

Fourth Quarter 2022 – October, November, December Operation, Maintenance, and Monitoring Report

CHEM-TROL Site NYSDEC Site No. 9-15-015 Report.hw915015.2023-02-07.4Q2022OMM

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

February 7, 2023

AECOM Project No. 60652207.3



AECOM 1 John James Audubon Pkwy Suite 210 Amherst, NY 14228 716 856 5636 tel www.aecom.com

February 7, 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

Fourth Quarter 2022 Operation, Maintenance, and Monitoring Report

Chem-Trol Site, NYSDEC Site No. 9-15-015, Report.hw915015.2023-02-07.4Q2022OMM

Dear Mr. May:

Enclosed please find the Fourth Quarter 2022 (4Q22 – October, November, December) 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 4Q22:

- 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 4Q22 is as follows:

October 2022

AECOM collected the monthly monitoring samples on October 11, 2022; analytical data were received on October 19, 2022. As presented on Table 1 (October 11, 2022), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

On October 21, 2022 Matrix Environmental installed a new pump in EW-1 and adjusted the pumping flow for the system.

November 2022

AECOM collected the monthly monitoring samples on November 15, 2022; analytical data were received on November 30, 2022. As presented on Table 1 (November 15, 2022), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

December 2022

AECOM collected the monthly monitoring samples on December 14, 2022; analytical data were received on December 22, 2022. As presented on Table 1 (December 14, 2022), there were no

Mr. Glenn May, PG February 7, 2023 Page 2

AECOM

exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

On December 14, 2022, AECOM performed pressure washing and mechanical cleaning of the air stripper trays.

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

Very truly yours, AECOM

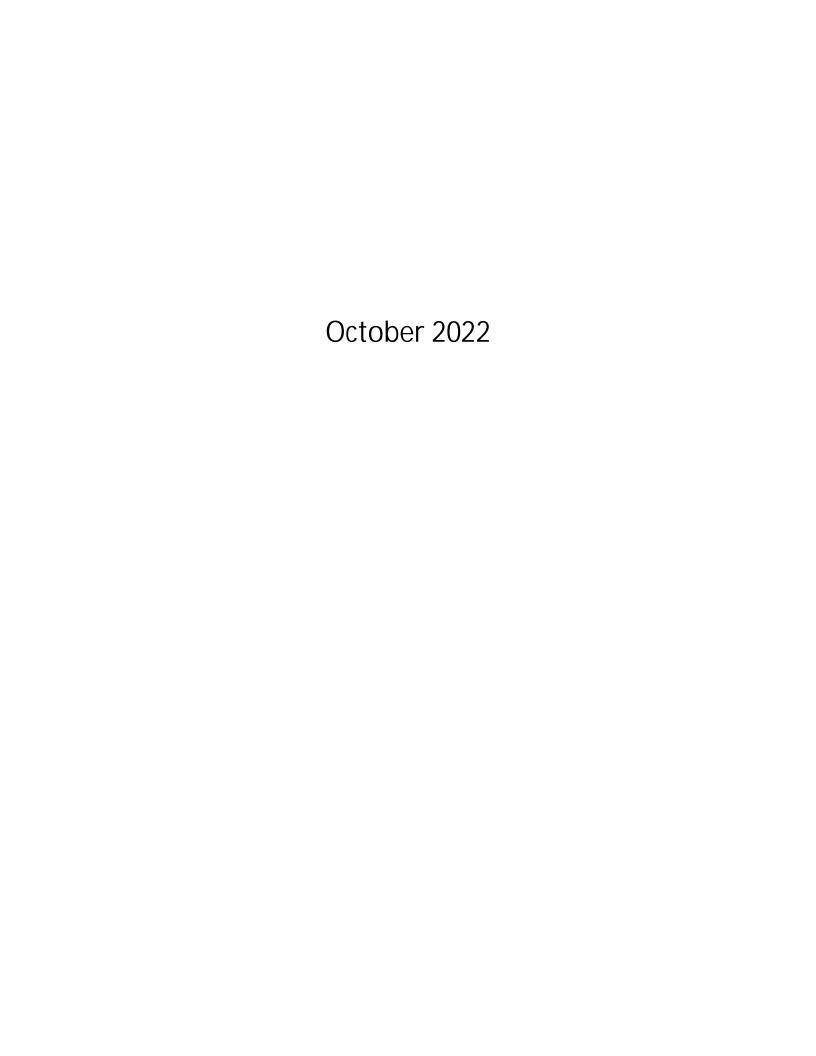
James L. Kaczor Project Manager

James L. Kayon

Enclosure

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

60652207 Project File



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.

