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 03:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*15*	*T J N*	*ug/L*		*6.52*	*109-99-9*		*05/04/22 03:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/04/22 03:16*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*05/04/22 03:16*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*05/04/22 03:16*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/04/22 03:16*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 04:07	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:07	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:07	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 04:07	1
Barium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:07	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:07	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 04:07	1
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 04:07	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 04:07	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 04:07	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 04:07	1
Nickel	ND		0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 04:07	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 04:07	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 04:07	1
Zinc	**0.019**	**J**	0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 04:07	1

Method: 200.7 - Dissolved Metals - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:30	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:30	1
Barium	ND		0.0052	0.0010	mg/L		04/25/22 09:34	04/27/22 15:30	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 09:34	04/27/22 15:30	1

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: FIELD BLANK
Lab Sample ID: 630-31774-18
Date Collected: 04/21/22 10:45
Matrix: Water
Date Received: 04/21/22 17:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			04/27/22 13:05	1
Nitrate as N	ND		0.10	0.040	mg/L			04/22/22 16:32	1
Specific Conductance	ND		5.0	1.7	umhos/cm			04/26/22 15:33	1
Total Dissolved Solids	ND		30	12	mg/L			04/22/22 17:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/25/22 15:01	1
Nitrate, Dissolved	ND		0.10	0.040	mg/L			04/25/22 03:25	1

Surrogate Summary

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Leachate **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-140)	(60-140)	(60-140)	(60-140)
630-31774-1	LEACHATE SUMP 3	109	92	111	96
630-31774-1 MS	LEACHATE SUMP 3	105	95	103	101
630-31774-1 MSD	LEACHATE SUMP 3	103	94	103	101
630-31774-2	LEACHATE SUMP 4	108	93	109	95
630-31774-3	LEACHATE SUMP 5	109	93	109	97
630-31774-4	LEACHATE SUMP 6	110	94	110	98
630-31774-5	LEACHATE SUMP 7	108	92	110	97
630-31774-6	LEACHATE SUMP 8	110	92	112	96
630-31774-7	LEACHATE SUMP 9	109	91	112	97
630-31774-8	LEACHATE SUMP 10	110	93	111	96
630-31774-9	LEACHATE SUMP 11	110	92	110	96
630-31774-10	LEACHATE SUMP 12	109	92	110	97
630-31774-11	LEACHATE SUMP 13	110	92	111	97
630-31774-12	LEACHATE SUMP 14	109	91	111	97
630-31774-13	LEACHATE SUMP 15	106	92	106	96
630-31774-14	LEACHATE SUMP 16	109	91	111	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-140)	(60-140)	(60-140)	(60-140)
630-31774-17	TRIP BLANK	108	91	110	96
630-31774-18	FIELD BLANK	111	91	109	97
LCS 410-247737/1003	Lab Control Sample	104	94	103	100
MB 410-247737/5	Method Blank	109	91	109	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Leachate **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
630-31774-1	LEACHATE SUMP 3	105	106	94	95
630-31774-2	LEACHATE SUMP 4	101	105	97	96
630-31774-3	LEACHATE SUMP 5	103	106	95	95
630-31774-4	LEACHATE SUMP 6	105	106	95	96
630-31774-5	LEACHATE SUMP 7	104	106	94	95

Surrogate Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

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

Matrix: Leachate **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
630-31774-6	LEACHATE SUMP 8	106	107	94	95
630-31774-7	LEACHATE SUMP 9	105	107	94	95
630-31774-8	LEACHATE SUMP 10	104	108	94	96
630-31774-9	LEACHATE SUMP 11	104	107	94	95
630-31774-10	LEACHATE SUMP 12	105	106	93	95
630-31774-11	LEACHATE SUMP 13	106	108	93	95
630-31774-12	LEACHATE SUMP 14	104	107	93	96
630-31774-13	LEACHATE SUMP 15	102	106	93	95
630-31774-14	LEACHATE SUMP 16	106	108	93	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
630-31774-17	TRIP BLANK	103	105	94	96
630-31774-18	FIELD BLANK	103	105	93	95
LCS 410-251217/5	Lab Control Sample	102	100	100	99
LCS 410-251217/7	Lab Control Sample	99	101	96	96
LCSD 410-251217/6	Lab Control Sample Dup	101	100	99	99
LCSD 410-251217/8	Lab Control Sample Dup	102	101	95	96
MB 410-251217/11	Method Blank	103	104	95	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-247737/5
Matrix: Water
Analysis Batch: 247737

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			04/24/22 08:26	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Benzene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Bromodichloromethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Bromoform	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Bromomethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Chlorobenzene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Chloroethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Chloroform	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Chloromethane	ND		1.0	0.30	ug/L			04/24/22 08:26	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Dibromochloromethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Ethylbenzene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Methylene Chloride	ND		1.0	0.30	ug/L			04/24/22 08:26	1
Toluene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Tetrachloroethene	ND		1.0	0.30	ug/L			04/24/22 08:26	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
trans-1,3-Dichloropropene	ND		1.0	0.10	ug/L			04/24/22 08:26	1
Trichloroethene	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			04/24/22 08:26	1
Vinyl chloride	ND		1.0	0.30	ug/L			04/24/22 08:26	1
Xylenes, Total	ND		1.0	0.20	ug/L			04/24/22 08:26	1
Acrolein	ND		10	3.0	ug/L			04/24/22 08:26	1
Acrylonitrile	ND		1.0	0.30	ug/L			04/24/22 08:26	1
2-Chloroethyl vinyl ether	ND		1.0	0.50	ug/L			04/24/22 08:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.50	ug/L			04/24/22 08:26	1
1,2,3-Trichloropropane	ND		1.0	0.20	ug/L			04/24/22 08:26	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			04/24/22 08:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*04/24/22 08:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*04/24/22 08:26*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*04/24/22 08:26*	*1*
Toluene-d8 (Surr)	*97*		*60 - 140*		*04/24/22 08:26*	*1*

Lab Sample ID: LCS 410-247737/1003
Matrix: Water
Analysis Batch: 247737

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane			20.0	19.5		ug/L		98	70 - 130		

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-247737/1003
Matrix: Water
Analysis Batch: 247737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	60 - 140
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	70 - 130
1,1-Dichloroethane	20.0	17.5		ug/L		88	70 - 130
1,1-Dichloroethene	20.0	17.7		ug/L		89	50 - 150
1,2-Dichloroethane	20.0	17.9		ug/L		90	70 - 130
1,2-Dichloropropane	20.0	21.4		ug/L		107	35 - 165
Benzene	20.0	20.8		ug/L		104	65 - 135
Bromodichloromethane	20.0	20.7		ug/L		103	65 - 135
Bromoform	20.0	23.6		ug/L		118	70 - 130
Bromomethane	20.0	15.7		ug/L		78	15 - 185
Carbon tetrachloride	20.0	20.2		ug/L		101	70 - 130
Chlorobenzene	20.0	19.9		ug/L		100	65 - 135
Chloroethane	20.0	16.9		ug/L		85	40 - 160
Chloroform	20.0	20.0		ug/L		100	70 - 135
Chloromethane	20.0	19.4		ug/L		97	10 - 200
cis-1,2-Dichloroethene	20.0	17.4		ug/L		87	60 - 140
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	25 - 175
Dibromochloromethane	20.0	21.4		ug/L		107	70 - 135
Ethylbenzene	20.0	19.8		ug/L		99	60 - 140
Methylene Chloride	20.0	15.8		ug/L		79	60 - 140
Toluene	20.0	19.7		ug/L		99	70 - 130
Tetrachloroethene	20.0	20.8		ug/L		104	70 - 130
trans-1,2-Dichloroethene	20.0	17.3		ug/L		86	70 - 130
trans-1,3-Dichloropropene	20.0	20.1		ug/L		101	50 - 150
Trichloroethene	20.0	20.7		ug/L		103	65 - 135
Trichlorofluoromethane	20.0	15.7		ug/L		79	50 - 150
Vinyl chloride	20.0	17.2		ug/L		86	10 - 195
Xylenes, Total	60.0	59.6		ug/L		99	60 - 140
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/L		92	60 - 140
1,2,3-Trichloropropane	20.0	18.9		ug/L		95	60 - 140
1,2-Dibromoethane	20.0	19.5		ug/L		97	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 140*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*
Dibromofluoromethane (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*100*		*60 - 140*

Lab Sample ID: 630-31774-1 MS
Matrix: Leachate
Analysis Batch: 247737

Client Sample ID: LEACHATE SUMP 3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		400	386		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	ND		400	347		ug/L		87	60 - 140
1,1,2-Trichloroethane	ND		400	374		ug/L		94	70 - 130
1,1-Dichloroethane	ND		400	339		ug/L		85	70 - 130
1,1-Dichloroethene	ND		400	360		ug/L		90	50 - 150

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 630-31774-1 MS
Matrix: Leachate
Analysis Batch: 247737

Client Sample ID: LEACHATE SUMP 3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	22		400	331		ug/L		77	70 - 130
1,2-Dichloropropane	ND		400	400		ug/L		100	35 - 165
Benzene	ND		400	405		ug/L		101	65 - 135
Bromodichloromethane	ND		400	390		ug/L		97	65 - 135
Bromoform	ND		400	423		ug/L		106	70 - 130
Bromomethane	ND		400	294		ug/L		73	15 - 185
Carbon tetrachloride	ND		400	412		ug/L		103	70 - 130
Chlorobenzene	15	J	400	392		ug/L		94	65 - 135
Chloroethane	ND		400	328		ug/L		82	40 - 160
Chloroform	ND		400	382		ug/L		96	70 - 135
Chloromethane	ND		400	398		ug/L		100	10 - 200
cis-1,2-Dichloroethene	ND		400	336		ug/L		84	60 - 140
cis-1,3-Dichloropropene	ND		400	358		ug/L		90	25 - 175
Dibromochloromethane	ND		400	385		ug/L		96	70 - 135
Ethylbenzene	ND		400	382		ug/L		95	60 - 140
Methylene Chloride	ND		400	299		ug/L		75	60 - 140
Toluene	ND		400	378		ug/L		94	70 - 130
Tetrachloroethene	ND		400	406		ug/L		101	70 - 130
trans-1,2-Dichloroethene	ND		400	342		ug/L		86	70 - 130
trans-1,3-Dichloropropene	ND		400	369		ug/L		92	50 - 150
Trichloroethene	ND		400	403		ug/L		101	65 - 135
Trichlorofluoromethane	ND		400	332		ug/L		83	50 - 150
Vinyl chloride	ND		400	354		ug/L		88	10 - 195
Xylenes, Total	ND		1200	1120		ug/L		93	60 - 140
1,2-Dibromo-3-Chloropropane	ND		400	330		ug/L		83	60 - 140
1,2,3-Trichloropropane	ND		400	343		ug/L		86	60 - 140
1,2-Dibromoethane	ND		400	357		ug/L		89	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*
Dibromofluoromethane (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*101*		*60 - 140*

Lab Sample ID: 630-31774-1 MSD
Matrix: Leachate
Analysis Batch: 247737

Client Sample ID: LEACHATE SUMP 3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		400	385		ug/L		96	70 - 130	0	30
1,1,2,2-Tetrachloroethane	ND		400	344		ug/L		86	60 - 140	1	30
1,1,2-Trichloroethane	ND		400	372		ug/L		93	70 - 130	1	30
1,1-Dichloroethane	ND		400	337		ug/L		84	70 - 130	1	30
1,1-Dichloroethene	ND		400	356		ug/L		89	50 - 150	1	30
1,2-Dichloroethane	22		400	329		ug/L		77	70 - 130	1	30
1,2-Dichloropropane	ND		400	402		ug/L		100	35 - 165	0	30
Benzene	ND		400	401		ug/L		100	65 - 135	1	30
Bromodichloromethane	ND		400	389		ug/L		97	65 - 135	0	30

Method: 624.1 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 630-31774-1 MSD
Matrix: Leachate
Analysis Batch: 247737

Client Sample ID: LEACHATE SUMP 3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	ND		400	417		ug/L		104	70 - 130	2	30
Bromomethane	ND		400	283		ug/L		71	15 - 185	4	30
Carbon tetrachloride	ND		400	414		ug/L		104	70 - 130	1	30
Chlorobenzene	15	J	400	390		ug/L		94	65 - 135	1	30
Chloroethane	ND		400	312		ug/L		78	40 - 160	5	30
Chloroform	ND		400	377		ug/L		94	70 - 135	1	30
Chloromethane	ND		400	379		ug/L		95	10 - 200	5	30
cis-1,2-Dichloroethene	ND		400	329		ug/L		82	60 - 140	2	30
cis-1,3-Dichloropropene	ND		400	366		ug/L		92	25 - 175	2	30
Dibromochloromethane	ND		400	383		ug/L		96	70 - 135	0	30
Ethylbenzene	ND		400	381		ug/L		95	60 - 140	0	30
Methylene Chloride	ND		400	297		ug/L		74	60 - 140	1	30
Toluene	ND		400	376		ug/L		94	70 - 130	0	30
Tetrachloroethene	ND		400	406		ug/L		102	70 - 130	0	30
trans-1,2-Dichloroethene	ND		400	340		ug/L		85	70 - 130	1	30
trans-1,3-Dichloropropene	ND		400	376		ug/L		94	50 - 150	2	30
Trichloroethene	ND		400	396		ug/L		99	65 - 135	2	30
Trichlorofluoromethane	ND		400	318		ug/L		80	50 - 150	4	30
Vinyl chloride	ND		400	340		ug/L		85	10 - 195	4	30
Xylenes, Total	ND		1200	1110		ug/L		93	60 - 140	1	30
1,2-Dibromo-3-Chloropropane	ND		400	327		ug/L		82	60 - 140	1	30
1,2,3-Trichloropropane	ND		400	339		ug/L		85	60 - 140	1	30
1,2-Dibromoethane	ND		400	356		ug/L		89	60 - 140	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*
Dibromofluoromethane (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*101*		*60 - 140*

