AECOM Environment

First Quarter 2023 – January, February, March Operation, Maintenance, and Monitoring Report

CHEM-TROL Site
NYSDEC Site No. 9-15-015
Report.hw915015.2023-04-20.1Q2023OMM

Site:
CHEM-TROL Site
4800 Lake Avenue
Blasdell, New York 14219

Submitted to:
NYSDEC
Region 9 Office
700 Delaware Avenue
Buffalo, NY 14209

Prepared for:
SC Holdings, Inc.
600 New Ludlow Road
South Hadley, MA 01075

Prepared by:
AECOM
1 John James Audubon Parkway, Suite 210
Amherst, New York 14228

April 20, 2023

AECOM Project No. 60652207.3

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April 20, 2023

SUBMITTED VIA ELECTRONIC MAIL

Mr. Glenn May, PG
NYSDEC
Region 9 Office
700 Delaware Avenue
Buffalo, NY 14209

RE: S.C. Holdings, Inc., 4818 Lake Avenue, Blasdell, New York 14219
First Quarter 2023 Operation, Maintenance, and Monitoring Report
Chem-Trol Site, NYSDEC Site No. 9-15-015, Report.hw915015.2023-04-05.1Q2023OMM

Dear Mr. May:

Enclosed please find the First Quarter 2023 (1Q23 – January, February, March) Operation, Maintenance, and Monitoring Report for the "Chem-Trol" project site. AECOM is submitting this quarterly monitoring report on behalf of our client, SC Holdings, Inc.

The enclosed report contains the following information for 1Q23:

- Operation, Maintenance and Monitoring Checklists
- Summary Tables of Analytical Results and Flow Readings
- Copies of Analytical Results and Chain-of-Custody Forms

A summary of each month within 1Q23 is as follows:

January 2023

AECOM collected the monthly monitoring samples on January 27, 2023; analytical data were received on February 6, 2023. As presented on Table 1 (January 27, 2023), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

On January 20, 2023, AECOM performed pressure washing and mechanical cleaning of the air stripper trays.

February 2023

AECOM collected the monthly monitoring samples on February 8, 2023; analytical data were received on February 17, 2023. As presented on Table 1 (February 8, 2023), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

March

AECOM collected the monthly monitoring samples on March 2, 2023; analytical data were received on March 20, 2023. As presented on Table 1 (March 2, 2023), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

On March 3, 2023, AECOM collected the 1Q23 quarterly groundwater levels.

If you have any questions regarding the information presented in this report please contact me at (716) 923-1300.

Very truly yours,
AECOM

James L. Kaczor
Project Manager

Enclosure

cc: Ryan Donovan (SC Holdings, Inc.) (electronic copy)
60652207 Project File

January 2023

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: E. Au Weather/Temperature: Overcast, 28 F
Date: 01/27/2023 Arrival Time: 10:00 Departure Time: 11:30

Reason for Service: Inspect system, perform monthly sampling, clean system

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	See Notes/Explanations section.
Building Exterior		
Overhead Door	X	Wood lintel decaying, header exposed.
Siding	X	Metal trim missing from lintel.
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks		Slight leak from air stripper "door"
Building Heater	X	Turned heater off
Phone System	X	Disconnected
Exhaust Fan		Could not get fan to work.
Fire Extinguisher	X	
First Aid & Eye Wash	X	

Groundwater Treatment System

Air Stripper	**X**	
Iron Removal Filter	**NA**	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	**X**	See Notes/Explanations section.
Gauges	**X**	
Stripper Blower	**X**	
Indication of Alarm	**X**	

Groundwater Treatment Wells

EW-1 Pump	**X**	
EW-1 Transducer	**X**	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	**X**	
EW-2 Transducer	**X**	
EW- 2 Flow Meter	**X**	
EW-3 Pump	**X**	
EW-3 Transducer	**X**	
EW-3 Flow Meter	**X**	

Effluent Discharge

Outfall	**X**	Flowing
Cleanout	**X**	

Instrumentation/Readings:

EW-1

Pumping Rate	6 GPM (see Notes section)
Water Level Above Transducer	170 Inches
Flow Meter Reading	Not Working Gallons

EW-2

Pumping Rate	0 GPM (see Notes section)
Water Level Above Transducer	186 Inches
Flow Meter Reading	28,543,853 Gallons

EW-3

Pumping Rate	0 GPM (see Notes section)
Water Level Above Transducer	233 Inches
Flow Meter Reading	15,696,383 Gallons

Air Stripper

Stripper Blower Pressure	9 Inches H2O

Effluent Flow

Total System Meter Reading	74,326,460 Gallons

Influent/Effluent Sampling

AQUEOUS:
Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D
- pH by MCAWW SM18-20 4500-H+B

pH measurements must be made in the field:

Influent pH 7.0 (field test strip)
Effluent pH 7.0 (field test strip)

Notes/Explanations
(Please include any additional information on those items that require attention as indicated above.)

The system was on at arrival.

Total system flow was timed at 6 gpm on system totalizer flow meter. All EW's are pumping.

The SVE building overhead door flashing has wind and header damage.

The AS building overhead door flashing needs replacement.

The most recent round of water levels (4Q2022) was collected December 14, 2022.

The air stripper trays were last mechanically cleaned January 20, 2023.

The monthly samples were collected today, January 27, 2023.

Table 1
January 27, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow*	13,095	13,095	144,000	gpd	NA	NA	NA
pH	8.3	8.3	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 18	< 5.0	5	ug/L	< 0.0005	0.006	lbs/day
Chlorobenzene	< 19	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
cis-1,2-Dichloroethene	< 23	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
Benzene	< 24	< 5.0	5	ug/L	< 0.0005	0.006	lbs/day
1,1,1-Trichloroethane	< 15	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
Chloroethane	< 35	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
1,1-Dichloroethane	< 24	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
1,1-Dichloroethene	< 34	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
Trichloroethene	< 24	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
o-Chlorotoluene	980	< 5.0	10	ug/L	< 0.0005	0.012	lbs/day
Iron - Total	890	1,090	3,000	ug/L	0.12	3.61	lbs/day
TSS	< 4.0	6.8	20	mg/L	0.74		lbs/day

Notes:

*1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.*

2) < indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) E - Estimated Value, result above calibration curve

6) D - Dilution

7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.

