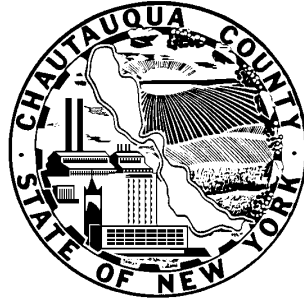


Appendix I

Chautauqua County Landfill 2023 Annual Report



CHAUTAUQUA COUNTY
DEPARTMENT OF PUBLIC FACILITIES

6NYCRR PART 360 REPORT
ANNUAL REPORT - 2023

January 2024

PREPARED BY

Barton & Loguidice
11 Center Park Suite 203
Rochester, NY 14614

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FORM REPORT

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ANNUAL/QUARTERLY REPORT

- A. This MSW, Industrial or Ash Landfill Report is for the year of operation from January 01, 2023 to December 31, 2023
 B. Quarterly Report for: Quarter 1 Quarter 2 Quarter 3 Quarter 4

SECTION 1 – FACILITY INFORMATION

FACILITY INFORMATION				
FACILITY NAME: Chautauqua County Landfill				
FACILITY LOCATION ADDRESS: 3889 Towerville Road		FACILITY CITY: Jamestown		STATE: NY
FACILITY TOWN: Ellery		FACILITY COUNTY: Chautauqua		ZIP CODE: 14701
FACILITY NYS PLANNING UNIT: Chautauqua County			NYSDEC REGION #: Nine (9)	
360 PERMIT #: 9-0636-00006/00013	DATE ISSUED: 7-Oct-15	DATE EXPIRES: 6-Oct-25	NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER: 07S12	
FACILITY CONTACT: Bryan Mentley				
☒ public ☐ private		CONTACT PHONE NUMBER: 716-661-8452		CONTACT FAX NUMBER: 716-985-4981
CONTACT EMAIL ADDRESS: MentleyB@chqgov.com				
OWNER INFORMATION				
OWNER NAME: Chautauqua County		OWNER PHONE NUMBER: 716-753-4211		OWNER FAX NUMBER: 716-753-4756
OWNER ADDRESS: Gerace Office Building		OWNER CITY: Mayville		STATE: NY
OWNER CONTACT: Aaron R. Gustafson		OWNER CONTACT EMAIL ADDRESS: GustafsA@chqgov.com		
OWNER CONTACT ZIP CODE: 14757				
OPERATOR INFORMATION				
OPERATOR NAME: ☒ same as owner		☒ public ☐ private		OPERATOR PHONE NUMBER: 716-661-8464
		OPERATOR FAX NUMBER: 716-985-4981		
OPERATOR EMAIL ADDRESS: MentleyB@chqgov.com				
Preferred address to receive correspondence: ☒ Facility location address ☐ Owner address ☐ Other				
Preferred email address: ☒ Contact ☐ Operator ☐ Other				

Did you operate in 2023? ☒ Yes; Complete this form.

o No; Complete and submit Sections 1 and 23. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, also complete the "Inactive Solid Waste Management Facility or Activity Notification Form" located at:
<http://www.ded.ny.gov/chemical/52706.html>.

SECTION 2 - SITE LIFE

1. Landfill Capacity Utilized last Year (reporting year).

a. What is the estimated landfill capacity that was utilized during the reporting year?
281,000 Cubic Yards of Airspace

b. What is the estimated in-situ waste density for the reporting year?
0.71 Tons/Cubic Yard

* Current disposal rate: 815 TPD x 257 D/Y = 209,356 TPY

2. Remaining Constructed Capacity.

a. What is the remaining capacity of the landfill that is already constructed?
2,848,126 Cubic Yards of Airspace

b. What is the estimated remaining life of the constructed capacity?

10 Years 1 Months

at 209,356 Tons/Year.*

* Please note that this tonnage rate must include all materials placed in the landfill, i.e., waste, soil, cover, alternate daily covers, etc.

c. The tonnage rate reported under 2.b. is based on (select one):

☒ X The amount of materials placed in the landfill in the reporting year

☐ Estimated future disposal

☐ Permit Limit

Other (explain): (Section 2 derived from modeling of landfill survey & scaled tonnage from 10/12/12 to 10/31/13)

3. Permitted Capacity Still to be Constructed.

a. What is the remaining but not yet constructed landfill capacity that is authorized by a Part 360 permit?

9,083,000 Cubic Yards of Airspace

b. What is the projected life of capacity reported in 3.a?

15 Years 7 Months

at 408,000 Tons/Year.*

*Please note that this tonnage rate must include all materials disposed in the landfill, i.e., waste, and soil and alternative daily covers.

c. The tonnage rate reported under 3.b. based on (select one):

☐ The amount of materials placed in the landfill in the reporting year

☐ Estimated future disposal

☒ X Permit Limit

Other (explain): _____

4. Capacity Proposed in a Part 360 Permit Application.

What is the capacity of any expansion proposed in a Part 360 permit application that has been submitted to the Department but not authorized by a permit as of the end of the reporting period?

NONE Cubic Yards of Airspace

5. Estimated Potential Future Capacity Not Permitted or in an Application. (optional)

What is the estimated capacity of any potential future expansion at the facility that is not yet authorized by a permit or proposed in a Part 360 permit application that has been submitted to the Department?

NONE Cubic Yards of Airspace

SECTION 3 - PRIMARY LEACHATE

Name of off-site leachate treatment facility(s) utilized: Jamestown Waste Water Treatment

Does the facility have a constructed liner and a leachate collection system? X Yes ___ No

Enter the quantity of primary leachate that was collected, removed for on-site and off-site treatment, and re-circulated each month, and the corresponding **Acreage, by Cell**: (Note: For double-lined landfills this should not include the volume of leachate collected from secondary leachate collection and removal systems.)

PRIMARY LEACHATE COLLECTED (GALLONS)							
	Phase I	Phase II	Phase III	Phase III	Phase I Exp.	Phase IV	
		Stage 1,2,3	Stage 1	Stage 2,3	Cells A, B, C	Stage 1	Total
	34.0 Acres	30.9 Acres	4.5 Acres	14.9 Acres	11.3 Acres	14.7	99 Acres
January	217,194	434,700	830,933	82,580	114,082	464,257	2,143,746
February	180,718	355,700	5,107	64,680	103,056	346,897	1,036,158
March	320,072	362,475	43,561	89,960	1,254,970	357,495	2,428,533
April	189,533	298,800	20,611	52,752	896,458	482,276	1,940,430
May	151,186	278,550	209,640	38,430	974,250	304,405	1,956,461
June	95,684	256,950	113,957	12,650	771,430	372,806	1,623,477
July	67,194	230,175	447,482	9,710	611,700	413,919	1,780,180
August	61,439	314,550	28,921	23,520	346,910	208,480	983,820
September	70,886	193,725	13,852	13,410	441,100	43,337	776,310
October	111,559	208,125	852	16,190	904,950	387,472	1,629,148
November	134,317	202,725	467	22,150	894,430	206,161	1,460,250
December	219,112	323,325	2,433	46,620	1,076,680	569,892	2,238,062
Totals	1,818,894	3,439,800	1,717,816	472,652	8,390,016	4,157,397	19,996,575

There was no primary or secondary leachate treated on site.

LEACHATE RECIRCULATED (GALLONS)						
	Phase I	Phase II	Phase III	Phase I Exp.	Phase IV	
		Stage 1,2,3	Stage 1,2,3	Cells A, B, C	Stage 1	Total
	34.0 Acres	30.9 Acres	19.4 Acres	11.3 Acres	14.7	99.0 Acres
January	0	0	0	0	0	0
February	0	0	0	0	0	0
March	0	0	0	0	0	0
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	0	0	0	0	0	0
October	0	0	0	0	0	0
November	0	0	0	0	0	0
December	0	0	0	0	0	0
Totals	0	0	0	0	0	0

Submit (attached to this form) a copy of the maintenance logs which document compliance with the Operation and Maintenance Manual's schedule for the routine annual flushing and inspection of the primary leachate collection and removal system. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:

See Appendix A – Semi-annual flushing of Primary Leachate Collection System.

Submit (attached to this form) a tabulated compilation of the semi-annual primary leachate quality data collected throughout the year including a summary comparing this year's data with the previous year's data and a summary discussion of results. This list should identify sample location(s) and method of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:

See Appendix B – Primary Leachate.

SECTION 4 - SECONDARY LEACHATE

Does landfill have a double liner system with a secondary leachate collection and removal system? X Yes ____ No

Submit (attached to this form) a tabulated compilation of the semi-annual secondary leachate quality data collected throughout the year including a summary comparing this year's data with the previous year's data and a summary discussion of results. This list should identify sample location(s) and method of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:

See Appendix C – Secondary Leachate Data.

Leachate Cost: (including transportation if appropriate) during the calendar year for leachate treatment: \$152,387.12

Total quantity treated: 19,713,728 gal

Enter the quantity of secondary leachate that was collected, removed for on-site and off-site treatment, and re-circulation each month, and the corresponding **Acreage, by Cell**:

SECONDARY LEACHATE COLLECTED (GALLONS)						
	Phase II	Phase III	Phase III	Phase I Exp.	Phase IV	
	Stage 1,2,3	Stage 1	Stage 2,3	Cell C	Stage 1	Total
	30.9 Acres	4.5 Acres	14.9 Acres	3.25 Acres	14.7 Acres	68.25 Acres
January	12,611	2,734	0	2,957	5,173	23,475
February	8,311	2,913	36	2,127	4,562	17,949
March	10,934	3,524	3,341	2,613	5,297	25,709
April	4,796	2,590	1,597	2,000	4,109	15,092
May	3,321	1,475	652	1,900	4,437	11,785
June	167	144	145	1,506	4,320	6,282
July	127	108	272	1,464	4,643	6,614
August	150	72	274	1,421	3,110	5,027
September	97	0	123	1,250	2,399	3,869
October	2,636	899	270	1,351	1,713	6,869
November	8,349	2,050	107	1,437	1,714	13,657
December	28,401	3,238	6	1,032	3,019	35,696
Totals	79,900	19,747	6,823	21,058	44,496	172,024

There was no secondary leachate treated on site. Primary and Secondary leachate are combined when pumped into the leachate holding pond. Re-circulated leachate is hauled from the pond. See re-circulated Primary leachate for volume.

LEACHATE TREATED OFF SITE (GALLONS)		
		Total
		99 Acres
January	Leachate from the Phase I/III impoundment and Phase II impoundment are transferred to the Jamestown Waste Water Treatment Plant.	2,160,897
February		2,321,465
March		2,507,846
April		1,967,462
May		1,720,666
June		1,461,605
July	NOTE: Leachate collected does not equal leachate treated due to evaporation, precipitation, measurement precision and changes in storage.	853,773
August		743,363
September		1,458,750
October		644,963
November		779,463
December		3,093,475
Totals		19,713,728

SECTION 5 – ALTERNATIVE OPERATING COVER MATERIALS & WASTES USED IN LANDFILL CONSTRUCTION

For each type of waste that the Department has approved for use as alternate daily cover, intermediate cover, or other landfill material, provide the annual weight in tons, use (i.e., daily cover, intermediate cover, etc.), and source of material. (If material is from a solid waste facility, also provide facility name, address, NYS Planning Unit, County / Province, and State / Country.) **Refer to the list of NYS Planning Units that can be found at the end of this report.**

Type of Solid Waste	Weight (tons/year)	Use	NYS Planning Unit	County or Province	State or Country	Source (Facility and Location)
Aggregate / Concrete	0					
Contaminated Soil	2,122	Daily Cover	Various	Various		
Foundry Sand	0	Daily Cover	Various	Various		
Glass	0	Daily Cover	Various	Various		
Industrial Waste (specify)	0					
	0					
	0					
	0					
MSW/Wood Ash	0					
Paper Mill Sludge	0					
Processed C&D	14,452	Daily Cover	Various	Various		
Shredder Fluff	0					
Tire Chips	0					
Wood/Wood Chips	1,289					
Other (Coal Ash)	10	Daily Cover	Various	Various		
	0					
Total ADC	17,872					
Total Beneficial Use Determination Materials						

Percent Alternative Daily Cover (ADC) Calculation

ADC Calculations: Total Tons ADC/Total Tons Waste Disposed x 100 = 9.66 %

Please note the calculation **is:** Tons ADC (from table above)/Tons Solid Waste (from table in Section 6) x 100 = and **Not:** Tons ADC / (Tons Solid Waste + ADC) x 100

SECTION 6 - SOLID WASTE DISPOSED

Provide the tonnages of solid waste disposed. Exclude Beneficial Use Material amounts reported in Section 5 and Recyclable Material amounts reported in Section 8. Specify the methods used to measure the quantities disposed and the percentages measured by each method:

100 % Scale Weight _____ % Estimated
 _____ % Truck Count _____ % Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Asbestos	1	1	53	114	7	9	0
Ash (Coal)	0	0	0	0	5	0	0
Ash (MSW Energy Recovery)	0	0	0	0	0	0	0
Construction & Demolition Debris (mixed)	2,119	2,705	2,781	2,834	3,209	3,141	3,050
Industrial Waste (Including Industrial Process Sludges)	1,924	2,040	1,887	1,635	1,791	1,581	1,603
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	10,370	8,833	9,889	9,766	12,215	12,612	12,051
Oil/Gas Drilling Waste	0	0	0	0	0	0	0
Petroleum Contaminated Soil	8	406	201	164	73	827	216
Sewage Treatment Plant Sludge	1,787	1,612	1,721	1,636	1,589	1,684	1,454
Treated Regulated Medical Waste	0	0	0	0	0	0	0
Emergency Authorization Waste (Storm Debris)	0	0	0	0	0	0	0
Other (Sand: Refractory & Annealing)	0	0	0	0	0	0	0
Total Tons Disposed	15,355	14,204	15,266	14,890	17,544	17,962	16,988

SECTION 6 - SOLID WASTE DISPOSED (continued)

Type of Solid Waste	Tip Fee (\$/Ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Ave. (tons)
Asbestos Waste	85.00	1	96	93	17	17	408	2
Ash (Coal)	28.00	0	0	0	0	0	0	0
Ash (MSW Energy Recovery)	NA	0	0	0	0	0	0	0
Construction & Demolition Debris (mixed)	43.00	3,028	3,379	3,579	3,062	3,243	36,130	141
Industrial Waste (Including Industrial Process Sludges)	38.00	1,803	1,659	1,491	1,353	1,426	20,196	79
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	31.00	12,299	10,875	11,265	10,383	10,775	131,333	511
Oil/Gas Drilling Waste	28.00	0	0	0	0	0	0	0
Petroleum Contaminated Soil	28.00	52	48	42	508	219	2,763	11
Sewage Treatment Plant Sludge	28.00	1,373	1,418	1,602	1,117	1,523	18,517	72
Treated Regulated Medical Waste	NA	0	0	0	0	0	0	0
Emergency Authorization Waste (Storm Debris)	0.00	0	0	0	0	0	0	0
Other (Sand: Refractory & Annealing)	30.00	0	0	0	0	0	0	0
Total Tons Disposed		17,305	16,088	16,608	14,825	15,737	192,771	750

SECTION 7 – SERVICE AREA OF SOLID WASTE RECEIVED

Please identify where the waste is coming from. The total tons received reported below should equal the total tons received in Section 6 (Solid Waste Disposed)

- If the waste **WAS** received from another solid waste management facility, please write in the name and address of the facility along with the appropriate state, county and planning unit/municipality.
- If the waste **WAS NOT** received from another solid waste management facility, please write in "**DIRECT HAUL**" along with the appropriate state, county and planning unit/municipality where the waste was generated.

Specify the transport method and the percentages of total waste transported by each:

100 % Road _____ % Rail _____ % Water _____ % Other (Specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

SERVICE AREA					
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH RECEIVED (Name & Address) OR "Direct Haul"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED
Asbestos	Direct Haul	NY	Cattaraugus	Cattaraugus	48.55
	Direct Haul	NY	Chautauqua	Chautauqua	303.61
	Direct Haul	NY	Erie	NEST	55.54
	Direct Haul	PA	NA	NA	0.00
Ash (Coal)	Direct Haul	NY	Chautauqua	Chautauqua	0.00
	Direct Haul	PA	NA	NA	9.76
Ash (MSW Energy Recovery)	NA	NA	NA	NA	0.00
Construction & Demolition Debris (mixed)	Direct Haul	NY	Allegany	Allegany	0.00
	Direct Haul	NY	Cattaraugus	Cattaraugus	4,569.38
	Direct Haul	NY	Chautauqua	Chautauqua	26,891.13
	Direct Haul	NY	Erie	NEST	1,053.05
	Direct Haul	NY	Niagara	Niagara	8.95
	Direct Haul	OH	NA	NA	0.00
	Direct Haul	NY	Wyoming	NA	0.00
	Direct Haul	PA	NA	NA	3,607.68
Industrial Waste (Including Industrial Processed Sludge)	Direct Haul	NY	Cattaraugus	Cattaraugus	21.20
	Direct Haul	NY	Chautauqua	Chautauqua	15,466.10

SERVICE AREA					
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH RECEIVED (Name & Address) OR "Direct Haul"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED
	Direct Haul	NY	Erie	NEST	225.04
	Direct Haul	OH	NA	NA	0.00
	Direct Haul	PA	NA	NA	4,483.21
	Direct Haul	MA	NA	NA	0.00
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	Direct Haul	NY	Allegany	Allegany	1.51
	Direct Haul	NY	Cattaraugus	Cattaraugus	20,332.83
	Direct Haul	NY	Chautauqua	Chautauqua	90,734.32
	Direct Haul	NY	Erie	NEST	5,424.46
	Direct Haul	OH	NA	NA	0.00
	Direct Haul	PA	NA	NA	14,837.84
Oil/Gas Drilling Waste	Direct Haul	NY	Chautauqua	Chautauqua	0.00
Petroleum Contaminated Soil	Direct Haul	NY	Allegany	NA	0.00
	Direct Haul	NY	Cattaraugus	NA	0.00
	Direct Haul	NY	Chautauqua	Chautauqua	557.33
	Direct Haul	NY	Erie	NEST	0.00
	Direct Haul	NY	Tioga	NA	8.84
	Direct Haul	NY	Wyoming	NA	0.00
	Direct Haul	PA	NA	NA	2,196.87
Sewage Treatment Plant Sludge	Direct Haul	NY	Cattaraugus	Cattaraugus	1,672.44
	Direct Haul	NY	Chautauqua	Chautauqua	13,762.39
	Direct Haul	NY	Erie	NEST	0.00
	Direct Haul	OH	NA	NA	63.24
	Direct Haul	PA	NA	NA	3,018.69
Treated Regulated Medical Waste (TRMW)	Direct Haul	NA	NA	NA	0.00
Other (Sand: Refractory & Annealing)	Direct Haul	NY	Chautauqua	Chautauqua	1,288.54
	Direct Haul	PA	NA	NA	0.00
Total Tons Disposed					210,643

* List generators that provide you Certificates of Treatment forms and quantities for TRMW from each NA

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS

Is your facility also a permitted or registered Recyclables Handling & Recovery Facility?

☐ Yes; Complete Section 8 for material recovered from the mixed solid waste stream. Complete a Recyclables Handling & Recovery Facility (RHRF) form for material received as source separated. The RHRF form is located at: <http://www.dec.ny.gov/chemical/52706.html>.

☒ No; Complete Section 8 for material recovered from the mixed solid waste stream and for material received as source separated.

A. Service Area of Recyclable Material Received

Please identify where the recyclable materials are coming from. DO NOT REPORT IN CUBIC YARDS!

• If the materials **WERE** received from another solid waste management facility, please write in the name and address of the facility along with the appropriate state, county and planning unit/municipality.

• If the materials **WERE NOT** received from another solid waste management facility, please write in **"Direct Haul"** along with the appropriate state, county and planning unit/municipality where the recyclables were generated.

Explain which materials and service areas below are included in these transport methods _____

SERVICE AREA					
MATERIAL	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR "Direct Haul"	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED
Comingled Containers (metal, glass, plastic)					
Comingled Paper (all grades)					
Single Stream (total)					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					
Other (specify)					
TOTAL RECEIVED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

Identify the name of the destination facility to which the material was sent from your facility, the corresponding State/Country, the County/Province, the NYS Planning Unit, and the amount of material transported. **Refer to the list of NYS Planning Units that can be found at the end of this report.**
DO NOT REPORT IN CUBIC YARDS!

Specify the transport method and the percentages of total waste transported by each:

_____ % Road _____ % Rail _____ % Water _____ % Other (Specify: _____)

Explain which materials and destinations below are included in these transport methods _____

PAPER RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Commingled Paper (all grades)					
Corrugated Cardboard					
Junk Mail					
Magazines					
Newspaper					
Office Paper					
Paperboard / Boxboard					
Other Paper (specify)					
TOTAL PAPER RECOVERED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

GLASS RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Container Glass					
Industrial Scrap Glass					
Other Glass (specify)					
TOTAL GLASS RECOVERED (tons):					
METAL RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Aluminum Foil / Trays					
Bulk Metal (from MSW)					
Bulk Metal (from CD debris)					
Enameled Appliances / White Goods					
Industrial Scrap Metal					
Tin & Aluminum Containers					
Other Metal (specify)					
TOTAL METAL RECOVERED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

PLASTIC RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Mixed Plastic (#1 - #7)					
PET (plastic #1)					
HDPE (plastic #2)					
Other Rigid Plastics (#3-#7)					
Industrial Scrap Plastic					
Plastic Film & Bags					
Other Plastics (specify)					
TOTAL PLASTIC RECOVERED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

MIXED MATERIAL RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Comingled Containers (metal, glass, plastic)					
Comingled Paper & Containers					
Single Stream (total)					
Other (specify)					
TOTAL MIXED MATERIAL RECOVERED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

MISCELLANEOUS MATERIAL RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT	TONS RECOVERED (out of facility)
Electronics					
Textiles					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					
Other (specify)					
TOTAL MISCELLANEOUS MATERIAL RECOVERED (tons):					

VOLUME TO WEIGHT CONVERSION FACTORS

MATERIALS	EQUIVALENT		MATERIALS	EQUIVALENT		MATERIALS	EQUIVALENT	
GLASS – whole bottles	1 cubic yard	0.35 tons	GLASS – crushed mechanically	1 cubic yard	0.88 tons	ALLUMINUM – cans – whole	1 cubic yard	0.03 tons
GLASS – semi crushed	1 cubic yard	0.70 tons	GLASS – uncrushed manually	55 gallon drum	0.16 tons	ALLUMINUM – cans - flattened	1 cubic yard	0.125 tons
PAPER – high grade loose	1 cubic yard	0.18 tons	PLASTIC – PET – whole	1 cubic yard	0.015 tons			
PAPER – high grade baled	1 cubic yard	0.36 tons	PLASTIC - PET – flattened	1 cubic yard	0.04 tons			
PAPER – mixed loose	1 cubic yard	0.15 tons	PLASTIC - PET – baled	1 cubic yard	0.38 tons	WHITE GOODS – uncompacted	1 cubic yard	0.10 tons
NEWSPRINT – loose	1 cubic yard	0.29 tons	PLASTIC – styrofoam	1 cubic yard	0.02 tons	WHITE GOODS – compacted	1 cubic yard	0.5 tons
NEWSPRINT – compacted	1 cubic yard	0.43 tons	PLASTIC – HDPE – whole	1 cubic yard	0.012 tons			
CORRUGATED – loose	1 cubic yard	0.015 tons	PLASTIC – HDPE - flattened 1	1 cubic yard	0.03 tons			
CORRUGATED – baled	1 cubic yard	0.55 tons	PLASTIC – HDPE – baled	1 cubic yard	0.38 tons	FERROUS METAL – cans whole	1 cubic yard	0.08 tons
			PLASTIC – mixed (grocery bags)	45 gallon bag	0.01 tons	FERROUS METAL – cans	1 cubic yard	0.43 tons

SECTION 9 - UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste ever been received at the facility during the reporting period?