<u>General</u>

/Temperatu	re: Sunny, 68 F					
0_Depart	ure Time: <u>1635</u>					
and perform	monthly sampling					
<u>OK:</u>	Comments:					
X	See Notes/Explanations section.					
X	Wood lintel decaying, header exposed.					
X	Metal trim missing from lintel.					
<u>X</u>						
	Slight leak from air stripper "door"					
X	Turned heater off					
X	Disconnected					
	Could not get fan to work.					
X						
X						
	O Depart					

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	Pump is currently down
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	

Flowing slowly

X

Outfall

Cleanout

Instrumentation/Neadings.	
EW-1	
Pumping Rate	GPM (see Notes section)
Water Level Above Transducer	<u>270</u> Inches
Flow Meter Reading	Not Working Gallons
EW-2	
Pumping Rate	O GPM (see Notes section)
Water Level Above Transducer	162Inches
Flow Meter Reading	<u>28,538,538</u> Gallons
EW-3	
Pumping Rate	GPM (see Notes section)
Water Level Above Transducer	<u>174</u> Inches
Flow Meter Reading	<u>15,696,383</u> Gallons
Air Stripper	
Stripper Blower Pressure	Inches H2O
Effluent Flow	
Total System Meter Reading	<u>73,529,731</u> 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 2.0 gpm on system totalizer flow meter. During the visit, EW-2, and EW-3 influent valves were individually closed to test flow by reading response on transducer elevation; noted rise in transducer elevation when valve was closed and drop when valve was opened confirming well was pumping for EW-2 and EW-3. EW-1 is currently down.

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 (2Q2022) was collected on June 21, 2022.

The air stripper trays were last mechanically cleaned on September 15, 2022.

The monthly samples were collected today, October 11, 2022, by AECOM.

The annual grass mowing has been completed since the last monthly sampling.

The flow through the system has been below typical rates for this time of year. AECOM called subcontractor Matrix Environmental to schedule a site visit and review level settings. AECOM reviewing weather trends for below average precipitation.

Table 1
October 11, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

				Conce	Mass Loading				
Parameters		Influent		Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow [*] pH		2,450 7.0		2,450 8.1	144,000 6.5 to 8.5	gpd standard units	NA NA	NA NA	NA NA
Toluene Chlorobenzene cis-1,2-Dichloroethene Benzene 1,1,1-Trichloroethane Chloroethane 1,1-Dichloroethane 1,1-Dichloroethene Trichloroethene o-Chlorotoluene	< < < < < < < < < < < < < < < < < < <	18 19 23 24 15 35 24 34 24 3,200	< < < < < < < < < < <	5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	5 10 10 5 10 10 10 10 10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	< 0.0001 < 0.0001 < 0.0001 < 0.0001 < 0.0001 < 0.0001 < 0.0001 < 0.0001 < 0.0001	0.006 0.012 0.012 0.006 0.012 0.012 0.012 0.012 0.012 0.012 0.012	lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day
Iron - Total TSS		521 4.0		260 5.2	3,000	ug/L mg/L	0.01 0.11	3.61	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 September 12, 2022 through October 11, 2022.