** Average daily flow as measured December 14, 2022 through January 27, 2023.*

Table 2
January 27, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:	Current Report 1/27/2023	units	Prior Report 12/14/2022
EW-1			
Pumping Rate	6	GPM	7
Water Level Above Transducer	170	Inches	167
Flow Meter Reading	NW	gallons	NW
EW-2			
Pumping Rate	0	GPM	0
Water Level Above Transducer	186	Inches	183
Flow Meter Reading	28,543,853	gallons	28,538,902
EW-3			
Pumping Rate	0	GPM	0
Water Level Above Transducer	233	Inches	203
Flow Meter Reading	15,696,383	gallons	15,696,383
Air Stripper			
Stripper Blower Pressure	9.0	inches H_2O	33.0
Effluent Flow			
Total System Meter Reading	74,326,460	gallons	73,763,360
Average System Flow Since Prior Report	13,095	gpd	
	545.6	gph	
	9.1	gpm	
Influent o-Chlorotoluene concentration	980	ug/L	
Current month mass removal	2.1	kilograms	

Note: NA indicates Not Available.
NW - Not working
ug/L - micrograms per liter

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Donovan
Waste Management
600 New Ludlow Road
South Hadley, Massachusetts 01075

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JOB DESCRIPTION

ChemTrol Site - Monthly
ChemTrol Monthly Groundwater

JOB NUMBER

480-205807-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

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Authorization

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Authorized for release by
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Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 10
QC Association 12
Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17

Definitions/Glossary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-205807-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-205807-1

Comments
No additional comments.

Receipt
The samples were received on 1/27/2023 12:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-205807-2). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Effluent (480-205807-1) and Influent (480-205807-2).

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

Detection Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Client Sample ID: Effluent — Lab Sample ID: 480-205807-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1090		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
Total Suspended Solids	6.8		4.0		mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	23.0	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-205807-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	980		13		ug/L	40		624.1	Total/NA
Iron	890		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
pH	8.3	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	22.7	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-205807-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Client Sample ID: Effluent

Date Collected: 01/27/23 10:50
Date Received: 01/27/23 12:05

Lab Sample ID: 480-205807-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			01/30/23 14:46	1
1,1-Dichloroethane	ND		5.0		ug/L			01/30/23 14:46	1
1,1-Dichloroethene	ND		5.0		ug/L			01/30/23 14:46	1
Benzene	ND		5.0		ug/L			01/30/23 14:46	1
Chlorobenzene	ND		5.0		ug/L			01/30/23 14:46	1
Chloroethane	ND		5.0		ug/L			01/30/23 14:46	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			01/30/23 14:46	1
Toluene	ND		5.0		ug/L			01/30/23 14:46	1
Trichloroethene	ND		5.0		ug/L			01/30/23 14:46	1
o-Chlorotoluene	ND		5.0		ug/L			01/30/23 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*		*01/30/23 14:46*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/30/23 14:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*01/30/23 14:46*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*01/30/23 14:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1090**		50.0		ug/L		01/31/23 09:09	01/31/23 21:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	**6.8**		4.0		mg/L			02/02/23 14:14	1
pH (SM 4500 H+ B)	**8.3**	**HF**	0.1		SU			01/31/23 15:59	1
Temperature (SM 4500 H+ B)	**23.0**	**HF**	0.001		Degrees C			01/31/23 15:59	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Client Sample ID: Influent

Date Collected: 01/27/23 11:15
Date Received: 01/27/23 12:05

Lab Sample ID: 480-205807-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			01/30/23 15:10	40
1,1-Dichloroethane	ND		24		ug/L			01/30/23 15:10	40
1,1-Dichloroethene	ND		34		ug/L			01/30/23 15:10	40
Benzene	ND		24		ug/L			01/30/23 15:10	40
Chlorobenzene	ND		19		ug/L			01/30/23 15:10	40
Chloroethane	ND		35		ug/L			01/30/23 15:10	40
cis-1,2-Dichloroethene	ND		23		ug/L			01/30/23 15:10	40
Toluene	ND		18		ug/L			01/30/23 15:10	40
Trichloroethene	ND		24		ug/L			01/30/23 15:10	40
o-Chlorotoluene	**980**		13		ug/L			01/30/23 15:10	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*01/30/23 15:10*	*40*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/30/23 15:10*	*40*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*01/30/23 15:10*	*40*
Toluene-d8 (Surr)	*96*		*77 - 120*		*01/30/23 15:10*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**890**		50.0		ug/L		01/31/23 09:09	01/31/23 21:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			02/02/23 14:14	1
pH (SM 4500 H+ B)	**8.3**	**HF**	0.1		SU			01/31/23 16:01	1
Temperature (SM 4500 H+ B)	**22.7**	**HF**	0.001		Degrees C			01/31/23 16:01	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Client Sample ID: Trip Blank
Date Collected: 01/27/23 00:00
Date Received: 01/27/23 12:05

Lab Sample ID: 480-205807-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			01/30/23 15:34	1
1,1-Dichloroethane	ND		5.0		ug/L			01/30/23 15:34	1
1,1-Dichloroethene	ND		5.0		ug/L			01/30/23 15:34	1
Benzene	ND		5.0		ug/L			01/30/23 15:34	1
Chlorobenzene	ND		5.0		ug/L			01/30/23 15:34	1
Chloroethane	ND		5.0		ug/L			01/30/23 15:34	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			01/30/23 15:34	1
Toluene	ND		5.0		ug/L			01/30/23 15:34	1
Trichloroethene	ND		5.0		ug/L			01/30/23 15:34	1
o-Chlorotoluene	ND		5.0		ug/L			01/30/23 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*01/30/23 15:34*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/30/23 15:34*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*01/30/23 15:34*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*01/30/23 15:34*	*1*

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

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

Lab Sample ID: MB 480-657300/8
Matrix: Water
Analysis Batch: 657300

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			01/30/23 14:21	1
1,1-Dichloroethane	ND		5.0		ug/L			01/30/23 14:21	1
1,1-Dichloroethene	ND		5.0		ug/L			01/30/23 14:21	1
Benzene	ND		5.0		ug/L			01/30/23 14:21	1
Chlorobenzene	ND		5.0		ug/L			01/30/23 14:21	1
Chloroethane	ND		5.0		ug/L			01/30/23 14:21	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			01/30/23 14:21	1
Toluene	ND		5.0		ug/L			01/30/23 14:21	1
Trichloroethene	ND		5.0		ug/L			01/30/23 14:21	1
o-Chlorotoluene	ND		5.0		ug/L			01/30/23 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*01/30/23 14:21*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*01/30/23 14:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*01/30/23 14:21*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*01/30/23 14:21*	*1*