___ Yes **X** No If yes, give information below for each incident:

Date Received	Type Received	Date Disposed	Disposal Method & Location

Radiation Monitoring

Does your facility use a fixed radiation monitor? ____ Yes **X** No

Identify Manufacturer _____ and Model _____ of fixed unit.

Does your facility use a portable radiation monitor? **X** Yes __ No

Identify Manufacturer **Troxler** and Model **TroxAlert** of portable unit.

If the radiation monitors have been triggered give information below for each incident.

Incident Number	Received		Hauler	Origin	Truck Number	Reading	Disposal Status	Removed	
	Date	Time						Date	Time

SECTION 10 - WASTE IN PLACE

Summary by Waste Type and Year

Include all active and inactive sections of the landfill. Report waste disposed annually by type, if known, in tons per year. Report total waste disposed, if breakdown of types is not available. In the case where more than one landfill section operated in a given year identify each separately, if known. If the annual amount is not available, report the quantities for a range of years. If you include amounts from old, closed landfills then clearly identify them on the table and explain below. In each row, report quantities disposed each year (or group of years if individual years unknown) for each waste type. Report cumulative WIP at bottom (sum of annual quantities disposed). Add additional sheets as necessary.

Year	MSW (tons)	Asbestos Waste (tons)	Ash (tons)	C&D Debris (tons)	Industrial Waste (tons)	Petroleum Contaminat Soil (tons)	Sewage Treatment Plant Sludge (tons)	Other (tons)	Year(s) Total (tons)	Identify Landfill Section(s) Used
1981-1989	Data Not Readily Available								1,680,000	Phase I
1987-2003	587,541	66	71,691	18,204	323,494	38,112	120,218	0	1,159,326	Phase III
1995-2008	1,645,419	7,993	19,995	728,370	414,289	231,564	250,424	0	3,298,054	Phase II
2009	14,6064	2,065	100	41,022	29,202	3,074	18,095	10,710	250,332	Phase II
2010	133,718	3,921	11	42,250	23,655	53,834	19,559	10,958	287,906	Phase II
2011	135,977	1,593	12	38,410	23,179	34,560	17,490	10,154	261,275	Phase II
2012	95,582	5,232	326	39,013	17,446	22,294	15,758	9,537	205,188	Phase II
2012	8,528	139	0	1,308	2,957	3,311	2,639	3,041	21,923	Phase I Exp.
2013	125,309	1,249	5	39,510	20,686	12,391	16,434	11,639	227,223	Phase I Exp.
2014	133,332	1,946	8	40,728	23,368	39,213	18,801	7,816	265,212	Phase I Exp.
2015	137,941	2,139	65	44,862	18,612	50,678	17,721	9,671	281,675	Phase I Exp.
2016	124,902	5,750	7	37,151	14,890	37,412	17,466	6,002	243,580	Phase I Exp.
2017	115,974	5,157	206	28,674	11,753	7,372	20,226	9,269	198,630	Phase I Exp.
2018	188,859	5,523	45	38,742	10,230	8,469	18,283	7,120	277,271	Phase I Exp.
2019	202,926	3,441	6	34,721	7,914	5,088	20,892	5,736	280,725	Phase I Exp.
2020	205,402	2,417	14	32,697	10,844	6,845	20,967	2,920	282,106	Phase I Exp.
2021	143,044	3,924	43	30,432	17,445	9,316	19,672	2,180	226,057	Phase I Exp./ Phase 4S1
2022	135,754	1,128	11	30,805	19,408	7,123	22,031	3,423	219,682	Phase IV S1
2023	131,333	408	10	36,130	20,196	2,763	18,517	1,289	210,645	Phase IV S1
WIP Cumulative Total	4,397,606	54,090	92,555	1,303,029	1,009,567	573,418	655,192	111,465	9,876,809	

Overall in place volume 12,176140 cubic yards

Method for determining waste composition, if known: Computer Base Tracking System

Explain if closed landfill areas included above: Phase I (Original Section) and Phase III are 100% Closed & Capped

Waste Summary by Landfill Section

Provide waste in place for all landfill sections.

Number of landfill sections: 5

Original* section used **(Phase I)** (years) from 1981 to 1989
Section Footprint 34.0 acres
Capped with approved final cover system Yes X No ____
Percent Capped: 100
Waste in Place: 1,680,000 Tons 2,400,000 Cubic Yards

Next* section used **(Phase II)** (years) from 1995 to Active
Section Footprint 30.9 acres
Capped with approved final cover system Yes X No ____
Percent Capped: 41
Waste in Place: 4,302,855 Tons 5,625,613 Cubic Yards

Next* section used **(Phase III)** (years) from 1987 to 2003
Section Footprint 19.4 acres
Capped with approved final cover system Yes X No ____
Percent Capped: 100
Waste in Place: 1,159,326 Tons 1,656,180 Cubic Yards

Next* section used **(Phase I Exp.)** (years) from 2012 to Active
Section Footprint 11.3 acres
Capped with approved final cover system Yes ____ No X
Percent Capped: 0
Waste in Place: 1,734,191 Tons 1,846,040 Cubic Yards

Next* section used **(Phase IV)** (years) from Active to 2039 projected
Section Footprint 53 acres
Capped with approved final cover system Yes ____ No X
Percent Capped: 0
Waste in Place: 474,863 Tons 575,461 Cubic Yards

* If there are additional landfill sections, phases or cells, please provide the same waste in place information on additional sheets and attach to form.

SECTION 11 - LANDFILL GAS

Does the landfill have a landfill gas collection & control system?

Yes X No ____

If Yes: Active X Passive ____

Number of gas wells: 172 vertical wells, 3 cleanouts, 54 horizontal trenches, and 1 manhole

Total landfill footprint acreage 99

Total landfill acreage from which gas is collected 99

Landfill sections from which gas is collected 5

Landfill acreage with landfill gas recovery 99

Measured Methane Generation Rate*, k UNK (1/yr)

Measured Potential Methane Generation Capacity*, Lo UNK m³/Mg

NMOC Concentration* 292 ppmv as hexane

Does the landfill require a Title V Permit? Yes X No ____

Name of Landfill Gas Recovery (gas to energy or other use) Facility: Chautauqua County Landfill Gas to Energy Plant

* Note: If Concentration NMOC, Lo and k are not known or included, default values will be used to calculate the NMOC emissions from the Landfill.

Flare

Open and Enclosed Flares located at the Landfill and the Landfill Gas Recovery Facility:

Number of Flares: 2

Type of Flare: Opened Flare X Enclosed Flare _____

Quantity of Gas collected and Flared Annually 44,470,838 cubic feet

Flare Hours of Operation per Year 8557.6 hours/year

Methane Percentage in Landfill Gas before flaring 41.1 %

Methane Destruction efficiency ~100 %

Candlestick Flares:

Number of Candlestick Flares: 0

Estimate of Gas Flared Candlestick Flare: N/A cubic feet

Gas To Energy

Number of Internal Combustion Engines: 6

Quantity of Gas collected for Internal Combustion Engine Annually 16,308,501 cubic feet

Methane Destruction efficiency 97 %

Methane Percentage in Landfill Gas before combustion 53.25 % (Annual Average)

Utility Company Receiving Electricity National Grid

Gas Processed for Use (Other than gas to electricity)

Quantity of Gas Collected for Processing 650,458,106 cubic feet

Methane Percentage in Landfill Gas before processing 53.25 %

On-site of Off-site User of Gas Multiple CNG fueling stations

Landfill Gas Recovery Facility/Landfill Data

Facility Contact Aaron R. Gustafson

Phone # (716) 661-8464

Contact e-mail address GustafsA@chggov.com Fax # (716) 985-4981

Operation and maintenance cost for calendar year: \$ 701,771

Does the LGRF experience shut downs: Yes X No _____

If yes, indicate reasons for shut downs. List required submissions that have been attached to this form or the reasons for not attaching a required piece of information:

Utility trips, maintenance and repairs lead to periodic shutdowns at the facility. Note: If needed, destruction continues utilizing FLARE.

Year landfill opened: 1981 Anticipated landfill closure date: 2050

Results of Condensate Sampling

Submit (attached to this form) condensate quality monitoring results accomplished in accordance with condensate sampling. List submissions (required for this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix D – Landfill Gas

Landfill Gas Utilized For Energy Recovery

Provide the following information for the landfill gas recovered for energy. **DO NOT INCLUDE GAS FLARED!**

Month	Landfill Gas Collected for Energy Recovery (Cubic Feet)	Steam* Generated (Cubic Feet)	Total Electricity* Generated for onsite and offsite use (K.W.H.)	Total Gas Produced for use other than electricity generation (Cubic Feet)	Condensate Generated (Gallons)	Facility Operation (Hours)
January	61,525,491	0	612,000	18,769,660	23,611	744
February	52,583,633	0	752,000	15,365,720	15,022	672
March	54,377,231	0	503,000	22,545,890	21,066	744
April	54,489,511	0	0	26,601,180	18,240	720
May	51,214,225	0	0	25,718,330	24,582	744
June	48,727,109	0	0	22,810,720	150,055	720
July	52,547,537	0	0	24,509,600	219,873	744
August	55,195,542	0	0	26,326,750	138,739	744
September	51,049,064	0	0	24,342,730	97,089	720
October	61,386,537	0	65,000	24,506,390	97,733	744
November	60,739,116	0	11,000	27,476,870	94,762	720
December	62,931,611	0	224,000	26,717,650	227,376	744
ANNUAL TOTAL	666,766,607	0	2,167,000	285,691,490	1,128,148	8760

* Provide where applicable.

Normal Weekdays of Operation 7 Normal Hours of Operation 24

Electricity Generated and used/marketed offsite 344,000 KWH

Electricity Generated and used onsite 1,823,000 KWH

Gas Processed and used/marketed offsite 285,691,490 cubic feet

Gas Processed and used onsite 0 cubic feet

Describe the collection, storage, treatment and disposal techniques used in managing the condensate:

All condensate is gravity drained to 7 locations: 5 on Phase III (1 pump & 4 gravity returns), 2 on Phase I (gravity return), 1 in the Phase II pump station (pump return) and 1 at the LFGTE plant (pump return to Phase II pump station). All condensate is returned to the primary leachate collection system by either gravity or pump. There is no on-site treatment. All condensate is combined and stored with the collected leachate and pumped via pipe line to the Jamestown Waste Water Treatment Facility for treatment and disposal. Condensate measurement reported above is from the Phase II pump station and does not include any of the other gravity or pumped locations.

SECTION 12 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS

Are there required cost estimates and financial assurance documents for closure and post-closure care?

☒ Yes ☐ No If yes, attach additional sheets reflecting annual adjustments for inflation and any changes to the Closure Plan.

See Appendix E – Cost Estimate & financial Assurance Documents, Submitted under separate cover.

SECTION 13 - PROBLEMS

Were any problems encountered during the reporting period (e.g., specific occurrences which have led to changes in facility procedures)?

☐ Yes ☒ No If yes, attach additional sheets identifying each problem and the methods for resolution of the problem.

There were no substantial changes from approved reports, plans, specifications, permit conditions or fill progression plans.

SECTION 14 - CHANGES

Were there any changes from approved reports, plans, specifications, and permit conditions?

☐ Yes ☒ No If yes, attach additional sheets identifying changes with a justification for each change.

There were no substantial changes from approved reports, plans, specifications, permit conditions or fill progression plans.

SECTION 15 – LANDFILL OPERATOR TRAINING

Name of trained landfill operator: Aaron Gustafson

Name and location of training course: Landfill Operator Certification, Syracuse New York

Date completed: March 12, 2019

SECTION 16 - ANALYTICAL RESULTS

Submit(attached to this form) a table showing the sample collection date, the analytical results [including all peaks even if below the Method Detection Limits (MDL)], designation of up gradient wells and location number for each environmental monitoring point sampled, applicable water quality standards, and groundwater protection standards if established, MDL's, and Chemical Abstracts Service (CAS) numbers on all parameters. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix F – Bound Report.

SECTION 17 - COMPARING DATA

Submit (attached to this form) tables or graphical representations comparing current water quality with existing water quality and with upgradient water quality. These comparisons may include Piper diagrams, Stiff diagrams, tables, or other analyses. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix G – Bound Report.

SECTION 18 - DISCUSSION OF RESULTS

Submit(attached to this form) a summary of any contraventions of State water quality standards, significant increases in concentrations above existing water quality, and any exceedances of groundwater protection standards, and discussion of results, and any proposed modifications to the sampling and analysis schedule necessary to meet the Existing, Operational and Contingency water quality monitoring requirements. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix H – Discussion of Results.

SECTION 19 - DATA QUALITY ASSESSMENT

Submit (attached to this form) any required data quality assessment reports. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix I – Data Quality Assessment.

SECTION 20 - SUMMARIES OF MONITORING DATA

Submit (attached to this form) a summary of the water quality information presented in Sections 16 and 17 for the year of operation for which the Annual Report is made, noting any changes in water quality which have occurred throughout the year. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

See Appendix H – Discussion of Results.

SECTION 21 - SURFACE IMPOUNDMENTS

Does this landfill have a surface impoundment?

☒ Yes ☐ No If yes, repeat Sections 15 through 18 above for Quarterly Reports and Section 19 above for Annual Reports. Attach additional submissions required by this section.

See Appendix J - Surface Impoundments.

SECTION 22 - PERMIT/CONSENT ORDER REPORTING REQUIREMENTS

Are there any additional permit/consent order reporting requirements not covered by the previous sections of this form?

☒ Yes ☐ No If yes, attach additional sheets identifying the reporting requirements with their respective responses.

See Appendix K - Permit Supplementary Conditions Reporting Requirements Under Permit to Operate #9-0636-00006/00013.

Several of the Operation Permit Supplementary Conditions are required only for the quarterly reports. We have included those spreadsheets in Appendix F, for the convenience of having one source for all the data.

SECTION 23 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office Addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041

Email address: SWMFannualreport@dec.ny.gov

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.


Signature

1-25-2024
Date

Aaron Gustafson
Name (Print or Type)

Deputy Director of Public Facilities (Environmental)
Title (Print or Type)

GustafsA@chggov.com
Email (Print or Type)

3889 Towerville Road
Address

Jamestown
City

New York 14701
State and Zip

(716) 661-8469
Phone Number

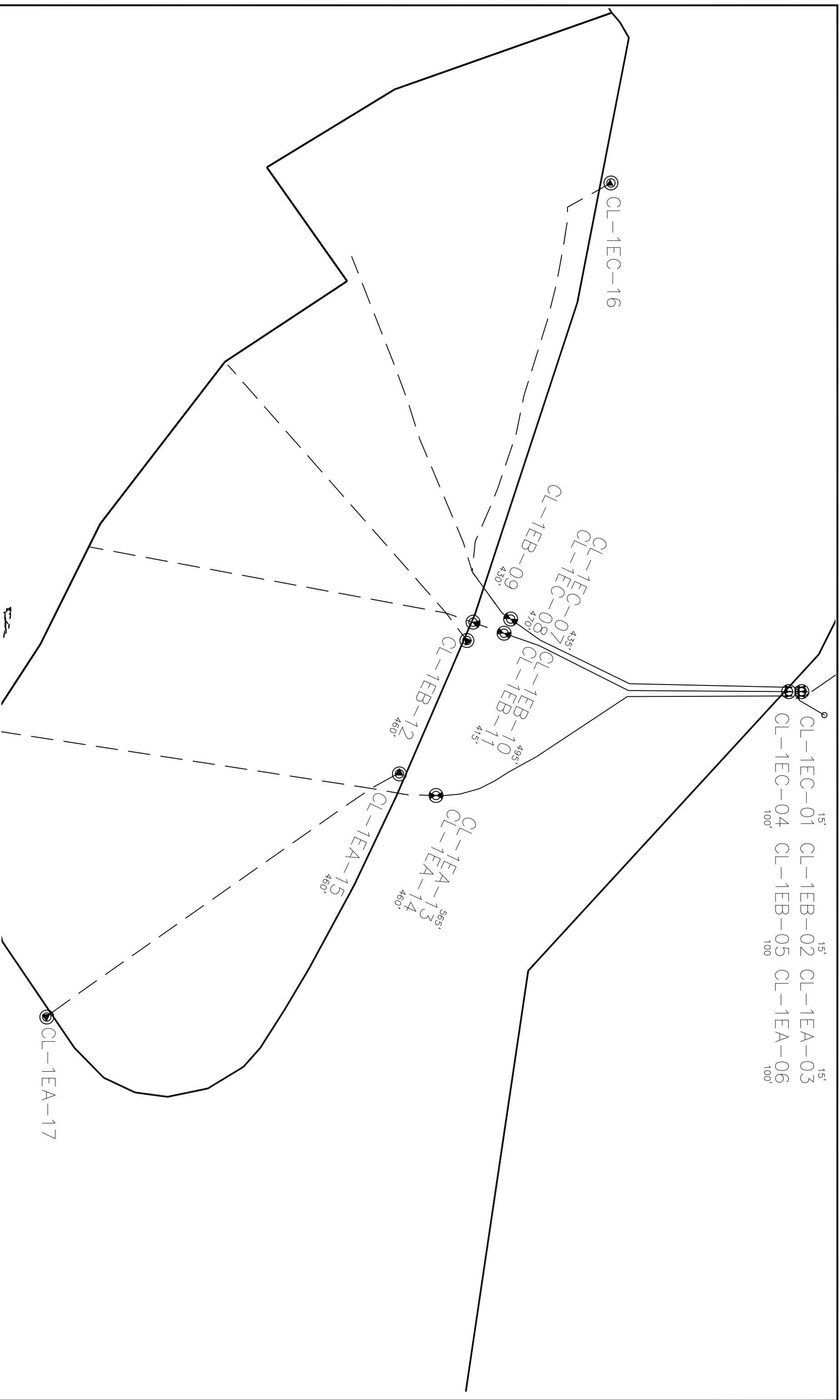
ATTACHMENTS: ☒ Yes ☐ No
(Please check appropriate line)

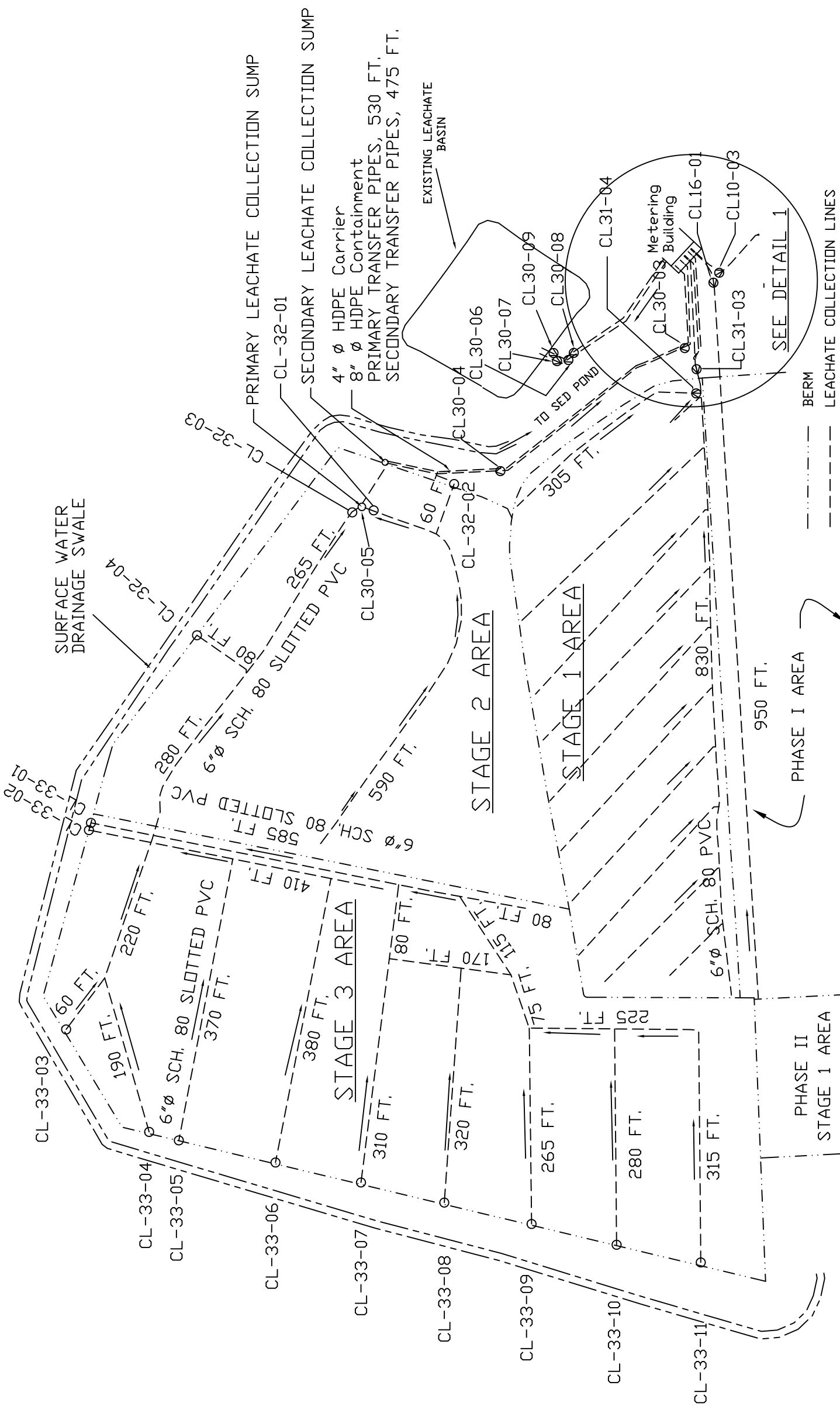
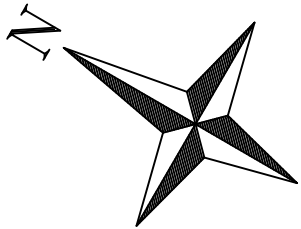
APPENDIX A
SECTION 3
SEMI-ANNUAL FLUSHING OF PRIMARY
LEACHATE COLLECTION SYSTEM