Table 2
October 11, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrumen	ntation/Readings:	Current Report 10/11/2022	units	Prior Report 9/12/2022	
277-1	Pumping Rate	0	GPM	0	
	Water Level Above Transducer	270	Inches	274	
	Flow Meter Reading	NW	gallons	NW	
EW-2					
	Pumping Rate	0	GPM	0	
	Water Level Above Transducer	162	Inches	179	
	Flow Meter Reading	28,538,538	gallons	28,538,192	
EW-3					
	Pumping Rate	0	GPM	0	
	Water Level Above Transducer	174	Inches	197	
	Flow Meter Reading	15,696,383	gallons	15,696,383	
Air Strippe	er				
	Stripper Blower Pressure	32.0	inches H ₂ O	15.5	
Effluent F	low				
	Total System Meter Reading	73,529,731	gallons	73,458,671	
	Average System Flow Since Prior Report	2,450	gpd		
		102.1	gph		
		1.7	gpm		
	Influent o-Chlorotoluene concentration	3,200	ug/L		
	Current month mass removal	0.9	kilograms		

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-202585-1

Client Project/Site: ChemTrol Site - Monthly Sampling Event: ChemTrol Monthly Groundwater

For:

Waste Management 600 New Ludlow Road South Hadley, Massachusetts 01075

Attn: Ryan Donovan

hattlep fergisau

Authorized for release by: 10/19/2022 2:46:15 PM

Katelyn Ferguson, Project Manager I katelyn.ferguson@et.eurofinsus.com

Designee for

Ryan VanDette, Project Manager II (716)504-9830

Ryan.VanDette@et.eurofinsus.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Visit us at:

www.eurofinsus.com/Env

Client: Waste Management Project/Site: ChemTrol Site - Monthly Laboratory Job ID: 480-202585-1

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Definitions/Glossary

Client: Waste Management Job ID: 480-202585-1

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

Duplicate Error Ratio (normalized absolute difference) **DER**

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)

Estimated Detection Limit (Dioxin) **EDL** 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 Method Quantitation Limit MQL

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**

Relative Error Ratio (Radiochemistry) **RER**

Reporting Limit or Requested Limit (Radiochemistry) RL

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

Job ID: 480-202585-1 Project/Site: ChemTrol Site - Monthly

Job ID: 480-202585-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-202585-1

Comments

No additional comments.

Receipt

The samples were received on 10/12/2022 8:00 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 3.5° C.

GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-202585-2). 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.

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

General Chemistry

Methods 9040B, 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 (480-202585-1) and Influent (480-202585-2).

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

Client Sample ID: Effluent

Lab Sample ID: 480-202585-1

Job ID: 480-202585-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	260		50.0		ug/L	1	_	200.7 Rev 4.4	Total
Total Suspended Solids	5.2		4.0		mg/L	1		SM 2540D	Recoverable Total/NA
pH	8.1	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	17.3	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent Lab Sample ID: 480-202585-2

Analyte o-Chlorotoluene	Result Qualifie	er RL 13	MDL Unit ug/L	<u>Dil Fac</u> D	Method 624.1	Prep Type Total/NA
Iron	521	50.0	ug/L	1	200.7 Rev 4.4	Total
pH	7.1 HF	0.1	SU	1	SM 4500 H+ B	Recoverable Total/NA
Temperature	16.6 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-202585-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

Analyte

Lab Sample ID: 480-202585-1 **Client Sample ID: Effluent**

Matrix: Water

Prepared

Analyzed

Date Collected: 10/11/22 15:10 Date Received: 10/12/22 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/12/22 17:06	1
1,1-Dichloroethane	ND		5.0		ug/L			10/12/22 17:06	1
1,1-Dichloroethene	ND		5.0		ug/L			10/12/22 17:06	1
Benzene	ND		5.0		ug/L			10/12/22 17:06	1
Chlorobenzene	ND		5.0		ug/L			10/12/22 17:06	1
Chloroethane	ND		5.0		ug/L			10/12/22 17:06	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/12/22 17:06	1
Toluene	ND		5.0		ug/L			10/12/22 17:06	1
Trichloroethene	ND		5.0		ug/L			10/12/22 17:06	1
o-Chlorotoluene	ND		5.0		ug/L			10/12/22 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 130			-		10/12/22 17:06	1
Dibromofluoromethane (Surr)	106		75 - 123					10/12/22 17:06	1
4-Bromofluorobenzene (Surr)	98		76 - 123					10/12/22 17:06	1
Toluene-d8 (Surr)	99		77 - 120					10/12/22 17:06	1