Lab Sample ID: LCS 480-657300/6
Matrix: Water
Analysis Batch: 657300

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	24.2		ug/L		121	52 - 162
1,1-Dichloroethane	20.0	21.7		ug/L		109	59 - 155
1,1-Dichloroethene	20.0	22.7		ug/L		113	1 - 234
Benzene	20.0	22.4		ug/L		112	37 - 151
Chlorobenzene	20.0	21.4		ug/L		107	37 - 160
Chloroethane	20.0	21.9		ug/L		109	14 - 230
Toluene	20.0	21.4		ug/L		107	47 - 150
Trichloroethene	20.0	22.9		ug/L		114	71 - 157

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*
Toluene-d8 (Surr)	*97*		*77 - 120*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-657333/1-A
Matrix: Water
Analysis Batch: 657518

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 657333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		01/31/23 09:09	01/31/23 21:11	1

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

Lab Sample ID: LCS 480-657333/2-A
Matrix: Water
Analysis Batch: 657518

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 657333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10000	10110		ug/L		101	85 - 115		

Lab Sample ID: 480-205807-1 MS
Matrix: Water
Analysis Batch: 657518

Client Sample ID: Effluent
Prep Type: Total Recoverable
Prep Batch: 657333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	1090		10000	11270		ug/L		102	70 - 130		

Lab Sample ID: 480-205807-1 MSD
Matrix: Water
Analysis Batch: 657518

Client Sample ID: Effluent
Prep Type: Total Recoverable
Prep Batch: 657333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	1090		10000	11150		ug/L		101	70 - 130	1	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-657733/1
Matrix: Water
Analysis Batch: 657733

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			02/02/23 14:14	1

Lab Sample ID: LCS 480-657733/2
Matrix: Water
Analysis Batch: 657733

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			298	282.0		mg/L		95	88 - 110		

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-657478/23
Matrix: Water
Analysis Batch: 657478

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

QC Association Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

GC/MS VOA

Analysis Batch: 657300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205807-1	Effluent	Total/NA	Water	624.1	
480-205807-2	Influent	Total/NA	Water	624.1	
480-205807-3	Trip Blank	Total/NA	Water	624.1	
MB 480-657300/8	Method Blank	Total/NA	Water	624.1	
LCS 480-657300/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 657333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205807-1	Effluent	Total Recoverable	Water	200.7	
480-205807-2	Influent	Total Recoverable	Water	200.7	
MB 480-657333/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-657333/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
480-205807-1 MS	Effluent	Total Recoverable	Water	200.7	
480-205807-1 MSD	Effluent	Total Recoverable	Water	200.7	

Analysis Batch: 657518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205807-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	657333
480-205807-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	657333
MB 480-657333/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	657333
LCS 480-657333/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	657333
480-205807-1 MS	Effluent	Total Recoverable	Water	200.7 Rev 4.4	657333
480-205807-1 MSD	Effluent	Total Recoverable	Water	200.7 Rev 4.4	657333

General Chemistry

Analysis Batch: 657478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205807-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-205807-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-657478/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 657733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205807-1	Effluent	Total/NA	Water	SM 2540D	
480-205807-2	Influent	Total/NA	Water	SM 2540D	
MB 480-657733/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-657733/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Client Sample ID: Effluent

Lab Sample ID: 480-205807-1

Date Collected: 01/27/23 10:50
Matrix: Water
Date Received: 01/27/23 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	657300	AXK	EET BUF	01/30/23 14:46
Total Recoverable	Prep	200.7			657333	NVK	EET BUF	01/31/23 09:09
Total Recoverable	Analysis	200.7 Rev 4.4		1	657518	LMH	EET BUF	01/31/23 21:19
Total/NA	Analysis	SM 2540D		1	657733	SAK	EET BUF	02/02/23 14:14
Total/NA	Analysis	SM 4500 H+ B		1	657478	KMF	EET BUF	01/31/23 15:59

Client Sample ID: Influent

Lab Sample ID: 480-205807-2

Date Collected: 01/27/23 11:15
Matrix: Water
Date Received: 01/27/23 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		40	657300	AXK	EET BUF	01/30/23 15:10
Total Recoverable	Prep	200.7			657333	NVK	EET BUF	01/31/23 09:09
Total Recoverable	Analysis	200.7 Rev 4.4		1	657518	LMH	EET BUF	01/31/23 21:49
Total/NA	Analysis	SM 2540D		1	657733	SAK	EET BUF	02/02/23 14:14
Total/NA	Analysis	SM 4500 H+ B		1	657478	KMF	EET BUF	01/31/23 16:01

Client Sample ID: Trip Blank

Lab Sample ID: 480-205807-3

Date Collected: 01/27/23 00:00
Matrix: Water
Date Received: 01/27/23 12:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	657300	AXK	EET BUF	01/30/23 15:34

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	o-Chlorotoluene
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
200.7 Rev 4.4	Metals (ICP)	EPA	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 4500 H+ B	pH	SM	EET BUF
200.7	Preparation, Total Recoverable Metals	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-205807-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-205807-1	Effluent	Water	01/27/23 10:50	01/27/23 12:05
480-205807-2	Influent	Water	01/27/23 11:15	01/27/23 12:05
480-205807-3	Trip Blank	Water	01/27/23 00:00	01/27/23 12:05

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: Emily Au	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-179791-28522.1
Client Contact: Chad Moose	Phone: 716 531 3312	E-Mail: Ryan.VanDette@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Waste Management	PWSID:			Job #:
Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:			
City: Morrisville	TAT Requested (days): STD			
State, Zip: PA, 19067	Compliance Project: Δ Yes Δ No			
Phone: 215-269-2114(Tel) 215-699-8315(Fax)	PO #: 11231631			
Email: cmoose@wm.com	WO #:			
Project Name: ChemTrol Site/NY22 Event Desc: ChemTrol Monthly Groundwate	Project #: 48002447			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7 - Iron	624.1_PREC - 624	2540D - Total Suspended Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N		
Effluent	1/27/23	1050	G	Water	N	N	1	3	1	1		
Influent	1/27/23	1115	G	Water	N	N	1	3	1	1		
Trip Blank	1/27/23	—	G	Water	N	N		1				

480-205807 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) per contract

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 1/27/23 1205	Company ACCUM	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Received by:	Date/Time:	Company
Received by:	Date/Time:	Company
Received by:	Date/Time: 1-27-23 1205	Company FAS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 4.1 #1

Ver: 06/08/2021

February 2023

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: S. Connelly Weather/Temperature: Mostly Sunny, 40 F
Date: 02/08/2023 Arrival Time: 13:00 Departure Time: 14:25

Reason for Service: Inspect system, perform monthly sampling, clean system

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	See Notes/Explanations section.
Building Exterior		
Overhead Door	X	Wood lintel decaying, header exposed.
Siding	X	Metal trim missing from lintel.
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks		Slight leak from air stripper "door"
Building Heater	X	Turned heater off
Phone System	X	Disconnected
Exhaust Fan		Could not get fan to work.
Fire Extinguisher	X	
First Aid & Eye Wash	X	