Chautauqua County Landfill
Leachate Line Cleaning Summary

Cleaning Order	Pipe Diameter in Inches	Cleaning Hose Diameter in Inches Used	Phase	ID	Required Length to be Cleaned (feet)	Est. Length Cleaned 2023	Est. Length Cleaned 2022	Notes
1	6	0.5	Phase III	CL 32-03	265	600	600	
2	6	0.5	Phase III	CL 32-01	590	550	550	Unknown Stoppage
3	6	0.5	Phase III	CL 30-07 (225' * 2)	225	225	225	
4	6	0.5	Phase III	CL 30-09 (225' * 2)	225	225	225	
5	4	0.5	Phase I	CL 10-02	15	15	15	
6	6	0.5	Phase III	CL 31-02	15	15	15	
7	6	0.5	Phase III	CL 30-02	15	15	15	
8	6	0.5	Phase III	CL 30-01	150	150	200	
9	6	0.5	Phase III	CL 31-01	200	200	200	
10	4	0.5	Phase I	CL 10-01	150	150	200	
11	6	0.5	Phase III	CL 30-03	530	500	500	Completed from CL 30-04
12	6	0.5	Phase III	CL 31-04	305	270	260	Unknown Stoppage
13	6	0.5	Phase III	CL 31-03	830	530	500	Unknown Stoppage
14	4	0.5	Phase I	CL 16-02	950	400	400	Unknown Stoppage
15	4	0.5	Phase I	CL 16-01	50	150	200	
16	4	0.5	Phase I	CL 10-03	200	200	200	
17	6	0.5	Phase I Exp.	CL 1EA-06	50	200	100	
18	6	0.5	Phase I Exp.	CL 1EC-04	100	200	100	
19	6	0.5	Phase I Exp.	CL 1EB-05	50	200	100	
20	4	0.5	Phase I	CL 10-04	75	100	300	
21	4	0.5	Phase I	CL 10-05	190	190	190	
22	4	0.5	Phase I	CL-10 Remedial	275	2758	275	
23	4	0.5	Shop Drain	SD-02	550	550	550	
24	4	0.5	Shop Drain	SD-01	500	500	500	
25	4	0.5	Shop Drain	Oil H2O Separator to Shop	125	125	125	
27	6	0.5	Phase I Exp.	CL 1EA-13	565	535	565	
28	6	0.5	Phase I Exp.	CL 1EA-15	460	460	460	
28	6	0.5	Phase I Exp.	CL 1EA-14	460	460	460	
29	6	0.5	Phase I Exp.	CL 1EB-12	465	465	420	
30	6	0.5	Phase I Exp.	CL 1EB-09	430	430	430	
31	6	0.5	Phase I Exp.	CL 1EB-11	415	415	415	
32	6	0.5	Phase I Exp.	CL 1EB-10	495	495	450	
33	6	0.5	Phase I Exp.	CL 1EC-08	334	400	400	
34	6	0.5	Phase I Exp.	CL 1EC-07	466	400	375	
35	6	0.5	Phase I Exp.	CL 1EC-16	555	600	600	
36	6	1	Phase II	CL 20-06	841	900	850	
37	6	0.5	Phase II	CL 20-04	855	900	855	
38	6	0.5	Phase II	CL 20-01	950	900	800	
39	6	0.5	Phase II	CL 21-01	340	340	400	
40	6	1	Phase II	CL 21-02	740	400	350	Unknown Stoppage
41	6	1	Phase II	CL 21-03	1150	475	400	Unknown Stoppage
42	6	1	Phase II	CL 21-04	1150	700	700	Unknown Stoppage
43	6	0.5	Phase II	CL 21-05	550	425	400	Unknown Stoppage
44	6	0.5	Phase II	CL 22-01	355	355	355	
45	6	1	Phase II	CL 22-02	679	400	400	Unknown Stoppage
46	6	1	Phase II	CL 22-03	683	275	225	Unknown Stoppage
47	6	1	Phase II	CL 22-04	681	681	690	
48	6	1	Phase II	CL 22-05	678	500	690	Unknown Stoppage
49	6	0.5	Phase II	CL 22-06	324	325	400	
50	6	1	Phase III	CL 33-01	585	530	500	Unknown Stoppage
51	6	1	Phase III	CL 33-02	490	400	480	Unknown Stoppage
52	6	0.5	Phase III	CL 33-03	560	460	500	Completed from CL 32-03
53	6	0.5	Phase III	CL 33-04	190	200	200	
54	6	0.5	Phase III	CL 33-05	150	150	150	pipe seperated at 150'
55	6	0.5	Phase III	CL 33-06	380	380	380	
56	6	0.5	Phase III	CL 33-07	390	390	400	
57	6	0.5	Phase III	CL 33-08	320	310	320	
58	6	0.5	Phase III	CL 33-09	455	300	380	Unknown Stoppage
59	6	0.5	Phase III	CL 33-10	280	300	300	
60	6	0.5	Phase III	CL 33-11	650	400	450	Unknown Stoppage
61	6	0.5	Phase II	CL 22-07	750	430	425	Unknown Stoppage
62	6	0.5	Phase II	CL 22-08	750	375	500	Unknown Stoppage
63	6	1	Phase II	CL 22-09	750	500	500	Unknown Stoppage
64	6	1	Phase II	CL 22-10	750	650	450	Unknown Stoppage
65	6	1	Phase II	CL 22-11	750	650	450	Unknown Stoppage
66	6	1	Phase II	CL 23-04	700	650	425	Unknown Stoppage
67	6	0.5	Phase II	CL 20-05	340	340	340	
68	6	0.5	Phase II	CL 20-03	640	640	680	
69	6	0.5	Phase II	Pump Bldg. to CL 20-04	115	115	115	
70	6	0.5	Phase II	Pump Bldg. to PII Pond	185	185	185	
71	1.5	0.5	South Stockton	MH to Tank (120' * 2)	240	240	240	
72	6	0.5	Shop Drain	Shop Floor Drains	100	100	100	
73	6	1	Phase IV	CL-41-01	750	800	850	Only Subcell one is open
74	6	1	Phase IV	CL-41-02	750	750	650	Only Subcell one is open
75	6	1	Phase IV	CL-41-03	720	720	550	Only Subcell one is open
76	6	0.5	Phase IV	CL-41-04	315	315	350	Only Subcell one is open
77	6	1	Phase IV	CL-41-05	860	1000	550	Only Subcell one is open
78	6	1	Phase IV	CL-41-06	860	860	550	Only Subcell one is open
	6		Phase I Exp.	CL 1EA-17 Dup#15	483			Cleaned via CL 1EA-15
	6		Phase I Exp.	CL 1EC-01	15			Cleaned via CL 1EC-04
	6		Phase I Exp.	CL 1EB-02	15			Cleaned via CL 1EB-05
	6		Phase I Exp.	CL 1EA-03	15			Cleaned via CL 1EA-06

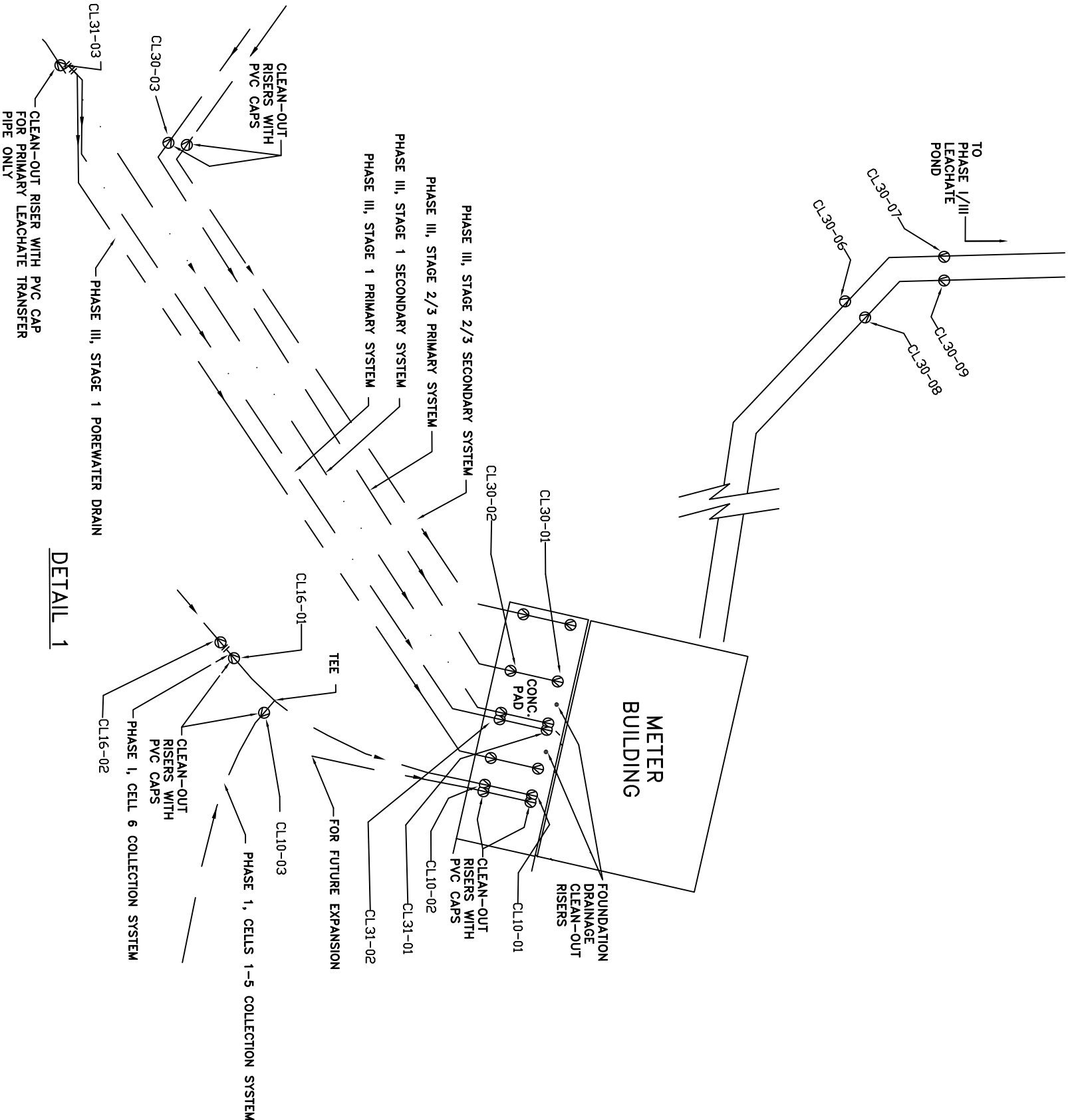
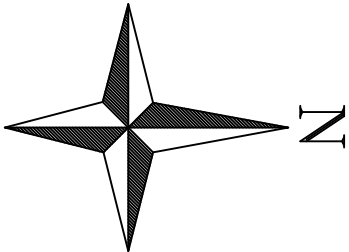
					36026	34394		
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[illegible]



NOTE: 1. All leachate collection lines are 4"Ø SCH. 80 PVC pipe, Unless otherwise noted.

												CHAUTAUQUA COUNTY DEPARTMENT OF PUBLIC WORKS DIVISION OF SOLID WASTE CHAUTAUQUA COUNTY LANDFILL ELLERY NEW YORK				Phase 3, Stages 1,2,3			
												Primary Leachate Line Cleanout Map							
												SCALE: 1:150							
												DATE: 1/9/97							



DETAIL 1

				DESIGNED BY: T.B.H.				
				DRAWN BY: T.B.H.				
9/29/06	WJF	UPDATE FILE PATH RENAME FROM P3FOLDVG		CHECKED BY: P.K.P.				
DATE	BY	DESCRIPTION	NO	DATE	DESCRIPTION			
REVISIONS								
				PROJ. MNGR: P.K.P.				
PREPARED BY DPW/DSW Chautauqua County 3889 Towerville Road Jamestown, New York 14701								
INAPPROPRIATE ENGINEER/CAD MAN/LEACHATE/PHASE3 DETAIL.DWG								
CHAUTAUQUA COUNTY LANDFILL								
CHAUTAUQUA COUNTY LANDFILL								
PHASE III LEACHATE COLLECTION LINES -- DETAIL 1								
SCALE: N.T.S.				DATE: 10/24/97				

APPENDIX B
SECTION 3
PRIMARY LEACHATE DATA

The 2023 primary leachate results have been included in both the 2023 Second Quarter and Fourth Quarter monitoring reports. Included within this section are the water quality comparison tables including the 2023 monitoring results for the primary leachate monitoring locations.

LAB ID: 480-213346-7
LOCATION: P1PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled	Not Sampled	Not Sampled									
pH (Field)	SU	Field Sampling	TA		7.71				7.79			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA						-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA						-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		16550				26600			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		-20.1				45			10/4/2023					
Temperature (Field Test)	DEGREES C	Field Sampling	TA		16.5				16.6			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		69.2				1.33			10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	8400				< 10	U		10/5/2023	10				
Ammonia	MG/L	350	TA	0.060	1046				2820		*	10/6/2023	40		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	780				469			10/5/2023	12				
Bromide	MG/L	SM 4110B	TA		15.2				< 20	U		10/11/2023	20		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	2550				5310			10/6/2023	250				
Chloride	MG/L	SM 4500 Cl- E	TA		1700				3020		*	10/5/2023	83		250		
Nitrate	MG/L	Nitrate by calc	TA		1.09				0.13			10/5/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		0.237				2.5		*	10/13/2023	0.1		0.001		
Sulfate	MG/L	9038	TA		11.8				89.4			10/6/2023	15		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	6415				17400		*	10/7/2023	100		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		1375				740			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA		1310				3570			10/9/2023	200				
Total Organic Carbon	MG/L	9060A	TA		721				1540			10/7/2023	40				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.0036				0.0019			10/10/2023	0.001		0.005		
Calcium, Total	MG/L	6010C	TA		239				80.2			10/23/2023	1				
Iron, Total	MG/L	6010C	TA		142				8		*	10/23/2023	0.1		0.3		
Lead, Total	MG/L	6020A	TA	0.400	< 0.0024				0.0075			10/10/2023	0.002		0.025		
Magnesium, Total	MG/L	6010C	TA		189				99.4		*	10/23/2023	0.4		35		
Manganese, Total	MG/L	6010C	TA		2.26				0.7		*	10/23/2023	0.006		0.3		
Potassium, Total	MG/L	6010C	TA		882				980	^+ ^2		10/23/2023	1				
Sodium, Total	MG/L	6010C	TA		1350				2290	^+	*	10/23/2023	4		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		0				5000		*	10/5/2023	500		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01				0.049			10/6/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		1.21				1.5			10/23/2023	0.4				
Antimony, Total	MG/L	6010C	TA	0.300	< 0.0268				< 0.04	U		10/23/2023	0.04		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	0.0909				0.547		*	10/10/2023	0.002		0.025		
Barium, Total	MG/L	6010C	TA	0.020	1.21				1.5		*	10/23/2023	0.004		1		
Beryllium, Total	MG/L	6010C	TA	0.003	0.0003				< 0.004	U		10/23/2023	0.004		0.003		
Boron, Total	MG/L	6010C	TA		5.23				15.6	^+	*	10/23/2023	0.04		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600					< 0.05	U		10/5/2023	0.05		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	0.07				0.54		*	10/23/2023	0.008		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	0.155				0.073		*	10/23/2023	0.008		0.005		
Copper, Total	MG/L	6010C	TA	0.060	< 0.002				< 0.02	U		10/23/2023	0.02		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	0.0001				< 0.0012	U		10/6/2023	0.0012		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0.231				0.51		*	10/23/2023	0.02		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.004				0.0042			10/10/2023	0.002		0.01		
Silver, Total	MG/L	6020A	TA	0.000	< 0.0036				0.0011			10/10/2023	0.001		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	0.0134				< 0.0004	U		10/10/2023	0.0004		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	0.0075				0.076			10/23/2023	0.01				
Zinc, Total	MG/L	6010C	TA	0.020	1.9				0.093			10/23/2023	0.02		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 10				< 80	U		10/5/2023	80		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 10				< 80	U		10/5/2023	80		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 10				< 80	U		10/5/2023	80		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		3		

LAB ID: 480-213346-7
LOCATION: P1PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT	LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		0.06	
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		1	
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000					< 80	U		10/5/2023	80		5	
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		3	
2-Butanone	UG/L	8260C	TA	100.000	130				5400		*	10/5/2023	800		50	
2-Hexanone	UG/L	8260C	TA	50.000	9				< 400	U		10/5/2023	400		50	
Acetone	UG/L	8260C	TA	100.000	47				5400		*	10/5/2023	800		50	
Acrylonitrile	UG/L	8260C	TA	200.000	< 25				< 400	U		10/5/2023	400		5	
Benzene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		1	
Bromochloromethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
Bromodichloromethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		50	
Bromoform	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		50	
Bromomethane	UG/L	8260C	TA		< 10				< 80	U		10/5/2023	80		5	
Carbon disulfide	UG/L	8260C	TA	100.000	< 5				< 80	U		10/5/2023	80		60	
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 5				< 80	U		10/5/2023	80		5	
Chlorobenzene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
Chloroethane	UG/L	8260C	TA		< 10				< 80	U		10/5/2023	80		5	
Chloroform	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		7	
Chloromethane	UG/L	8260C	TA		< 10				< 80	U		10/5/2023	80		5	
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5				< 80	U		10/5/2023	80		0.4	
Dibromochloromethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		50	
Dibromomethane	UG/L	8260C	TA	10.000	< 10				< 80	U		10/5/2023	80		5	
Ethylbenzene	UG/L	8260C	TA	5.000	4				< 80	U		10/5/2023	80		5	
Iodomethane	UG/L	8260C	TA	10.000	< 10				< 80	U		10/5/2023	80		5	
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 10				< 80	U		10/5/2023	80			
Methylene chloride	UG/L	8260C	TA	10.000	< 5				< 400	U		10/5/2023	400		5	
Styrene	UG/L	8260C	TA	10.000	< 5				< 80	U		10/5/2023	80		5	
Tetrachloroethene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
Toluene	UG/L	8260C	TA	5.000	9				< 80	U		10/5/2023	80		5	
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5				< 80	U		10/5/2023	80		0.4	
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 10				< 400	U		10/5/2023	400		5	
Trichloroethene	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5				< 80	U		10/5/2023	80		5	
Vinyl acetate	UG/L	8260C	TA	50.000	< 10				< 400	U		10/5/2023	400			

LAB ID: 480-213394-3
LOCATION: P2S1S2S3PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA		7		7.73		7.71			10/5/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		8		21480		27460			10/5/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		-161		30		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA		19		15.4		20.1			10/5/2023					
Turbidity (Field)	NTU	Field Sampling	TA		200		4.4		6.95		*	10/5/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	3900		8890		65.6			10/6/2023	10				
Ammonia	MG/L	350	TA	0.060	560		1900		233		*	10/11/2023	20		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	1910		49.5		390			10/6/2023	240				
Bromide	MG/L	SM 4110B	TA		3		11.3		3.7		*	10/12/2023	2		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	3140		6910		4370			10/10/2023	500				
Chloride	MG/L	SM 4500 Cl- E	TA		1100		1890		3230		*	10/7/2023	97		250		
Nitrate	MG/L	Nitrate by calc	TA		1	<	0.05	<	0.05	U		10/6/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		0		1.9		1.7		*	10/9/2023	0.05		0.001		
Sulfate	MG/L	9038	TA		58		69.6		60.8	F1		10/6/2023	10		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	5320		9920		9980		*	10/9/2023	100		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		1400		680		600			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA		594		2420		3220			10/9/2023	500				
Total Organic Carbon	MG/L	9060A	TA		1180		790		1560			10/10/2023	20				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	ND		0.0011		0.0018			10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA		383		102		54.1			10/18/2023	0.5				
Iron, Total	MG/L	6010C	TA		38		6.2		5.8	*		10/18/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	ND		0.0054		0.0044			10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA		108		96.4		79.6	*		10/18/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		20		1.5		0.53		*	10/18/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		ND		590		864	^+ ^2		10/24/2023	2.5				
Sodium, Total	MG/L	6010C	TA		578		1800		2650		*	10/24/2023	5		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		70		2500		4000		*	10/6/2023	500		15		
Cyanide, Total	MG/L	9012B	TA		ND		0.1		0.094			10/17/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		0		1.1		1.2			10/18/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	ND		0.021		0.022		*	10/18/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	ND		0.287		0.163		*	10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020	2		0.8		0.94			10/18/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	ND	<	0.002	<	0.002	U		10/18/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA		5		16.1		15.5	^+ *		10/19/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600		<	0.01	<	0.1	U		10/6/2023	0.1		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	ND		0.55		0.49		*	10/18/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	ND		0.061		0.07		*	10/18/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	ND		0.011	<	0.01	U		10/19/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	ND	<	0.0012	<	0.006	U		10/9/2023	0.006		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0		0.27		0.31		*	10/18/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	ND		0.0029		0.0021			10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000	ND		0.00061		0.0011			10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	0	<	0.0002	<	0.0002	U		10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	ND		0.077		0.079			10/18/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0		0.073		0.1			10/24/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 500		< 50		< 200	U		10/7/2023	200		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 500		< 50		< 200	U		10/7/2023	200		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		3		