Iron	260		50.0		ug/L		10/14/22 09:25	10/14/22 22:59	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	5.2		4.0		mg/L			10/17/22 17:46	1
pH (SM 4500 H+ B)	8.1	HF	0.1		SU			10/18/22 15:57	1
Temperature (SM 4500 H+ B)	17.3	HE	0.001		Degrees C			10/18/22 15:57	1

RL

MDL Unit

Result Qualifier

Dil Fac

Client Sample Results

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Influent Lab Sample ID: 480-202585-2

Date Collected: 10/11/22 15:30 **Matrix: Water** Date Received: 10/12/22 08:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			10/12/22 17:30	40
1,1-Dichloroethane	ND		24		ug/L			10/12/22 17:30	40
1,1-Dichloroethene	ND		34		ug/L			10/12/22 17:30	40
Benzene	ND		24		ug/L			10/12/22 17:30	40
Chlorobenzene	ND		19		ug/L			10/12/22 17:30	40
Chloroethane	ND		35		ug/L			10/12/22 17:30	40
cis-1,2-Dichloroethene	ND		23		ug/L			10/12/22 17:30	40
Toluene	ND		18		ug/L			10/12/22 17:30	40
Trichloroethene	ND		24		ug/L			10/12/22 17:30	40
o-Chlorotoluene	3200		13		ug/L			10/12/22 17:30	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 130					10/12/22 17:30	40
Dibromofluoromethane (Surr)	106		75 - 123					10/12/22 17:30	40
4-Bromofluorobenzene (Surr)	98		76 - 123					10/12/22 17:30	40
Toluene-d8 (Surr)	97		77 - 120					10/12/22 17:30	40

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Iron	521		50.0		ug/L		10/14/22 09:25	10/14/22 23:29	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			10/17/22 17:46	1
pH (SM 4500 H+ B)	7.1	HF	0.1		SU			10/18/22 15:57	1
Temperature (SM 4500 H+ B)	16.6	HF	0.001		Degrees C			10/18/22 15:57	1

10/19/2022

Client Sample Results

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Trip Blank

Lab Sample ID: 480-202585-3

Date Collected: 10/11/22 00:00 **Matrix: Water** Date Received: 10/12/22 08:00

Method: 40CFR136A 624.1	- Volatile Orga	nic Compo	ounds (GC/M	S)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	MD		5.0		ug/L			10/12/22 17:54	1
1,1-Dichloroethane	ND		5.0		ug/L			10/12/22 17:54	1
1,1-Dichloroethene	ND		5.0		ug/L			10/12/22 17:54	1
Benzene	ND		5.0		ug/L			10/12/22 17:54	1
Chlorobenzene	ND		5.0		ug/L			10/12/22 17:54	1
Chloroethane	ND		5.0		ug/L			10/12/22 17:54	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/12/22 17:54	1
Toluene	ND		5.0		ug/L			10/12/22 17:54	1
Trichloroethene	ND		5.0		ug/L			10/12/22 17:54	1
o-Chlorotoluene	ND		5.0		ug/L			10/12/22 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		68 - 130			-		10/12/22 17:54	1
Dibromofluoromethane (Surr)	103		75 - 123					10/12/22 17:54	1
4-Bromofluorobenzene (Surr)	98		76 - 123					10/12/22 17:54	1
Toluene-d8 (Surr)	97		77 - 120					10/12/22 17:54	1

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

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

Lab Sample ID: MB 480-645044/8

Matrix: Water

Analysis Batch: 645044

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

MB MB Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Analyte 1,1,1-Trichloroethane ND 5.0 ug/L 10/12/22 12:56 1,1-Dichloroethane ND 5.0 ug/L 10/12/22 12:56 ND 1,1-Dichloroethene 5.0 ug/L 10/12/22 12:56 Benzene ND 5.0 10/12/22 12:56 ug/L Chlorobenzene ND 5.0 ug/L 10/12/22 12:56 Chloroethane ND 5.0 ug/L 10/12/22 12:56 cis-1,2-Dichloroethene ND 5.0 ug/L 10/12/22 12:56 Toluene ND 5.0 ug/L 10/12/22 12:56 Trichloroethene ND 5.0 ug/L 10/12/22 12:56 o-Chlorotoluene ND 5.0 ug/L 10/12/22 12:56