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

Lab Sample ID: MB 410-251217/11
Matrix: Water
Analysis Batch: 251217

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			05/04/22 01:48	1
Styrene	ND		5.0	0.30	ug/L			05/04/22 01:48	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 01:48	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			05/04/22 01:48	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Acrolein	ND		100	2.0	ug/L			05/04/22 01:48	1
Allyl chloride	ND		5.0	0.30	ug/L			05/04/22 01:48	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Propionitrile	ND		100	14	ug/L			05/04/22 01:48	1
Acrylonitrile	ND		20	0.30	ug/L			05/04/22 01:48	1
Vinyl acetate	ND		10	2.0	ug/L			05/04/22 01:48	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			05/04/22 01:48	1

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

Lab Sample ID: MB 410-251217/11
Matrix: Water
Analysis Batch: 251217

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Chlorobenzene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			05/04/22 01:48	1
1,4-Dioxane	ND		250	29	ug/L			05/04/22 01:48	1
Chlorodibromomethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Dibromochloromethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Methacrylonitrile	ND		50	6.0	ug/L			05/04/22 01:48	1
2-Chloro-1,3-butadiene	ND		5.0	0.30	ug/L			05/04/22 01:48	1
Tetrachloroethene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Tetrachloroethylene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Xylenes, Total	ND		1.0	0.40	ug/L			05/04/22 01:48	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
cis-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
trans-1,2-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			05/04/22 01:48	1
2-Hexanone	ND		10	0.40	ug/L			05/04/22 01:48	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Acetone	ND		20	0.70	ug/L			05/04/22 01:48	1
Chloroform	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Benzene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Bromomethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Methyl bromide	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Chloromethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Methyl chloride	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Methyl iodide	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Dibromomethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Methylene bromide	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Chloroethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Vinyl chloride	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Acetonitrile	ND		100	16	ug/L			05/04/22 01:48	1
Methylene Chloride	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Carbon disulfide	ND		5.0	0.30	ug/L			05/04/22 01:48	1
Bromoform	ND		4.0	1.0	ug/L			05/04/22 01:48	1
Bromodichloromethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
1,1-Dichloroethylene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			05/04/22 01:48	1
Pentachloroethane	ND		5.0	0.20	ug/L			05/04/22 01:48	1
Isobutyl alcohol	ND		250	36	ug/L			05/04/22 01:48	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
2-Butanone	ND		10	0.50	ug/L			05/04/22 01:48	1
Methyl Ethyl Ketone	ND		10	0.50	ug/L			05/04/22 01:48	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Trichloroethene	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Trichloroethylene	ND		1.0	0.30	ug/L			05/04/22 01:48	1

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

Lab Sample ID: MB 410-251217/11
Matrix: Water
Analysis Batch: 251217

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			05/04/22 01:48	1
Methyl methacrylate	ND		5.0	0.30	ug/L			05/04/22 01:48	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			05/04/22 01:48	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			05/04/22 01:48	1
Ethyl methacrylate	ND		5.0	0.30	ug/L			05/04/22 01:48	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 01:48	1
o-Dichlorobenzene	ND		5.0	0.20	ug/L			05/04/22 01:48	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			05/04/22 01:48	1
Bromochloromethane	ND		5.0	0.20	ug/L			05/04/22 01:48	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*05/04/22 01:48*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*05/04/22 01:48*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*05/04/22 01:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*05/04/22 01:48*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/04/22 01:48*	*1*

Lab Sample ID: LCS 410-251217/5
Matrix: Water
Analysis Batch: 251217

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.5		ug/L		92	80 - 120
Styrene	20.0	19.0		ug/L		95	80 - 120
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	75 - 120
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	67 - 120
1,2-Dibromoethane	20.0	18.8		ug/L		94	77 - 120
Acrolein	150	142		ug/L		95	47 - 136
Allyl chloride	20.0	18.3		ug/L		92	62 - 122
1,2-Dichloroethane	20.0	18.4		ug/L		92	73 - 124
Propionitrile	150	152		ug/L		101	58 - 151
Acrylonitrile	100	99.5		ug/L		99	60 - 129
4-Methyl-2-pentanone	250	247		ug/L		99	62 - 133
Toluene	20.0	18.1		ug/L		91	80 - 120
Chlorobenzene	20.0	18.4		ug/L		92	80 - 120
trans-1,4-Dichloro-2-butene	100	97.3		ug/L		97	33 - 143
1,4-Dioxane	500	464		ug/L		93	63 - 146
Chlorodibromomethane	20.0	18.8		ug/L		94	71 - 120
Dibromochloromethane	20.0	18.8		ug/L		94	71 - 120
Methacrylonitrile	150	147		ug/L		98	73 - 124
2-Chloro-1,3-butadiene	20.0	19.0		ug/L		95	70 - 121
Tetrachloroethene	20.0	19.4		ug/L		97	80 - 120
Tetrachloroethylene	20.0	19.4		ug/L		97	80 - 120
Xylenes, Total	60.0	56.3		ug/L		94	80 - 120
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 125
cis-1,2-Dichloroethylene	20.0	19.4		ug/L		97	80 - 125

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

Lab Sample ID: LCS 410-251217/5
Matrix: Water
Analysis Batch: 251217

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,2-Dichloroethene	20.0	18.1		ug/L		91	80 - 126
trans-1,2-Dichloroethylene	20.0	18.1		ug/L		91	80 - 126
Carbon tetrachloride	20.0	19.5		ug/L		97	64 - 134
2-Hexanone	250	257		ug/L		103	56 - 135
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		98	78 - 120
Acetone	250	253		ug/L		101	54 - 157
Chloroform	20.0	18.5		ug/L		92	80 - 120
Benzene	20.0	18.3		ug/L		92	80 - 120
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	67 - 126
Bromomethane	20.0	18.6		ug/L		93	53 - 128
Methyl bromide	20.0	18.6		ug/L		93	53 - 128
Chloromethane	20.0	19.0		ug/L		95	56 - 121
Methyl chloride	20.0	19.0		ug/L		95	56 - 121
Methyl iodide	20.0	20.6		ug/L		103	73 - 125
Dibromomethane	20.0	19.1		ug/L		96	80 - 120
Methylene bromide	20.0	19.1		ug/L		96	80 - 120
Chloroethane	20.0	17.3		ug/L		86	55 - 123
Vinyl chloride	20.0	19.3		ug/L		97	56 - 120
Methylene Chloride	20.0	18.7		ug/L		93	80 - 120
Carbon disulfide	20.0	21.8		ug/L		109	65 - 128
Bromoform	20.0	19.7		ug/L		99	51 - 120
Bromodichloromethane	20.0	18.6		ug/L		93	71 - 120
1,1-Dichloroethane	20.0	17.9		ug/L		90	80 - 120
1,1-Dichloroethene	20.0	19.0		ug/L		95	80 - 131
1,1-Dichloroethylene	20.0	19.0		ug/L		95	80 - 131
Trichlorofluoromethane	20.0	20.3		ug/L		102	55 - 135
Dichlorodifluoromethane	20.0	23.1		ug/L		116	41 - 127
Isobutyl alcohol	500	435		ug/L		87	61 - 136
1,2-Dichloropropane	20.0	18.5		ug/L		92	80 - 120
2-Butanone	250	246		ug/L		98	59 - 135
Methyl Ethyl Ketone	250	246		ug/L		98	59 - 135
1,1,2-Trichloroethane	20.0	18.9		ug/L		95	80 - 120
Trichloroethene	20.0	18.3		ug/L		91	80 - 120
Trichloroethylene	20.0	18.3		ug/L		91	80 - 120
1,1,2,2-Tetrachloroethane	20.0	18.1		ug/L		90	72 - 120
Methyl methacrylate	20.0	19.3		ug/L		97	61 - 121
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		85	47 - 131
1,2,3-Trichloropropane	20.0	18.3		ug/L		91	75 - 124
Ethyl methacrylate	20.0	18.8		ug/L		94	59 - 141
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
o-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	18.4		ug/L		92	80 - 120
Bromochloromethane	20.0	19.3		ug/L		96	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

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

Lab Sample ID: LCS 410-251217/5
Matrix: Water
Analysis Batch: 251217

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCS 410-251217/7
Matrix: Water
Analysis Batch: 251217

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl acetate	100	103		ug/L		103	63 - 145
Acetonitrile	150	177		ug/L		118	66 - 149
Pentachloroethane	20.0	17.5		ug/L		88	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 410-251217/6
Matrix: Water
Analysis Batch: 251217

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	20.0	17.9		ug/L		90	80 - 120	3	30
Styrene	20.0	18.7		ug/L		94	80 - 120	2	30
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	75 - 120	0	30
trans-1,3-Dichloropropene	20.0	18.5		ug/L		93	67 - 120	1	30
1,2-Dibromoethane	20.0	18.6		ug/L		93	77 - 120	1	30
Acrolein	150	136		ug/L		91	47 - 136	5	30
Allyl chloride	20.0	18.0		ug/L		90	62 - 122	2	30
1,2-Dichloroethane	20.0	18.2		ug/L		91	73 - 124	1	30
Propionitrile	150	148		ug/L		99	58 - 151	3	30
Acrylonitrile	100	99.7		ug/L		100	60 - 129	0	30
4-Methyl-2-pentanone	250	249		ug/L		100	62 - 133	1	30
Toluene	20.0	17.6		ug/L		88	80 - 120	3	30
Chlorobenzene	20.0	18.0		ug/L		90	80 - 120	2	30
trans-1,4-Dichloro-2-butene	100	99.0		ug/L		99	33 - 143	2	30
1,4-Dioxane	500	498		ug/L		100	63 - 146	7	30
Chlorodibromomethane	20.0	18.1		ug/L		90	71 - 120	4	30
Dibromochloromethane	20.0	18.1		ug/L		90	71 - 120	4	30
Methacrylonitrile	150	148		ug/L		99	73 - 124	1	30
2-Chloro-1,3-butadiene	20.0	18.7		ug/L		94	70 - 121	2	30
Tetrachloroethene	20.0	18.9		ug/L		94	80 - 120	2	30
Tetrachloroethylene	20.0	18.9		ug/L		94	80 - 120	2	30
Xylenes, Total	60.0	54.3		ug/L		91	80 - 120	4	30
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	80 - 125	1	30
cis-1,2-Dichloroethylene	20.0	19.2		ug/L		96	80 - 125	1	30
trans-1,2-Dichloroethene	20.0	17.7		ug/L		88	80 - 126	2	30
trans-1,2-Dichloroethylene	20.0	17.7		ug/L		88	80 - 126	2	30

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

Lab Sample ID: LCSD 410-251217/6
Matrix: Water
Analysis Batch: 251217

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon tetrachloride			20.0	19.0		ug/L		95	64 - 134	2	30
2-Hexanone			250	257		ug/L		103	56 - 135	0	30
1,1,1,2-Tetrachloroethane			20.0	19.1		ug/L		96	78 - 120	2	30
Acetone			250	243		ug/L		97	54 - 157	4	30
Chloroform			20.0	18.3		ug/L		92	80 - 120	1	30
Benzene			20.0	18.0		ug/L		90	80 - 120	2	30
1,1,1-Trichloroethane			20.0	18.4		ug/L		92	67 - 126	3	30
Bromomethane			20.0	16.2		ug/L		81	53 - 128	14	30
Methyl bromide			20.0	16.2		ug/L		81	53 - 128	14	30
Chloromethane			20.0	18.7		ug/L		93	56 - 121	2	30
Methyl chloride			20.0	18.7		ug/L		93	56 - 121	2	30
Methyl iodide			20.0	20.1		ug/L		101	73 - 125	3	30
Dibromomethane			20.0	18.9		ug/L		95	80 - 120	1	30
Methylene bromide			20.0	18.9		ug/L		95	80 - 120	1	30
Chloroethane			20.0	16.6		ug/L		83	55 - 123	4	30
Vinyl chloride			20.0	19.0		ug/L		95	56 - 120	2	30
Methylene Chloride			20.0	18.4		ug/L		92	80 - 120	2	30
Carbon disulfide			20.0	21.2		ug/L		106	65 - 128	3	30
Bromoform			20.0	19.2		ug/L		96	51 - 120	2	30
Bromodichloromethane			20.0	18.6		ug/L		93	71 - 120	0	30
1,1-Dichloroethane			20.0	17.7		ug/L		89	80 - 120	1	30
1,1-Dichloroethene			20.0	18.8		ug/L		94	80 - 131	1	30
1,1-Dichloroethylene			20.0	18.8		ug/L		94	80 - 131	1	30
Trichlorofluoromethane			20.0	19.8		ug/L		99	55 - 135	3	30
Dichlorodifluoromethane			20.0	22.8		ug/L		114	41 - 127	1	30
Isobutyl alcohol			500	476		ug/L		95	61 - 136	9	30
1,2-Dichloropropane			20.0	18.2		ug/L		91	80 - 120	2	30
2-Butanone			250	248		ug/L		99	59 - 135	1	30
Methyl Ethyl Ketone			250	248		ug/L		99	59 - 135	1	30
1,1,2-Trichloroethane			20.0	18.6		ug/L		93	80 - 120	2	30
Trichloroethene			20.0	18.1		ug/L		90	80 - 120	1	30
Trichloroethylene			20.0	18.1		ug/L		90	80 - 120	1	30
1,1,2,2-Tetrachloroethane			20.0	18.2		ug/L		91	72 - 120	1	30
Methyl methacrylate			20.0	19.8		ug/L		99	61 - 121	2	30
1,2-Dibromo-3-Chloropropane			20.0	17.0		ug/L		85	47 - 131	0	30
1,2,3-Trichloropropane			20.0	18.2		ug/L		91	75 - 124	0	30
Ethyl methacrylate			20.0	19.1		ug/L		95	59 - 141	1	30
1,2-Dichlorobenzene			20.0	18.9		ug/L		95	80 - 120	0	30
o-Dichlorobenzene			20.0	18.9		ug/L		95	80 - 120	0	30
1,4-Dichlorobenzene			20.0	18.7		ug/L		93	80 - 120	1	30
Bromochloromethane			20.0	19.3		ug/L		97	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: LCSD 410-251217/8
Matrix: Water
Analysis Batch: 251217