Groundwater Treatment System

Air Stripper	**X**	
Iron Removal Filter	**NA**	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	**X**	See Notes/Explanations section.
Gauges	**X**	
Stripper Blower	**X**	
Indication of Alarm	**X**	

Groundwater Treatment Wells

EW-1 Pump	**X**	
EW-1 Transducer	**X**	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	**X**	
EW-2 Transducer	**X**	
EW- 2 Flow Meter	**X**	
EW-3 Pump	**X**	
EW-3 Transducer	**X**	
EW-3 Flow Meter	**X**	

Effluent Discharge

Outfall	**X**	Flowing
Cleanout	**X**	

Instrumentation/Readings:

EW-1

Pumping Rate	6.5 GPM (see Notes section)
Water Level Above Transducer	182 Inches
Flow Meter Reading	Not Working Gallons

EW-2

Pumping Rate	0 GPM (see Notes section)
Water Level Above Transducer	165 Inches
Flow Meter Reading	28,543,853 Gallons

EW-3

Pumping Rate	0 GPM (see Notes section)
Water Level Above Transducer	203 Inches
Flow Meter Reading	15,696,383 Gallons

Air Stripper

Stripper Blower Pressure (Panel)	15.5 Inches H2O
Stripper Blower Pressure (Stripper)	8.0 Inches H2O

Effluent Flow

Total System Meter Reading	74,422,762 Gallons

Influent/Effluent Sampling

AQUEOUS:
Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D
- pH by MCAWW SM18-20 4500-H+B

pH measurements must be made in the field:

Influent pH 7.0 (field test strip)
Effluent pH 7.0 (field test strip)

Notes/Explanations
(Please include any additional information on those items that require attention as indicated above.)

The system was on at arrival.

Total system flow was timed at 6.5 gpm on system totalizer flow meter. All EWs are pumping.

The SVE building overhead door flashing has wind and header damage.

The AS building overhead door flashing needs replacement.

The most recent round of water levels (4Q2022) was collected December 14, 2022.

The air stripper trays were last mechanically cleaned January 20, 2023.

The monthly samples were collected today, February 8, 2023.

Table 1
February 8, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow*	8,755	8,755	144,000	gpd	NA	NA	NA
pH	7.4	8.1	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 18	< 5.0	5	ug/L	< 0.0004	0.006	lbs/day
Chlorobenzene	< 19	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
cis-1,2-Dichloroethene	< 23	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
Benzene	< 24	< 5.0	5	ug/L	< 0.0004	0.006	lbs/day
1,1,1-Trichloroethane	< 15	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
Chloroethane	< 35	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
1,1-Dichloroethane	< 24	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
1,1-Dichloroethene	< 34	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
Trichloroethene	< 24	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
o-Chlorotoluene	1,300	< 5.0	10	ug/L	< 0.0004	0.012	lbs/day
Iron - Total	1,510	1,100	3,000	ug/L	0.08	3.61	lbs/day
TSS	< 4.0	7.6	20	mg/L	0.56		lbs/day

Notes:

*1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.*

2) < indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) E - Estimated Value, result above calibration curve

6) D - Dilution

7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.

** Average daily flow as measured January 27, 2023 through February 8, 2023.*

Table 2
February 8, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:	Current Report 2/8/2023	units	Prior Report 1/27/2023
EW-1			
Pumping Rate	6.5	GPM	6
Water Level Above Transducer	182	Inches	170
Flow Meter Reading	NW	gallons	NW
EW-2			
Pumping Rate	0	GPM	0
Water Level Above Transducer	165	Inches	186
Flow Meter Reading	28,543,853	gallons	28,543,853
EW-3			
Pumping Rate	0	GPM	0
Water Level Above Transducer	203	Inches	233
Flow Meter Reading	15,696,383	gallons	15,696,383
Air Stripper			
Stripper Blower Pressure	15.5	inches H_2O	9.0
Effluent Flow			
Total System Meter Reading	74,422,762	gallons	74,326,460
Average System Flow Since Prior Report	8,755	gpd	
	364.8	gph	
	6.1	gpm	
Influent o-Chlorotoluene concentration	1,300	ug/L	
Current month mass removal	0.5	kilograms	

Note: NA indicates Not Available.
NW - Not working
ug/L - micrograms per liter

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Donovan
Waste Management
600 New Ludlow Road
South Hadley, Massachusetts 01075

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JOB DESCRIPTION

ChemTrol Site - Monthly
ChemTrol Monthly Groundwater

JOB NUMBER

480-206061-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Ryan VanDette, Project Manager II
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(716)504-9830

Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 10
QC Association 12
Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17

Definitions/Glossary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-206061-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206061-1

Comments
No additional comments.

Receipt
The samples were received on 2/8/2023 2:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-206061-2). Elevated reporting limits (RLs) are provided.

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

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Effluent (480-206061-1), Influent (480-206061-2), (480-206030-G-10) and (480-206030-G-10 DU).

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

Detection Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Client Sample ID: Effluent — Lab Sample ID: 480-206061-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1100		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
Total Suspended Solids	7.6		4.0		mg/L	1		SM 2540D	Total/NA
pH	8.1	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	20.0	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-206061-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	1300		13		ug/L	40		624.1	Total/NA
Iron	1510		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
pH	7.4	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	19.5	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-206061-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Client Sample ID: Effluent

Date Collected: 02/08/23 13:20
Date Received: 02/08/23 14:35

Lab Sample ID: 480-206061-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			02/09/23 18:19	1
1,1-Dichloroethane	ND		5.0		ug/L			02/09/23 18:19	1
1,1-Dichloroethene	ND		5.0		ug/L			02/09/23 18:19	1
Benzene	ND		5.0		ug/L			02/09/23 18:19	1
Chlorobenzene	ND		5.0		ug/L			02/09/23 18:19	1
Chloroethane	ND		5.0		ug/L			02/09/23 18:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			02/09/23 18:19	1
Toluene	ND		5.0		ug/L			02/09/23 18:19	1
Trichloroethene	ND		5.0		ug/L			02/09/23 18:19	1
o-Chlorotoluene	ND		5.0		ug/L			02/09/23 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*02/09/23 18:19*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/09/23 18:19*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*02/09/23 18:19*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*02/09/23 18:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1100**		50.0		ug/L		02/10/23 08:17	02/11/23 02:38	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	**7.6**		4.0		mg/L			02/14/23 14:50	1
pH (SM 4500 H+ B)	**8.1**	**HF**	0.1		SU			02/17/23 12:34	1
Temperature (SM 4500 H+ B)	**20.0**	**HF**	0.001		Degrees C			02/17/23 12:34	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Client Sample ID: Influent