LAB ID: 480-213394-3
LOCATION: P2S1S2S3PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
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Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT	LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		0.06	
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		1	
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		3	
2-Butanone	UG/L	8260C	TA	100.000	4500		4100		2500		*	10/7/2023	2000		50	
2-Hexanone	UG/L	8260C	TA	50.000	< 500		< 250		< 1000	U		10/7/2023	1000		50	
Acetone	UG/L	8260C	TA	100.000	4100		4100		2500		*	10/7/2023	2000		50	
Acrylonitrile	UG/L	8260C	TA	200.000	< 1200		< 250		< 1000	U		10/7/2023	1000		5	
Benzene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		1	
Bromochloromethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Bromodichloromethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		50	
Bromoform	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		50	
Bromomethane	UG/L	8260C	TA		< 500		< 50		< 200	U		10/7/2023	200		5	
Carbon disulfide	UG/L	8260C	TA	100.000	< 250		< 50		< 200	U		10/7/2023	200		60	
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Chlorobenzene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Chloroethane	UG/L	8260C	TA		< 500		< 50		< 200	U		10/7/2023	200		5	
Chloroform	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		7	
Chloromethane	UG/L	8260C	TA		< 500		< 50		< 200	U		10/7/2023	200		5	
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 250		< 50		< 200	U		10/7/2023	200		0.4	
Dibromochloromethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		50	
Dibromomethane	UG/L	8260C	TA	10.000	< 500		< 50		< 200	U		10/7/2023	200		5	
Ethylbenzene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Iodomethane	UG/L	8260C	TA	10.000	< 500		< 50		< 200	U		10/7/2023	200		5	
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 500		< 50		< 200	U		10/7/2023	200			
Methylene chloride	UG/L	8260C	TA	10.000	< 250		< 250		< 1000	U		10/7/2023	1000		5	
Styrene	UG/L	8260C	TA	10.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Tetrachloroethene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Toluene	UG/L	8260C	TA	5.000	260		71		< 200	U		10/7/2023	200		5	
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 250		< 50		< 200	U		10/7/2023	200		0.4	
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 500		< 250		< 1000	U		10/7/2023	1000		5	
Trichloroethene	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 250		< 50		< 200	U		10/7/2023	200		5	
Vinyl acetate	UG/L	8260C	TA	50.000	< 500		< 250		< 1000	U		10/7/2023	1000			
Vinyl chloride	UG/L	8260C	TA	10.000	< 500		< 50		< 200	U		10/7/2023	200		2	
m/p-Xylenes	UG/L	8260C	TA	5.000	< 500		< 100		< 400	U		10/7/2023	400		5	
o-Xylene	UG/L	8260C	TA	5.000	< 500		< 50		< 200	U		10/7/2023	200		5	
Expanded Parameters																
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A	0		< 1000		< 1000	U		10/11/2023	1000		#N/A	
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500		#N/A	
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000	< 100		< 50		< 200	U		10/7/2023	200			
1,4-Naphthoquinone	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
1-Naphthylamine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
2,2-Dichloropropane	UG/L	8260B	TA	15.000	< 250		< 50		< 200	U		10/7/2023	200			
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500		#N/A	
2,4,5-T	UG/L	8151A	TA		ND		< 50		< 50	U		10/11/2023	50			
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500		#N/A	
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500		#N/A	
2,4-D	UG/L	8151A	TA		< 100		< 50		< 50	U		10/11/2023	50			
2,4-Dichlorophenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
2,4-Dimethylphenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
2,4-Dinitrophenol	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A	< 100		< 1000		< 1000	U		10/11/2023	1000		#N/A	
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
2-Acetylaminofluorene	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
2-Chloronaphthalene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
2-Chlorophenol	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
2-Methylnaphthalene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
2-Methylphenol	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			

LAB ID: 480-213394-3
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DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT	LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
2-Nitroaniline	UG/L	8270C	TA	50.000	< 500		< 1000		< 1000	U		10/11/2023	1000			
2-Nitrophenol	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
3 & 4 Methylphenol	UG/L	8270C	TA	10.000	1200		< 1000		< 1000	U		10/11/2023	1000			
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000	< 100		< 50		< 200	U		10/7/2023	200			
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
3,3'-Dimethylbenzidine	UG/L	8270C	TA		< 100		< 4000		< 4000	U		10/11/2023	4000			
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A	< 100		< 1000		< 1000	U		10/11/2023	1000	#N/A		
3-Methylphenol	UG/L	8270C	TA		< 1000		< 1000		< 1000	U		10/11/2023	1000			
3-Nitroaniline	UG/L	8270C	TA	50.000	< 500		< 1000		< 1000	U		10/11/2023	1000			
4,4-DDD	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
4,4-DDE	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
4,4-DDT	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000	< 500		< 1000		< 1000	U		10/11/2023	1000			
4-Aminobiphenyl	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500	#N/A		
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000	< 100		< 500		< 500	U		10/11/2023	500			
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
4-Methylphenol	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000			
4-Nitroaniline	UG/L	8270C	TA	50.000	< 500		< 1000		< 1000	U		10/11/2023	1000			
4-Nitrophenol	UG/L	8270C	TA		< 500		< 1000		< 1000	U		10/11/2023	1000			
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
Acenaphthene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Acenaphthylene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Acetonitrile	UG/L	8260B	TA		< 10000		< 2000		< 8000	U		10/7/2023	8000			
Acetophenone	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Acrolein	UG/L	8260B	TA	100.000	< 5000		< 1000		< 4000	U		10/7/2023	4000			
Aldrin	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Allyl chloride	UG/L	8260B	TA	10.000	< 500		< 50		< 200	U		10/7/2023	200			
alpha-BHC	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Anthracene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Benzo[a]anthracene	UG/L	8270C	TA	10.000	< 100		< 36		< 36	U		10/11/2023	36			
Benzo[a]pyrene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000	< 100		< 34		< 34	U		10/11/2023	34			
Benzo[ghi]perylene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000	< 100		< 73		< 73	U		10/11/2023	73			
Benzyl alcohol	UG/L	8270C	TA	20.000	< 100		< 2000		< 2000	U		10/11/2023	2000			
beta-BHC	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Bis-(2-chloro-1-methyl-ethyl)ether	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500	#N/A		
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500	#N/A		
Butyl benzyl phthalate	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Chlordane	UG/L	8081A	TA	50.000	< 1		< 25		< 25	U		10/10/2023	25			
Chlorobenzilate	UG/L	8270C	TA	10.000	< 100		< 2000		< 2000	U		10/11/2023	2000			
Chrysene	UG/L	8270C	TA	10.000	< 100		< 33		< 33	U		10/11/2023	33			
delta-BHC	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Diallate	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Dibenzofuran	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A		
Dieldrin	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Diethyl phthalate	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Dimethoate	UG/L	8270C	TA	20.000	< 1		< 1000		< 1000	U		10/11/2023	1000			
Dimethyl phthalate	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A	< 100		< 500		< 500	U		10/11/2023	500	#N/A		
Di-n-octyl phthalate	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			
Dinoseb	UG/L	8270C	TA	20.000	ND		< 1000		< 1000	U		10/11/2023	1000			
Diphenylamine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000			
Disulfoton	UG/L	8270C	TA	10.000	1		< 1000		< 1000	U		10/11/2023	1000			
Endosulfan I	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			
Endosulfan II	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5			

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PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Endosulfan sulfate	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Endrin	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Endrin aldehyde	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Endrin ketone	UG/L	8081A	TA				-		-	-		-	-				
Ethyl methacrylate	UG/L	8260B	TA	10.000	< 500		< 50		< 200	U **		10/7/2023	200				
Ethyl methanesulfonate	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Famphur	UG/L	8270C	TA	20.000	< 1		< 4000		< 4000	U		10/11/2023	4000				
Fluoranthene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Fluorene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
gamma-BHC; Lindane	UG/L	8081A	TA	20.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Heptachlor	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Heptachlor epoxide	UG/L	8081A	TA	10.000	ND		< 2.5		< 2.5	U		10/10/2023	2.5				
Hexachlorobenzene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Hexachlorobutadiene	UG/L	8260B	TA	10.000	< 100		< 50		< 200	U		10/7/2023	200				
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Hexachloroethane	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Hexachloropropene	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000	< 100		< 47		< 47	U		10/11/2023	47				
Isobutyl alcohol	UG/L	UNKNOWN	TA		< 10000		< 2000		< 8000	U		10/7/2023	8000				
Isodrin	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Isophorone	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Isosafrole	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Kepone	UG/L	#N/A	TA	#N/A	< 100		< 5000		< 5000	U		10/11/2023	5000		#N/A		
Methacrylonitrile	UG/L	8260B	TA	20.000	< 5000		< 250		< 1000	U		10/7/2023	1000				
Methapyriline	UG/L	8270C	TA	100.000	< 100		< 5000		< 5000	U		10/11/2023	5000				
Methoxychlor	UG/L	8081A	TA	100.000	< 1		< 2.5		< 2.5	U		10/10/2023	2.5				
Methyl methacrylate	UG/L	8260B	TA	10.000	< 500		< 50		< 200	U		10/7/2023	200				
Methyl methanesulfonate	UG/L	8270C	TA	30.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Methyl parathion	UG/L	8270C	TA	10.000	ND		< 1000		< 1000	U		10/11/2023	1000				
m-Dinitrobenzene	UG/L	8270C	TA	10.000	< 100		< 2000		< 2000	U		10/11/2023	2000				
Naphthalene	UG/L	8270C	TA	10.000	< 100		< 50		< 590			10/7/2023	200				
Nitrobenzene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodimethylamine	UG/L	8270C	TA		< 100		< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodiphenylamine	UG/L	8270C	TA		< 100		< 500		< 500	U		10/11/2023	500				
N-Nitrosodipropylamine	UG/L	8270C	TA		< 100		< 500		< 500	U		10/11/2023	500				
N-Nitrosomethylethalamine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosopiperidine	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
o-Toluidine	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Parathion	UG/L	8270C	TA	0.500	< 100		< 1000		< 1000	U		10/11/2023	1000				
PCB 1016	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1221	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1232	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1242	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1248	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1254	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1260	UG/L	8082	TA		ND		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1262	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1268	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
p-Chloroaniline	UG/L	8270C	TA	20.000	< 100		< 500		< 500	U		10/11/2023	500				
Pentachlorobenzene	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Pentachloroethane	UG/L	8260B	TA				< 50		< 200	U		10/7/2023	200				
Pentachloronitrobenzene	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Pentachlorophenol	UG/L	8270C	TA	50.000	< 500		< 1000		< 1000	U		10/11/2023	1000				
Phenacetin	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/11/2023	1000				
Phenanthrene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500				
Phenols	UG/L	8270C	TA				720		< 500	U		10/11/2023	500				
Phorate	UG/L	8270C	TA	10.000	ND		< 1000		< 1000	U		10/11/2023	1000				
p-Phenylenediamine	UG/L	8270C	TA	10.000	< 100		< 80000		< 80000	U		10/11/2023	80000				
Pronamide	UG/L	8270C	TA	10.000	< 100		< 1000		< 1000	U		10/11/2023	1000				

LAB ID: 480-213394-3
LOCATION: **P2S1S2S3PCS**
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: **Expanded**

DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB PQL		LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000	< 5000		< 500		< 2000	U		10/7/2023	2000			
Pyrene	UG/L	8270C	TA	10.000	< 100		< 500		< 500	U		10/11/2023	500			

LAB ID: 480-213346-5
LOCATION: P3S1S23PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled	Not Sampled	Not Sampled									
pH (Field)	SU	Field Sampling	TA		7.43				7.92			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA						-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA						-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		11560				26520			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		87				154			10/4/2023					
Temperature (Field Test)	DEGREES C	Field Sampling	TA		17.5				17.4			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		23.9				4.92			10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	45200				22.9	F2 F1		10/6/2023	10				
Ammonia	MG/L	350	TA	0.060	1040				2820		*	10/6/2023	40		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	128				257			10/5/2023	12				
Bromide	MG/L	SM 4110B	TA		6.1				10.4		*	10/12/2023	10		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	1580				4060			10/6/2023	250				
Chloride	MG/L	SM 4500 Cl- E	TA		1440				2980		*	10/5/2023	82		250		
Nitrate	MG/L	Nitrate by calc	TA		< 0.02				0.15			10/5/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		0.013				0.35	F1	*	10/6/2023	0.05		0.001		
Sulfate	MG/L	9038	TA		213				19.5	F1		10/6/2023	5		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	5200				9180		*	10/7/2023	100		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		690				620			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA		1238				2410			10/9/2023	100				
Total Organic Carbon	MG/L	9060A	TA		440				1350			10/7/2023	20				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	0.005				0.0033			10/10/2023	0.001		0.005		
Calcium, Total	MG/L	6010C	TA		145				89.1			10/23/2023	0.5				
Iron, Total	MG/L	6010C	TA		8.16				9.6		*	10/23/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	< 0.0024				0.012			10/10/2023	0.002		0.025		
Magnesium, Total	MG/L	6010C	TA		79.7				81.3		*	10/23/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		1.52				0.46		*	10/23/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		386				1100	^2 ^+		10/23/2023	2.5				
Sodium, Total	MG/L	6010C	TA		546				2440	^+	*	10/23/2023	5		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		< 7				4000		*	10/5/2023	500		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01				0.044	F1		10/6/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		1.31				0.9			10/23/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	< 0.0268				0.02			10/23/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	0.053				0.355		*	10/10/2023	0.002		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.577				1.6		*	10/23/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	0.0003				< 0.002	U F1		10/23/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA		4.94				14.1	^+	*	10/23/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600					< 0.01	U		10/5/2023	0.01		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	< 0.02				0.57		*	10/23/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	0.0354				0.083		*	10/23/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	< 0.002				0.032			10/23/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0001				< 0.0012	U		10/6/2023	0.0012		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0.22				0.67		*	10/23/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.004				0.0045			10/10/2023	0.002		0.01		
Silver, Total	MG/L	6020A	TA	0.000	< 0.0036				0.002			10/10/2023	0.001		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.0034				< 0.0004	U		10/10/2023	0.0004		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	0.0212				0.072			10/23/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0.0054				0.11	F1		10/23/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 10				< 20	U		10/5/2023	20		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 10				< 20	U		10/5/2023	20		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 10				< 20	U		10/5/2023	20		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		3		

LAB ID: 480-213346-5
LOCATION: P3S1S23PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT	LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		0.06	
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		1	
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000					< 20	U		10/5/2023	20		5	
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		3	
2-Butanone	UG/L	8260C	TA	100.000	< 10				650		*	10/5/2023	200		50	
2-Hexanone	UG/L	8260C	TA	50.000	< 10				< 100	U		10/5/2023	100		50	
Acetone	UG/L	8260C	TA	100.000	< 10				650		*	10/5/2023	200		50	
Acrylonitrile	UG/L	8260C	TA	200.000	< 25				< 100	U		10/5/2023	100		5	
Benzene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		1	
Bromochloromethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Bromodichloromethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		50	
Bromoform	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		50	
Bromomethane	UG/L	8260C	TA		< 10				< 20	U		10/5/2023	20		5	
Carbon disulfide	UG/L	8260C	TA	100.000	< 5				< 20	U *		10/5/2023	20		60	
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 5				< 20	U		10/5/2023	20		5	
Chlorobenzene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Chloroethane	UG/L	8260C	TA		< 10				< 20	U		10/5/2023	20		5	
Chloroform	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		7	
Chloromethane	UG/L	8260C	TA		< 10				< 20	U		10/5/2023	20		5	
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5				< 20	U		10/5/2023	20		0.4	
Dibromochloromethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		50	
Dibromomethane	UG/L	8260C	TA	10.000	< 10				< 20	U		10/5/2023	20		5	
Ethylbenzene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Iodomethane	UG/L	8260C	TA	10.000	< 10				< 20	U		10/5/2023	20		5	
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 10				< 20	U		10/5/2023	20			
Methylene chloride	UG/L	8260C	TA	10.000	< 5				< 100	U		10/5/2023	100		5	
Styrene	UG/L	8260C	TA	10.000	< 5				< 20	U		10/5/2023	20		5	
Tetrachloroethene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Toluene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5				< 20	U		10/5/2023	20		0.4	
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 10				< 100	U		10/5/2023	100		5	
Trichloroethene	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5				< 20	U		10/5/2023	20		5	
Vinyl acetate	UG/L	8260C	TA	50.000	< 10				< 100	U F1		10/5/2023	100			

LAB ID: 480-213346-1
LOCATION: P130VRPCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA		7.03		7.58		7.45			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		631		7898		22470			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		72		50		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA		26.9		16.1		18			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		392		13.5		1.23			10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	190		71.5		54.4			10/5/2023	10				
Ammonia	MG/L	350	TA	0.060	1.07		599		1850		*	10/6/2023	20		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	< 8		56.3		208	b		10/5/2023	120				
Bromide	MG/L	SM 4110B	TA		< 8		< 10		< 10	U		10/11/2023	10		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	< 100		1050		4440			10/9/2023	250				
Chloride	MG/L	SM 4500 Cl- E	TA		< 1		724		3010		*	10/5/2023	83		250		
Nitrate	MG/L	Nitrate by calc	TA		0.204		< 0.05		< 0.05	U		10/5/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		< 0.005		0.026		0.17		*	10/6/2023	0.05		0.001		
Sulfate	MG/L	9038	TA		< 5		7.7		30.6	F1		10/13/2023	25		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	780		6350		8700		*	10/7/2023	100		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		328		580		1180			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA		0.674		674		2290			10/9/2023	200				
Total Organic Carbon	MG/L	9060A	TA		< 3		235		1070			10/7/2023	20				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.005		0.00051		0.0032			10/10/2023	0.001		0.005		
Calcium, Total	MG/L	6010C	TA		98.4		144		123			10/23/2023	1				
Iron, Total	MG/L	6010C	TA		34.3		8		10.7		*	10/23/2023	0.1		0.3		
Lead, Total	MG/L	6020A	TA	0.400	< 0.015		0.0014		0.0043			10/10/2023	0.002		0.025		
Magnesium, Total	MG/L	6010C	TA		20		82.7		157		*	10/23/2023	0.4		35		
Manganese, Total	MG/L	6010C	TA		0.612		3.7		3.3		*	10/23/2023	0.006		0.3		
Potassium, Total	MG/L	6010C	TA		< 5		232		743	^+ ^2		10/23/2023	1				
Sodium, Total	MG/L	6010C	TA		< 5		692		5960	^+	*	10/23/2023	10		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		60		2000		4000		*	10/5/2023	500		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01		0.034		0.073			10/13/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		16.3		0.3		2.1			10/23/2023	0.4				
Antimony, Total	MG/L	6010C	TA	0.300	< 0.025		< 0.02		< 0.04	U		10/23/2023	0.04		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	< 0.025		0.0621		0.182		*	10/10/2023	0.002		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.409		0.94		2.6		*	10/23/2023	0.004		1		
Beryllium, Total	MG/L	6010C	TA	0.003	< 0.003		< 0.002		< 0.004	U		10/23/2023	0.004		0.003		
Boron, Total	MG/L	6010C	TA		< 0.5		5.1		18	^+	*	10/23/2023	0.04		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600	< 0.01		< 0.01		< 0.05	U		10/5/2023	0.05		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	0.0234		0.13		0.5		*	10/23/2023	0.008		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	< 0.02		0.014		0.059		*	10/23/2023	0.008		0.005		
Copper, Total	MG/L	6010C	TA	0.060	< 0.01		< 0.01		< 0.02	U		10/23/2023	0.02		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0002		< 0.0006		< 0.0012	U		10/6/2023	0.0012		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0.0388		0.088		0.35		*	10/23/2023	0.02		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.015		< 0.001		0.0029			10/10/2023	0.002		0.01		
Silver, Total	MG/L	6020A	TA	0.000	< 0.01		< 0.0005		0.0019			10/10/2023	0.001		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.015		< 0.0002		< 0.0004	U		10/10/2023	0.0004		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	< 0.03		0.024		0.12			10/23/2023	0.01				
Zinc, Total	MG/L	6010C	TA	0.020	0.0991		0.015		0.07			10/23/2023	0.02		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 5		< 40		< 20	U		10/5/2023	20		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 10		< 40		< 20	U		10/5/2023	20		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		3		

LAB ID: 480-213346-1
LOCATION: P130VRPCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	8.8		< 40		< 20	U		10/5/2023	20		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000	7		< 40		< 20	U		10/5/2023	20		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		3		
2-Butanone	UG/L	8260C	TA	100.000	< 10		< 400		< 200	U		10/5/2023	200		50		
2-Hexanone	UG/L	8260C	TA	50.000	< 10		< 200		< 100	U		10/5/2023	100		50		
Acetone	UG/L	8260C	TA	100.000	< 10		< 400		< 200	U		10/5/2023	200		50		
Acrylonitrile	UG/L	8260C	TA	200.000	< 100		< 200		< 100	U		10/5/2023	100		5		
Benzene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		1		
Bromochloromethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Bromodichloromethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		50		
Bromoform	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		50		
Bromomethane	UG/L	8260C	TA		< 5		< 40		< 20	U		10/5/2023	20		5		
Carbon disulfide	UG/L	8260C	TA	100.000	< 5		< 40		< 20	U *		10/5/2023	20		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Chlorobenzene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Chloroethane	UG/L	8260C	TA		< 5		< 40		< 20	U		10/5/2023	20		5		
Chloroform	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		7		
Chloromethane	UG/L	8260C	TA		< 5		< 40		< 20	U		10/5/2023	20		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		50		
Dibromomethane	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Ethylbenzene	UG/L	8260C	TA	5.000	< 5		< 40		52		*	10/5/2023	20		5		
Iodomethane	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 10		< 40		< 20	U		10/5/2023	20				
Methylene chloride	UG/L	8260C	TA	10.000	130		< 200		< 100	U		10/5/2023	100		5		
Styrene	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Tetrachloroethene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Toluene	UG/L	8260C	TA	5.000	< 5		< 40		46		*	10/5/2023	20		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 10		< 200		< 100	U		10/5/2023	100		5		
Trichloroethene	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5		< 40		< 20	U		10/5/2023	20		5		
Vinyl acetate	UG/L	8260C	TA	50.000	< 50		< 200		< 100	U		10/5/2023	100				
Vinyl chloride	UG/L	8260C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20		2		
m/p-Xylenes	UG/L	8260C	TA	5.000	< 5		< 80		49		*	10/5/2023	40		5		
o-Xylene	UG/L	8260C	TA	5.000	< 5		< 40		29		*	10/5/2023	20		5		
Expanded Parameters																	
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A	< 5		< 1000		< 1000	U		10/6/2023	1000		#N/A		
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U *		10/6/2023	500		#N/A		
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20				
1,4-Naphthoquinone	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
1-Naphthylamine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
2,2-Dichloropropane	UG/L	8260B	TA	15.000	< 5		< 40		< 20	U		10/5/2023	20				
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U		10/6/2023	500		#N/A		
2,4,5-T	UG/L	8151A	TA		< 100		< 5		< 10	U		10/11/2023	10				
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 10		< 500		< 500	U		10/6/2023	500		#N/A		
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U		10/6/2023	500		#N/A		
2,4-D	UG/L	8151A	TA		< 100		< 5		< 10	U		10/11/2023	10				
2,4-Dichlorophenol	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2,4-Dimethylphenol	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2,4-Dinitrophenol	UG/L	8270C	TA	10.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 1000		< 1000	U		10/6/2023	1000		#N/A		
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2-Acetylaminofluorene	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/6/2023	1000				
2-Chloronaphthalene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2-Chlorophenol	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2-Methylnaphthalene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
2-Methylphenol	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				