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vinyl acetate			100	101		ug/L		101	63 - 145	1	30
Acetonitrile			150	174		ug/L		116	66 - 149	1	30
Pentachloroethane			20.0	17.7		ug/L		89	70 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Method: 200.7 - Dissolved Metals

Lab Sample ID: MB 410-247929/1-A
Matrix: Water
Analysis Batch: 249508

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 247929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 08:33	04/28/22 10:19	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 08:33	04/28/22 10:19	1
Barium	ND		0.0052	0.0010	mg/L		04/25/22 08:33	04/28/22 10:19	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 08:33	04/28/22 10:19	1

Lab Sample ID: LCS 410-247929/2-A
Matrix: Water
Analysis Batch: 249508

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 247929

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.500	0.514		mg/L		103	85 - 115
Selenium			0.100	0.106		mg/L		106	85 - 115
Barium			0.500	0.494		mg/L		99	85 - 115
Silver			0.0500	0.0509	^5-	mg/L		102	85 - 115

Lab Sample ID: MB 410-247954/1-A
Matrix: Water
Analysis Batch: 249099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 247954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:05	1
Selenium	ND		0.052	0.016	mg/L		04/25/22 09:34	04/27/22 15:05	1
Barium	ND		0.0052	0.0010	mg/L		04/25/22 09:34	04/27/22 15:05	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/25/22 09:34	04/27/22 15:05	1

Lab Sample ID: LCS 410-247954/2-A
Matrix: Water
Analysis Batch: 249099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 247954

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic			0.500	0.494		mg/L		99	85 - 115
Selenium			0.100	0.110		mg/L		110	85 - 115

Method: 200.7 - Dissolved Metals (Continued)

Lab Sample ID: LCS 410-247954/2-A
Matrix: Water
Analysis Batch: 249099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 247954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.509		mg/L		102	85 - 115
Silver	0.0500	0.0541	^5-	mg/L		108	85 - 115

Lab Sample ID: MB 410-248572/1-A
Matrix: Water
Analysis Batch: 249206

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 248572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:37	04/27/22 18:54	1
Barium	ND		0.0052	0.0010	mg/L		04/26/22 15:37	04/27/22 18:54	1
Silver	ND	^5-	0.010	0.0041	mg/L		04/26/22 15:37	04/27/22 18:54	1

Lab Sample ID: MB 410-248572/1-A
Matrix: Water
Analysis Batch: 249692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 248572

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:37	04/28/22 17:37	1

Lab Sample ID: LCS 410-248572/2-A
Matrix: Water
Analysis Batch: 249206

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 248572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.102		mg/L		102	85 - 115
Barium	0.500	0.511		mg/L		102	85 - 115
Silver	0.0500	0.0519	^5-	mg/L		104	85 - 115

Lab Sample ID: LCS 410-248572/2-A
Matrix: Water
Analysis Batch: 249692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 248572

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.519		mg/L		104	85 - 115

Lab Sample ID: MB 410-248584/1-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 248584

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:26	1
Selenium	ND		0.052	0.016	mg/L		04/26/22 15:47	04/29/22 01:26	1
Barium	ND		0.0052	0.0010	mg/L		04/26/22 15:47	04/29/22 01:26	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/26/22 15:47	04/29/22 01:26	1

Method: 200.7 - Dissolved Metals (Continued)

Lab Sample ID: LCS 410-248584/2-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 248584

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.500	0.530		mg/L		106	85 - 115		
Selenium			0.100	0.104		mg/L		104	85 - 115		
Barium			0.500	0.537		mg/L		107	85 - 115		
Silver			0.0500	0.0557	^3+ ^5-	mg/L		111	85 - 115		

Lab Sample ID: MB 410-249172/1-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 249172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:03	1
Selenium	ND		0.052	0.016	mg/L		04/27/22 19:00	04/29/22 02:03	1
Barium	ND		0.0052	0.0010	mg/L		04/27/22 19:00	04/29/22 02:03	1
Silver	ND	^3+ ^5-	0.010	0.0041	mg/L		04/27/22 19:00	04/29/22 02:03	1

Lab Sample ID: LCS 410-249172/2-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 249172

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.500	0.516		mg/L		103	85 - 115		
Selenium			0.100	0.101		mg/L		101	85 - 115		
Barium			0.500	0.544		mg/L		109	85 - 115		
Silver			0.0500	0.0530	^3+ ^5-	mg/L		106	85 - 115		

Lab Sample ID: 630-31774-10 MS
Matrix: Leachate
Analysis Batch: 249508

Client Sample ID: LEACHATE SUMP 12
Prep Type: Dissolved
Prep Batch: 247929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		0.500	0.534		mg/L		107	70 - 130		
Selenium	ND		0.100	0.105		mg/L		105	70 - 130		
Barium	0.030		0.500	0.537		mg/L		101	70 - 130		
Silver	ND	^5-	0.0500	0.0506	^5-	mg/L		101	70 - 130		

Lab Sample ID: 630-31774-10 MSD
Matrix: Leachate
Analysis Batch: 249508

Client Sample ID: LEACHATE SUMP 12
Prep Type: Dissolved
Prep Batch: 247929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.534		mg/L		107	70 - 130	0	20
Selenium	ND		0.100	0.112		mg/L		112	70 - 130	7	20
Barium	0.030		0.500	0.528		mg/L		100	70 - 130	2	20
Silver	ND	^5-	0.0500	0.0509	^5-	mg/L		102	70 - 130	1	20

Method: 200.7 - Dissolved Metals (Continued)

Lab Sample ID: 630-31774-10 DU — **Client Sample ID: LEACHATE SUMP 12**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249508 — **Prep Batch: 247929**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	ND		ND		mg/L		NC	20
Selenium	ND		ND		mg/L		NC	20
Barium	0.030		0.0302		mg/L		0.9	20
Silver	ND	^5-	ND		mg/L		NC	20

Lab Sample ID: 630-31774-2 MS — **Client Sample ID: LEACHATE SUMP 4**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249206 — **Prep Batch: 248572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	ND		0.100	0.115		mg/L		115	70 - 130
Barium	0.076		0.500	0.569		mg/L		98	70 - 130
Silver	ND	^5-	0.0500	0.0498	^5-	mg/L		100	70 - 130

Lab Sample ID: 630-31774-2 MS — **Client Sample ID: LEACHATE SUMP 4**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249692 — **Prep Batch: 248572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		0.500	0.533		mg/L		107	70 - 130

Lab Sample ID: 630-31774-2 MSD — **Client Sample ID: LEACHATE SUMP 4**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249206 — **Prep Batch: 248572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Selenium	ND		0.100	0.117		mg/L		117	70 - 130	2	20
Barium	0.076		0.500	0.562		mg/L		97	70 - 130	1	20
Silver	ND	^5-	0.0500	0.0500	^5-	mg/L		100	70 - 130	0	20

Lab Sample ID: 630-31774-2 MSD — **Client Sample ID: LEACHATE SUMP 4**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249692 — **Prep Batch: 248572**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.539		mg/L		108	70 - 130	1	20

Lab Sample ID: 630-31774-2 DU — **Client Sample ID: LEACHATE SUMP 4**
Matrix: Leachate — **Prep Type: Dissolved**
Analysis Batch: 249206 — **Prep Batch: 248572**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Selenium	ND		ND		mg/L		NC	20
Barium	0.076		0.0764		mg/L		0	20
Silver	ND	^5-	ND		mg/L		NC	20

Method: 200.7 - Dissolved Metals (Continued)

Lab Sample ID: 630-31774-2 DU
Matrix: Leachate
Analysis Batch: 249692

Client Sample ID: LEACHATE SUMP 4
Prep Type: Dissolved
Prep Batch: 248572

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	ND		ND		mg/L		NC	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 410-247686/1-A
Matrix: Water
Analysis Batch: 248317

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 247686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^5+ ^1+	0.030	0.0081	mg/L		04/23/22 12:13	04/26/22 03:02	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:02	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:02	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:13	04/26/22 03:02	1
Barium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:02	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:02	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:13	04/26/22 03:02	1
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:13	04/26/22 03:02	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:13	04/26/22 03:02	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:13	04/26/22 03:02	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:13	04/26/22 03:02	1
Nickel	ND		0.010	0.0021	mg/L		04/23/22 12:13	04/26/22 03:02	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:13	04/26/22 03:02	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:13	04/26/22 03:02	1
Zinc	ND		0.020	0.0037	mg/L		04/23/22 12:13	04/26/22 03:02	1

Lab Sample ID: LCS 410-247686/2-A
Matrix: Water
Analysis Batch: 248317

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 247686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.108	^1+ ^5+	mg/L		108	85 - 115
Arsenic	0.500	0.460		mg/L		92	85 - 115
Selenium	0.100	0.0990	^5+	mg/L		99	85 - 115
Antimony	0.100	0.0903		mg/L		90	85 - 115
Barium	0.500	0.500		mg/L		100	85 - 115
Beryllium	0.0500	0.0480		mg/L		96	85 - 115
Cadmium	0.0500	0.0496		mg/L		99	85 - 115
Chromium	0.500	0.495		mg/L		99	85 - 115
Cobalt	0.500	0.507		mg/L		101	85 - 115
Copper	0.500	0.478		mg/L		95	85 - 115
Lead	0.0500	0.0485		mg/L		97	85 - 115
Nickel	0.500	0.515		mg/L		103	85 - 115
Silver	0.0500	0.0526	^5- ^3+	mg/L		105	85 - 115
Vanadium	0.500	0.489		mg/L		98	85 - 115
Zinc	0.500	0.491		mg/L		98	85 - 115

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 410-247688/1-A
Matrix: Water
Analysis Batch: 248317

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 247688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^5+ ^1+	0.030	0.0081	mg/L		04/23/22 12:23	04/26/22 01:47	1
Arsenic	ND		0.050	0.016	mg/L		04/23/22 12:23	04/26/22 01:47	1
Selenium	ND	^5+	0.050	0.016	mg/L		04/23/22 12:23	04/26/22 01:47	1
Antimony	ND		0.050	0.016	mg/L		04/23/22 12:23	04/26/22 01:47	1
Barium	ND		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 01:47	1
Beryllium	ND		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 01:47	1
Cadmium	ND		0.0050	0.0010	mg/L		04/23/22 12:23	04/26/22 01:47	1
Chromium	ND		0.015	0.0030	mg/L		04/23/22 12:23	04/26/22 01:47	1
Cobalt	ND		0.0050	0.0015	mg/L		04/23/22 12:23	04/26/22 01:47	1
Copper	ND		0.020	0.0080	mg/L		04/23/22 12:23	04/26/22 01:47	1
Lead	ND		0.015	0.0071	mg/L		04/23/22 12:23	04/26/22 01:47	1
Nickel	ND		0.010	0.0021	mg/L		04/23/22 12:23	04/26/22 01:47	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/23/22 12:23	04/26/22 01:47	1
Vanadium	ND		0.010	0.0019	mg/L		04/23/22 12:23	04/26/22 01:47	1
Zinc	ND		0.020	0.0037	mg/L		04/23/22 12:23	04/26/22 01:47	1

Lab Sample ID: LCS 410-247688/2-A
Matrix: Water
Analysis Batch: 248317

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 247688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.109	^1+ ^5+	mg/L		109	85 - 115
Arsenic	0.500	0.495		mg/L		99	85 - 115
Selenium	0.100	0.108	^5+	mg/L		108	85 - 115
Antimony	0.100	0.0979		mg/L		98	85 - 115
Barium	0.500	0.507		mg/L		101	85 - 115
Beryllium	0.0500	0.0497		mg/L		99	85 - 115
Cadmium	0.0500	0.0516		mg/L		103	85 - 115
Chromium	0.500	0.509		mg/L		102	85 - 115
Cobalt	0.500	0.520		mg/L		104	85 - 115
Copper	0.500	0.495		mg/L		99	85 - 115
Lead	0.0500	0.0509		mg/L		102	85 - 115
Nickel	0.500	0.529		mg/L		106	85 - 115
Silver	0.0500	0.0546	^5- ^3+	mg/L		109	85 - 115
Vanadium	0.500	0.503		mg/L		101	85 - 115
Zinc	0.500	0.520		mg/L		104	85 - 115