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		68 - 130		10/12/22 12:56	1
Dibromofluoromethane (Surr)	100		75 - 123		10/12/22 12:56	1
4-Bromofluorobenzene (Surr)	99		76 - 123		10/12/22 12:56	1
Toluene-d8 (Surr)	97		77 - 120		10/12/22 12:56	1

Lab Sample ID: LCS 480-645044/6

Matrix: Water

Analysis Batch: 645044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	17.9		ug/L		90	52 - 162	
1,1-Dichloroethane	20.0	17.9		ug/L		90	59 - 155	
1,1-Dichloroethene	20.0	17.6		ug/L		88	1 - 234	
Benzene	20.0	17.5		ug/L		88	37 - 151	
Chlorobenzene	20.0	17.5		ug/L		87	37 - 160	
Chloroethane	20.0	21.8		ug/L		109	14 - 230	
Toluene	20.0	17.4		ug/L		87	47 - 150	
Trichloroethene	20.0	17.7		ug/L		89	71 - 157	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		68 - 130
Dibromofluoromethane (Surr)	101		75 - 123
4-Bromofluorobenzene (Surr)	99		76 - 123
Toluene-d8 (Surr)	98		77 - 120

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-645362/1-A

Matrix: Water

Analysis Batch: 645695

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 645362

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		10/14/22 09:25	10/14/22 22:51	1

Eurofins Buffalo

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

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

Lab Sample ID: LCS 480-645362/2-A Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total Recoverable Analysis Batch: 645695 Prep Batch: 645362 Spike LCS LCS %Rec

Result Qualifier Added Unit %Rec Limits Analyte Iron 10000 10260 ug/L 102 85 - 115

Lab Sample ID: 480-202585-1 MS Client Sample ID: Effluent **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 645695 Prep Batch: 645362**

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 10000 70 - 130 Iron 260 10270 ug/L 100

Lab Sample ID: 480-202585-1 MSD Client Sample ID: Effluent **Prep Type: Total Recoverable Matrix: Water**

Analysis Batch: 645695 Prep Batch: 645362

Spike MSD MSD %Rec **RPD** Sample Sample Result Qualifier Added Result Qualifier Limits RPD **Analyte** Unit %Rec Limit Iron 260 10000 10400 101 70 - 130 20 ug/L

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

Lab Sample ID: MB 480-645923/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 645923

MB MB

Analyte Result Qualifier RL **RL Unit** Prepared Analyzed Dil Fac Total Suspended Solids $\overline{\mathsf{ND}}$ 4.0 mg/L 10/17/22 17:46

Lab Sample ID: LCS 480-645923/2 **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA**

Analysis Batch: 645923

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Suspended Solids 401 381.2 mg/L 95 88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-646071/1 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 646071

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits pН 7.00 7.1 SU 101 99 - 101

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10/19/2022

QC Association Summary

Client: Waste Management

Job ID: 480-202585-1 Project/Site: ChemTrol Site - Monthly

GC/MS VOA

Analysis Batch: 645044

Lab Sample ID 480-202585-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method 624.1	Prep Batch
480-202585-2	Influent	Total/NA	Water	624.1	
480-202585-3	Trip Blank	Total/NA	Water	624.1	
MB 480-645044/8	Method Blank	Total/NA	Water	624.1	
LCS 480-645044/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 645362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202585-1	Effluent	Total Recoverable	Water	200.7	
480-202585-2	Influent	Total Recoverable	Water	200.7	
MB 480-645362/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-645362/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
480-202585-1 MS	Effluent	Total Recoverable	Water	200.7	
480-202585-1 MSD	Effluent	Total Recoverable	Water	200.7	