LAB ID: 480-213346-1
LOCATION: P130VRPCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
2-Nitroaniline	UG/L	8270C	TA	50.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
2-Nitrophenol	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
3 & 4 Methylphenol	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000	< 5		< 40		< 20	U		10/5/2023	20				
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 500		< 500	U		10/6/2023	500				
3,3'-Dimethylbenzidine	UG/L	8270C	TA		< 5		< 4000		< 4000	U		10/6/2023	4000				
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A	< 5		< 1000		< 1000	U		10/6/2023	1000	#N/A			
3-Methylphenol	UG/L	8270C	TA				< 1000		< 1000	U		10/6/2023	1000				
3-Nitroaniline	UG/L	8270C	TA	50.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
4,4-DDD	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
4,4-DDE	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
4,4-DDT	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
4-Aminobiphenyl	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U		10/6/2023	500	#N/A			
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000	< 5		< 500		< 500	U		10/6/2023	500				
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
4-Methylphenol	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/6/2023	1000				
4-Nitroaniline	UG/L	8270C	TA	50.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
4-Nitrophenol	UG/L	8270C	TA		< 10		< 1000		< 1000	U		10/6/2023	1000				
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Acenaphthene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/6/2023	500				
Acenaphthylene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Acetonitrile	UG/L	8260B	TA		< 100		< 1600		< 800	U		10/5/2023	800				
Acetophenone	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Acrolein	UG/L	8260B	TA	100.000	< 100		< 800		< 400	U		10/5/2023	400				
Aldrin	UG/L	8081A	TA	10.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Allyl chloride	UG/L	8260B	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20				
alpha-BHC	UG/L	8081A	TA	10.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Anthracene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Benzo[a]anthracene	UG/L	8270C	TA	10.000			< 36		< 36	U		10/6/2023	36				
Benzo[a]pyrene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000	< 5		< 34		< 34	U		10/6/2023	34				
Benzo[ghi]perylene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000	< 5		< 73		< 73	U		10/6/2023	73				
Benzyl alcohol	UG/L	8270C	TA	20.000	< 5		< 2000		< 2000	U		10/6/2023	2000				
beta-BHC	UG/L	8081A	TA	20.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Bis-(2-chloro-1-methyl- ethyl)ether	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U		10/6/2023	500	#N/A			
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A	3		< 500		< 500	U		10/6/2023	500	#N/A			
Butyl benzyl phthalate	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Chlordane	UG/L	8081A	TA	50.000	< 0.56		< 2.5		< 13	U		10/10/2023	13				
Chlorobenzilate	UG/L	8270C	TA	10.000	< 5		< 2000		< 2000	U		10/6/2023	2000				
Chrysene	UG/L	8270C	TA	10.000	< 5		< 33		< 33	U		10/6/2023	33				
delta-BHC	UG/L	8081A	TA	20.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Diallate	UG/L	8270C	TA	10.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Dibenzofuran	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A			
Dieldrin	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
Diethyl phthalate	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Dimethoate	UG/L	8270C	TA	20.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Dimethyl phthalate	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A	< 5		< 500		< 500	U		10/6/2023	500	#N/A			
Di-n-octyl phthalate	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Dinoseb	UG/L	8270C	TA	20.000	< 100		< 1000		< 1000	U		10/6/2023	1000				
Diphenylamine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Disulfoton	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Endosulfan I	UG/L	8081A	TA	20.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Endosulfan II	UG/L	8081A	TA	20.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				

LAB ID: 480-213346-1
LOCATION: P130VRPCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Endosulfan sulfate	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
Endrin	UG/L	8081A	TA	20.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
Endrin aldehyde	UG/L	8081A	TA	10.000	< 1.1		< 0.25		< 1.3	U		10/10/2023	1.3				
Endrin ketone	UG/L	8081A	TA		< 1.1		-		-	-		-	-				
Ethyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 40		< 20	U		10/5/2023	20				
Ethyl methanesulfonate	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Famphur	UG/L	8270C	TA	20.000	< 10		< 4000		< 4000	U		10/6/2023	4000				
Fluoranthene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Fluorene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
gamma-BHC; Lindane	UG/L	8081A	TA	20.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Heptachlor	UG/L	8081A	TA	10.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Heptachlor epoxide	UG/L	8081A	TA	10.000	< 0.56		< 0.25		< 1.3	U		10/10/2023	1.3				
Hexachlorobenzene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Hexachlorobutadiene	UG/L	8260B	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20				
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U*-		10/6/2023	500				
Hexachloroethane	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Hexachloropropene	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000	< 5		< 47		< 47	U		10/6/2023	47				
Isobutyl alcohol	UG/L	UNKNOWN	TA		< 1000		< 1600		< 800	U		10/5/2023	800				
Isodrin	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Isophorone	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Isosafrole	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Kepone	UG/L	#N/A	TA	#N/A	< 10		< 5000		< 5000	U		10/6/2023	5000		#N/A		
Methacrylonitrile	UG/L	8260B	TA	20.000	< 10		< 200		< 100	U		10/5/2023	100				
Methapyriline	UG/L	8270C	TA	100.000	< 20		< 5000		< 5000	U		10/6/2023	5000				
Methoxychlor	UG/L	8081A	TA	100.000	< 5.6		< 0.25		< 1.3	U		10/10/2023	1.3				
Methyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 40		< 20	U		10/5/2023	20				
Methyl methanesulfonate	UG/L	8270C	TA	30.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Methyl parathion	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
m-Dinitrobenzene	UG/L	8270C	TA	10.000	< 5		< 2000		< 2000	U		10/6/2023	2000				
Naphthalene	UG/L	8270C	TA	10.000	< 5		< 40		< 20	U		10/5/2023	20				
Nitrobenzene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
N-Nitrosodimethylamine	UG/L	8270C	TA		< 5		< 1000		< 1000	U		10/6/2023	1000				
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
N-Nitrosodiphenylamine	UG/L	8270C	TA		< 5		< 500		< 500	U		10/6/2023	500				
N-Nitrosodipropylamine	UG/L	8270C	TA		< 5		< 500		< 500	U		10/6/2023	500				
N-Nitrosomethylethalamine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
N-Nitrosopiperidine	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
o-Toluidine	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Parathion	UG/L	8270C	TA	0.500			< 1000		< 1000	U		10/6/2023	1000				
PCB 1016	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1221	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1232	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1242	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1248	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1254	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1260	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1262	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1268	UG/L	8082	TA		< 11		< 2.5		< 2.5	U		10/9/2023	2.5				
p-Chloroaniline	UG/L	8270C	TA	20.000	< 5		< 500		< 500	U		10/6/2023	500				
Pentachlorobenzene	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
Pentachloroethane	UG/L	8260B	TA				< 40		< 20	U		10/5/2023	20				
Pentachloronitrobenzene	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Pentachlorophenol	UG/L	8270C	TA	50.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Phenacetin	UG/L	8270C	TA	20.000	< 10		< 1000		< 1000	U		10/6/2023	1000				
Phenanthrene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				
Phenols	UG/L	8270C	TA		< 5		< 500		< 500	U		10/6/2023	500				
Phorate	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				
p-Phenylenediamine	UG/L	8270C	TA	10.000	< 5		< 80000		< 80000	U		10/6/2023	80000				
Pronamide	UG/L	8270C	TA	10.000	< 5		< 1000		< 1000	U		10/6/2023	1000				

LAB ID: 480-213346-1
LOCATION: P13OVRPCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Exceeds appropriate statistical trigger
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Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q2	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000	< 100		< 400		< 200	U		10/5/2023	200				
Pyrene	UG/L	8270C	TA	10.000	< 5		< 500		< 500	U		10/6/2023	500				

LAB ID: 480-213394-7
LOCATION: P4S1PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA				6.67		7.37			10/5/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA				9938		20640			10/5/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA				-91		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA				9.6		19.6			10/5/2023					
Turbidity (Field)	NTU	Field Sampling	TA				>1000		OR		*	10/5/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000			14.5		8840			10/6/2023	1210				
Ammonia	MG/L	350	TA	0.060			525		101		*	10/11/2023	20		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000			84.6		3000			10/6/2023	2400				
Bromide	MG/L	SM 4110B	TA				< 20		< 20	U		10/10/2023	20		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000			2750		9280			10/11/2023	500				
Chloride	MG/L	SM 4500 Cl- E	TA				1020		2610		*	10/7/2023	93		250		
Nitrate	MG/L	Nitrate by calc	TA				< 0.05		< 0.05	U		10/6/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA				0.59		1.1		*	10/13/2023	0.1		0.001		
Sulfate	MG/L	9038	TA				30.5		57.1			10/6/2023	10		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000			3810		10700	E	*	10/11/2023	40		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA				660		3150			10/10/2023	13.1				
Total Kjeldahl Nitrogen	MG/L	351	TA				699		1500			10/9/2023	100				
Total Organic Carbon	MG/L	9060A	TA				786		2300			10/11/2023	40				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040			< 0.0005		0.0016			10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA				411		367			10/18/2023	0.5				
Iron, Total	MG/L	6010C	TA				20.4		40.2		*	10/18/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400			0.011		0.013			10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA				160		307		*	10/18/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA				17		6.2		*	10/18/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA				338		806	^2 ^+		10/24/2023	2.5				
Sodium, Total	MG/L	6010C	TA				1060		2400	^+	*	10/24/2023	5		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA				300		3500		*	10/6/2023	500		15		
Cyanide, Total	MG/L	9012B	TA				0.039		0.081			10/17/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA				1.3		1.8			10/18/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300			< 0.02		0.021		*	10/18/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001			0.0876		0.161		*	10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020			2.6		3.8		*	10/18/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003			< 0.002		< 0.002	U		10/18/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA				6.3		13.7	^+	*	10/19/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600			< 0.01		< 0.1	U		10/6/2023	0.1		0.05		
Chromium, Total	MG/L	6010C	TA	0.070			0.15		0.42		*	10/18/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070			0.024		0.055		*	10/18/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060			0.024		0.031			10/18/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002			< 0.0006		< 0.0012	U		10/9/2023	0.0012		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150			0.14		0.42		*	10/18/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750			0.0026		0.007			10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000			< 0.0005		0.00071			10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400			< 0.0002		< 0.0002	U		10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080			0.035		0.12			10/18/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020			0.54		1			10/18/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000			< 20		< 100	U		10/7/2023	100		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000			< 20		< 100	U		10/7/2023	100		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		3		

LAB ID: 480-213394-7
LOCATION: P4S1PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		3		
2-Butanone	UG/L	8260C	TA	100.000			4200		5500		*	10/7/2023	1000		50		
2-Hexanone	UG/L	8260C	TA	50.000			< 100		< 500	U		10/7/2023	500		50		
Acetone	UG/L	8260C	TA	100.000			4200		5500		*	10/7/2023	1000		50		
Acrylonitrile	UG/L	8260C	TA	200.000			< 100		< 500	U		10/7/2023	500		5		
Benzene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		1		
Bromochloromethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
Bromodichloromethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		50		
Bromoform	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		50		
Bromomethane	UG/L	8260C	TA				< 20		< 100	U		10/7/2023	100		5		
Carbon disulfide	UG/L	8260C	TA	100.000			< 20		< 100	U		10/7/2023	100		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		5		
Chlorobenzene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
Chloroethane	UG/L	8260C	TA				< 20		< 100	U		10/7/2023	100		5		
Chloroform	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		7		
Chloromethane	UG/L	8260C	TA				< 20		< 100	U		10/7/2023	100		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		50		
Dibromomethane	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		5		
Ethylbenzene	UG/L	8260C	TA	5.000			39		< 100	U		10/7/2023	100		5		
Iodomethane	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000			< 20		< 100	U		10/7/2023	100				
Methylene chloride	UG/L	8260C	TA	10.000			< 100		< 500	U		10/7/2023	500		5		
Styrene	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		5		
Tetrachloroethene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
Toluene	UG/L	8260C	TA	5.000			610		< 100	U		10/7/2023	100		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000			< 100		< 500	U		10/7/2023	500		5		
Trichloroethene	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000			< 20		< 100	U		10/7/2023	100		5		
Vinyl acetate	UG/L	8260C	TA	50.000			< 100		< 500	U		10/7/2023	500				
Vinyl chloride	UG/L	8260C	TA	10.000			< 20		< 100	U		10/7/2023	100		2		
m/p-Xylenes	UG/L	8260C	TA	5.000			78		< 200	U		10/7/2023	200		5		
o-Xylene	UG/L	8260C	TA	5.000			31		< 100	U		10/7/2023	100		5		
Expanded Parameters																	
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A			< 2500		< 2500	U		10/11/2023	2500		#N/A		
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300		#N/A		
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000			< 20		< 100	U		10/7/2023	100				
1,4-Naphthoquinone	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
1-Naphthylamine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
2,2-Dichloropropane	UG/L	8260B	TA	15.000			< 20		< 100	U		10/7/2023	100				
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300		#N/A		
2,4,5-T	UG/L	8151A	TA				< 5		< 50	U		10/11/2023	50				
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300		#N/A		
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300		#N/A		
2,4-D	UG/L	8151A	TA				< 5		< 50	U		10/11/2023	50				
2,4-Dichlorophenol	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2,4-Dimethylphenol	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2,4-Dinitrophenol	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A			< 2500		< 2500	U		10/11/2023	2500		#N/A		
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2-Acetylaminofluorene	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
2-Chloronaphthalene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2-Chlorophenol	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2-Methylnaphthalene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
2-Methylphenol	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				

LAB ID: 480-213394-7
LOCATION: P4S1PCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
2-Nitroaniline	UG/L	8270C	TA	50.000			< 2500		< 2500	U		10/11/2023	2500				
2-Nitrophenol	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
3 & 4 Methylphenol	UG/L	8270C	TA	10.000			< 2500		4500			10/11/2023	2500				
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000			< 20		< 100	U		10/7/2023	100				
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
3,3'-Dimethylbenzidine	UG/L	8270C	TA				< 10000		< 10000	U		10/11/2023	10000				
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A			< 2500		< 2500	U		10/11/2023	2500	#N/A			
3-Methylphenol	UG/L	8270C	TA				< 2500		4500			10/11/2023	2500				
3-Nitroaniline	UG/L	8270C	TA	50.000			< 2500		< 2500	U		10/11/2023	2500				
4,4-DDD	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
4,4-DDE	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
4,4-DDT	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
4-Aminobiphenyl	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300	#N/A			
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000			< 1300		< 1300	U		10/11/2023	1300				
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
4-Methylphenol	UG/L	8270C	TA	20.000			< 2500		4500			10/11/2023	2500				
4-Nitroaniline	UG/L	8270C	TA	50.000			< 2500		< 2500	U		10/11/2023	2500				
4-Nitrophenol	UG/L	8270C	TA				< 2500		< 2500	U		10/11/2023	2500				
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Acenaphthene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Acenaphthylene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Acetonitrile	UG/L	8260B	TA				< 800		< 4000	U		10/7/2023	4000				
Acetophenone	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Acrolein	UG/L	8260B	TA	100.000			< 400		< 2000	U		10/7/2023	2000				
Aldrin	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Allyl chloride	UG/L	8260B	TA	10.000			< 20		< 100	U		10/7/2023	100				
alpha-BHC	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Anthracene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Benzo[a]anthracene	UG/L	8270C	TA	10.000			< 90		< 90	U		10/11/2023	90				
Benzo[a]pyrene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000			< 85		< 85	U		10/11/2023	85				
Benzo[ghi]perylene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000			< 180		< 180	U		10/11/2023	180				
Benzyl alcohol	UG/L	8270C	TA	20.000			< 5000		< 5000	U		10/11/2023	5000				
beta-BHC	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Bis-(2-chloro-1-methyl- ethyl)ether	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300	#N/A			
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300	#N/A			
Butyl benzyl phthalate	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Chlordane	UG/L	8081A	TA	50.000			< 13		< 25	U		10/10/2023	25				
Chlorobenzilate	UG/L	8270C	TA	10.000			< 5000		< 5000	U		10/11/2023	5000				
Chrysene	UG/L	8270C	TA	10.000			< 83		< 83	U		10/11/2023	83				
delta-BHC	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Diallate	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Dibenzofuran	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A			
Dieldrin	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Diethyl phthalate	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Dimethoate	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Dimethyl phthalate	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A			< 1300		< 1300	U		10/11/2023	1300	#N/A			
Di-n-octyl phthalate	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Dinoseb	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Diphenylamine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Disulfoton	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Endosulfan I	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Endosulfan II	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				

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CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 POL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Endosulfan sulfate	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Endrin	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Endrin aldehyde	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Endrin ketone	UG/L	8081A	TA				-		-	-		-	-				
Ethyl methacrylate	UG/L	8260B	TA	10.000			< 20		< 100	U **		10/7/2023	100				
Ethyl methanesulfonate	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Famphur	UG/L	8270C	TA	20.000			< 10000		< 10000	U		10/11/2023	10000				
Fluoranthene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Fluorene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
gamma-BHC; Lindane	UG/L	8081A	TA	20.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Heptachlor	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Heptachlor epoxide	UG/L	8081A	TA	10.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Hexachlorobenzene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Hexachlorobutadiene	UG/L	8260B	TA	10.000			< 20		< 100	U		10/7/2023	100				
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Hexachloroethane	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Hexachloropropene	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000			< 120		< 120	U		10/11/2023	120				
Isobutyl alcohol	UG/L	UNKNOWN	TA				< 800		< 4000	U		10/7/2023	4000				
Isodrin	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Isophorone	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Isosafrole	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Kepone	UG/L	#N/A	TA	#N/A			< 13000		< 13000	U		10/11/2023	13000		#N/A		
Methacrylonitrile	UG/L	8260B	TA	20.000			< 100		< 500	U		10/7/2023	500				
Methapyrene	UG/L	8270C	TA	100.000			< 13000		< 13000	U		10/11/2023	13000				
Methoxychlor	UG/L	8081A	TA	100.000			< 1.3		< 2.5	U		10/10/2023	2.5				
Methyl methacrylate	UG/L	8260B	TA	10.000			< 20		< 100	U		10/7/2023	100				
Methyl methanesulfonate	UG/L	8270C	TA	30.000			< 2500		< 2500	U		10/11/2023	2500				
Methyl parathion	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
m-Dinitrobenzene	UG/L	8270C	TA	10.000			< 5000		< 5000	U		10/11/2023	5000				
Naphthalene	UG/L	8270C	TA	10.000			< 20		< 100	U		10/7/2023	100				
Nitrobenzene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
N-Nitrosodimethylamine	UG/L	8270C	TA				< 2500		< 2500	U		10/11/2023	2500				
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
N-Nitrosodiphenylamine	UG/L	8270C	TA				< 1300		< 1300	U		10/11/2023	1300				
N-Nitrosodipropylamine	UG/L	8270C	TA				< 1300		< 1300	U		10/11/2023	1300				
N-Nitrosomethylethalamine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
N-Nitrosopiperidine	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000			< 2500		< 2500	U		10/11/2023	2500				
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
o-Toluidine	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Parathion	UG/L	8270C	TA	0.500			< 2500		< 2500	U		10/11/2023	2500				
PCB 1016	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1221	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1232	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1242	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1248	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1254	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1260	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1262	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
PCB 1268	UG/L	8082	TA				< 2.5		< 2.5	U		10/9/2023	2.5				
p-Chloroaniline	UG/L	8270C	TA	20.000			< 1300		< 1300	U		10/11/2023	1300				
Pentachlorobenzene	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
Pentachloroethane	UG/L	8260B	TA				< 20		< 100	U		10/7/2023	100				
Pentachloronitrobenzene	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Pentachlorophenol	UG/L	8270C	TA	50.000			< 2500		< 2500	U		10/11/2023	2500				
Phenacetin	UG/L	8270C	TA	20.000			< 2500		< 2500	U		10/11/2023	2500				
Phenanthrene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				
Phenols	UG/L	8270C	TA				< 1300		< 1300	U		10/11/2023	1300				
Phorate	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				
p-Phenylenediamine	UG/L	8270C	TA	10.000			< 200000		< 200000	U		10/11/2023	200000				
Pronamide	UG/L	8270C	TA	10.000			< 2500		< 2500	U		10/11/2023	2500				

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All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000			< 200		< 1000	U		10/7/2023	1000				
Pyrene	UG/L	8270C	TA	10.000			< 1300		< 1300	U		10/11/2023	1300				

APPENDIX C
SECTION 4
SECONDARY LEACHATE DATA

The 2023 secondary leachate results have been included in both the 2023 Second Quarter and Fourth Quarter monitoring reports. Included within this section are the water quality comparison tables including the 2023 monitoring results for the secondary leachate monitoring locations.