Lab Sample ID: LCSD 410-247688/3-A
Matrix: Water
Analysis Batch: 248317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 247688

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	0.100	0.109	^1+ ^5+	mg/L		109	85 - 115	0	20
Arsenic	0.500	0.489		mg/L		98	85 - 115	1	20
Selenium	0.100	0.106	^5+	mg/L		106	85 - 115	2	20
Antimony	0.100	0.0977		mg/L		98	85 - 115	0	20
Barium	0.500	0.502		mg/L		100	85 - 115	1	20
Beryllium	0.0500	0.0498		mg/L		100	85 - 115	0	20
Cadmium	0.0500	0.0512		mg/L		102	85 - 115	1	20

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 410-247688/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 248317
Prep Batch: 247688

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			0.500	0.509		mg/L		102	85 - 115	0	20
Cobalt			0.500	0.517		mg/L		103	85 - 115	1	20
Copper			0.500	0.496		mg/L		99	85 - 115	0	20
Lead			0.0500	0.0513		mg/L		103	85 - 115	1	20
Nickel			0.500	0.527		mg/L		105	85 - 115	0	20
Silver			0.0500	0.0551	^5- ^3+	mg/L		110	85 - 115	1	20
Vanadium			0.500	0.502		mg/L		100	85 - 115	0	20
Zinc			0.500	0.517		mg/L		103	85 - 115	1	20

Lab Sample ID: 630-31774-7 MS
Client Sample ID: LEACHATE SUMP 9
Matrix: Leachate
Prep Type: Total Recoverable
Analysis Batch: 248317
Prep Batch: 247688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Thallium	ND	^1+ ^5+	0.100	0.109	^1+ ^5+	mg/L		109	70 - 130		
Arsenic	ND		0.500	0.481		mg/L		96	70 - 130		
Selenium	ND	^5+	0.100	0.100	^5+	mg/L		100	70 - 130		
Antimony	ND		0.100	0.102		mg/L		102	70 - 130		
Barium	0.025		0.500	0.526		mg/L		100	70 - 130		
Beryllium	ND		0.0500	0.0490		mg/L		98	70 - 130		
Cadmium	ND		0.0500	0.0503		mg/L		101	70 - 130		
Chromium	ND		0.500	0.499		mg/L		100	70 - 130		
Cobalt	ND		0.500	0.508		mg/L		102	70 - 130		
Copper	ND		0.500	0.493		mg/L		99	70 - 130		
Lead	ND		0.0500	0.0495		mg/L		99	70 - 130		
Nickel	0.0022	J	0.500	0.515		mg/L		103	70 - 130		
Silver	ND	^5- ^3+	0.0500	0.0537	^5- ^3+	mg/L		107	70 - 130		
Vanadium	0.0061	J	0.500	0.508		mg/L		100	70 - 130		
Zinc	0.067		0.500	0.568		mg/L		100	70 - 130		

Lab Sample ID: 630-31774-7 DU
Client Sample ID: LEACHATE SUMP 9
Matrix: Leachate
Prep Type: Total Recoverable
Analysis Batch: 248317
Prep Batch: 247688

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Thallium	ND	^1+ ^5+		ND	^1+	mg/L				NC	20
Arsenic	ND			ND		mg/L				NC	20
Selenium	ND	^5+		ND		mg/L				NC	20
Antimony	ND			ND		mg/L				NC	20
Barium	0.025			0.0262		mg/L				5	20
Beryllium	ND			ND		mg/L				NC	20
Cadmium	ND			ND		mg/L				NC	20
Chromium	ND			ND		mg/L				NC	20
Cobalt	ND			ND		mg/L				NC	20
Copper	ND			ND		mg/L				NC	20
Lead	ND			ND		mg/L				NC	20
Nickel	0.0022	J		ND		mg/L				NC	20
Silver	ND	^5- ^3+		ND	^3+	mg/L				NC	20
Vanadium	0.0061	J		0.00691	J	mg/L				13	20

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 630-31774-7 DU
Matrix: Leachate
Analysis Batch: 248317

Client Sample ID: LEACHATE SUMP 9
Prep Type: Total Recoverable
Prep Batch: 247688

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	0.067		0.0643		mg/L		4	20

Lab Sample ID: MB 410-248215/1-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 248215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 04:08	1
Arsenic	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:08	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:08	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 04:08	1
Barium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:08	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:08	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 04:08	1
Chromium	ND		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 04:08	1
Cobalt	ND		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 04:08	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 04:08	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 04:08	1
Nickel	ND		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 04:08	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 04:08	1
Vanadium	ND		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 04:08	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 04:08	1

Lab Sample ID: MB 410-248215/1-A
Matrix: Water
Analysis Batch: 250181

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 248215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^5+	0.030	0.0081	mg/L		04/25/22 20:46	04/29/22 23:51	1
Arsenic	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:51	1
Selenium	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:51	1
Antimony	ND		0.050	0.016	mg/L		04/25/22 20:46	04/29/22 23:51	1
Barium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:51	1
Beryllium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:51	1
Cadmium	ND		0.0050	0.0010	mg/L		04/25/22 20:46	04/29/22 23:51	1
Chromium	ND		0.015	0.0030	mg/L		04/25/22 20:46	04/29/22 23:51	1
Cobalt	ND		0.0050	0.0015	mg/L		04/25/22 20:46	04/29/22 23:51	1
Copper	ND		0.020	0.0080	mg/L		04/25/22 20:46	04/29/22 23:51	1
Lead	ND		0.015	0.0071	mg/L		04/25/22 20:46	04/29/22 23:51	1
Nickel	ND		0.010	0.0021	mg/L		04/25/22 20:46	04/29/22 23:51	1
Silver	ND	^5- ^3+	0.010	0.0040	mg/L		04/25/22 20:46	04/29/22 23:51	1
Vanadium	ND		0.010	0.0019	mg/L		04/25/22 20:46	04/29/22 23:51	1
Zinc	ND		0.020	0.0037	mg/L		04/25/22 20:46	04/29/22 23:51	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 410-248215/2-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 248215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.116	^1+ ^5+ * +	mg/L		116	85 - 115
Arsenic	0.500	0.525		mg/L		105	85 - 115
Selenium	0.100	0.102		mg/L		102	85 - 115
Antimony	0.100	0.107		mg/L		107	85 - 115
Barium	0.500	0.549		mg/L		110	85 - 115
Beryllium	0.0500	0.0522		mg/L		104	85 - 115
Cadmium	0.0500	0.0547		mg/L		109	85 - 115
Chromium	0.500	0.530		mg/L		106	85 - 115
Cobalt	0.500	0.545		mg/L		109	85 - 115
Copper	0.500	0.522		mg/L		104	85 - 115
Lead	0.0500	0.0549		mg/L		110	85 - 115
Nickel	0.500	0.550		mg/L		110	85 - 115
Silver	0.0500	0.0577	^3+ ^5-	mg/L		115	85 - 115
Vanadium	0.500	0.515		mg/L		103	85 - 115
Zinc	0.500	0.536		mg/L		107	85 - 115

Lab Sample ID: LCS 410-248215/2-A
Matrix: Water
Analysis Batch: 250181

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 248215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.111	^5+	mg/L		111	85 - 115
Arsenic	0.500	0.485		mg/L		97	85 - 115
Selenium	0.100	0.0992		mg/L		99	85 - 115
Antimony	0.100	0.0971		mg/L		97	85 - 115
Barium	0.500	0.523		mg/L		105	85 - 115
Beryllium	0.0500	0.0493		mg/L		99	85 - 115
Cadmium	0.0500	0.0515		mg/L		103	85 - 115
Chromium	0.500	0.504		mg/L		101	85 - 115
Cobalt	0.500	0.520		mg/L		104	85 - 115
Copper	0.500	0.490		mg/L		98	85 - 115
Lead	0.0500	0.0523		mg/L		105	85 - 115
Nickel	0.500	0.530		mg/L		106	85 - 115
Silver	0.0500	0.0548	^5- ^3+	mg/L		110	85 - 115
Vanadium	0.500	0.499		mg/L		100	85 - 115
Zinc	0.500	0.497		mg/L		99	85 - 115

Lab Sample ID: MB 410-248759/1-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 248759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND	^1+ ^5+	0.030	0.0081	mg/L		04/27/22 06:33	04/29/22 00:29	1
Arsenic	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 00:29	1
Selenium	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 00:29	1
Antimony	ND		0.050	0.016	mg/L		04/27/22 06:33	04/29/22 00:29	1
Barium	ND		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 00:29	1
Beryllium	ND		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 00:29	1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 410-248759/1-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 248759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0050	0.0010	mg/L		04/27/22 06:33	04/29/22 00:29	1
Chromium	ND		0.015	0.0030	mg/L		04/27/22 06:33	04/29/22 00:29	1
Cobalt	ND		0.0050	0.0015	mg/L		04/27/22 06:33	04/29/22 00:29	1
Copper	ND		0.020	0.0080	mg/L		04/27/22 06:33	04/29/22 00:29	1
Lead	ND		0.015	0.0071	mg/L		04/27/22 06:33	04/29/22 00:29	1
Nickel	ND		0.010	0.0021	mg/L		04/27/22 06:33	04/29/22 00:29	1
Silver	ND	^3+ ^5-	0.010	0.0040	mg/L		04/27/22 06:33	04/29/22 00:29	1
Vanadium	ND		0.010	0.0019	mg/L		04/27/22 06:33	04/29/22 00:29	1
Zinc	ND		0.020	0.0037	mg/L		04/27/22 06:33	04/29/22 00:29	1

Lab Sample ID: LCS 410-248759/2-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 248759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	0.100	0.108	^1+ ^5+	mg/L		108	85 - 115
Arsenic	0.500	0.510		mg/L		102	85 - 115
Selenium	0.100	0.0962		mg/L		96	85 - 115
Antimony	0.100	0.108		mg/L		108	85 - 115
Barium	0.500	0.512		mg/L		102	85 - 115
Beryllium	0.0500	0.0507		mg/L		101	85 - 115
Cadmium	0.0500	0.0523		mg/L		105	85 - 115
Chromium	0.500	0.510		mg/L		102	85 - 115
Cobalt	0.500	0.519		mg/L		104	85 - 115
Copper	0.500	0.495		mg/L		99	85 - 115
Lead	0.0500	0.0511		mg/L		102	85 - 115
Nickel	0.500	0.523		mg/L		105	85 - 115
Silver	0.0500	0.0561	^3+ ^5-	mg/L		112	85 - 115
Vanadium	0.500	0.495		mg/L		99	85 - 115
Zinc	0.500	0.520		mg/L		104	85 - 115

Lab Sample ID: LCSD 410-248759/3-A
Matrix: Water
Analysis Batch: 249829

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 248759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	0.100	0.109	^1+ ^5+	mg/L		109	85 - 115	1	20
Arsenic	0.500	0.503		mg/L		101	85 - 115	1	20
Selenium	0.100	0.0978		mg/L		98	85 - 115	2	20
Antimony	0.100	0.105		mg/L		105	85 - 115	3	20
Barium	0.500	0.513		mg/L		103	85 - 115	0	20
Beryllium	0.0500	0.0510		mg/L		102	85 - 115	1	20
Cadmium	0.0500	0.0521		mg/L		104	85 - 115	0	20
Chromium	0.500	0.515		mg/L		103	85 - 115	1	20
Cobalt	0.500	0.519		mg/L		104	85 - 115	0	20
Copper	0.500	0.498		mg/L		100	85 - 115	1	20
Lead	0.0500	0.0517		mg/L		103	85 - 115	1	20
Nickel	0.500	0.524		mg/L		105	85 - 115	0	20
Silver	0.0500	0.0568	^3+ ^5-	mg/L		114	85 - 115	1	20

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 410-248759/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total Recoverable
Analysis Batch: 249829
Prep Batch: 248759

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium			0.500	0.498		mg/L		100	85 - 115	1	20
Zinc			0.500	0.512		mg/L		102	85 - 115	2	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-248142/17
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248142

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/25/22 14:05	1

Lab Sample ID: LCS 410-248142/15
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248142

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia, Dissolved			3.00	2.91		mg/L		97	90 - 110		

Lab Sample ID: LCSD 410-248142/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248142

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia, Dissolved			3.00	2.97		mg/L		99	90 - 110	2	15

Lab Sample ID: MB 410-248596/17
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248596

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			04/26/22 14:22	1
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/26/22 14:22	1

Lab Sample ID: LCS 410-248596/15
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248596

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N			3.00	2.82		mg/L		94	90 - 110		
Ammonia, Dissolved			3.00	2.82		mg/L		94	90 - 110		

Lab Sample ID: LCSD 410-248596/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248596

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N			3.00	2.91		mg/L		97	90 - 110	3	15
Ammonia, Dissolved			3.00	2.91		mg/L		97	90 - 110	3	15

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 630-31774-8 MS
Client Sample ID: LEACHATE SUMP 10
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 248596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N	0.10		2.50	2.50		mg/L		96	90 - 110		
Ammonia, Dissolved	0.10		2.50	2.50		mg/L		96	90 - 110		

Lab Sample ID: 630-31774-8 DU
Client Sample ID: LEACHATE SUMP 10
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 248596

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia as N	0.10			0.0779	J F5	mg/L				25	20
Ammonia, Dissolved	0.10			0.0779	J F5	mg/L				25	20

Lab Sample ID: MB 410-249035/17
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 249035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/27/22 11:09	1

Lab Sample ID: MB 410-249035/52
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 249035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia, Dissolved	ND		0.10	0.050	mg/L			04/27/22 12:22	1