Date Collected: 02/08/23 13:35
Date Received: 02/08/23 14:35

Lab Sample ID: 480-206061-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			02/09/23 18:43	40
1,1-Dichloroethane	ND		24		ug/L			02/09/23 18:43	40
1,1-Dichloroethene	ND		34		ug/L			02/09/23 18:43	40
Benzene	ND		24		ug/L			02/09/23 18:43	40
Chlorobenzene	ND		19		ug/L			02/09/23 18:43	40
Chloroethane	ND		35		ug/L			02/09/23 18:43	40
cis-1,2-Dichloroethene	ND		23		ug/L			02/09/23 18:43	40
Toluene	ND		18		ug/L			02/09/23 18:43	40
Trichloroethene	ND		24		ug/L			02/09/23 18:43	40
o-Chlorotoluene	**1300**		13		ug/L			02/09/23 18:43	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*02/09/23 18:43*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/09/23 18:43*	*40*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*02/09/23 18:43*	*40*
Toluene-d8 (Surr)	*93*		*77 - 120*		*02/09/23 18:43*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**1510**		50.0		ug/L		02/10/23 08:17	02/11/23 02:53	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			02/14/23 14:50	1
pH (SM 4500 H+ B)	**7.4**	**HF**	0.1		SU			02/17/23 12:36	1
Temperature (SM 4500 H+ B)	**19.5**	**HF**	0.001		Degrees C			02/17/23 12:36	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Client Sample ID: Trip Blank
Date Collected: 02/08/23 00:00
Date Received: 02/08/23 14:35

Lab Sample ID: 480-206061-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			02/09/23 19:07	1
1,1-Dichloroethane	ND		5.0		ug/L			02/09/23 19:07	1
1,1-Dichloroethene	ND		5.0		ug/L			02/09/23 19:07	1
Benzene	ND		5.0		ug/L			02/09/23 19:07	1
Chlorobenzene	ND		5.0		ug/L			02/09/23 19:07	1
Chloroethane	ND		5.0		ug/L			02/09/23 19:07	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			02/09/23 19:07	1
Toluene	ND		5.0		ug/L			02/09/23 19:07	1
Trichloroethene	ND		5.0		ug/L			02/09/23 19:07	1
o-Chlorotoluene	ND		5.0		ug/L			02/09/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*02/09/23 19:07*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/09/23 19:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*02/09/23 19:07*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*02/09/23 19:07*	*1*

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

Lab Sample ID: MB 480-658342/8
Matrix: Water
Analysis Batch: 658342

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			02/09/23 16:33	1
1,1-Dichloroethane	ND		5.0		ug/L			02/09/23 16:33	1
1,1-Dichloroethene	ND		5.0		ug/L			02/09/23 16:33	1
Benzene	ND		5.0		ug/L			02/09/23 16:33	1
Chlorobenzene	ND		5.0		ug/L			02/09/23 16:33	1
Chloroethane	ND		5.0		ug/L			02/09/23 16:33	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			02/09/23 16:33	1
Toluene	ND		5.0		ug/L			02/09/23 16:33	1
Trichloroethene	ND		5.0		ug/L			02/09/23 16:33	1
o-Chlorotoluene	ND		5.0		ug/L			02/09/23 16:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*02/09/23 16:33*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/09/23 16:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*02/09/23 16:33*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*02/09/23 16:33*	*1*

Lab Sample ID: LCS 480-658342/6
Matrix: Water
Analysis Batch: 658342

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.1		ug/L		105	52 - 162
1,1-Dichloroethane	20.0	20.1		ug/L		101	59 - 155
1,1-Dichloroethene	20.0	20.7		ug/L		103	1 - 234
Benzene	20.0	20.0		ug/L		100	37 - 151
Chlorobenzene	20.0	19.1		ug/L		96	37 - 160
Chloroethane	20.0	20.0		ug/L		100	14 - 230
Toluene	20.0	19.0		ug/L		95	47 - 150
Trichloroethene	20.0	20.2		ug/L		101	71 - 157

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
4-Bromofluorobenzene (Surr)	*96*		*76 - 123*
Toluene-d8 (Surr)	*94*		*77 - 120*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-658352/1-A
Matrix: Water
Analysis Batch: 658556

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 658352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		02/10/23 08:17	02/11/23 02:07	1

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

Lab Sample ID: LCS 480-658352/2-A
Matrix: Water
Analysis Batch: 658556

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 658352

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10000	10020		ug/L		100	85 - 115		

Lab Sample ID: 480-206061-2 MS
Matrix: Water
Analysis Batch: 658556

Client Sample ID: Influent
Prep Type: Total Recoverable
Prep Batch: 658352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron	1510		10000	11490		ug/L		100	70 - 130		

Lab Sample ID: 480-206061-2 MSD
Matrix: Water
Analysis Batch: 658556

Client Sample ID: Influent
Prep Type: Total Recoverable
Prep Batch: 658352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	1510		10000	11480		ug/L		100	70 - 130	0	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-658717/1
Matrix: Water
Analysis Batch: 658717

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			02/14/23 14:50	1

Lab Sample ID: LCS 480-658717/2
Matrix: Water
Analysis Batch: 658717

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			265	248.8		mg/L		94	88 - 110		

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-659159/45
Matrix: Water
Analysis Batch: 659159

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		101	99 - 101		

QC Association Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

GC/MS VOA

Analysis Batch: 658342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206061-1	Effluent	Total/NA	Water	624.1	
480-206061-2	Influent	Total/NA	Water	624.1	
480-206061-3	Trip Blank	Total/NA	Water	624.1	
MB 480-658342/8	Method Blank	Total/NA	Water	624.1	
LCS 480-658342/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 658352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206061-1	Effluent	Total Recoverable	Water	200.7	
480-206061-2	Influent	Total Recoverable	Water	200.7	
MB 480-658352/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-658352/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
480-206061-2 MS	Influent	Total Recoverable	Water	200.7	
480-206061-2 MSD	Influent	Total Recoverable	Water	200.7	

Analysis Batch: 658556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206061-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	658352
480-206061-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	658352
MB 480-658352/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	658352
LCS 480-658352/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	658352
480-206061-2 MS	Influent	Total Recoverable	Water	200.7 Rev 4.4	658352
480-206061-2 MSD	Influent	Total Recoverable	Water	200.7 Rev 4.4	658352