DATE SAMPLED: NS

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY

< Detected concentration lower than reporting detection limit

* Exceeds groundwater standards

Exceeds appropriate statistical trigger

All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type:

None

[illegible]

DATE SAMPLED: NS

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY Event Type: None

- < Detected concentration lower than reporting detection limit
- * Exceeds groundwater standards
- # Exceeds appropriate statistical trigger

All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

[illegible]

DATE SAMPLED: NS

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY Event Type: None

< Detected concentration lower than reporting detection limit

* Exceeds groundwater standards

Exceeds appropriate statistical trigger

All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

[illegible]

DATE SAMPLED: NS

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY Event Type: None

- < Detected concentration lower than reporting detection limit
- * Exceeds groundwater standards
- # Exceeds appropriate statistical trigger

All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

[illegible]

LAB ID: 480-213394-4
LOCATION: P2SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters																	
pH (Field)	SU	Field Sampling	TA		7.4		7.81		7.03			10/5/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		2140		1601		1312			10/5/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		366.8		163		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA		16.5		10.2		19.1			10/5/2023					
Turbidity (Field)	NTU	Field Sampling	TA		1.2		0.01		1.48			10/5/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	420		409		268			10/6/2023	50				
Ammonia	MG/L	350	TA	0.060	0.18		0.045		< 0.02	U		10/11/2023	0.02		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	3		< 2		< 2	U		10/6/2023	2				
Bromide	MG/L	SM 4110B	TA		< 1		< 2		< 4	U		10/12/2023	4		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	13.1		< 5		7.1			10/10/2023	5				
Chloride	MG/L	SM 4500 Cl- E	TA		19.7		4.9		22			10/7/2023	1		250		
Nitrate	MG/L	Nitrate by calc	TA		0.36		0.27		2.1			10/6/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		< 5		< 0.005		< 0.005	U		10/9/2023	0.005		0.001		
Sulfate	MG/L	9038	TA		70.2		371		363		*	10/6/2023	55		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	1442		1480		936		*	10/9/2023	10		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		593		1550		1350			10/10/2023	13.1				
Total Kjeldahl Nitrogen	MG/L	351	TA		3.64		0.63		0.23			10/9/2023	0.2				
Total Organic Carbon	MG/L	9060A	TA		5.8		4.2		3.7			10/10/2023	1				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.0005		< 0.0005		< 0.0005	U		10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA		162		306		177			10/18/2023	0.5				
Iron, Total	MG/L	6010C	TA		0.0441		< 0.05		0.056			10/18/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	< 0.0016		< 0.001		< 0.001	U		10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA		45.7		67.9		52.5		*	10/18/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		0.756		0.099		0.018			10/18/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		5.08		6.9		6.9			10/26/2023	0.5				
Sodium, Total	MG/L	6010C	TA		46		9.7		22		*	10/19/2023	1		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		< 5		10		10			10/6/2023	5		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01		< 0.01		0.016			10/17/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		0.0357		< 0.2		< 0.2	U		10/18/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	0.0559		< 0.02		< 0.02	U		10/18/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	0.0045		< 0.001		< 0.001	U		10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.142		0.041		0.031			10/18/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	< 0.0003		< 0.002		< 0.002	U		10/18/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA		0.0332		0.085		0.12			10/24/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600			< 0.01		< 0.01	U		10/6/2023	0.01		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	< 0.02		< 0.004		< 0.004	U		10/18/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	0.0143		< 0.004		< 0.004	U		10/18/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	0.0029		< 0.01		< 0.01	U		10/18/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0001		< 0.0002		< 0.0002	U		10/9/2023	0.0002		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	< 0.0009		< 0.01		< 0.01	U		10/18/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.0024		< 0.001		< 0.001	U		10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000	< 0.0018		< 0.0005		< 0.0005	U		10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.0016		< 0.0002		< 0.0002	U		10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	< 0.0042		< 0.005		< 0.005	U		10/18/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0.0208		< 0.01		< 0.01	U		10/18/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 10		< 1		< 1	U		10/7/2023	1		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 10		< 1		< 1	U		10/7/2023	1		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 10		< 1		< 1	U		10/7/2023	1		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U		10/7/2023	1		3		

LAB ID: 480-213394-4
LOCATION: P2SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 POL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		3		
2-Butanone	UG/L	8260C	TA	100.000	< 10		< 10		< 10	U	10/7/2023	10		50		
2-Hexanone	UG/L	8260C	TA	50.000	< 10		< 5		< 5	U	10/7/2023	5		50		
Acetone	UG/L	8260C	TA	100.000	< 10		< 10		< 10	U	10/7/2023	10		50		
Acrylonitrile	UG/L	8260C	TA	200.000	< 25		< 5		< 5	U	10/7/2023	5		5		
Benzene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		1		
Bromochloromethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Bromodichloromethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		50		
Bromoform	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		50		
Bromomethane	UG/L	8260C	TA		< 10		< 1		< 1	U	10/7/2023	1		5		
Carbon disulfide	UG/L	8260C	TA	100.000	< 5		< 1		< 1	U	10/7/2023	1		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Chlorobenzene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Chloroethane	UG/L	8260C	TA		< 10		< 1		< 1	U	10/7/2023	1		5		
Chloroform	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		7		
Chloromethane	UG/L	8260C	TA		< 10		< 1		< 1	U	10/7/2023	1		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 1		< 1	U	10/7/2023	1		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		50		
Dibromomethane	UG/L	8260C	TA	10.000	< 10		< 1		< 1	U	10/7/2023	1		5		
Ethylbenzene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Iodomethane	UG/L	8260C	TA	10.000	< 10		< 1		< 1	U	10/7/2023	1		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 10		< 1		< 1	U	10/7/2023	1				
Methylene chloride	UG/L	8260C	TA	10.000	< 5		< 5		< 5	U	10/7/2023	5		5		
Styrene	UG/L	8260C	TA	10.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Tetrachloroethene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Toluene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 1		< 1	U	10/7/2023	1		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 10		< 5		< 5	U	10/7/2023	5		5		
Trichloroethene	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5		< 1		< 1	U	10/7/2023	1		5		
Vinyl acetate	UG/L	8260C	TA	50.000	< 10		< 5		< 5	U	10/7/2023	5				
Vinyl chloride	UG/L	8260C	TA	10.000	< 10		< 1		< 1	U	10/7/2023	1		2		
m/p-Xylenes	UG/L	8260C	TA	5.000	< 10		< 2		< 2	U	10/7/2023	2		5		
o-Xylene	UG/L	8260C	TA	5.000	< 10		< 1		< 1	U	10/7/2023	1		5		
Expanded Parameters																
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A	< 0.2		< 10		< 10	U	10/11/2023	10		#N/A		
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U	10/11/2023	10				
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U	10/11/2023	5		#N/A		
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000	< 5		< 1		< 1	U	10/7/2023	1				
1,4-Naphthoquinone	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U	10/11/2023	10				
1-Naphthylamine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U	10/11/2023	10				
2,2-Dichloropropane	UG/L	8260B	TA	15.000	< 5		< 1		< 1	U	10/7/2023	1				
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U	10/11/2023	5		#N/A		
2,4,5-T	UG/L	8151A	TA		< 0.1		< 0.51		< 0.48	U	10/11/2023	0.48				
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 5		< 5	U	10/11/2023	5		#N/A		
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U	10/11/2023	5		#N/A		
2,4-D	UG/L	8151A	TA		< 0.5		< 0.51		< 0.48	U	10/11/2023	0.48				
2,4-Dichlorophenol	UG/L	8270C	TA	10.000			< 5		< 5	U	10/11/2023	5				
2,4-Dimethylphenol	UG/L	8270C	TA	10.000			< 5		< 5	U	10/11/2023	5				
2,4-Dinitrophenol	UG/L	8270C	TA	10.000			< 10		< 10	U	10/11/2023	10				
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000			< 5		< 5	U	10/11/2023	5				
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A	< 5		< 10		< 10	U	10/11/2023	10		#N/A		
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U	10/11/2023	5				
2-Acetylaminofluorene	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U	10/11/2023	10				
2-Chloronaphthalene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U	10/11/2023	5				
2-Chlorophenol	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U	10/11/2023	5				
2-Methylnaphthalene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U	10/11/2023	5				
2-Methylphenol	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U	10/11/2023	5				

LAB ID: 480-213394-4
LOCATION: P2SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
2-Nitroaniline	UG/L	8270C	TA	50.000	< 26		< 10		< 10	U		10/11/2023	10				
2-Nitrophenol	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
3 & 4 Methylphenol	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000	< 10		< 1		< 1	U		10/7/2023	1				
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 5		< 5	U		10/11/2023	5				
3,3'-Dimethylbenzidine	UG/L	8270C	TA		< 5		< 40		< 40	U		10/11/2023	40				
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A	< 5		< 10		< 10	U		10/11/2023	10	#N/A			
3-Methylphenol	UG/L	8270C	TA				< 10		< 10	U		10/11/2023	10				
3-Nitroaniline	UG/L	8270C	TA	50.000	< 26		< 10		< 10	U		10/11/2023	10				
4,4-DDD	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05				
4,4-DDE	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05				
4,4-DDT	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05				
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000	< 26		< 10		< 10	U		10/11/2023	10				
4-Aminobiphenyl	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10				
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U		10/11/2023	5	#N/A			
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000	< 5		< 5		< 5	U		10/11/2023	5				
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
4-Methylphenol	UG/L	8270C	TA	20.000			< 10		< 10	U		10/11/2023	10				
4-Nitroaniline	UG/L	8270C	TA	50.000	< 26		< 10		< 10	U		10/11/2023	10				
4-Nitrophenol	UG/L	8270C	TA		< 26		< 10		< 10	U		10/11/2023	10				
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
Acenaphthene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Acenaphthylene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Acetonitrile	UG/L	8260B	TA		< 200		< 40		< 40	U		10/7/2023	40				
Acetophenone	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Acrolein	UG/L	8260B	TA	100.000	< 100		< 20		< 20	U		10/7/2023	20				
Aldrin	UG/L	8081A	TA	10.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05				
Allyl chloride	UG/L	8260B	TA	10.000	< 10		< 1		< 1	U		10/7/2023	1				
alpha-BHC	UG/L	8081A	TA	10.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05				
Anthracene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Benzo[a]anthracene	UG/L	8270C	TA	10.000	< 5		< 0.36		< 0.36	U		10/11/2023	0.36				
Benzo[a]pyrene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000	< 5		< 0.34		< 0.34	U		10/11/2023	0.34				
Benzo[ghi]perylene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000	< 5		< 0.73		< 0.73	U		10/11/2023	0.73				
Benzyl alcohol	UG/L	8270C	TA	20.000	< 5		< 20		< 20	U		10/11/2023	20				
beta-BHC	UG/L	8081A	TA	20.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05				
Bis-(2-chloro-1-methyl- ethyl)ether	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U		10/11/2023	5	#N/A			
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U		10/11/2023	5	#N/A			
Butyl benzyl phthalate	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Chlordane	UG/L	8081A	TA	50.000	< 0.51		< 0.5		< 0.5	U		10/10/2023	0.5				
Chlorobenzilate	UG/L	8270C	TA	10.000	< 5		< 20		< 20	U		10/11/2023	20				
Chrysene	UG/L	8270C	TA	10.000	< 5		< 0.33		< 0.33	U		10/11/2023	0.33				
delta-BHC	UG/L	8081A	TA	20.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05				
Diallate	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Dibenzofuran	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A			
Dieldrin	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05				
Diethyl phthalate	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Dimethoate	UG/L	8270C	TA	20.000	< 0.2		< 10		< 10	U		10/11/2023	10				
Dimethyl phthalate	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A	< 5		< 5		< 5	U		10/11/2023	5	#N/A			
Di-n-octyl phthalate	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5				
Dinoseb	UG/L	8270C	TA	20.000	< 0.2		< 10		< 10	U		10/11/2023	10				
Diphenylamine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10				
Disulfoton	UG/L	8270C	TA	10.000	< 0.2		< 10		< 10	U		10/11/2023	10				
Endosulfan I	UG/L	8081A	TA	20.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05				
Endosulfan II	UG/L	8081A	TA	20.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05				

LAB ID: 480-213394-4
LOCATION: P2SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND RESULT	2023Q1 RESULT	2023Q2 RESULT	2023Q3 RESULT	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		
Endosulfan sulfate	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05			
Endrin	UG/L	8081A	TA	20.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05			
Endrin aldehyde	UG/L	8081A	TA	10.000	< 0.1		< 0.05		< 0.05	U		10/10/2023	0.05			
Endrin ketone	UG/L	8081A	TA				-		-	-		-	-			
Ethyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 1		< 1	U **		10/7/2023	1			
Ethyl methanesulfonate	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
Famphur	UG/L	8270C	TA	20.000	< 0.2		< 40		< 40	U		10/11/2023	40			
Fluoranthene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Fluorene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
gamma-BHC; Lindane	UG/L	8081A	TA	20.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05			
Heptachlor	UG/L	8081A	TA	10.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05			
Heptachlor epoxide	UG/L	8081A	TA	10.000	< 0.05		< 0.05		< 0.05	U		10/10/2023	0.05			
Hexachlorobenzene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Hexachlorobutadiene	UG/L	8260B	TA	10.000			< 1		< 1	U		10/7/2023	1			
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Hexachloroethane	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Hexachloropropene	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000	< 5		< 0.47		< 0.47	U		10/11/2023	0.47			
Isobutyl alcohol	UG/L	UNKNOWN	TA		< 200		< 40		< 40	U		10/7/2023	40			
Isodrin	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
Isophorone	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Isosafrole	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
Kepone	UG/L	#N/A	TA	#N/A	< 5		< 50		< 50	U		10/11/2023	50		#N/A	
Methacrylonitrile	UG/L	8260B	TA	20.000	< 100		< 5		< 5	U		10/7/2023	5			
Methapyrene	UG/L	8270C	TA	100.000	< 5		< 50		< 50	U		10/11/2023	50			
Methoxychlor	UG/L	8081A	TA	100.000	0.5		< 0.05		< 0.05	U		10/10/2023	0.05			
Methyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 1		< 1	U		10/7/2023	1			
Methyl methanesulfonate	UG/L	8270C	TA	30.000	< 5		< 10		< 10	U		10/11/2023	10			
Methyl parathion	UG/L	8270C	TA	10.000	< 0.2		< 10		< 10	U		10/11/2023	10			
m-Dinitrobenzene	UG/L	8270C	TA	10.000	< 5		< 20		< 20	U		10/11/2023	20			
Naphthalene	UG/L	8270C	TA	10.000	< 5		< 1		< 1	U		10/7/2023	1			
Nitrobenzene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
N-Nitrosodimethylamine	UG/L	8270C	TA		< 5		< 10		< 10	U		10/11/2023	10			
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
N-Nitrosodiphenylamine	UG/L	8270C	TA		< 5		< 5		< 5	U		10/11/2023	5			
N-Nitrosodipropylamine	UG/L	8270C	TA		< 5		< 5		< 5	U		10/11/2023	5			
N-Nitrosomethylethylamine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
N-Nitrosopiperidine	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000	< 5		< 10		< 10	U		10/11/2023	10			
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
o-Toluidine	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
Parathion	UG/L	8270C	TA	0.500	< 0.2		< 10		< 10	U		10/11/2023	10			
PCB 1016	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1221	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1232	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1242	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1248	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1254	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1260	UG/L	8082	TA		< 0.066		< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1262	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5			
PCB 1268	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5			
p-Chloroaniline	UG/L	8270C	TA	20.000	< 5		< 5		< 5	U		10/11/2023	5			
Pentachlorobenzene	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			
Pentachloroethane	UG/L	8260B	TA				< 1		< 1	U		10/7/2023	1			
Pentachloronitrobenzene	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
Pentachlorophenol	UG/L	8270C	TA	50.000	< 26		< 10		< 10	U		10/11/2023	10			
Phenacetin	UG/L	8270C	TA	20.000	< 5		< 10		< 10	U		10/11/2023	10			
Phenanthrene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			
Phenols	UG/L	8270C	TA				< 5		< 5	U		10/11/2023	5			
Phorate	UG/L	8270C	TA	10.000	< 0.2		< 10		< 10	U		10/11/2023	10			
p-Phenylenediamine	UG/L	8270C	TA	10.000	< 5		< 800		< 800	U		10/11/2023	800			
Pronamide	UG/L	8270C	TA	10.000	< 5		< 10		< 10	U		10/11/2023	10			

LAB ID: 480-213394-4
LOCATION: P2SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
						RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT	LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000	< 100		< 10		< 10	U		10/7/2023	10			
Pyrene	UG/L	8270C	TA	10.000	< 5		< 5		< 5	U		10/11/2023	5			

LAB ID: 480-213346-3
LOCATION: P3S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters																	
pH (Field)	SU	Field Sampling	TA		7.19		7.37		6.85			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		4830		1643		6996			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		-201		-87		291			10/4/2023					
Temperature (Field Test)	DEGREES C	Field Sampling	TA		18.1		8.8		18.8			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		6		22.5		2.57			10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	2958		494		522			10/5/2023	100				
Ammonia	MG/L	350	TA	0.060	297.12		11.7		20.8		*	10/6/2023	0.5		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000			5.3		20.8			10/5/2023	2				
Bromide	MG/L	SM 4110B	TA				< 2		5.8		*	10/11/2023	2		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	4938		238		373			10/6/2023	20				
Chloride	MG/L	SM 4500 Cl- E	TA		621.4		133		1580		*	10/5/2023	62		250		
Nitrate	MG/L	Nitrate by calc	TA		< 0.02		5.3		22500		*	10/5/2023	5		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		< 0.002		0.0078		< 0.005	U		10/6/2023	0.005		0.001		
Sulfate	MG/L	9038	TA		59		140		225			10/6/2023	35		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	5520		532		4890	H	*	10/12/2023	40		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		2247		2150		900			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA				137		24.3			10/9/2023	10				
Total Organic Carbon	MG/L	9060A	TA		240.4		127		120			10/7/2023	4				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.005		0.026		0.00087			10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA		531.1		525		490			10/23/2023	0.5				
Iron, Total	MG/L	6010C	TA		231.3		208		5.5		*	10/23/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	0.005		0.26		0.0022			10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA		170.9		31.8		88.6		*	10/23/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		10.7		113		4.9		*	10/23/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		226		30.9		133	^+ ^2		10/23/2023	0.5				
Sodium, Total	MG/L	6010C	TA		504		78.7		841		*	10/25/2023	5		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		55		-		500		*	10/5/2023	100		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01		-		0.039			10/13/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		0.2		-		0.31			10/23/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	0.01		-		< 0.02	U		10/23/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	0.006		-		0.006			10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.788		-		0.31			10/23/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	0.005		-		< 0.002	U		10/23/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA		0.25		-		1.8	^+ ^2	*	10/23/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600			-		< 0.01	U		10/5/2023	0.01		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	15.9		-		0.019			10/23/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070			-		0.022		*	10/23/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	0.02		-		0.093			10/23/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0001		-		0.00041			10/6/2023	0.0004		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0.04		-		0.28		*	10/23/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.004		-		0.0011			10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000	0.02		-		< 0.0005	U		10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.0034		-		0.00032			10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080			-		< 0.005	U		10/23/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0.05		-		0.13			10/23/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	28		-		< 5	U		10/5/2023	5		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000			-		< 5	U		10/5/2023	5		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000			-		< 5	U		10/5/2023	5		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		3		

LAB ID: 480-213346-3
 LOCATION: P3S1SCS
 HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
 WATER QUALITY COMPARISON
 4th QUARTER
 2023

KEY
 < Detected concentration lower than reporting detection limit
 * Exceeds groundwater standards
 # Exceeds appropriate statistical trigger
 All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q3	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 5		-		< 5	U		10/5/2023	5		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 5		-		< 5	U		10/5/2023	5		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000			-		< 5	U		10/5/2023	5		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		3		
2-Butanone	UG/L	8260C	TA	100.000			-		< 50	U		10/5/2023	50		50		
2-Hexanone	UG/L	8260C	TA	50.000			-		< 25	U		10/5/2023	25		50		
Acetone	UG/L	8260C	TA	100.000			-		< 50	U		10/5/2023	50		50		
Acrylonitrile	UG/L	8260C	TA	200.000			-		< 25	U		10/5/2023	25		5		
Benzene	UG/L	8260C	TA	5.000	< 5		-		< 5	U		10/5/2023	5		1		
Bromochloromethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
Bromodichloromethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		50		
Bromoform	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		50		
Bromomethane	UG/L	8260C	TA				-		< 5	U		10/5/2023	5		5		
Carbon disulfide	UG/L	8260C	TA	100.000			-		< 5	U *		10/5/2023	5		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000			-		< 5	U		10/5/2023	5		5		
Chlorobenzene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
Chloroethane	UG/L	8260C	TA		13.8		-		< 5	U		10/5/2023	5		5		
Chloroform	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		7		
Chloromethane	UG/L	8260C	TA				-		< 5	U		10/5/2023	5		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000			-		< 5	U		10/5/2023	5		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		50		
Dibromomethane	UG/L	8260C	TA	10.000			-		< 5	U		10/5/2023	5		5		
Ethylbenzene	UG/L	8260C	TA	5.000	21.9		-		< 5	U		10/5/2023	5		5		
Iodomethane	UG/L	8260C	TA	10.000			-		< 5	U		10/5/2023	5		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000			-		< 5	U		10/5/2023	5				
Methylene chloride	UG/L	8260C	TA	10.000			-		< 25	U		10/5/2023	25		5		
Styrene	UG/L	8260C	TA	10.000			-		< 5	U		10/5/2023	5		5		
Tetrachloroethene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
Toluene	UG/L	8260C	TA	5.000	42.3		-		< 5	U		10/5/2023	5		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000			-		< 5	U		10/5/2023	5		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		-		< 5	U		10/5/2023	5		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000			-		< 25	U		10/5/2023	25		5		
Trichloroethene	UG/L	8260C	TA	5.000	13.7		-		< 5	U		10/5/2023	5		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	92.1		-		< 5	U		10/5/2023	5		5		
Vinyl acetate	UG/L	8260C	TA	50.000			-		< 25	U		10/5/2023	25				

LAB ID: 480-213346-4
LOCATION: P3S23SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA		6.72		7.28		6.8			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		1611		1502		2022			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		146		-67		294			10/4/2023					
Temperature (Field Test)	DEGREES C	Field Sampling	TA		16.1		6.9		17.7			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		22		39.3		8.27		*	10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	246		487		570			10/5/2023	100				
Ammonia	MG/L	350	TA	0.060	< 0.1		0.077		0.43			10/6/2023	0.02		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000			< 2		< 2	U		10/5/2023	2				
Bromide	MG/L	SM 4110B	TA				< 1		< 1	U		10/11/2023	1		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	< 5		9.1		9.3			10/6/2023	5				
Chloride	MG/L	SM 4500 Cl- E	TA		72.1		18.4		66.3			10/5/2023	5		250		
Nitrate	MG/L	Nitrate by calc	TA		0.37		0.71		2.4			10/5/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		< 0.002		< 0.005		< 0.005	U		10/6/2023	0.005		0.001		
Sulfate	MG/L	9038	TA		915		264		589		*	10/6/2023	100		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	1810		4340		1540		*	10/7/2023	40		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		1399		1350		720			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA				0.43		1.2			10/9/2023	0.2				
Total Organic Carbon	MG/L	9060A	TA		4.8		3.6		3.5			10/7/2023	1				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.005		< 0.0005		< 0.0005	U		10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA		422.7		306		384			10/23/2023	0.5				
Iron, Total	MG/L	6010C	TA		2.55		9.9		5.1		*	10/23/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	0.005		< 0.001		< 0.001	U		10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA		59.5		56.8		82.8		*	10/23/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		0.547		0.6		0.82		*	10/23/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		8.1		4.8		129			10/25/2023	0.5				
Sodium, Total	MG/L	6010C	TA		10.7		12.4		27.9	^+	*	10/23/2023	1		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		22		-		10			10/5/2023	5		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01		-		< 0.01	U		10/6/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		0.42		-		< 0.2	U		10/23/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	0.06		-		< 0.02	U		10/23/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	< 0.0037		-		0.0011			10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.2		-		0.027			10/23/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	0.005		-		< 0.002	U		10/23/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA				-		1.8		*	10/25/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600			-		< 0.01	U		10/5/2023	0.01		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	< 0.02		-		< 0.004	U		10/23/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070			-		< 0.004	U		10/23/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	0.02		-		< 0.01	U		10/23/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0001		-		< 0.0002	U		10/6/2023	0.0002		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	0.04		-		< 0.01	U		10/23/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.004		-		< 0.001	U		10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000	0.01		-		< 0.0005	U		10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.0034		-		< 0.0002	U		10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080			-		< 0.005	U		10/23/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0.01		-		0.016			10/23/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5		-		< 1	U		10/6/2023	1		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000			-		< 1	U		10/6/2023	1		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000			-		< 1	U		10/6/2023	1		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		3		

LAB ID: 480-213346-4
 LOCATION: P3S23SCS
 HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
 WATER QUALITY COMPARISON
 4th QUARTER
 2023