Lab Sample ID: LCS 410-249035/50
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 249035

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia, Dissolved			3.00	3.13		mg/L		105	90 - 110		

Lab Sample ID: LCSD 410-249035/51
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 249035

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia, Dissolved			3.00	3.14		mg/L		105	90 - 110	0	15

Lab Sample ID: 630-31774-7 MS
Client Sample ID: LEACHATE SUMP 9
Matrix: Leachate
Prep Type: Dissolved
Analysis Batch: 248142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia, Dissolved	ND	F1	2.50	2.54		mg/L		101	90 - 110		

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 630-31774-7 DU
Matrix: Leachate
Analysis Batch: 248142

Client Sample ID: LEACHATE SUMP 9
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia, Dissolved	ND	F1	ND		mg/L		NC	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 410-250027/125
Matrix: Water
Analysis Batch: 250027

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			04/29/22 10:32	1

Lab Sample ID: MB 410-250027/91
Matrix: Water
Analysis Batch: 250027

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.10	0.040	mg/L			04/29/22 09:30	1

Lab Sample ID: LCS 410-250027/123
Matrix: Water
Analysis Batch: 250027

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	2.50	2.43		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-250027/124
Matrix: Water
Analysis Batch: 250027

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	2.50	2.64		mg/L		106	90 - 110	8	20

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-249066/17
Matrix: Water
Analysis Batch: 249066

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			04/27/22 12:50	1

Lab Sample ID: 630-31774-11 MS
Matrix: Leachate
Analysis Batch: 249066

Client Sample ID: LEACHATE SUMP 13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.9		2.50	5.27		mg/L		94	90 - 110

Method: EPA 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 630-31774-11 DU
Client Sample ID: LEACHATE SUMP 13
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 249066

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Ammonia as N	2.9			2.92		mg/L				0.5	20

Lab Sample ID: MB 410-251531/17
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 251531

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			05/04/22 11:23	1

Lab Sample ID: LCS 410-251531/15
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 251531

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia as N			3.00	3.11		mg/L		104	90 - 110		

Lab Sample ID: LCSD 410-251531/16
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 251531

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia as N			3.00	3.14		mg/L		105	90 - 110	1	15

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 410-248165/61
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248165

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		5.0	1.7	umhos/cm			04/25/22 16:57	1

Lab Sample ID: LCS 410-248165/64
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248165

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			147	147		umhos/cm		100	97 - 103		

Lab Sample ID: 630-31774-9 DU
Client Sample ID: LEACHATE SUMP 11
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 248165

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	18000			18000		umhos/cm				2	5

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: 630-31774-13 DU
Client Sample ID: LEACHATE SUMP 15
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 248165

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Specific Conductance	15000			15700		umhos/cm				2	5

Lab Sample ID: MB 410-248592/3
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		5.0	1.7	umhos/cm			04/26/22 15:15	1

Lab Sample ID: LCS 410-248592/4
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 248592

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Specific Conductance			147	145		umhos/cm		98	97 - 103		

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 410-247581/1
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 247581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		30	12	mg/L			04/22/22 17:09	1

Lab Sample ID: LCS 410-247581/2
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 247581

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			200	199		mg/L		100	72 - 127		

Lab Sample ID: 630-31774-1 MS
Client Sample ID: LEACHATE SUMP 3
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 247581

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids	1800		1600	3300		mg/L		96	72 - 127		

Lab Sample ID: 630-31774-1 DU
Client Sample ID: LEACHATE SUMP 3
Matrix: Leachate
Prep Type: Total/NA
Analysis Batch: 247581

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1800			1760		mg/L				0.9	5

Client: Cape May County Municipal Utilities Auth
Project/Site: Semi-Annual Landfill Leachate Sumps

Job ID: 630-31774-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 630-31774-6 DU
Matrix: Leachate
Analysis Batch: 247581

Client Sample ID: LEACHATE SUMP 8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	4900			5020		mg/L				3	5

GC/MS VOA

Analysis Batch: 247737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	624.1	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	624.1	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	624.1	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	624.1	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	624.1	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	624.1	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	624.1	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	624.1	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	624.1	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	624.1	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	624.1	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	624.1	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	624.1	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	624.1	
630-31774-17	TRIP BLANK	Total/NA	Water	624.1	
630-31774-18	FIELD BLANK	Total/NA	Water	624.1	
MB 410-247737/5	Method Blank	Total/NA	Water	624.1	
LCS 410-247737/1003	Lab Control Sample	Total/NA	Water	624.1	
630-31774-1 MS	LEACHATE SUMP 3	Total/NA	Leachate	624.1	
630-31774-1 MSD	LEACHATE SUMP 3	Total/NA	Leachate	624.1	

Analysis Batch: 251217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	8260D	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	8260D	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	8260D	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	8260D	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	8260D	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	8260D	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	8260D	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	8260D	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	8260D	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	8260D	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	8260D	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	8260D	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	8260D	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	8260D	
630-31774-17	TRIP BLANK	Total/NA	Water	8260D	
630-31774-18	FIELD BLANK	Total/NA	Water	8260D	
MB 410-251217/11	Method Blank	Total/NA	Water	8260D	
LCS 410-251217/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-251217/7	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-251217/6	Lab Control Sample Dup	Total/NA	Water	8260D	
LCSD 410-251217/8	Lab Control Sample Dup	Total/NA	Water	8260D	

Metals

Prep Batch: 247686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-5	LEACHATE SUMP 7	Total Recoverable	Leachate	200.7	
630-31774-8	LEACHATE SUMP 10	Total Recoverable	Leachate	200.7	

Metals (Continued)

Prep Batch: 247686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-10	LEACHATE SUMP 12	Total Recoverable	Leachate	200.7	
630-31774-11	LEACHATE SUMP 13	Total Recoverable	Leachate	200.7	
630-31774-12	LEACHATE SUMP 14	Total Recoverable	Leachate	200.7	
630-31774-14	LEACHATE SUMP 16	Total Recoverable	Leachate	200.7	
630-31774-18	FIELD BLANK	Total Recoverable	Water	200.7	
MB 410-247686/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 410-247686/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Prep Batch: 247688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-7	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7	
MB 410-247688/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 410-247688/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 410-247688/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
630-31774-7 MS	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7	
630-31774-7 DU	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7	

Prep Batch: 247929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-10	LEACHATE SUMP 12	Dissolved	Leachate	Non-Digest Prep	
MB 410-247929/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-247929/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
630-31774-10 MS	LEACHATE SUMP 12	Dissolved	Leachate	Non-Digest Prep	
630-31774-10 MSD	LEACHATE SUMP 12	Dissolved	Leachate	Non-Digest Prep	
630-31774-10 DU	LEACHATE SUMP 12	Dissolved	Leachate	Non-Digest Prep	

Prep Batch: 247954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-11	LEACHATE SUMP 13	Dissolved	Leachate	Non-Digest Prep	
630-31774-12	LEACHATE SUMP 14	Dissolved	Leachate	Non-Digest Prep	
630-31774-18	FIELD BLANK	Dissolved	Water	Non-Digest Prep	
MB 410-247954/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-247954/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 248215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total Recoverable	Leachate	200.7	
630-31774-2	LEACHATE SUMP 4	Total Recoverable	Leachate	200.7	
630-31774-3	LEACHATE SUMP 5	Total Recoverable	Leachate	200.7	
630-31774-6	LEACHATE SUMP 8	Total Recoverable	Leachate	200.7	
630-31774-9	LEACHATE SUMP 11	Total Recoverable	Leachate	200.7	
630-31774-13	LEACHATE SUMP 15	Total Recoverable	Leachate	200.7	
MB 410-248215/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 410-248215/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 248317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-5	LEACHATE SUMP 7	Total Recoverable	Leachate	200.7 Rev 4.4	247686
630-31774-7	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7 Rev 4.4	247688
630-31774-8	LEACHATE SUMP 10	Total Recoverable	Leachate	200.7 Rev 4.4	247686
630-31774-10	LEACHATE SUMP 12	Total Recoverable	Leachate	200.7 Rev 4.4	247686

Metals (Continued)

Analysis Batch: 248317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-11	LEACHATE SUMP 13	Total Recoverable	Leachate	200.7 Rev 4.4	247686
630-31774-12	LEACHATE SUMP 14	Total Recoverable	Leachate	200.7 Rev 4.4	247686
630-31774-14	LEACHATE SUMP 16	Total Recoverable	Leachate	200.7 Rev 4.4	247686
630-31774-18	FIELD BLANK	Total Recoverable	Water	200.7 Rev 4.4	247686
MB 410-247686/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	247686
MB 410-247688/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	247688
LCS 410-247686/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	247686
LCS 410-247688/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	247688
LCSD 410-247688/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	247688
630-31774-7 MS	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7 Rev 4.4	247688
630-31774-7 DU	LEACHATE SUMP 9	Total Recoverable	Leachate	200.7 Rev 4.4	247688

Prep Batch: 248572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-2	LEACHATE SUMP 4	Dissolved	Leachate	Non-Digest Prep	
MB 410-248572/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-248572/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
630-31774-2 MS	LEACHATE SUMP 4	Dissolved	Leachate	Non-Digest Prep	
630-31774-2 MSD	LEACHATE SUMP 4	Dissolved	Leachate	Non-Digest Prep	
630-31774-2 DU	LEACHATE SUMP 4	Dissolved	Leachate	Non-Digest Prep	

Prep Batch: 248584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-5	LEACHATE SUMP 7	Dissolved	Leachate	Non-Digest Prep	
630-31774-7	LEACHATE SUMP 9	Dissolved	Leachate	Non-Digest Prep	
630-31774-8	LEACHATE SUMP 10	Dissolved	Leachate	Non-Digest Prep	
630-31774-14	LEACHATE SUMP 16	Dissolved	Leachate	Non-Digest Prep	
MB 410-248584/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-248584/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 248759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-4	LEACHATE SUMP 6	Total Recoverable	Leachate	200.7	
MB 410-248759/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 410-248759/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 410-248759/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Analysis Batch: 249099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-11	LEACHATE SUMP 13	Dissolved	Leachate	200.7	247954
630-31774-12	LEACHATE SUMP 14	Dissolved	Leachate	200.7	247954
630-31774-18	FIELD BLANK	Dissolved	Water	200.7	247954
MB 410-247954/1-A	Method Blank	Total/NA	Water	200.7	247954
LCS 410-247954/2-A	Lab Control Sample	Total/NA	Water	200.7	247954

Prep Batch: 249172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Dissolved	Leachate	Non-Digest Prep	
630-31774-3	LEACHATE SUMP 5	Dissolved	Leachate	Non-Digest Prep	
630-31774-4	LEACHATE SUMP 6	Dissolved	Leachate	Non-Digest Prep	
630-31774-6	LEACHATE SUMP 8	Dissolved	Leachate	Non-Digest Prep	

Metals (Continued)

Prep Batch: 249172 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-9	LEACHATE SUMP 11	Dissolved	Leachate	Non-Digest Prep	
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	Non-Digest Prep	
MB 410-249172/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-249172/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 249206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-2	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
MB 410-248572/1-A	Method Blank	Total/NA	Water	200.7	248572
LCS 410-248572/2-A	Lab Control Sample	Total/NA	Water	200.7	248572
630-31774-2 MS	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
630-31774-2 MSD	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
630-31774-2 DU	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572

Analysis Batch: 249508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-10	LEACHATE SUMP 12	Dissolved	Leachate	200.7	247929
MB 410-247929/1-A	Method Blank	Total/NA	Water	200.7	247929
LCS 410-247929/2-A	Lab Control Sample	Total/NA	Water	200.7	247929
630-31774-10 MS	LEACHATE SUMP 12	Dissolved	Leachate	200.7	247929
630-31774-10 MSD	LEACHATE SUMP 12	Dissolved	Leachate	200.7	247929
630-31774-10 DU	LEACHATE SUMP 12	Dissolved	Leachate	200.7	247929

Analysis Batch: 249692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-2	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
MB 410-248572/1-A	Method Blank	Total/NA	Water	200.7	248572
LCS 410-248572/2-A	Lab Control Sample	Total/NA	Water	200.7	248572
630-31774-2 MS	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
630-31774-2 MSD	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572
630-31774-2 DU	LEACHATE SUMP 4	Dissolved	Leachate	200.7	248572

Analysis Batch: 249829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Dissolved	Leachate	200.7	249172
630-31774-1	LEACHATE SUMP 3	Total Recoverable	Leachate	200.7 Rev 4.4	248215
630-31774-2	LEACHATE SUMP 4	Total Recoverable	Leachate	200.7 Rev 4.4	248215
630-31774-3	LEACHATE SUMP 5	Dissolved	Leachate	200.7	249172
630-31774-4	LEACHATE SUMP 6	Dissolved	Leachate	200.7	249172
630-31774-4	LEACHATE SUMP 6	Total Recoverable	Leachate	200.7 Rev 4.4	248759
630-31774-5	LEACHATE SUMP 7	Dissolved	Leachate	200.7	248584
630-31774-6	LEACHATE SUMP 8	Dissolved	Leachate	200.7	249172
630-31774-6	LEACHATE SUMP 8	Total Recoverable	Leachate	200.7 Rev 4.4	248215
630-31774-7	LEACHATE SUMP 9	Dissolved	Leachate	200.7	248584
630-31774-8	LEACHATE SUMP 10	Dissolved	Leachate	200.7	248584
630-31774-9	LEACHATE SUMP 11	Dissolved	Leachate	200.7	249172
630-31774-9	LEACHATE SUMP 11	Total Recoverable	Leachate	200.7 Rev 4.4	248215
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	200.7	249172
630-31774-13	LEACHATE SUMP 15	Total Recoverable	Leachate	200.7 Rev 4.4	248215
630-31774-14	LEACHATE SUMP 16	Dissolved	Leachate	200.7	248584
MB 410-248215/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	248215