General Chemistry

Analysis Batch: 658717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206061-1	Effluent	Total/NA	Water	SM 2540D	
480-206061-2	Influent	Total/NA	Water	SM 2540D	
MB 480-658717/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-658717/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 659159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206061-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-206061-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-659159/45	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Client Sample ID: Effluent

Lab Sample ID: 480-206061-1

Date Collected: 02/08/23 13:20
Matrix: Water
Date Received: 02/08/23 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	658342	ATG	EET BUF	02/09/23 18:19
Total Recoverable	Prep	200.7			658352	VAK	EET BUF	02/10/23 08:17
Total Recoverable	Analysis	200.7 Rev 4.4		1	658556	LMH	EET BUF	02/11/23 02:38
Total/NA	Analysis	SM 2540D		1	658717	SAK	EET BUF	02/14/23 14:50
Total/NA	Analysis	SM 4500 H+ B		1	659159	DLG	EET BUF	02/17/23 12:34

Client Sample ID: Influent

Lab Sample ID: 480-206061-2

Date Collected: 02/08/23 13:35
Matrix: Water
Date Received: 02/08/23 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		40	658342	ATG	EET BUF	02/09/23 18:43
Total Recoverable	Prep	200.7			658352	VAK	EET BUF	02/10/23 08:17
Total Recoverable	Analysis	200.7 Rev 4.4		1	658556	LMH	EET BUF	02/11/23 02:53
Total/NA	Analysis	SM 2540D		1	658717	SAK	EET BUF	02/14/23 14:50
Total/NA	Analysis	SM 4500 H+ B		1	659159	DLG	EET BUF	02/17/23 12:36

Client Sample ID: Trip Blank

Lab Sample ID: 480-206061-3

Date Collected: 02/08/23 00:00
Matrix: Water
Date Received: 02/08/23 14:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	658342	ATG	EET BUF	02/09/23 19:07

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-206061-1
Project/Site: ChemTrol Site - Monthly

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	o-Chlorotoluene
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
200.7 Rev 4.4	Metals (ICP)	EPA	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 4500 H+ B	pH	SM	EET BUF
200.7	Preparation, Total Recoverable Metals	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206061-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206061-1	Effluent	Water	02/08/23 13:20	02/08/23 14:35
480-206061-2	Influent	Water	02/08/23 13:35	02/08/23 14:35
480-206061-3	Trip Blank	Water	02/08/23 00:00	02/08/23 14:35

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Sean P. Connolly	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-179801-28522.1
Client Contact: Chad Moose	Phone: (716) 393-0820	E-Mail: Ryan.VanDette@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Waste Management	PWSID:			Job #:

Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:		
City: Morrisville	TAT Requested (days): STD		
State, Zip: PA, 19067	Compliance Project: Δ Yes Δ No		
Phone: 215-269-2114(Tel) 215-699-8315(Fax)	PO #: 11231631		
Email: cmoose@wm.com	WO #:		
Project Name: ChemTrol Site/NY22 Event Desc: ChemTrol Monthly Groundwate	Project #: 48002447		
Site: New York	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7 - Iron	624.1_PREC - 624	2540D - Total Suspended Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	A	N	N		
Effluent	2/8/23	1320	G	Water	N	N	1	3	1	1		
Influent	2/8/23	1335	G	Water	N	N	1	3	1	1		
Trip Blank	2/8/23	—	—	Water	N	N		1				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Y - Trizma
	Z - other (specify)

Other:

480-206061 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 2/8/23 @ 1435	Company: Eurofins	Received by:	Date/Time: 2/8/23 @1435	Company: ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.5 #1 ICE

Ver: 01/16/2019

March 2023

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: S. Connelly Weather/Temperature: Cloudy, 32 F
Date: 03/02/2023 Arrival Time: 08:45 Departure Time: 11:00

Reason for Service: Inspect system, perform monthly sampling, clean system

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	See Notes/Explanations section.
Building Exterior		
Overhead Door	X	Wood lintel decaying, header exposed.
Siding	X	Metal trim missing from lintel.
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	
Building Heater	X	
Phone System	X	Disconnected
Exhaust Fan		Could not get fan to work.
Fire Extinguisher	X	
First Aid & Eye Wash	X	

Groundwater Treatment System

Air Stripper	**X**	
Iron Removal Filter	**NA**	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	**X**	See Notes/Explanations section.
Gauges	**X**	
Stripper Blower	**X**	
Indication of Alarm	**X**	

Groundwater Treatment Wells

EW-1 Pump	**X**	
EW-1 Transducer	**X**	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	**X**	
EW-2 Transducer	**X**	
EW- 2 Flow Meter	**X**	
EW-3 Pump		Very low pump rate. About 1 GPM
EW-3 Transducer	**X**	
EW-3 Flow Meter	**X**	

Effluent Discharge

Outfall	**X**	Flowing
Cleanout	**X**	

Instrumentation/Readings:

EW-1

Pumping Rate	3.0 GPM (see Notes section)
Water Level Above Transducer	181 Inches
Flow Meter Reading	Not Working Gallons

EW-2

Pumping Rate	4.0 GPM (see Notes section)
Water Level Above Transducer	190 Inches
Flow Meter Reading	28,543,853 Gallons

EW-3

Pumping Rate	1.0 GPM (see Notes section)
Water Level Above Transducer	236 Inches
Flow Meter Reading	15,696,383 Gallons

Air Stripper

Stripper Blower Pressure (Panel)	16.5 Inches H2O
Stripper Blower Pressure (Stripper)	8.5 Inches H2O

Effluent Flow

Total System Meter Reading	74,613,821 Gallons

Influent/Effluent Sampling

AQUEOUS:
Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D
- pH by MCAWW SM18-20 4500-H+B

pH measurements must be made in the field:

Influent pH 7.0 (field test strip)
Effluent pH 7.0 (field test strip)

Notes/Explanations
(Please include any additional information on those items that require attention as indicated above.)

The system was on at arrival.

Total system flow was timed at 8.0 gpm on system totalizer flow meter. All EWs are pumping.

The SVE building overhead door flashing has wind and header damage.

The AS building overhead door flashing needs replacement.

The most recent round of water levels (4Q2022) was collected December 14, 2022.

The air stripper trays were last mechanically cleaned January 20, 2023.

The monthly samples were collected today, March 2, 2023.