Analysis Batch: 645695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-202585-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	645362
480-202585-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	645362
MB 480-645362/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	645362
LCS 480-645362/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	645362
480-202585-1 MS	Effluent	Total Recoverable	Water	200.7 Rev 4.4	645362
480-202585-1 MSD	Effluent	Total Recoverable	Water	200.7 Rev 4.4	645362

General Chemistry

Analysis Batch: 645923

Lab Sample ID 480-202585-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 2540D	Prep Batch
480-202585-2	Influent	Total/NA	Water	SM 2540D	
MB 480-645923/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-645923/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 646071

Lab Sample ID 480-202585-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 4500 H+ B	Prep Batch
480-202585-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-646071/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Eurofins Buffalo

10/19/2022

Lab Chronicle

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Effluent

Date Received: 10/12/22 08:00

Lab Sample ID: 480-202585-1 Date Collected: 10/11/22 15:10

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1		1	645044	ATG	EET BUF	10/12/22 17:06
Total Recoverable	Prep	200.7			645362	NVK	EET BUF	10/14/22 09:25
Total Recoverable	Analysis	200.7 Rev 4.4		1	645695	LMH	EET BUF	10/14/22 22:59
Total/NA	Analysis	SM 2540D		1	645923	EJL	EET BUF	10/17/22 17:46
Total/NA	Analysis	SM 4500 H+ B		1	646071	ARR	EET BUF	10/18/22 15:57

Client Sample ID: Influent Lab Sample ID: 480-202585-2

Date Collected: 10/11/22 15:30 **Matrix: Water**

Date Received: 10/12/22 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1		40	645044	ATG	EET BUF	10/12/22 17:30
Total Recoverable	Prep	200.7			645362	NVK	EET BUF	10/14/22 09:25
Total Recoverable	Analysis	200.7 Rev 4.4		1	645695	LMH	EET BUF	10/14/22 23:29
Total/NA	Analysis	SM 2540D		1	645923	EJL	EET BUF	10/17/22 17:46
Total/NA	Analysis	SM 4500 H+ B		1	646071	ARR	EET BUF	10/18/22 15:57

Lab Sample ID: 480-202585-3 **Client Sample ID: Trip Blank**

Date Collected: 10/11/22 00:00 **Matrix: Water**

Date Received: 10/12/22 08:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1			645044	ATG	EET BUF	10/12/22 17:54

Laboratory References:

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

Eurofins Buffalo

Accreditation/Certification Summary

Client: Waste Management Job ID: 480-202585-1

Project/Site: ChemTrol Site - Monthly

Laboratory: Eurofins Buffalo

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

Authority	I	Program	Identification Number	Expiration Date
New York		NELAP	10026	03-31-23
The following analytes the agency does not o		port, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
624.1		Water	o-Chlorotoluene	
SM 4500 H+ B		Water	рН	
SM 4500 H+ B		Water	Temperature	

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Method Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

Job ID: 480-202585-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	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	рН	SM	EET BUF
200.7	Preparation, Total Recoverable Metals	EPA	EET BUF

Protocol References:

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

EPA = US Environmental Protection Agency

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

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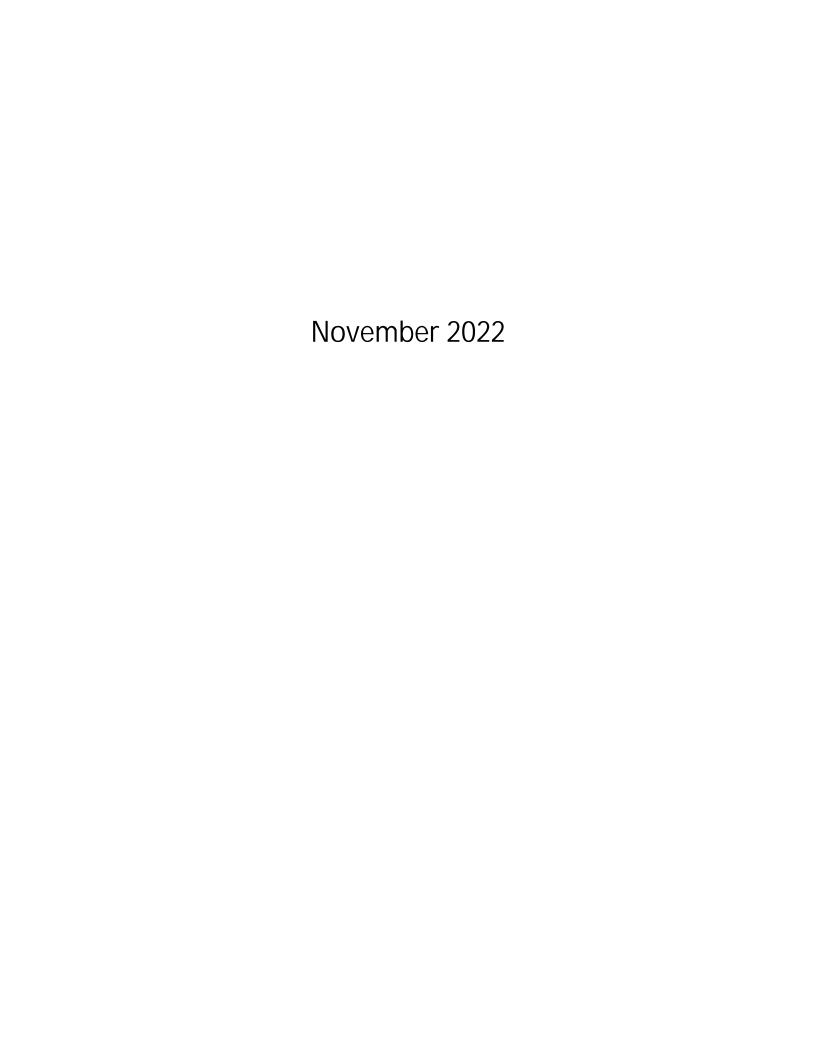
Sample Summary

Client: Waste Management Project/Site: ChemTrol Site - Monthly Job ID: 480-202585-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-202585-1	Effluent	Water	10/11/22 15:10	10/12/22 08:00
480-202585-2	Influent	Water	10/11/22 15:30	10/12/22 08:00
480-202585-3	Trip Blank	Water	10/11/22 00:00	10/12/22 08:00

Chain of Custody Record

Client Information Client Contact Chad Mose												America
ient Contact: had Moose	Sampler:	Courselly	140	Lab PM: VanDe	Lab PM: VanDette, Rvan T			Carrier Tracking No(s)	king No(s):	CO CO	COC No.	
	Phone: (216)	0-265	0840	E-Mail:	E-Mail: Rvan VanDette@et eurofineus com	et et irrofine	800	State of Origin.	gin:	Page:	J-1/04/8-280	1.770
Company: Waste Management			PWSID:				Analysis	Analysis Dominated		Job do	Page 1 of 1 Job#:	
Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:			885.70				nednesien		Pre	Preservation Codes	
City: Morrisville	TAT Requested (days)	I., N			100						HCL NaOH	
State, Zip: PA, 19067	Compliance Project:	△ Yes △ No								0 0 u	Zn Acetate Nitric Acid	
Phone: 215-269-2114(Tel) 215-699-8315(Fax)	PO#: 11231631										F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4 T TSS P. 1
Email: cmoose@wm.com	, #OM			OF NO		st					Ascorbic Acid ce	
Project Name: ChemTrol Site/NY22 Event Desc: ChemTrol Monthly Groundwate 48002447	Project #: dwate 48002447			50,		oilo8 b					S - DI Waler K - EDTA L - EDA	W - pH 4-5 Y - Trizma
Site: New York	SSOW#			elams						San Carlotte Laboratory	er:	Z - other (specify)
		Sample	Sample Type	Matrix (W=water, S=solid, d Filtered	MSM moo	1_PREC - 62	Hd - +H_000			o sedmuN		
Sample Identification	Sample Date	-	7	£	Per	5240	+IAIC			stoT	Special Ir	Special Instructions/Note:
Effluent	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0/5/	Mater Water	Water		z ·				X	$\left \cdot \right $	
Influent	1	+	5 '							80 9		
Trin Blank		+	3,		- ک	$^+$						
ip Dialin	22/11/01	١	3	Water	3			_		0.10		
								4	480-202585 Chain of Custody	nain of Cus	tody	
								-				
Possible Hazard Identification Non-Hazard Plammable Skin Irritant	Poison B Unknown		Radiological		Sample	Disposal (A fee may t	e assessed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	e retained le	onger than 1	month)
eliverable Requested: I, II, III, IV, Other (specify)					Special II	nstructions	Special Instructions/QC Requirements:	ments:	y Lab	Archive	For	Months
Empty Kit Relinquished by:		Date:		-	Time:			Metho	Method of Shipment:			
Keindushed. :	1/21/	260	ر ا ا	Company	Receiv	Received by:	- D.	 _Y	Date/Time:	1/23 (00800	Company
eniquisied by.	Date/Time:		S	Сомрапу	Received by	ed by:			Date/Time:	6.1		Company
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Custody Seals Intact: Custody Seal No.: Δ Yes Δ No	64				Cooler	Temperatur	Cooler Temperature(s) °C and Other Remarks:	r Remarks:	1	一大	7	