KEY
 < Detected concentration lower than reporting detection limit
 * Exceeds groundwater standards
 # Exceeds appropriate statistical trigger
 All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000			-		< 1	U		10/6/2023	1		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		3		
2-Butanone	UG/L	8260C	TA	100.000			-		< 10	U		10/6/2023	10		50		
2-Hexanone	UG/L	8260C	TA	50.000			-		< 5	U		10/6/2023	5		50		
Acetone	UG/L	8260C	TA	100.000			-		< 10	U		10/6/2023	10		50		
Acrylonitrile	UG/L	8260C	TA	200.000			-		< 5	U		10/6/2023	5		5		
Benzene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		1		
Bromochloromethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
Bromodichloromethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		50		
Bromoform	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		50		
Bromomethane	UG/L	8260C	TA				-		< 1	U		10/6/2023	1		5		
Carbon disulfide	UG/L	8260C	TA	100.000			-		< 1	U		10/6/2023	1		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		5		
Chlorobenzene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
Chloroethane	UG/L	8260C	TA		< 10		-		< 1	U		10/6/2023	1		5		
Chloroform	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		7		
Chloromethane	UG/L	8260C	TA				-		< 1	U		10/6/2023	1		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		50		
Dibromomethane	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		5		
Ethylbenzene	UG/L	8260C	TA	5.000	7.03		-		< 1	U		10/6/2023	1		5		
Iodomethane	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000			-		< 1	U		10/6/2023	1				
Methylene chloride	UG/L	8260C	TA	10.000			-		< 5	U		10/6/2023	5		5		
Styrene	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		5		
Tetrachloroethene	UG/L	8260C	TA	5.000	5.6		-		< 1	U		10/6/2023	1		5		
Toluene	UG/L	8260C	TA	5.000	19.6		-		< 1	U		10/6/2023	1		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000			-		< 1	U		10/6/2023	1		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000			-		< 1	U		10/6/2023	1		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000			-		< 5	U		10/6/2023	5		5		
Trichloroethene	UG/L	8260C	TA	5.000	< 5		-		< 1	U		10/6/2023	1		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5		-		< 1	U		10/6/2023	1		5		
Vinyl acetate	UG/L	8260C	TA	50.000			-		< 5	U		10/6/2023	5				

LAB ID: 480-213346-2
LOCATION: P130VRSCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA		7.94		6.89		6.9			10/4/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA		1120		4838		5306			10/4/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		96		-25		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA		16.4		9.6		18.2			10/4/2023					
Turbidity (Field)	NTU	Field Sampling	TA		3.19		26.1		99.6		*	10/4/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	540		1560		1520			10/5/2023	200				
Ammonia	MG/L	350	TA	0.060	< 0.5		126		147		*	10/6/2023	2		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	< 4		5		50.6			10/5/2023	6				
Bromide	MG/L	SM 4110B	TA		< 20		4.8		5.1		*	10/11/2023	4		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	38		889		761			10/6/2023	50				
Chloride	MG/L	SM 4500 Cl- E	TA		46.3		794		995		*	10/5/2023	48		250		
Nitrate	MG/L	Nitrate by calc	TA		< 0.05		< 0.05		0.09			10/5/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA		0.009		0.0071		0.013		*	10/6/2023	0.005		0.001		
Sulfate	MG/L	9038	TA		119		< 5		< 5		U	10/6/2023	5		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	780		5450		2920		*	10/7/2023	100		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA		627		660		1520			10/10/2023	5.3				
Total Kjeldahl Nitrogen	MG/L	351	TA		2.43		171		166			10/9/2023	10				
Total Organic Carbon	MG/L	9060A	TA		10.4		221		261			10/7/2023	10				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.005		< 0.0005		< 0.0005		U	10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA		184		289		359			10/23/2023	0.5				
Iron, Total	MG/L	6010C	TA		0.619		14.5		24		*	10/23/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400	< 0.003		< 0.001		< 0.001		U	10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA		40.9		109		119		*	10/23/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA		5.02		1.2		1.4		*	10/23/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA		< 5		39.5		46.2		^+ ^2	10/23/2023	0.5				
Sodium, Total	MG/L	6010C	TA		41.6		466		547		^+	10/23/2023	1		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		13		120		600		*	10/5/2023	50		15		
Cyanide, Total	MG/L	9012B	TA		< 0.01		< 0.01		0.016			10/6/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		< 0.1		< 0.2		< 0.2		U	10/23/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300	< 0.005		< 0.02		< 0.02		U	10/23/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001	< 0.005		0.206		0.214		*	10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020	0.475		4.1		5.4		*	10/23/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003	< 0.003		< 0.002		< 0.002		U	10/23/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA		< 0.5		2.7		3.2		^+	10/23/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600	< 0.01		0.012		0.018			10/5/2023	0.01		0.05		
Chromium, Total	MG/L	6010C	TA	0.070	< 0.01		0.0049		0.0063			10/23/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070	< 0.02		0.014		0.019		*	10/23/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060	< 0.01		< 0.01		< 0.01		U	10/23/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0002		< 0.0004		< 0.0006		U	10/6/2023	0.0006		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150	< 0.03		0.066		0.056			10/23/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750	< 0.003		0.0011		0.0014			10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000	< 0.01		< 0.0005		< 0.0005		U	10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400	< 0.003		< 0.0002		< 0.0002		U	10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080	< 0.03		< 0.005		0.0059			10/23/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020	0.0187		< 0.01		0.013			10/23/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 5		< 20		< 20		U	10/5/2023	20		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 10		< 20		< 20		U	10/5/2023	20		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 20		< 20		U	10/5/2023	20		3		

LAB ID: 480-213346-2
LOCATION: P130VRSCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		3		
2-Butanone	UG/L	8260C	TA	100.000	< 10		< 200		< 200	U	10/5/2023	200		50		
2-Hexanone	UG/L	8260C	TA	50.000	< 10		< 100		< 100	U	10/5/2023	100		50		
Acetone	UG/L	8260C	TA	100.000	< 10		< 200		< 200	U	10/5/2023	200		50		
Acrylonitrile	UG/L	8260C	TA	200.000	< 100		< 100		< 100	U	10/5/2023	100		5		
Benzene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		1		
Bromochloromethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Bromodichloromethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		50		
Bromoform	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		50		
Bromomethane	UG/L	8260C	TA		< 5		< 20		< 20	U	10/5/2023	20		5		
Carbon disulfide	UG/L	8260C	TA	100.000	< 5		< 20		< 20	U *	10/5/2023	20		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Chlorobenzene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Chloroethane	UG/L	8260C	TA		< 5		< 20		< 20	U	10/5/2023	20		5		
Chloroform	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		7		
Chloromethane	UG/L	8260C	TA		< 5		< 20		< 20	U	10/5/2023	20		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		50		
Dibromomethane	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Ethylbenzene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Iodomethane	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 10		< 20		< 20	U	10/5/2023	20				
Methylene chloride	UG/L	8260C	TA	10.000	< 5		< 100		< 100	U	10/5/2023	100		5		
Styrene	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Tetrachloroethene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Toluene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 10		< 100		< 100	U	10/5/2023	100		5		
Trichloroethene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Vinyl acetate	UG/L	8260C	TA	50.000	< 50		< 100		< 100	U	10/5/2023	100				
Vinyl chloride	UG/L	8260C	TA	10.000	< 5		< 20		< 20	U	10/5/2023	20		2		
m/p-Xylenes	UG/L	8260C	TA	5.000	< 5		< 40		< 40	U	10/5/2023	40		5		
o-Xylene	UG/L	8260C	TA	5.000	< 5		< 20		< 20	U	10/5/2023	20		5		
Expanded Parameters																
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A	< 10		< 200		< 1000	U	10/6/2023	1000		#N/A		
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U	10/6/2023	1000				
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U *	10/6/2023	500		#N/A		
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000	< 10		< 20		< 20	U	10/5/2023	20				
1,4-Naphthoquinone	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U	10/6/2023	1000				
1-Naphthylamine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U	10/6/2023	1000				
2,2-Dichloropropane	UG/L	8260B	TA	15.000	< 5		< 20		< 20	U	10/5/2023	20				
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U	10/6/2023	500		#N/A		
2,4,5-T	UG/L	8151A	TA		< 1		< 5		< 10	U	10/11/2023	10				
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 25		< 100		< 500	U	10/6/2023	500		#N/A		
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U	10/6/2023	500		#N/A		
2,4-D	UG/L	8151A	TA		< 1		< 5		< 10	U	10/11/2023	10				
2,4-Dichlorophenol	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2,4-Dimethylphenol	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2,4-Dinitrophenol	UG/L	8270C	TA	10.000	< 25		< 200		< 1000	U	10/6/2023	1000				
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A	< 10		< 200		< 1000	U	10/6/2023	1000		#N/A		
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2-Acetylaminofluorene	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U	10/6/2023	1000				
2-Chloronaphthalene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2-Chlorophenol	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2-Methylnaphthalene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				
2-Methylphenol	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U	10/6/2023	500				

LAB ID: 480-213346-2
LOCATION: P130VRSCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
2-Nitroaniline	UG/L	8270C	TA	50.000	< 25		< 200		< 1000	U		10/6/2023	1000				
2-Nitrophenol	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
3 & 4 Methylphenol	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000	< 10		< 20		< 20	U		10/5/2023	20				
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 100		< 500	U		10/6/2023	500				
3,3'-Dimethylbenzidine	UG/L	8270C	TA		< 10		< 800		< 4000	U		10/6/2023	4000				
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A	< 10		< 200		< 1000	U		10/6/2023	1000	#N/A			
3-Methylphenol	UG/L	8270C	TA		< 100		< 200		< 1000	U		10/6/2023	1000				
3-Nitroaniline	UG/L	8270C	TA	50.000	< 25		< 200		< 1000	U		10/6/2023	1000				
4,4-DDD	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
4,4-DDE	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
4,4-DDT	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000	< 25		< 200		< 1000	U		10/6/2023	1000				
4-Aminobiphenyl	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U		10/6/2023	500	#N/A			
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000	< 10		< 100		< 500	U		10/6/2023	500				
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
4-Methylphenol	UG/L	8270C	TA	20.000			< 200		< 1000	U		10/6/2023	1000				
4-Nitroaniline	UG/L	8270C	TA	50.000	< 25		< 200		< 1000	U		10/6/2023	1000				
4-Nitrophenol	UG/L	8270C	TA		< 25		< 200		< 1000	U		10/6/2023	1000				
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Acenaphthene	UG/L	8270C	TA	10.000			< 100		< 500	U		10/6/2023	500				
Acenaphthylene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Acetonitrile	UG/L	8260B	TA		< 100		< 800		< 800	U		10/5/2023	800				
Acetophenone	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Acrolein	UG/L	8260B	TA	100.000	< 100		< 400		< 400	U		10/5/2023	400				
Aldrin	UG/L	8081A	TA	10.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Allyl chloride	UG/L	8260B	TA	10.000	< 5		< 20		< 20	U		10/5/2023	20				
alpha-BHC	UG/L	8081A	TA	10.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Anthracene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Benzo[a]anthracene	UG/L	8270C	TA	10.000			< 7.2		< 36	U		10/6/2023	36				
Benzo[a]pyrene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000	< 10		< 6.8		< 34	U		10/6/2023	34				
Benzo[ghi]perylene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000	< 10		< 15		< 73	U		10/6/2023	73				
Benzyl alcohol	UG/L	8270C	TA	20.000	< 10		< 400		< 2000	U		10/6/2023	2000				
beta-BHC	UG/L	8081A	TA	20.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Bis-(2-chloro-1-methyl- ethyl)ether	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U		10/6/2023	500	#N/A			
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A	4		< 100		< 500	U		10/6/2023	500	#N/A			
Butyl benzyl phthalate	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Chlordane	UG/L	8081A	TA	50.000	< 0.05		< 2.5		< 2.5	U		10/10/2023	2.5				
Chlorobenzilate	UG/L	8270C	TA	10.000	< 10		< 400		< 2000	U		10/6/2023	2000				
Chrysene	UG/L	8270C	TA	10.000	< 10		< 6.6		< 33	U		10/6/2023	33				
delta-BHC	UG/L	8081A	TA	20.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Diallate	UG/L	8270C	TA	10.000	< 20		< 200		< 1000	U		10/6/2023	1000				
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Dibenzofuran	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A			
Dieldrin	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
Diethyl phthalate	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Dimethoate	UG/L	8270C	TA	20.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Dimethyl phthalate	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A	< 10		< 100		< 500	U		10/6/2023	500	#N/A			
Di-n-octyl phthalate	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Dinoseb	UG/L	8270C	TA	20.000	< 1		< 200		< 1000	U		10/6/2023	1000				
Diphenylamine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Disulfoton	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Endosulfan I	UG/L	8081A	TA	20.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Endosulfan II	UG/L	8081A	TA	20.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				

LAB ID: 480-213346-2
LOCATION: P130VRSCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Endosulfan sulfate	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
Endrin	UG/L	8081A	TA	20.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
Endrin aldehyde	UG/L	8081A	TA	10.000	< 0.1		< 0.25		< 0.25	U		10/10/2023	0.25				
Endrin ketone	UG/L	8081A	TA		< 0.1		-		-	-		-	-				
Ethyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 20		< 20	U		10/5/2023	20				
Ethyl methanesulfonate	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
Famphur	UG/L	8270C	TA	20.000	< 20		< 800		< 4000	U		10/6/2023	4000				
Fluoranthene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Fluorene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
gamma-BHC; Lindane	UG/L	8081A	TA	20.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Heptachlor	UG/L	8081A	TA	10.000	< 0.05		< 0.25		< 0.25	U		10/10/2023	0.25				
Heptachlor epoxide	UG/L	8081A	TA	10.000	< 0.05		< 0.25		0.62			10/10/2023	0.25				
Hexachlorobenzene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Hexachlorobutadiene	UG/L	8260B	TA	10.000	< 10		< 20		< 20	U		10/5/2023	20				
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U*-		10/6/2023	500				
Hexachloroethane	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Hexachloropropene	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000	< 10		< 9.4		< 47	U		10/6/2023	47				
Isobutyl alcohol	UG/L	UNKNOWN	TA		< 1000		< 800		< 800	U		10/5/2023	800				
Isodrin	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
Isophorone	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Isosafrole	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Kepone	UG/L	#N/A	TA	#N/A	< 25		< 1000		< 5000	U		10/6/2023	5000		#N/A		
Methacrylonitrile	UG/L	8260B	TA	20.000	< 10		< 100		< 100	U		10/5/2023	100				
Methapyriline	UG/L	8270C	TA	100.000	< 100		< 1000		< 5000	U		10/6/2023	5000				
Methoxychlor	UG/L	8081A	TA	100.000	< 0.5		< 0.25		< 0.25	U		10/10/2023	0.25				
Methyl methacrylate	UG/L	8260B	TA	10.000	< 10		< 20		< 20	U		10/5/2023	20				
Methyl methanesulfonate	UG/L	8270C	TA	30.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Methyl parathion	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
m-Dinitrobenzene	UG/L	8270C	TA	10.000	< 10		< 400		< 2000	U		10/6/2023	2000				
Naphthalene	UG/L	8270C	TA	10.000	< 10		< 20		< 20	U		10/5/2023	20				
Nitrobenzene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
N-Nitrosodimethylamine	UG/L	8270C	TA		< 10		< 200		< 1000	U		10/6/2023	1000				
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
N-Nitrosodiphenylamine	UG/L	8270C	TA		< 10		< 100		< 500	U		10/6/2023	500				
N-Nitrosodipropylamine	UG/L	8270C	TA		< 10		< 100		< 500	U		10/6/2023	500				
N-Nitrosomethylethalamine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
N-Nitrosopiperidine	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000	< 40		< 200		< 1000	U		10/6/2023	1000				
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
o-Toluidine	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Parathion	UG/L	8270C	TA	0.500			< 200		< 1000	U		10/6/2023	1000				
PCB 1016	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1221	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1232	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1242	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1248	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1254	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1260	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1262	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1268	UG/L	8082	TA		< 1		< 0.5		< 0.5	U		10/9/2023	0.5				
p-Chloroaniline	UG/L	8270C	TA	20.000	< 10		< 100		< 500	U		10/6/2023	500				
Pentachlorobenzene	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
Pentachloroethane	UG/L	8260B	TA				< 20		< 20	U		10/5/2023	20				
Pentachloronitrobenzene	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
Pentachlorophenol	UG/L	8270C	TA	50.000	< 25		< 200		< 1000	U		10/6/2023	1000				
Phenacetin	UG/L	8270C	TA	20.000	< 20		< 200		< 1000	U		10/6/2023	1000				
Phenanthrene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				
Phenols	UG/L	8270C	TA		< 10		< 100		< 500	U		10/6/2023	500				
Phorate	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				
p-Phenylenediamine	UG/L	8270C	TA	10.000	< 10		< 16000		< 80000	U		10/6/2023	80000				
Pronamide	UG/L	8270C	TA	10.000	< 10		< 200		< 1000	U		10/6/2023	1000				

LAB ID: 480-213346-2
LOCATION: P130VRSCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/04/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000	< 100		< 200		< 200	U		10/5/2023	200				
Pyrene	UG/L	8270C	TA	10.000	< 10		< 100		< 500	U		10/6/2023	500				

LAB ID: 480-213394-6
LOCATION: P4S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 2019Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters						Not Sampled		Not Sampled									
pH (Field)	SU	Field Sampling	TA				6.67		6.34			10/5/2023					
Depth to Water from Monitoring Point	FT	Field Sampling	TA				-		-	-		-	-				
Dissolved Oxygen	MG/L	Field Sampling	TA				-		-	-		-	-				
Specific Conductivity	UMHOS/CM	Field Sampling	TA				2851		2079			10/5/2023					
Field EH/ORP	MILLIVOLTS	Field Sampling	TA				-25		-	-		-	-				
Temperature (Field Test)	DEGREES C	Field Sampling	TA				13		16.4			10/5/2023					
Turbidity (Field)	NTU	Field Sampling	TA				1.02		0.82			10/5/2023			5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000			768		685			10/6/2023	100				
Ammonia	MG/L	350	TA	0.060			1.3		1.1			10/11/2023	0.02		2		
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000			8.3		6.5			10/6/2023	3				
Bromide	MG/L	SM 4110B	TA			< 2		< 1	U F1			10/12/2023	1		2		
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000			19.5		18.7			10/10/2023	5				
Chloride	MG/L	SM 4500 Cl- E	TA				12.6		11.9	F1		10/7/2023	1		250		
Nitrate	MG/L	Nitrate by calc	TA				0.22		< 0.05	U		10/6/2023	0.05		10		
Phenolics, Total Recoverable	MG/L	9060A	TA			< 0.005		< 0.005	U F1			10/9/2023	0.005		0.001		
Sulfate	MG/L	9038	TA				896		557		*	10/6/2023	100		250		
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000			2290		1590		*	10/9/2023	20		500		
Total Hardness as CaCO3	MG/L	SM 2340C	TA				340		1700			10/10/2023	13.1				
Total Kjeldahl Nitrogen	MG/L	351	TA				2.7		2	F1		10/9/2023	0.2				
Total Organic Carbon	MG/L	9060A	TA				6.1		6.6			10/10/2023	1				
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040		< 0.0005		< 0.0005	U			10/10/2023	0.0005		0.005		
Calcium, Total	MG/L	6010C	TA				522		341			10/18/2023	0.5				
Iron, Total	MG/L	6010C	TA				31.4		22.2		*	10/18/2023	0.05		0.3		
Lead, Total	MG/L	6020A	TA	0.400		< 0.001		< 0.001	U			10/10/2023	0.001		0.025		
Magnesium, Total	MG/L	6010C	TA				122		68.1		*	10/18/2023	0.2		35		
Manganese, Total	MG/L	6010C	TA				22.4		16.9		*	10/18/2023	0.003		0.3		
Potassium, Total	MG/L	6010C	TA				10.3		7.4			10/26/2023	0.5				
Sodium, Total	MG/L	6010C	TA				74.2		76.8		*	10/19/2023	1		20		
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA				15		5			10/6/2023	5		15		
Cyanide, Total	MG/L	9012B	TA			< 0.01		< 0.01	U F1			10/17/2023	0.01		0.2		
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA			< 0.2		< 0.2	U			10/18/2023	0.2				
Antimony, Total	MG/L	6010C	TA	0.300		< 0.02		< 0.02	U			10/18/2023	0.02		0.003		
Arsenic, Total	MG/L	6020A	TA	0.001		0.0207		0.0144				10/10/2023	0.001		0.025		
Barium, Total	MG/L	6010C	TA	0.020		0.11		0.068				10/18/2023	0.002		1		
Beryllium, Total	MG/L	6010C	TA	0.003		< 0.002		< 0.002	U			10/18/2023	0.002		0.003		
Boron, Total	MG/L	6010C	TA			0.12		0.12				10/24/2023	0.02		1		
Chromium (Hexavalent)	MG/L	7196A	TA	0.600		< 0.01		< 0.1	U F1			10/6/2023	0.1		0.05		
Chromium, Total	MG/L	6010C	TA	0.070		< 0.004		< 0.004	U			10/18/2023	0.004		0.05		
Cobalt, Total	MG/L	6010C	TA	0.070		0.0065		< 0.004	U			10/18/2023	0.004		0.005		
Copper, Total	MG/L	6010C	TA	0.060		0.07		< 0.01	U			10/18/2023	0.01		0.2		
Mercury, Total	MG/L	7470A	TA	0.002		< 0.0002		< 0.0002	U			10/9/2023	0.0002		0.0007		
Nickel, Total	MG/L	6010C	TA	0.150		< 0.01		< 0.01	U			10/18/2023	0.01		0.1		
Selenium, Total	MG/L	6020A	TA	0.750		< 0.001		< 0.001	U			10/10/2023	0.001		0.01		
Silver, Total	MG/L	6020A	TA	0.000		< 0.0005		< 0.0005	U			10/10/2023	0.0005		0.05		
Thallium, Total	MG/L	6020A	TA	0.400		< 0.0002		< 0.0002	U			10/10/2023	0.0002		0.0005		
Vanadium, Total	MG/L	6010C	TA	0.080		< 0.005		< 0.005	U			10/18/2023	0.005				
Zinc, Total	MG/L	6010C	TA	0.020		0.041		< 0.01	U			10/18/2023	0.01		2		
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000		< 1		< 1	U F1			10/9/2023	1		5		
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000		< 1		< 1	U F1			10/9/2023	1		1		
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000		< 1		< 1	U			10/9/2023	1		0.2		
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000		< 1		< 1	U			10/9/2023	1		1		
1,1-Dichloroethane	UG/L	8260C	TA	5.000		1.2		< 1	U			10/9/2023	1		5		
1,1-Dichloroethene	UG/L	8260C	TA	5.000		< 1		< 1	U F1			10/9/2023	1		0.7		
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000		< 1		< 1	U			10/9/2023	1		0.04		
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000		< 1		< 1	U			10/9/2023	1		0.04		
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000		< 1		< 1	U F1			10/9/2023	1				
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000		< 1		< 1	U			10/9/2023	1		3		

LAB ID: 480-213394-6
LOCATION: P4S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