Table 1
March 2, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow*	7,961	7,961	144,000	gpd	NA	NA	NA
pH	7.1	8.0	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 18	< 5.0	5	ug/L	< 0.0003	0.006	lbs/day
Chlorobenzene	< 19	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
cis-1,2-Dichloroethene	< 23	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
Benzene	< 24	< 5.0	5	ug/L	< 0.0003	0.006	lbs/day
1,1,1-Trichloroethane	< 15	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
Chloroethane	< 35	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
1,1-Dichloroethane	< 24	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
1,1-Dichloroethene	< 34	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
Trichloroethene	< 24	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
o-Chlorotoluene	1,300	< 5.0	10	ug/L	< 0.0003	0.012	lbs/day
Iron - Total	751	882	3,000	ug/L	0.06	3.61	lbs/day
TSS	< 4.0	< 4.0	20	mg/L	< 0.27		lbs/day

Notes:

*1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.*

2) < indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) E - Estimated Value, result above calibration curve

6) D - Dilution

7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.

** Average daily flow as measured February 8, 2023 through March 2, 2023.*

Table 2
March 2, 2023 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:	Current Report 3/2/2023	units	Prior Report 2/8/2023
EW-1			
Pumping Rate	3	GPM	6.5
Water Level Above Transducer	181	Inches	182
Flow Meter Reading	NW	gallons	NW
EW-2			
Pumping Rate	4	GPM	0
Water Level Above Transducer	190	Inches	165
Flow Meter Reading	28,543,853	gallons	28,543,853
EW-3			
Pumping Rate	0.5-1	GPM	0
Water Level Above Transducer	236	Inches	203
Flow Meter Reading	15,696,383	gallons	15,696,383
Air Stripper			
Stripper Blower Pressure	16.5	inches H_2O	15.5
Effluent Flow			
Total System Meter Reading	74,613,821	gallons	74,422,762
Average System Flow Since Prior Report	7,961	gpd	
	331.7	gph	
	5.5	gpm	
Influent o-Chlorotoluene concentration	1,300	ug/L	
Current month mass removal	0.9	kilograms	

Note: NA indicates Not Available.
NW - Not working
ug/L - micrograms per liter

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Donovan
Waste Management
600 New Ludlow Road
South Hadley, Massachusetts 01075

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JOB DESCRIPTION

ChemTrol Site - Monthly
ChemTrol Monthly Groundwater

JOB NUMBER

480-206600-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

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Authorization

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Table of Contents

Cover Page 1
Table of Contents 3
Definitions 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 10
QC Association 12
Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17

Definitions/Glossary

Client: Waste Management
Job ID: 480-206600-1
Project/Site: ChemTrol Site - Monthly

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Job ID: 480-206600-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206600-1

Receipt
The samples were received on 3/2/2023 11:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.7º C.

GC/MS VOA
Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-206600-2). Elevated reporting limits (RLs) are provided.

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

Metals
Method 200.7: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: Effluent (480-206600-1) and Influent (480-206600-2). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.

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

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Effluent (480-206600-1) and Influent (480-206600-2).

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

Detection Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Client Sample ID: Effluent — Lab Sample ID: 480-206600-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	882		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
pH	8.0	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	18.8	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-206600-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	1300		13		ug/L	40		624.1	Total/NA
Iron	751		50.0		ug/L	1		200.7 Rev 4.4	Total Recoverable
pH	7.1	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	19.2	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-206600-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Client Sample ID: Effluent

Date Collected: 03/02/23 09:00
Date Received: 03/02/23 11:50

Lab Sample ID: 480-206600-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			03/02/23 22:31	1
1,1-Dichloroethane	ND		5.0		ug/L			03/02/23 22:31	1
1,1-Dichloroethene	ND		5.0		ug/L			03/02/23 22:31	1
Benzene	ND		5.0		ug/L			03/02/23 22:31	1
Chlorobenzene	ND		5.0		ug/L			03/02/23 22:31	1
Chloroethane	ND		5.0		ug/L			03/02/23 22:31	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/02/23 22:31	1
Toluene	ND		5.0		ug/L			03/02/23 22:31	1
Trichloroethene	ND		5.0		ug/L			03/02/23 22:31	1
o-Chlorotoluene	ND		5.0		ug/L			03/02/23 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 130*		*03/02/23 22:31*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*03/02/23 22:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*03/02/23 22:31*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*03/02/23 22:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**882**		50.0		ug/L		03/08/23 08:33	03/08/23 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			03/06/23 15:15	1
pH (SM 4500 H+ B)	**8.0**	**HF**	0.1		SU			03/17/23 14:15	1
Temperature (SM 4500 H+ B)	**18.8**	**HF**	0.001		Degrees C			03/17/23 14:15	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Client Sample ID: Influent

Date Collected: 03/02/23 09:20
Date Received: 03/02/23 11:50

Lab Sample ID: 480-206600-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			03/02/23 22:55	40
1,1-Dichloroethane	ND		24		ug/L			03/02/23 22:55	40
1,1-Dichloroethene	ND		34		ug/L			03/02/23 22:55	40
Benzene	ND		24		ug/L			03/02/23 22:55	40
Chlorobenzene	ND		19		ug/L			03/02/23 22:55	40
Chloroethane	ND		35		ug/L			03/02/23 22:55	40
cis-1,2-Dichloroethene	ND		23		ug/L			03/02/23 22:55	40
Toluene	ND		18		ug/L			03/02/23 22:55	40
Trichloroethene	ND		24		ug/L			03/02/23 22:55	40
o-Chlorotoluene	**1300**		13		ug/L			03/02/23 22:55	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*03/02/23 22:55*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*03/02/23 22:55*	*40*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*03/02/23 22:55*	*40*
Toluene-d8 (Surr)	*100*		*77 - 120*		*03/02/23 22:55*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**751**		50.0		ug/L		03/08/23 08:33	03/08/23 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			03/06/23 15:15	1
pH (SM 4500 H+ B)	**7.1**	**HF**	0.1		SU			03/17/23 14:16	1
Temperature (SM 4500 H+ B)	**19.2**	**HF**	0.001		Degrees C			03/17/23 14:16	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Client Sample ID: Trip Blank
Date Collected: 03/02/23 00:00
Date Received: 03/02/23 11:50

Lab Sample ID: 480-206600-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			03/02/23 23:19	1
1,1-Dichloroethane	ND		5.0		ug/L			03/02/23 23:19	1
1,1-Dichloroethene	ND		5.0		ug/L			03/02/23 23:19	1
Benzene	ND		5.0		ug/L			03/02/23 23:19	1
Chlorobenzene	ND		5.0		ug/L			03/02/23 23:19	1
Chloroethane	ND		5.0		ug/L			03/02/23 23:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/02/23 23:19	1
Toluene	ND		5.0		ug/L			03/02/23 23:19	1
Trichloroethene	ND		5.0		ug/L			03/02/23 23:19	1
o-Chlorotoluene	ND		5.0		ug/L			03/02/23 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*03/02/23 23:19*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*03/02/23 23:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*03/02/23 23:19*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*03/02/23 23:19*	*1*