Metals (Continued)

Analysis Batch: 249829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-248584/1-A	Method Blank	Total/NA	Water	200.7	248584
MB 410-248759/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	248759
MB 410-249172/1-A	Method Blank	Total/NA	Water	200.7	249172
LCS 410-248215/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	248215
LCS 410-248584/2-A	Lab Control Sample	Total/NA	Water	200.7	248584
LCS 410-248759/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	248759
LCS 410-249172/2-A	Lab Control Sample	Total/NA	Water	200.7	249172
LCSD 410-248759/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	248759

Analysis Batch: 250181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-3	LEACHATE SUMP 5	Total Recoverable	Leachate	200.7 Rev 4.4	248215
MB 410-248215/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	248215
LCS 410-248215/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	248215

General Chemistry

Analysis Batch: 246724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	Nitrate by calc	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	Nitrate by calc	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	Nitrate by calc	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	Nitrate by calc	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	Nitrate by calc	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	Nitrate by calc	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	Nitrate by calc	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	Nitrate by calc	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	Nitrate by calc	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	Nitrate by calc	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	Nitrate by calc	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	Nitrate by calc	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	Nitrate by calc	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	Nitrate by calc	
630-31774-18	FIELD BLANK	Total/NA	Water	Nitrate by calc	

Analysis Batch: 247581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	SM 2540C	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	SM 2540C	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	SM 2540C	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	SM 2540C	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	SM 2540C	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	SM 2540C	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	SM 2540C	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	SM 2540C	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	SM 2540C	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	SM 2540C	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	SM 2540C	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	SM 2540C	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	SM 2540C	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 247581 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-18	FIELD BLANK	Total/NA	Water	SM 2540C	
MB 410-247581/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 410-247581/2	Lab Control Sample	Total/NA	Water	SM 2540C	
630-31774-1 MS	LEACHATE SUMP 3	Total/NA	Leachate	SM 2540C	
630-31774-1 DU	LEACHATE SUMP 3	Total/NA	Leachate	SM 2540C	
630-31774-6 DU	LEACHATE SUMP 8	Total/NA	Leachate	SM 2540C	

Analysis Batch: 247693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	353.2	247712

Filtration Batch: 247712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	Filtration	

Analysis Batch: 247807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Dissolved	Leachate	353.2	
630-31774-2	LEACHATE SUMP 4	Dissolved	Leachate	353.2	
630-31774-3	LEACHATE SUMP 5	Dissolved	Leachate	353.2	
630-31774-4	LEACHATE SUMP 6	Dissolved	Leachate	353.2	
630-31774-5	LEACHATE SUMP 7	Dissolved	Leachate	353.2	
630-31774-6	LEACHATE SUMP 8	Dissolved	Leachate	353.2	
630-31774-7	LEACHATE SUMP 9	Dissolved	Leachate	353.2	
630-31774-8	LEACHATE SUMP 10	Dissolved	Leachate	353.2	
630-31774-9	LEACHATE SUMP 11	Dissolved	Leachate	353.2	
630-31774-10	LEACHATE SUMP 12	Dissolved	Leachate	353.2	
630-31774-11	LEACHATE SUMP 13	Dissolved	Leachate	353.2	
630-31774-12	LEACHATE SUMP 14	Dissolved	Leachate	353.2	
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	353.2	
630-31774-14	LEACHATE SUMP 16	Dissolved	Leachate	353.2	
630-31774-18	FIELD BLANK	Dissolved	Water	353.2	

Analysis Batch: 248142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Dissolved	Leachate	350.1	
630-31774-2	LEACHATE SUMP 4	Dissolved	Leachate	350.1	
630-31774-3	LEACHATE SUMP 5	Dissolved	Leachate	350.1	
630-31774-4	LEACHATE SUMP 6	Dissolved	Leachate	350.1	
630-31774-5	LEACHATE SUMP 7	Dissolved	Leachate	350.1	
630-31774-6	LEACHATE SUMP 8	Dissolved	Leachate	350.1	
630-31774-7	LEACHATE SUMP 9	Dissolved	Leachate	350.1	
630-31774-8	LEACHATE SUMP 10	Dissolved	Leachate	350.1	
630-31774-9	LEACHATE SUMP 11	Dissolved	Leachate	350.1	
630-31774-10	LEACHATE SUMP 12	Dissolved	Leachate	350.1	
630-31774-11	LEACHATE SUMP 13	Dissolved	Leachate	350.1	
630-31774-12	LEACHATE SUMP 14	Dissolved	Leachate	350.1	
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	350.1	
630-31774-18	FIELD BLANK	Dissolved	Water	350.1	
MB 410-248142/17	Method Blank	Total/NA	Water	350.1	
LCS 410-248142/15	Lab Control Sample	Total/NA	Water	350.1	

General Chemistry (Continued)

Analysis Batch: 248142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-248142/16	Lab Control Sample Dup	Total/NA	Water	350.1	
630-31774-7 MS	LEACHATE SUMP 9	Dissolved	Leachate	350.1	
630-31774-7 DU	LEACHATE SUMP 9	Dissolved	Leachate	350.1	

Analysis Batch: 248165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	SM 2510B	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	SM 2510B	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	SM 2510B	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	SM 2510B	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	SM 2510B	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	SM 2510B	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	SM 2510B	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	SM 2510B	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	SM 2510B	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	SM 2510B	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	SM 2510B	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	SM 2510B	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	SM 2510B	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	SM 2510B	
MB 410-248165/61	Method Blank	Total/NA	Water	SM 2510B	
LCS 410-248165/64	Lab Control Sample	Total/NA	Water	SM 2510B	
630-31774-9 DU	LEACHATE SUMP 11	Total/NA	Leachate	SM 2510B	
630-31774-13 DU	LEACHATE SUMP 15	Total/NA	Leachate	SM 2510B	

Analysis Batch: 248592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-18	FIELD BLANK	Total/NA	Water	SM 2510B	
MB 410-248592/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 410-248592/4	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 248596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	EPA 350.1	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	EPA 350.1	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	EPA 350.1	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	EPA 350.1	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	EPA 350.1	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	EPA 350.1	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	EPA 350.1	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	EPA 350.1	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	EPA 350.1	
MB 410-248596/17	Method Blank	Total/NA	Water	350.1	
LCS 410-248596/15	Lab Control Sample	Total/NA	Water	350.1	
LCSD 410-248596/16	Lab Control Sample Dup	Total/NA	Water	350.1	
630-31774-8 MS	LEACHATE SUMP 10	Total/NA	Leachate	350.1	
630-31774-8 DU	LEACHATE SUMP 10	Total/NA	Leachate	350.1	

Filtration Batch: 248919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	Filtration	

General Chemistry

Analysis Batch: 249035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-14	LEACHATE SUMP 16	Dissolved	Leachate	350.1	
MB 410-249035/17	Method Blank	Total/NA	Water	350.1	
MB 410-249035/52	Method Blank	Total/NA	Water	350.1	
LCS 410-249035/50	Lab Control Sample	Total/NA	Water	350.1	
LCSD 410-249035/51	Lab Control Sample Dup	Total/NA	Water	350.1	

Analysis Batch: 249066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	EPA 350.1	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	EPA 350.1	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	EPA 350.1	
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	EPA 350.1	
630-31774-18	FIELD BLANK	Total/NA	Water	EPA 350.1	
MB 410-249066/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-249066/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-249066/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
630-31774-11 MS	LEACHATE SUMP 13	Total/NA	Leachate	EPA 350.1	
630-31774-11 DU	LEACHATE SUMP 13	Total/NA	Leachate	EPA 350.1	

Analysis Batch: 250027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-13	LEACHATE SUMP 15	Dissolved	Leachate	353.2	248919
MB 410-250027/125	Method Blank	Total/NA	Water	353.2	
MB 410-250027/91	Method Blank	Total/NA	Water	353.2	
LCS 410-250027/123	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-250027/124	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 251531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	EPA 350.1	
MB 410-251531/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-251531/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-251531/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Field Service / Mobile Lab

Analysis Batch: 15210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-1	LEACHATE SUMP 3	Total/NA	Leachate	Field Parameter	
630-31774-2	LEACHATE SUMP 4	Total/NA	Leachate	Field Parameter	
630-31774-3	LEACHATE SUMP 5	Total/NA	Leachate	Field Parameter	
630-31774-4	LEACHATE SUMP 6	Total/NA	Leachate	Field Parameter	
630-31774-5	LEACHATE SUMP 7	Total/NA	Leachate	Field Parameter	
630-31774-6	LEACHATE SUMP 8	Total/NA	Leachate	Field Parameter	
630-31774-7	LEACHATE SUMP 9	Total/NA	Leachate	Field Parameter	
630-31774-8	LEACHATE SUMP 10	Total/NA	Leachate	Field Parameter	
630-31774-9	LEACHATE SUMP 11	Total/NA	Leachate	Field Parameter	
630-31774-10	LEACHATE SUMP 12	Total/NA	Leachate	Field Parameter	
630-31774-11	LEACHATE SUMP 13	Total/NA	Leachate	Field Parameter	
630-31774-12	LEACHATE SUMP 14	Total/NA	Leachate	Field Parameter	
630-31774-13	LEACHATE SUMP 15	Total/NA	Leachate	Field Parameter	

Field Service / Mobile Lab (Continued)

Analysis Batch: 15210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
630-31774-14	LEACHATE SUMP 16	Total/NA	Leachate	Field Parameter	
630-31774-15	LEACHATE SUMP 17 - DRY	Total/NA	Leachate	Field Parameter	
630-31774-16	LEACHATE SUMP 18 - DRY	Total/NA	Leachate	Field Parameter	

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 3
Lab Sample ID: 630-31774-1
Date Collected: 04/21/22 11:40
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 10:44	TQ4J	ELLE
Total/NA	Analysis	8260D		20	251217	05/04/22 03:38	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 03:00	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 04:21	T8CQ	ELLE
Dissolved	Analysis	350.1		100	248142	04/25/22 14:20	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 14:35	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:23	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:19	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:40	CAQ	EETP

Client Sample ID: LEACHATE SUMP 4
Lab Sample ID: 630-31774-2
Date Collected: 04/21/22 11:50
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 11:54	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 04:00	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			248572	04/26/22 15:37	UJLA	ELLE
Dissolved	Analysis	200.7		1	249206	04/27/22 19:00	T8CQ	ELLE
Dissolved	Prep	Non-Digest Prep			248572	04/26/22 15:37	UJLA	ELLE
Dissolved	Analysis	200.7		1	249692	04/28/22 17:43	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 04:30	T8CQ	ELLE
Dissolved	Analysis	350.1		100	248142	04/25/22 14:26	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 14:37	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:23	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:14	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:50	CAQ	EETP

Client Sample ID: LEACHATE SUMP 5
Lab Sample ID: 630-31774-3
Date Collected: 04/21/22 11:20
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 12:17	TQ4J	ELLE
Total/NA	Analysis	8260D		50	251217	05/04/22 04:22	Y6ZN	ELLE

Client Sample ID: LEACHATE SUMP 5
Lab Sample ID: 630-31774-3

Date Collected: 04/21/22 11:20
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 02:54	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	250181	04/29/22 23:58	T8CQ	ELLE
Dissolved	Analysis	350.1		200	248142	04/25/22 14:28	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 14:43	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:23	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:10	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:20	CAQ	EETP

Client Sample ID: LEACHATE SUMP 6
Lab Sample ID: 630-31774-4

Date Collected: 04/21/22 11:30
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 12:40	TQ4J	ELLE
Total/NA	Analysis	8260D		20	251217	05/04/22 04:44	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 03:29	T8CQ	ELLE
Total Recoverable	Prep	200.7			248759	04/27/22 06:33	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 01:16	T8CQ	ELLE
Dissolved	Analysis	350.1		100	248142	04/25/22 14:30	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 14:45	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:13	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:30	CAQ	EETP

Client Sample ID: LEACHATE SUMP 7
Lab Sample ID: 630-31774-5

Date Collected: 04/21/22 11:00
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 13:03	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 05:06	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			248584	04/26/22 15:47	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 01:50	T8CQ	ELLE
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 03:37	T8CQ	ELLE
Dissolved	Analysis	350.1		5	248142	04/25/22 14:32	JCG7	ELLE

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 7
Lab Sample ID: 630-31774-5

Date Collected: 04/21/22 11:00
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		20	248596	04/26/22 14:47	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:20	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:00	CAQ	EETP

Client Sample ID: LEACHATE SUMP 8
Lab Sample ID: 630-31774-6

Date Collected: 04/21/22 11:10
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 13:26	TQ4J	ELLE
Total/NA	Analysis	8260D		50	251217	05/04/22 05:28	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 02:34	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 04:14	T8CQ	ELLE
Dissolved	Analysis	350.1		100	248142	04/25/22 14:34	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 14:49	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:08	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 11:10	CAQ	EETP