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Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 2019Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000			2.9		1.3		*	10/9/2023	1		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000			< 1		< 1	U		10/9/2023	1		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		3		
2-Butanone	UG/L	8260C	TA	100.000			< 10		< 10	U		10/9/2023	10		50		
2-Hexanone	UG/L	8260C	TA	50.000			< 5		< 5	U F1		10/9/2023	5		50		
Acetone	UG/L	8260C	TA	100.000			< 10		< 10	U		10/9/2023	10		50		
Acrylonitrile	UG/L	8260C	TA	200.000			< 5		< 5	U F1		10/9/2023	5		5		
Benzene	UG/L	8260C	TA	5.000			2.4		4.2		*	10/9/2023	1		1		
Bromochloromethane	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		5		
Bromodichloromethane	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		50		
Bromoform	UG/L	8260C	TA	5.000			< 1		< 1	U **		10/9/2023	1		50		
Bromomethane	UG/L	8260C	TA				< 1		< 1	U F2		10/9/2023	1		5		
Carbon disulfide	UG/L	8260C	TA	100.000			< 1		< 1	U		10/9/2023	1		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000			< 1		< 1	U		10/9/2023	1		5		
Chlorobenzene	UG/L	8260C	TA	5.000			< 1		< 1	U F1		10/9/2023	1		5		
Chloroethane	UG/L	8260C	TA				< 1		1.3	F2		10/9/2023	1		5		
Chloroform	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		7		
Chloromethane	UG/L	8260C	TA				< 1		< 1	U		10/9/2023	1		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000			3.9		3.8			10/9/2023	1		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000			< 1		< 1	U		10/9/2023	1		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		50		
Dibromomethane	UG/L	8260C	TA	10.000			< 1		< 1	U		10/9/2023	1		5		
Ethylbenzene	UG/L	8260C	TA	5.000			1.4		1.6	F1		10/9/2023	1		5		
Iodomethane	UG/L	8260C	TA	10.000			< 1		< 1	U		10/9/2023	1		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000			< 1		< 1	U		10/9/2023	1				
Methylene chloride	UG/L	8260C	TA	10.000			< 5		< 5	U		10/9/2023	5		5		
Styrene	UG/L	8260C	TA	10.000			< 1		< 1	U		10/9/2023	1		5		
Tetrachloroethene	UG/L	8260C	TA	5.000			< 1		< 1	U F1		10/9/2023	1		5		
Toluene	UG/L	8260C	TA	5.000			3.9		1.3			10/9/2023	1		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000			< 1		< 1	U F1		10/9/2023	1		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000			< 5		< 5	U F2		10/9/2023	5		5		
Trichloroethene	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000			< 1		< 1	U		10/9/2023	1		5		
Vinyl acetate	UG/L	8260C	TA	50.000			< 5		< 5	U		10/9/2023	5				
Vinyl chloride	UG/L	8260C	TA	10.000			2		3.6		*	10/9/2023	1		2		
m/p-Xylenes	UG/L	8260C	TA	5.000			2.9		< 2	U F1		10/9/2023	2		5		
o-Xylene	UG/L	8260C	TA	5.000			< 1		< 1	U F1		10/9/2023	1		5		
Expanded Parameters																	
0,0,0-Triethyl phosphorothioate	UG/L	#N/A	TA	#N/A			< 1000		< 1000	U		10/11/2023	1000		#N/A		
0,0-Diethyl 0-2-pyrazinyl phosphorothioate	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
1,2,4,5-Tetrachlorobenzene	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500		#N/A		
1,2,4-Trichlorobenzene	UG/L	8260B	TA	10.000			< 1		< 1	U		10/9/2023	1				
1,4-Naphthoquinone	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
1-Naphthylamine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
2,2-Dichloropropane	UG/L	8260B	TA	15.000			< 1		< 1	U		10/9/2023	1				
2,3,4,6-Tetrachlorophenol	UG/L	#N/A	TA	#N/A			< 500		< 500	U F1		10/11/2023	500		#N/A		
2,4,5-T	UG/L	8151A	TA				< 0.48		< 0.48	U		10/11/2023	0.48				
2,4,5-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500		#N/A		
2,4,6-Trichlorophenol	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500		#N/A		
2,4-D	UG/L	8151A	TA				< 0.48		< 0.48	U		10/11/2023	0.48				
2,4-Dichlorophenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2,4-Dimethylphenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2,4-Dinitrophenol	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
2,4-Dinitrotoluene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2,6-Dichlorophenol	UG/L	#N/A	TA	#N/A			< 1000		< 1000	U		10/11/2023	1000		#N/A		
2,6-Dinitrotoluene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2-Acetylaminofluorene	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
2-Chloronaphthalene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2-Chlorophenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2-Methylnaphthalene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
2-Methylphenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				

LAB ID: 480-213394-6
LOCATION: P4S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

PARAMETERS	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 2019Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
									RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT	LOW	HIGH
2-Naphthylamine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
2-Nitroaniline	UG/L	8270C	TA	50.000			< 1000		< 1000	U		10/11/2023	1000			
2-Nitrophenol	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
3 & 4 Methylphenol	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
3,3-Dichlorobenzene	UG/L	8270C	TA	20.000			< 1		< 1	U		10/9/2023	1			
3,3'-Dichlorobenzidine	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
3,3'-Dimethylbenzidine	UG/L	8270C	TA				< 4000		< 4000	U		10/11/2023	4000			
3-Methylcholanthrene	UG/L	#N/A	TA	#N/A			< 1000		< 1000	U		10/11/2023	1000	#N/A		
3-Methylphenol	UG/L	8270C	TA				< 1000		< 1000	U		10/11/2023	1000			
3-Nitroaniline	UG/L	8270C	TA	50.000			< 1000		< 1000	U		10/11/2023	1000			
4,4-DDD	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
4,4-DDE	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
4,4-DDT	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
4,6-Dinitro-2-methylphenol	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
4-Aminobiphenyl	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000			
4-Bromophenyl phenyl ether	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500	#N/A		
4-Chloro-3-methylphenol	UG/L	8270C	TA	20.000			< 500		< 500	U		10/11/2023	500			
4-Chlorophenyl phenyl ether	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
4-Methylphenol	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000			
4-Nitroaniline	UG/L	8270C	TA	50.000			< 1000		< 1000	U F1		10/11/2023	1000			
4-Nitrophenol	UG/L	8270C	TA				< 1000		< 1000	U		10/11/2023	1000			
5-Nitro-o-toluidine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
7,12-Dimethylbenz[a]-anthracene	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
Acenaphthene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Acenaphthylene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Acetonitrile	UG/L	8260B	TA				< 40		< 40	U		10/9/2023	40			
Acetophenone	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Acrolein	UG/L	8260B	TA	100.000			< 20		< 20	U		10/9/2023	20			
Aldrin	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
Allyl chloride	UG/L	8260B	TA	10.000			< 1		< 1	U		10/9/2023	1			
alpha-BHC	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
Anthracene	UG/L	8270C	TA	10.000			< 500		< 500	U F1		10/11/2023	500			
Benzo[a]anthracene	UG/L	8270C	TA	10.000			< 36		< 36	U		10/11/2023	36			
Benzo[a]pyrene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Benzo[b]fluoranthene	UG/L	8270C	TA	10.000			< 34		< 34	U		10/11/2023	34			
Benzo[ghi]perylene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Benzo[k]fluoranthene	UG/L	8270C	TA	10.000			< 73		< 73	U		10/11/2023	73			
Benzyl alcohol	UG/L	8270C	TA	20.000			< 2000		< 2000	U		10/11/2023	2000			
beta-BHC	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U F1 F2		10/10/2023	0.05			
Bis-(2-chloro-1-methyl-ethyl)ether	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Bis(2-chloroethoxy)methane	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500	#N/A		
Bis(2-chloroethyl) ether	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Bis(2-ethylhexyl)phthalate	UG/L	#N/A	TA	#N/A			< 500		< 500	U		10/11/2023	500	#N/A		
Butyl benzyl phthalate	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Chlordane	UG/L	8081A	TA	50.000			< 0.5		< 0.5	U		10/10/2023	0.5			
Chlorobenzilate	UG/L	8270C	TA	10.000			< 2000		< 2000	U		10/11/2023	2000			
Chrysene	UG/L	8270C	TA	10.000			< 33		< 33	U		10/11/2023	33			
delta-BHC	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U		10/10/2023	0.05			
Diallate	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
Dibenz[a,h]anthracene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Dibenzofuran	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
Dicamba	UG/L	#N/A	TA	#N/A			-		-	-		-	-	#N/A		
Dieldrin	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05			
Diethyl phthalate	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Dimethoate	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000			
Dimethyl phthalate	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Di-n-butyl phthalate	UG/L	#N/A	TA	#N/A			< 500		< 500	U F1		10/11/2023	500	#N/A		
Di-n-octyl phthalate	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500			
Dinoseb	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000			
Diphenylamine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
Disulfoton	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000			
Endosulfan I	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U		10/10/2023	0.05			
Endosulfan II	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U		10/10/2023	0.05			

LAB ID: 480-213394-6
LOCATION: P4S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 POL	BACKGROUND 2019Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB POL	RESULT		LOW	HIGH
Endosulfan sulfate	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Endrin	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Endrin aldehyde	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Endrin ketone	UG/L	8081A	TA				-		-	-		-	-				
Ethyl methacrylate	UG/L	8260B	TA	10.000			< 1		< 1	U *+ F1		10/9/2023	1				
Ethyl methanesulfonate	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
Famphur	UG/L	8270C	TA	20.000			< 4000		< 4000	U		10/11/2023	4000				
Fluoranthene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Fluorene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
gamma-BHC; Lindane	UG/L	8081A	TA	20.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Heptachlor	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Heptachlor epoxide	UG/L	8081A	TA	10.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Hexachlorobenzene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Hexachlorobutadiene	UG/L	8260B	TA	10.000			< 1		< 1	U		10/9/2023	1				
Hexachlorocyclopentadiene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Hexachloroethane	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Hexachloropropene	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
Indeno(1,2,3-cd)pyrene	UG/L	8270C	TA	10.000			< 47		< 47	U		10/11/2023	47				
Isobutyl alcohol	UG/L	UNKNOWN	TA				< 40		< 40	U		10/9/2023	40				
Isodrin	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
Isophorone	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Isosafrole	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
Kepone	UG/L	#N/A	TA	#N/A			< 5000		< 5000	U		10/11/2023	5000		#N/A		
Methacrylonitrile	UG/L	8260B	TA	20.000			< 5		< 5	U		10/9/2023	5				
Methapyriline	UG/L	8270C	TA	100.000			< 5000		< 5000	U		10/11/2023	5000				
Methoxychlor	UG/L	8081A	TA	100.000			< 0.05		< 0.05	U		10/10/2023	0.05				
Methyl methacrylate	UG/L	8260B	TA	10.000			< 1		< 1	U		10/9/2023	1				
Methyl methanesulfonate	UG/L	8270C	TA	30.000			< 1000		< 1000	U		10/11/2023	1000				
Methyl parathion	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
m-Dinitrobenzene	UG/L	8270C	TA	10.000			< 2000		< 2000	U		10/11/2023	2000				
Naphthalene	UG/L	8270C	TA	10.000			< 1		< 1	U		10/9/2023	1				
Nitrobenzene	UG/L	8270C	TA	10.000			< 500		< 500	U F1		10/11/2023	500				
N-Nitrosodiethylamine	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodimethylamine	UG/L	8270C	TA				< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodi-n-butylamine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosodiphenylamine	UG/L	8270C	TA				< 500		< 500	U		10/11/2023	500				
N-Nitrosodipropylamine	UG/L	8270C	TA				< 500		< 500	U		10/11/2023	500				
N-Nitrosomethylethalamine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosopiperidine	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
N-Nitrosopyrrolidine	UG/L	8270C	TA	40.000			< 1000		< 1000	U		10/11/2023	1000				
p-(Dimethylamino)azo-benzene	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
o-Toluidine	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
Parathion	UG/L	8270C	TA	0.500			< 1000		< 1000	U		10/11/2023	1000				
PCB 1016	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1221	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1232	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1242	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1248	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1254	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1260	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1262	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
PCB 1268	UG/L	8082	TA				< 0.5		< 0.5	U		10/9/2023	0.5				
p-Chloroaniline	UG/L	8270C	TA	20.000			< 500		< 500	U		10/11/2023	500				
Pentachlorobenzene	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
Pentachloroethane	UG/L	8260B	TA				< 1		< 1	U		10/9/2023	1				
Pentachloronitrobenzene	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
Pentachlorophenol	UG/L	8270C	TA	50.000			< 1000		< 1000	U		10/11/2023	1000				
Phenacetin	UG/L	8270C	TA	20.000			< 1000		< 1000	U		10/11/2023	1000				
Phenanthrene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				
Phenols	UG/L	8270C	TA				< 500		< 500	U		10/11/2023	500				
Phorate	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				
p-Phenylenediamine	UG/L	8270C	TA	10.000			< 80000		< 80000	U		10/11/2023	80000				
Pronamide	UG/L	8270C	TA	10.000			< 1000		< 1000	U		10/11/2023	1000				

LAB ID: 480-213394-6
LOCATION: P4S1SCS
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Expanded

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 2019Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4				UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER		
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Propionitrile	UG/L	8260B	TA	150.000			< 10		< 10	U		10/9/2023	10				
Pyrene	UG/L	8270C	TA	10.000			< 500		< 500	U		10/11/2023	500				

APPENDIX D
SECTION 11
LANDFILL GAS

LAB ID: 480-213394-2
LOCATION: LFG CONDENSATE
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
< Detected concentration lower than reporting detection limit
* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
Field Parameters																	
pH (Field)	SU	Field Sampling	TA		7.85		Not Sampled	Not Sampled		7.76			10/5/2023				
Depth to Water from Monitoring Point	FT	Field Sampling	TA							-	-		-	-			
Dissolved Oxygen	MG/L	Field Sampling	TA							-	-		-	-			
Specific Conductivity	UMHOS/CM	Field Sampling	TA		2217					25650			10/5/2023				
Field EH/ORP	MILLIVOLTS	Field Sampling	TA		109					-143			10/5/2023				
Temperature (Field Test)	DEGREES C	Field Sampling	TA		22.4					19.9			10/5/2023				
Turbidity (Field)	NTU	Field Sampling	TA		221					OR		*	10/5/2023		5		
General Parameters																	
Alkalinity	MG/L	310	TA	20.000	10000					51.6			10/10/2023	20			
Ammonia	MG/L	350	TA	0.060	1940					242		*	10/11/2023	20		2	
Biochemical Oxygen Demand (BOD5)	MG/L	SM 5210B	TA	2.000	1200					917			10/6/2023	480			
Bromide	MG/L	SM 4110B	TA		< 80					< 10	U		10/12/2023	10		2	
Chemical Oxygen Demand (COD)	MG/L	410	TA	80.000	6700					7380			10/10/2023	500			
Chloride	MG/L	SM 4500 Cl- E	TA		2210					2840		*	10/7/2023	100		250	
Nitrate	MG/L	Nitrate by calc	TA		< 0.05					< 0.05	U		10/6/2023	0.05		10	
Phenolics, Total Recoverable	MG/L	9060A	TA		5.7					3.9		*	10/9/2023	0.1		0.001	
Sulfate	MG/L	9038	TA		< 50					66.2			10/6/2023	10		250	
Total Dissolved Solids (TDS)	MG/L	SM 2540C	TA	40.000	11000					9320		*	10/9/2023	100		500	
Total Hardness as CaCO3	MG/L	SM 2340C	TA		1100					620			10/10/2023	5.3			
Total Kjeldahl Nitrogen	MG/L	351	TA		3120					3150			10/9/2023	500			
Total Organic Carbon	MG/L	9060A	TA		1900					1650			10/10/2023	40			
Routine Metal Parameters																	
Cadmium, Total	MG/L	6020A	TA	0.040	< 0.025					0.0024			10/10/2023	0.0005		0.005	
Calcium, Total	MG/L	6010C	TA		45.2					50.6			10/18/2023	0.5			
Iron, Total	MG/L	6010C	TA		2.27					9.6		*	10/18/2023	0.05		0.3	
Lead, Total	MG/L	6020A	TA	0.400	< 0.06					0.0072			10/10/2023	0.001		0.025	
Magnesium, Total	MG/L	6010C	TA		240					75.9		*	10/18/2023	0.2		35	
Manganese, Total	MG/L	6010C	TA		0.519					0.48		*	10/18/2023	0.003		0.3	
Potassium, Total	MG/L	6010C	TA		1030					838	^+ ^2		10/24/2023	2.5			
Sodium, Total	MG/L	6010C	TA		2600					2610		*	10/24/2023	5		20	
Baseline General Parameters																	
Color	COLOR UNITS	SM 2120B	TA		2800					4000		*	10/6/2023	500		15	
Cyanide, Total	MG/L	9012B	TA		< 0.1					0.066			10/13/2023	0.01		0.2	
Baseline Metal Parameters																	
Aluminum, Total	MG/L	6010C	TA		2.11					1.2			10/18/2023	0.2			
Antimony, Total	MG/L	6010C	TA	0.300	< 0.1					0.033		*	10/18/2023	0.02		0.003	
Arsenic, Total	MG/L	6020A	TA	0.001	0.32					0.274		*	10/10/2023	0.001		0.025	
Barium, Total	MG/L	6010C	TA	0.020	0.55					0.85			10/18/2023	0.002		1	
Beryllium, Total	MG/L	6010C	TA	0.003	< 0.015					< 0.002	U		10/18/2023	0.002		0.003	
Boron, Total	MG/L	6010C	TA		25.8					15.5	^+	*	10/19/2023	0.02		1	
Chromium (Hexavalent)	MG/L	7196A	TA	0.600	< 0.01					< 0.1	U		10/6/2023	0.1		0.05	
Chromium, Total	MG/L	6010C	TA	0.070	0.49					0.48		*	10/18/2023	0.004		0.05	
Cobalt, Total	MG/L	6010C	TA	0.070	< 0.1					0.069		*	10/18/2023	0.004		0.005	
Copper, Total	MG/L	6010C	TA	0.060	< 0.05					0.066			10/19/2023	0.01		0.2	
Mercury, Total	MG/L	7470A	TA	0.002	< 0.0002					< 0.006	U		10/9/2023	0.006		0.0007	
Nickel, Total	MG/L	6010C	TA	0.150	0.332					0.34		*	10/18/2023	0.01		0.1	
Selenium, Total	MG/L	6020A	TA	0.750	0.061					0.0041			10/10/2023	0.001		0.01	
Silver, Total	MG/L	6020A	TA	0.000	< 0.05					0.0014			10/10/2023	0.0005		0.05	
Thallium, Total	MG/L	6020A	TA	0.400	< 0.06					< 0.0002	U		10/10/2023	0.0002		0.0005	
Vanadium, Total	MG/L	6010C	TA	0.080	< 0.15					0.077			10/18/2023	0.005			
Zinc, Total	MG/L	6010C	TA	0.020	0.5					0.26	^+		10/19/2023	0.01		2	
Baseline Volatile Parameters																	
1,1,1,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		5	
1,1,1-Trichloroethane	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		1	
1,1,2,2-Tetrachloroethane	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		0.2	
1,1,2-Trichloroethane	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		1	
1,1-Dichloroethane	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		5	
1,1-Dichloroethene	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		0.7	
1,2,3-Trichloropropane	UG/L	8260C	TA	15.000	< 1000					< 400	U		10/7/2023	400		0.04	
1,2-Dibromo-3-Chloropropane (DBCP)	UG/L	8260C	TA	25.000	< 2000					< 400	U		10/7/2023	400		0.04	
1,2-Dibromoethane (EDB)	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400			
1,2-Dichlorobenzene	UG/L	8260C	TA	5.000	< 1000					< 400	U		10/7/2023	400		3	

LAB ID: 480-213394-2
LOCATION: LFG CONDENSATE
HYDRO UNIT:

CHAUTAUQUA COUNTY LANDFILL
WATER QUALITY COMPARISON
4th QUARTER
2023

KEY
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* Exceeds groundwater standards
Exceeds appropriate statistical trigger
All qualifiers identified in 'Q' column can be explained by reviewing lab reports.

Event Type: Baseline

DATE SAMPLED: 10/05/23

	UNITS	METHOD	LAB	6NYCRR PART 360 PQL	BACKGROUND 1989Q4	2023Q1	2023Q2	2023Q3	Current Quarter 2023Q4					UPGRADIENT WATER QUALITY	NY GA STANDARD	STATISTICAL TRIGGER	
PARAMETERS					RESULT	RESULT	RESULT	RESULT	RESULT	Q	F	DATE ANALYZED	LAB PQL	RESULT		LOW	HIGH
1,2-Dichloroethane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		0.06		
1,2-Dichloropropane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		1		
1,3-Dichlorobenzene	UG/L	8270C	TA	5.000	< 1000				1500		*	10/7/2023	400		5		
1,4-Dichlorobenzene	UG/L	8260C	TA	5.000	< 1000				1500		*	10/7/2023	400		3		
2-Butanone	UG/L	8260C	TA	100.000	4300				8000		*	10/7/2023	4000		50		
2-Hexanone	UG/L	8260C	TA	50.000	< 2000				< 2000	U		10/7/2023	2000		50		
Acetone	UG/L	8260C	TA	100.000	6800				8000		*	10/7/2023	4000		50		
Acrylonitrile	UG/L	8260C	TA	200.000	< 20000				< 2000	U		10/7/2023	2000		5		
Benzene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		1		
Bromochloromethane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
Bromodichloromethane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		50		
Bromoform	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		50		
Bromomethane	UG/L	8260C	TA		< 1000				< 400	U		10/7/2023	400		5		
Carbon disulfide	UG/L	8260C	TA	100.000	< 1000				< 400	U		10/7/2023	400		60		
Carbon tetrachloride	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		5		
Chlorobenzene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
Chloroethane	UG/L	8260C	TA		< 1000				< 400	U		10/7/2023	400		5		
Chloroform	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		7		
Chloromethane	UG/L	8260C	TA		< 1000				< 400	U		10/7/2023	400		5		
cis-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
cis-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		0.4		
Dibromochloromethane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		50		
Dibromomethane	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		5		
Ethylbenzene	UG/L	8260C	TA	5.000	< 1000				1300		*	10/7/2023	400		5		
Iodomethane	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		5		
Methyl Isobutyl Ketone	UG/L	8260C	TA	100.000	< 2000				< 400	U		10/7/2023	400				
Methylene chloride	UG/L	8260C	TA	10.000	< 1000				< 2000	U		10/7/2023	2000		5		
Styrene	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		5		
Tetrachloroethene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
Toluene	UG/L	8260C	TA	5.000	< 1000				620		*	10/7/2023	400		5		
trans-1,2-Dichloroethene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
trans-1,3-Dichloropropene	UG/L	8260C	TA	10.000	< 1000				< 400	U		10/7/2023	400		0.4		
trans-1,4-Dichloro-2-butene	UG/L	8260C	TA	100.000	< 2000				< 2000	U		10/7/2023	2000		5		
Trichloroethene	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
Trichlorofluoromethane	UG/L	8260C	TA	5.000	< 1000				< 400	U		10/7/2023	400		5		
Vinyl acetate	UG/L	8260C	TA	50.000	< 10000				< 2000	U		10/7/2023	2000				

APPENDIX E
SECTION 12
COST ESTIMATE & FINANCIAL ASSURANCE DOCUMENTS
(SUBMITTED UNDER SEPARATE COVER)

APPENDIX F
SECTION 16
ANALYTICAL RESULTS
(BOUND REPORT)

APPENDIX A
SECTION 16
ANALYTICAL RESULTS
(BOUND REPORT)