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

Lab Sample ID: MB 480-660323/8
Matrix: Water
Analysis Batch: 660323

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			03/02/23 16:37	1
1,1-Dichloroethane	ND		5.0		ug/L			03/02/23 16:37	1
1,1-Dichloroethene	ND		5.0		ug/L			03/02/23 16:37	1
Benzene	ND		5.0		ug/L			03/02/23 16:37	1
Chlorobenzene	ND		5.0		ug/L			03/02/23 16:37	1
Chloroethane	ND		5.0		ug/L			03/02/23 16:37	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			03/02/23 16:37	1
Toluene	ND		5.0		ug/L			03/02/23 16:37	1
Trichloroethene	ND		5.0		ug/L			03/02/23 16:37	1
o-Chlorotoluene	ND		5.0		ug/L			03/02/23 16:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 130*		*03/02/23 16:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/02/23 16:37*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*03/02/23 16:37*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*03/02/23 16:37*	*1*

Lab Sample ID: LCS 480-660323/6
Matrix: Water
Analysis Batch: 660323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.7		ug/L		109	52 - 162
1,1-Dichloroethane	20.0	19.8		ug/L		99	59 - 155
1,1-Dichloroethene	20.0	20.5		ug/L		102	1 - 234
Benzene	20.0	19.8		ug/L		99	37 - 151
Chlorobenzene	20.0	20.2		ug/L		101	37 - 160
Chloroethane	20.0	18.9		ug/L		95	14 - 230
Toluene	20.0	20.1		ug/L		100	47 - 150
Trichloroethene	20.0	21.3		ug/L		107	71 - 157

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*
Toluene-d8 (Surr)	*98*		*77 - 120*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-660736/1-A
Matrix: Water
Analysis Batch: 660981

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 660736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		03/08/23 08:33	03/08/23 17:11	1

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

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

Lab Sample ID: LCS 480-660736/2-A
Matrix: Water
Analysis Batch: 660981

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 660736

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Iron			10000	10300		ug/L		103	85 - 115		

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-660620/1
Matrix: Water
Analysis Batch: 660620

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			03/06/23 15:15	1

Lab Sample ID: LCS 480-660620/2
Matrix: Water
Analysis Batch: 660620

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Suspended Solids			308	300.8		mg/L		98	88 - 110		

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-661954/1
Matrix: Water
Analysis Batch: 661954

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			7.00	7.0		SU		100	99 - 101		

QC Association Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

GC/MS VOA

Analysis Batch: 660323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206600-1	Effluent	Total/NA	Water	624.1	
480-206600-2	Influent	Total/NA	Water	624.1	
480-206600-3	Trip Blank	Total/NA	Water	624.1	
MB 480-660323/8	Method Blank	Total/NA	Water	624.1	
LCS 480-660323/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 660736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206600-1	Effluent	Total Recoverable	Water	200.7	
480-206600-2	Influent	Total Recoverable	Water	200.7	
MB 480-660736/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-660736/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 660981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206600-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	660736
480-206600-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	660736
MB 480-660736/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	660736
LCS 480-660736/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	660736

General Chemistry

Analysis Batch: 660620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206600-1	Effluent	Total/NA	Water	SM 2540D	
480-206600-2	Influent	Total/NA	Water	SM 2540D	
MB 480-660620/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-660620/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 661954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206600-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-206600-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-661954/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Client Sample ID: Effluent

Lab Sample ID: 480-206600-1

Date Collected: 03/02/23 09:00
Matrix: Water
Date Received: 03/02/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	660323	ATG	EET BUF	03/02/23 22:31
Total Recoverable	Prep	200.7			660736	VAK	EET BUF	03/08/23 08:33
Total Recoverable	Analysis	200.7 Rev 4.4		1	660981	LMH	EET BUF	03/08/23 17:31
Total/NA	Analysis	SM 2540D		1	660620	SAK	EET BUF	03/06/23 15:15
Total/NA	Analysis	SM 4500 H+ B		1	661954	DLG	EET BUF	03/17/23 14:15

Client Sample ID: Influent

Lab Sample ID: 480-206600-2

Date Collected: 03/02/23 09:20
Matrix: Water
Date Received: 03/02/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		40	660323	ATG	EET BUF	03/02/23 22:55
Total Recoverable	Prep	200.7			660736	VAK	EET BUF	03/08/23 08:33
Total Recoverable	Analysis	200.7 Rev 4.4		1	660981	LMH	EET BUF	03/08/23 17:34
Total/NA	Analysis	SM 2540D		1	660620	SAK	EET BUF	03/06/23 15:15
Total/NA	Analysis	SM 4500 H+ B		1	661954	DLG	EET BUF	03/17/23 14:16

Client Sample ID: Trip Blank

Lab Sample ID: 480-206600-3

Date Collected: 03/02/23 00:00
Matrix: Water
Date Received: 03/02/23 11:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	660323	ATG	EET BUF	03/02/23 23:19

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	o-Chlorotoluene
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET BUF
200.7 Rev 4.4	Metals (ICP)	EPA	EET BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	EET BUF
SM 4500 H+ B	pH	SM	EET BUF
200.7	Preparation, Total Recoverable Metals	EPA	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: ChemTrol Site - Monthly

Job ID: 480-206600-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206600-1	Effluent	Water	03/02/23 09:00	03/02/23 11:50
480-206600-2	Influent	Water	03/02/23 09:20	03/02/23 11:50
480-206600-3	Trip Blank	Water	03/02/23 00:00	03/02/23 11:50

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Sean T. Connelly	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-179428-28522.1
Client Contact: Chad Moose	Phone: (716) 393-0870	E-Mail: Ryan.VanDette@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Waste Management	PWSID:			Job #:

Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:
City: Morrisville	TAT Requested (days): STD
State, Zip: PA, 19067	Compliance Project: Δ Yes Δ No
Phone: 215-269-2114(Tel) 215-699-8315(Fax)	PO #: 11231631
Email: cmoose@wm.com	WO #:
Project Name: ChemTrol Site/NY22 Event Desc: ChemTrol Monthly Groundwate	Project #: 48002447
Site: New York	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7 - Iron	624.1_PREC - 624	2540D - Total Suspended Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N		
Effluent	3/2/23	0900	G	Water	N	N	1	3	1	1		
Influent	3/2/23	0920	G	Water	N	N	1	3	1	1		
Trip Blank	3/2/23	-	-	Water	N	N		1				

480-206600 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/2/23 @ 1150	Accom			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3-2-23 1150	Company TAS

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 8.7 # ICE

Ver: 06/08/2021