Client Sample ID: LEACHATE SUMP 9
Lab Sample ID: 630-31774-7

Date Collected: 04/21/22 14:10
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 13:50	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 05:51	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			248584	04/26/22 15:47	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 01:57	T8CQ	ELLE
Total Recoverable	Prep	200.7			247688	04/23/22 12:23	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 02:03	T8CQ	ELLE
Dissolved	Analysis	350.1		1	248142	04/25/22 14:36	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		1	248596	04/26/22 14:51	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:24	DI9Q	ELLE

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 9
Lab Sample ID: 630-31774-7

Date Collected: 04/21/22 14:10
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 14:10	CAQ	EETP

Client Sample ID: LEACHATE SUMP 10
Lab Sample ID: 630-31774-8

Date Collected: 04/21/22 14:30
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 14:13	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 06:13	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			248584	04/26/22 15:47	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 01:53	T8CQ	ELLE
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 03:57	T8CQ	ELLE
Dissolved	Analysis	350.1		1	248142	04/25/22 14:43	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		1	248596	04/26/22 14:58	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:21	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 14:30	CAQ	EETP

Client Sample ID: LEACHATE SUMP 11
Lab Sample ID: 630-31774-9

Date Collected: 04/21/22 12:15
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 14:36	TQ4J	ELLE
Total/NA	Analysis	8260D		50	251217	05/04/22 06:35	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 03:03	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 04:46	T8CQ	ELLE
Dissolved	Analysis	350.1		200	248142	04/25/22 14:45	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	248596	04/26/22 15:04	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:05	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 12:15	CAQ	EETP

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 12
Lab Sample ID: 630-31774-10
Date Collected: 04/21/22 12:30
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 15:00	TQ4J	ELLE
Total/NA	Analysis	8260D		20	251217	05/04/22 06:57	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			247929	04/25/22 08:33	UJLA	ELLE
Dissolved	Analysis	200.7		1	249508	04/28/22 10:53	WBK6	ELLE
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 03:54	T8CQ	ELLE
Dissolved	Analysis	350.1		5	248142	04/25/22 14:51	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		5	251531	05/04/22 11:39	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:26	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 12:30	CAQ	EETP

Client Sample ID: LEACHATE SUMP 13
Lab Sample ID: 630-31774-11
Date Collected: 04/21/22 12:50
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 15:23	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 07:19	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			247954	04/25/22 09:34	UJLA	ELLE
Dissolved	Analysis	200.7		1	249099	04/27/22 15:27	WBK6	ELLE
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 04:03	T8CQ	ELLE
Dissolved	Analysis	350.1		5	248142	04/25/22 14:53	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		1	249066	04/27/22 12:53	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:11	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 12:50	CAQ	EETP

Client Sample ID: LEACHATE SUMP 14
Lab Sample ID: 630-31774-12
Date Collected: 04/21/22 13:10
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 15:46	TQ4J	ELLE
Total/NA	Analysis	8260D		20	251217	05/04/22 07:41	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			247954	04/25/22 09:34	UJLA	ELLE
Dissolved	Analysis	200.7		1	249099	04/27/22 15:18	WBK6	ELLE

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: LEACHATE SUMP 14
Lab Sample ID: 630-31774-12

Date Collected: 04/21/22 13:10
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 04:00	T8CQ	ELLE
Dissolved	Analysis	350.1		1	248142	04/25/22 14:55	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		1	249066	04/27/22 12:59	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:27	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 13:10	CAQ	EETP

Client Sample ID: LEACHATE SUMP 15
Lab Sample ID: 630-31774-13

Date Collected: 04/21/22 13:30
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		20	247737	04/24/22 16:09	TQ4J	ELLE
Total/NA	Analysis	8260D		100	251217	05/04/22 08:03	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			249172	04/27/22 19:00	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 03:10	T8CQ	ELLE
Total Recoverable	Prep	200.7			248215	04/25/22 20:46	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	249829	04/29/22 04:53	T8CQ	ELLE
Dissolved	Analysis	350.1		200	248142	04/25/22 14:57	JCG7	ELLE
Dissolved	Filtration	Filtration			248919	04/27/22 09:54	CBM8	ELLE
Dissolved	Analysis	353.2		1	250027	04/29/22 10:54	CBM8	ELLE
Dissolved	Analysis	353.2		1	247693	04/23/22 11:59	P684	ELLE
Dissolved	Filtration	Filtration			247712	04/23/22 13:24	P684	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		200	249066	04/27/22 13:01	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:02	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 13:30	CAQ	EETP

Client Sample ID: LEACHATE SUMP 16
Lab Sample ID: 630-31774-14

Date Collected: 04/21/22 13:50
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 16:33	TQ4J	ELLE
Total/NA	Analysis	8260D		20	251217	05/04/22 08:25	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			248584	04/26/22 15:47	UJLA	ELLE
Dissolved	Analysis	200.7		1	249829	04/29/22 01:41	T8CQ	ELLE

Client Sample ID: LEACHATE SUMP 16
Lab Sample ID: 630-31774-14

Date Collected: 04/21/22 13:50
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 03:50	T8CQ	ELLE
Dissolved	Analysis	350.1		5	249035	04/27/22 13:05	JCG7	ELLE
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		2	249066	04/27/22 13:55	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248165	04/25/22 17:23	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 13:50	CAQ	EETP

Client Sample ID: LEACHATE SUMP 17 - DRY
Lab Sample ID: 630-31774-15

Date Collected: 04/21/22 00:00
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 00:00	CAQ	EETP

Client Sample ID: LEACHATE SUMP 18 - DRY
Lab Sample ID: 630-31774-16

Date Collected: 04/21/22 00:00
Matrix: Leachate
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Parameter		1	15210	04/21/22 00:00	CAQ	EETP

Client Sample ID: TRIP BLANK
Lab Sample ID: 630-31774-17

Date Collected: 04/21/22 08:00
Matrix: Water
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 08:49	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 02:54	Y6ZN	ELLE

Client Sample ID: FIELD BLANK
Lab Sample ID: 630-31774-18

Date Collected: 04/21/22 10:45
Matrix: Water
Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	247737	04/24/22 09:12	TQ4J	ELLE
Total/NA	Analysis	8260D		1	251217	05/04/22 03:16	Y6ZN	ELLE
Dissolved	Prep	Non-Digest Prep			247954	04/25/22 09:34	UJLA	ELLE
Dissolved	Analysis	200.7		1	249099	04/27/22 15:30	WBK6	ELLE
Total Recoverable	Prep	200.7			247686	04/23/22 12:13	UAMX	ELLE
Total Recoverable	Analysis	200.7 Rev 4.4		1	248317	04/26/22 04:07	T8CQ	ELLE
Dissolved	Analysis	350.1		1	248142	04/25/22 15:01	JCG7	ELLE

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Client Sample ID: FIELD BLANK
Lab Sample ID: 630-31774-18

Date Collected: 04/21/22 10:45
Matrix: Water

Date Received: 04/21/22 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	353.2		1	247807	04/25/22 03:25	USJM	ELLE
Total/NA	Analysis	EPA 350.1		1	249066	04/27/22 13:05	JCG7	ELLE
Total/NA	Analysis	Nitrate by calc		1	246724	04/22/22 16:32	USJM	ELLE
Total/NA	Analysis	SM 2510B		1	248592	04/26/22 15:33	DI9Q	ELLE
Total/NA	Analysis	SM 2540C		1	247581	04/22/22 17:09	UOCA	ELLE

Laboratory References:

EETP = Eurofins Environment Testing Philadelphia, LLC, 213 Witmer Road, Horsham, PA 19044-0962, TEL (215)355-3900

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Laboratory: Eurofins Environment Testing Philadelphia, LLC

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

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA093 (Horsham)	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
Field Parameter		Leachate	Depth to Water from Top of Casing

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
353.2		Leachate	Nitrate, Dissolved
353.2		Water	Nitrate, Dissolved
Nitrate by calc		Leachate	Nitrate as N
Nitrate by calc		Water	Nitrate as N

Method Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	ELLE
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
200.7	Dissolved Metals	EPA	ELLE
200.7 Rev 4.4	Metals (ICP)	EPA	ELLE
350.1	Nitrogen, Ammonia	MCAWW	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	ELLE
353.2	Nitrogen, Nitrite	MCAWW	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	ELLE
SM 2510B	Conductivity, Specific Conductance	SM	ELLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	ELLE
Field Parameter	Field Parameters	EPA	EETP
200.7	Preparation, Total Recoverable Metals	EPA	ELLE
5030C	Purge and Trap	SW846	ELLE
Filtration	Sample Filtration	None	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater ", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EETP = Eurofins Environment Testing Philadelphia, LLC, 213 Witmer Road, Horsham, PA 19044-0962, TEL (215)355-3900

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-31774-1
Project/Site: Semi-Annual Landfill Leachate Sumps

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
630-31774-1	LEACHATE SUMP 3	Leachate	04/21/22 11:40	04/21/22 17:00
630-31774-2	LEACHATE SUMP 4	Leachate	04/21/22 11:50	04/21/22 17:00
630-31774-3	LEACHATE SUMP 5	Leachate	04/21/22 11:20	04/21/22 17:00
630-31774-4	LEACHATE SUMP 6	Leachate	04/21/22 11:30	04/21/22 17:00
630-31774-5	LEACHATE SUMP 7	Leachate	04/21/22 11:00	04/21/22 17:00
630-31774-6	LEACHATE SUMP 8	Leachate	04/21/22 11:10	04/21/22 17:00
630-31774-7	LEACHATE SUMP 9	Leachate	04/21/22 14:10	04/21/22 17:00
630-31774-8	LEACHATE SUMP 10	Leachate	04/21/22 14:30	04/21/22 17:00
630-31774-9	LEACHATE SUMP 11	Leachate	04/21/22 12:15	04/21/22 17:00
630-31774-10	LEACHATE SUMP 12	Leachate	04/21/22 12:30	04/21/22 17:00
630-31774-11	LEACHATE SUMP 13	Leachate	04/21/22 12:50	04/21/22 17:00
630-31774-12	LEACHATE SUMP 14	Leachate	04/21/22 13:10	04/21/22 17:00
630-31774-13	LEACHATE SUMP 15	Leachate	04/21/22 13:30	04/21/22 17:00
630-31774-14	LEACHATE SUMP 16	Leachate	04/21/22 13:50	04/21/22 17:00
630-31774-15	LEACHATE SUMP 17 - DRY	Leachate	04/21/22 00:00	04/21/22 17:00
630-31774-16	LEACHATE SUMP 18 - DRY	Leachate	04/21/22 00:00	04/21/22 17:00
630-31774-17	TRIP BLANK	Water	04/21/22 08:00	04/21/22 17:00
630-31774-18	FIELD BLANK	Water	04/21/22 10:45	04/21/22 17:00

EQC Picksheet: P7287708
Eurofins QC, LLC Cust: Y01307
Schd: 13236

MICHAEL M. FRISKO
CAPE MAY COUNTY UTILITIES AUTHORITY
1306 MOORE ROAD
7 MILE PLANT
CAPE MAY COURT HOUSE, NJ 08210
(609)465-8410 x2228
(609)846-6822 Michael Frisko's cell
(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)
Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

PWSID:

630-31774 Chain of Custody

LAB USE ONLY

		Bottle Type	
#_____	Ascorbic/HCL Vials	#_____	HCL Vi
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____	1 1/2pt	1 1/2pt dis
#_____	H2SO4 pH _____	1 1/2pt	1 1/2pt dis
#_____	NaOH pH _____		
#_____	Unpreserved	1 qt	1 1/2pt dis 1 1/2pt
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	DW	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L	
7287708-1 LANDFILL, LEACHATE SUMP 3 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN 624 REPORT ONLY EDB, 123TCP, DBCP 8260 LIST (SEE L6949175) FIELD WORK CODE: _____					8.2	4-21-22	1140	13					
7287708-2 LEACHATE SUMP 4 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN FIELD WORK CODE: _____					8.7		1150	13					
7287708-3 LEACHATE SUMP 5 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN FIELD WORK CODE: _____					0.3		1120	13					

Cooler ID:

Sample Collected By	Circle One	Initials
	Client EQC	

Required TAT: Standard ___/Rush___# Days _____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
	1700	4-21-22		1700	4-21-22	3°	X		

Comments (reporting, methods, etc)
Lab-Comp

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

EQC Picksheet: P7287708
Eurofins QC, LLC Cust: Y01307
Schd: 13236

MICHAEL M. FRISKO
CAPE MAY COUNTY UTILITIES AUTHORITY
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(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)
Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

PWSID:

LAB USE ONLY

		Bottle Type	
#_____	Ascorbic/HCL Vials	#_____	HCL Vials
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____		
#_____	H2SO4 pH _____		
#_____	NaOH pH _____		
#_____	Unpreserved		
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L	
7287708-4 LEACHATE SUMP 6 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					3.7	4.21.22	1130	13				
7287708-5 LEACHATE SUMP 7 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					27.4		1100	13				
7287708-6 LEACHATE SUMP 8 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					293		1110	13				

Cooler ID:

Sample Collected By	Circle One	Initials
	Client EQC	CG

Required TAT: Standard ___/Rush___# Days _____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
[redacted]	1708	4.21.22	[redacted]	1700	4.21.22	2.8	Y	RC	CG

Comments (reporting, methods, etc)

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

EQC Eurofins QC. LLC

Picksheet: P7287708
Cust: Y01307
Schd: 13236

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

MICHAEL M. FRISKO
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(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)
Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

PWSID:

LAB USE ONLY

		Bottle Type	
#_____	Ascorbic/HCL Vials	#_____	HCL Vials
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____		
#_____	H2SO4 pH _____		
#_____	NaOH pH _____		
#_____	Unpreserved		
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L
7287708-7 LEACHATE SUMP 9 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					~~9.4~~ 9.4	4.21.22	1410	13					
7287708-8 LEACHATE SUMP 10 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					24.1		1433	13					
7287708-9 LEACHATE SUMP 11 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					14.6		1215	13					

Cooler ID:

Sample Collected By	Circle One	Initials
[signature]	Client (EQC)	[initials]

Required TAT: Standard ___/Rush___# Days _____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
[signature]	1700	4-21-22	[signature]	1700	4-21-22	3.0	Y	[site]	[initials]

Comments (reporting, methods, etc)

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

EQC Eurofins QC, LLC

Picksheet: P7287708
Cust: Y01307
Schd: 13236

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

MICHAEL M. FRISKO
CAPE MAY COUNTY UTILITIES AUTHORITY
1306 MOORE ROAD
7 MILE PLANT
CAPE MAY COURT HOUSE, NJ 08210
(609)465-8410 x2228
(609)846-6822 Michael Frisko's cell
(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)
Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

PWSID:

LAB USE ONLY

		Bottle Type	
#_____	Ascorbic/HCL Vials	#_____	HCL Vials
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____		
#_____	H2SO4 pH _____		
#_____	NaOH pH _____		
#_____	Unpreserved		
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L	
7287708-10 LEACHATE SUMP 12 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					15.0	4.21.22	1230	13				
7287708-11 LEACHATE SUMP 13 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					14.3		~~1250~~ 1250	13				
7287708-12 LEACHATE SUMP 14 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					10.3		1310	13				

Cooler ID:

Sample Collected By	Circle One	Initials
[redacted]	Client EQC	[redacted]

Required TAT: Standard ___/Rush___# Days ____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
[redacted]	1700	4.21.22	[redacted]	1700	4.21.22	3.0	X	EQC	[redacted]

Comments (reporting, methods, etc)

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

EQC Eurofins QC, LLC

Picksheet: P7287708
Cust: Y01307
Schd: 13236

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

MICHAEL M. FRISKO
CAPE MAY COUNTY UTILITIES AUTHORITY
1306 MOORE ROAD
7 MILE PLANT
CAPE MAY COURT HOUSE, NJ 08210
(609)465-8410 x2228
(609)846-6822 Michael Frisko's cell
(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)
Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

PWSID:

LAB USE ONLY

#_____	Ascorbic/HCL Vials	#_____	HCL Vials
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____		
#_____	H2SO4 pH _____		
#_____	NaOH pH _____		
#_____	Unpreserved		
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Bottle Type

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L	
7287708-13 LEACHATE SUMP 15 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					9.2	4.21.22	1330	13					
7287708-14 LEACHATE SUMP 16 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					7.4		1350	13					
7287708-15 LEACHATE SUMP 17A, B,C COMPOSITE 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COMPOSITE FEE, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] 17A,17B,17C - LAB TO COMPOSITE INTO ONE SAMPLE FIELD WORK CODE: _____					Ø		Ø	X3 DW					

Cooler ID:

Sample Collected By	Circle One	Initials
	Client EQC	

Required TAT: Standard ___/Rush___# Days ____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
	1200	4-21-22		1700	4.21.22	3.0	Y	EC	

Comments (reporting, methods, etc)
17,18 DW

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

EQC Eurofins QC, LLC

Picksheet: P7287708
Cust: Y01307
Schd: 13236

Expected: THURSDAY 04/07/22 - 04/30/22
Project Name: CAPE MAY COUNTY UTILITIES AUTH LANDFILL
Start Date: 02/02/20 Stop Date:
Comments/Schedule Details:
MUST SAMPLE APRIL AND OCTOBER - CALL MIKE FRISKO A WEEK PRIOR TO CONFIRM ACCESS (609-465-9026)

MICHAEL M. FRISKO
CAPE MAY COUNTY UTILITIES AUTHORITY
1306 MOORE ROAD
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(609)425-5158 EMILY ZIDANIC (LAB MANAGER)
(609)465-9026 EILEEN (BILLING)

Route: 60 DAN NESKO LANDFILLS / DISCHARGES, ETC.

PWSID:

LAB USE ONLY

#_____	Ascorbic/HCL Vials	#_____	HCL Vials
#_____	NA2S2O3		
#_____	NaOH/Zn acetate pH _____		
#_____	HNO3 pH _____		
#_____	H2SO4 pH _____		
#_____	NaOH pH _____		
#_____	Unpreserved		
#_____	HCL		
#_____	NH4CL		
#_____	MEOH		
#_____	Na2SO3/HCL		
#_____	DI Water		

Bottle Type

Field Tests By: _____ /Time: _____

	Pseudo	HPC	eColi	Coli	Collection Date	Collection Time (Military)	Total # Bottles	Free Cl2 mg/L	pH/TempC	BR2 YES/NO	Total CL2 mg/L	
7287708-16 LEACHATE SUMP 18A,B, C COMPOSITE 05-SAMP FLD, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COMPOSITE FEE, COND, COND FIELD, CR, CU, DEPTH WATER TABLE, FORM STATE, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					Ø	Ø	Ø	3				
7287708-17 TRIP BLANK 00-BLANK, 624, 8260+LS [redacted] FIELD WORK CODE: _____					Ø	4-21-22	8:00	4				
7287708-18 FIELD BLANK 00-BLANK, 624, 8260+LS, AG, AG DIS, AS, AS DIS, BA, BA DIS, BE, CD, CO, COND, COND FIELD, CR, CU, NH3, NH3 DIS, NI, NO3, NO3 DIS, PB, SB, SE, SE DIS, TDS, TL, V, ZN [redacted] FIELD WORK CODE: _____					Ø		1045	13				

Cooler ID:

Sample Collected By	Circle One	Initials
	Client EQC	

Required TAT: Standard ___/Rush___# Days _____

Relinquished By	Time	Date	Received By	Time	Date	Temp	Iced Y/N	Site	Initials
	1700	4/21/22		1700	4.21.22	32	Y	EQC	

Comments (reporting, methods, etc)
18 PVT

Hazardous Y/N

M: 07:00-18:00 T: 07:00-18:00 W: 07:00-18:00 Th: 07:00-18:00 F: 07:00-18:00 St: - Sn: - Printed: 03/20/22 GPS X: -74.79028 Y: 39.12301
M: - T: - W: - Th: - F: - St: - Sn: -
PM: LORRAINE

Eurofins Environment Testing Philadelphia
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-7570.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 1 of 4
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-31774-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/4/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Semi-Annual Landfill Leachate Sumps	Project #: 63001619			
Site: Cape May Country MUA Landfill	SSOW#:			

Analysis Requested

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

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate_Calc	624.1_PREC/624_Prep_7D (MOD) PPL	8260D/5030C (MOD) Appendix IX Volatiles	2510B	2540C_Calcd	350.1/FIELD_FLTRD Dissolved Ammonia	350.1	353.2_Nitrite/FIELD_FLTRD	353.2_Nitrite	353.2_Pres/FIELD_FLTRD	353.2_Pres	200.7/FIELD_FLTRD (MOD) Dissolved Metals	200.7/200.7_P_TR (MOD) Total Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
LEACHATE SUMP 3 (630-31774-1)	4/21/22	11:40 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 4 (630-31774-2)	4/21/22	11:50 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 5 (630-31774-3)	4/21/22	11:20 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 6 (630-31774-4)	4/21/22	11:30 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 7 (630-31774-5)	4/21/22	11:00 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 8 (630-31774-6)	4/21/22	11:10 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 9 (630-31774-7)	4/21/22	14:10 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 10 (630-31774-8)	4/21/22	14:30 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 11 (630-31774-9)	4/21/22	12:15 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Philadelphia, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Philadelphia, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Philadelphia, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Philadelphia, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 4/21/2022 1900	Company: EuC	Received by: XMAS, Jwd, 48, ER2319	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/21/22 2329	Company: ELUET

Custody Seals Intact: ☑ Yes ☐ No	Custody Seal No.: ER2319, XMAS, Jwd, 48	Cooler Temperature(s) °C and Other Remarks: 0.3, 1.1, 1.6, 0.6

Ver: 06/08/2021

Eurofins Environment Testing Philadelphia
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-7570.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 2 of 4
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-31774-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/4/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Semi-Annual Landfill Leachate Sumps	Project #: 63001619			
Site: Cape May Country MUA Landfill	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate_Calc/FIELD_FLTRD	353.2_Nitrite/Filtration_WC	353.2_Prep/Filtration_WC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
LEACHATE SUMP 3 (630-31774-1)	4/21/22	11:40 Eastern		Water			X			13	
LEACHATE SUMP 4 (630-31774-2)	4/21/22	11:50 Eastern		Water			X			13	
LEACHATE SUMP 5 (630-31774-3)	4/21/22	11:20 Eastern		Water			X			13	
LEACHATE SUMP 6 (630-31774-4)	4/21/22	11:30 Eastern		Water			X			13	
LEACHATE SUMP 7 (630-31774-5)	4/21/22	11:00 Eastern		Water			X			13	
LEACHATE SUMP 8 (630-31774-6)	4/21/22	11:10 Eastern		Water			X			13	
LEACHATE SUMP 9 (630-31774-7)	4/21/22	14:10 Eastern		Water			X			13	
LEACHATE SUMP 10 (630-31774-8)	4/21/22	14:30 Eastern		Water			X			13	
LEACHATE SUMP 11 (630-31774-9)	4/21/22	12:15 Eastern		Water			X			13	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Philadelphia, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Philadelphia, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Philadelphia, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Philadelphia, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/21/22 23:25	Company ELLET

Custody Seals Intact: ✓ Yes Δ No	Custody Seal No.: ER2319, XMAS, Jund 48	Cooler Temperature(s) °C and Other Remarks: 0.3, 1.6, 1.6, 0.6

Ver: 06/08/2021

Eurofins Environment Testing Philadelphia
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-7570.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 3 of 4
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-31774-1
Address: 2425 New Holland Pike, .	Due Date Requested: 5/4/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Semi-Annual Landfill Leachate Sumps	Project #: 63001619			
Site: Cape May Country MUA Landfill	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate_Calc	624.1_PREC/624_Prep_7D (MOD) PPL	8260D/5030C (MOD) Appendix IX Volatiles	2510B	2540C_Calcd	350.1/FIELD_FLTRD Dissolved Ammonia	350.1	353.2_Nitrite/FIELD_FLTRD	353.2_Nitrite	353.2_Pres/FIELD_FLTRD	353.2_Pres	200.7/FIELD_FLTRD (MOD) Dissolved Metals	200.7/200.7_P_TR (MOD) Total Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
LEACHATE SUMP 12 (630-31774-10)	4/21/22	12:30 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 13 (630-31774-11)	4/21/22	12:50 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 14 (630-31774-12)	4/21/22	13:10 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
LEACHATE SUMP 15 (630-31774-13)	4/21/22	13:30 Eastern		Water			X	X	X	X	X	X	X		X		X	X	X	13	
LEACHATE SUMP 16 (630-31774-14)	4/21/22	13:50 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	
TRIP BLANK (630-31774-17)	4/21/22	08:00 Eastern		Water				X	X											4	
FIELD BLANK (630-31774-18)	4/21/22	10:45 Eastern		Water			X	X	X	X	X	X	X	X	X	X	X	X	X	13	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Philadelphia, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Philadelphia, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Philadelphia, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Philadelphia, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/21/22 23:29	Company EAET

Custody Seals Intact: ☑ Yes ☐ No	Custody Seal No.: EP2319, XMAS, Jund 48	Cooler Temperature(s) °C and Other Remarks: 0.3, 1.6, 1.6, 0.6

Ver: 06/08/2021

Eurofins Environment Testing Philadelphia
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-7570.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@et.eurofinsus.com	State of Origin: New Jersey	Page: Page 4 of 4
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-31774-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 5/4/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Semi-Annual Landfill Leachate Sumps	Project #: 63001619			
Site: Cape May Country MUA Landfill	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Nitrate_Calc/FIELD_FLTRD	353.2_Nitrite/Filtration_WC	353.2_Prep/Filtration_WC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
LEACHATE SUMP 12 (630-31774-10)	4/21/22	12:30 Eastern		Water			X			13	
LEACHATE SUMP 13 (630-31774-11)	4/21/22	12:50 Eastern		Water			X			13	
LEACHATE SUMP 14 (630-31774-12)	4/21/22	13:10 Eastern		Water			X			13	
LEACHATE SUMP 15 (630-31774-13)	4/21/22	13:30 Eastern		Water			X	X	X	13	
LEACHATE SUMP 16 (630-31774-14)	4/21/22	13:50 Eastern		Water			X			13	
TRIP BLANK (630-31774-17)	4/21/22	08:00 Eastern		Water						4	
FIELD BLANK (630-31774-18)	4/21/22	10:45 Eastern		Water			X			13	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Philadelphia, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Philadelphia, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Philadelphia, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Philadelphia, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4/21/22 23:25	Company ECLET

Custody Seals Intact: ▲ Yes ▲ No	Custody Seal No.: ER2319, XMAS, 48, Jund	Cooler Temperature(s) °C and Other Remarks: 0.3, 1.6, 1.6, 0.6

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-31774-1

Login Number: 31774

List Source: Eurofins Environment Testing Philadelphia, LLC

List Number: 1

Creator: Minster, Will

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

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-31774-1

Login Number: 31774
List Number: 2
Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 04/21/22 07:07 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.