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: T. Urban; C. Horrocks	_Weather/Temp	perature: Overcast, 32 F
Date: <u>11/15/2022</u> Arrival Time:	0730 Depart	ure Time: <u>1400</u>
Reason for Service: <u>Inspect syst</u>	em, perform mo	onthly sampling, clean system
Inspection Items:	<u>OK:</u>	Comments:
Site Appearance/Condition	<u>X</u>	See Notes/Explanations section.
Building Exterior		
Overhead Door	<u>X</u>	Wood lintel decaying, header exposed.
Siding	<u> </u>	Metal trim missing from lintel.
Roof and Discharge Pipe	<u>X</u>	
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	<u> </u>	
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	Pump replaced October 21, 2022
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		

X

X

Flowing

Outfall

Cleanout

Instrumentation/Readings: **EW-1 Pumping Rate** 7 (estimated) GPM (see Notes section) Water Level Above Transducer <u>167</u> Inches Not Working Gallons Flow Meter Reading *EW-2* **Pumping Rate** 0 GPM (see Notes section) 183 Inches Water Level Above Transducer Flow Meter Reading 28,538,902 Gallons *EW-3* **Pumping Rate** _GPM (see Notes section) Water Level Above Transducer 203 Inches Flow Meter Reading 15,696,383 Gallons Air Stripper Stripper Blower Pressure 33 Inches H2O Effluent Flow **Total System Meter Reading** 73,763,360 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 6.5 (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.

The EW-1 pump was replaced October 21, 2022.

Total system flow was timed at 7.0 gpm on system totalizer flow meter. All EW's are pumping. EW-1 estimated to produce the majority of flow.

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 (3Q2022) was collected on October 27, 2022.

The air stripper trays were mechanically cleaned today. The most recent prior cleaning was performed on September 15, 2022.

The monthly samples were not collected today, November 15, 2022.

Table 1
November 15, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

		Conce	entration			Mass Loading	
Parameters	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow [*] pH	6,871 7.1	6,871 7.9	144,000 6.5 to 8.5	gpd standard units	NA NA	NA NA	NA NA
Toluene Chlorobenzene cis-1,2-Dichloroethene Benzene 1,1,1-Trichloroethane Chloroethane 1,1-Dichloroethane 1,1-Dichloroethene Trichloroethene o-Chlorotoluene	< 18 < 19 < 23 < 24 < 15 < 35 < 24 < 34 < 24 < 1,400	< 5.0 < 5.0	5 10 10 5 10 10 10 10 10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	< 0.0003 < 0.0003 < 0.0003 < 0.0003 < 0.0003 < 0.0003 < 0.0003 < 0.0003 < 0.0003	0.006 0.012 0.012 0.006 0.012 0.012 0.012 0.012 0.012 0.012	lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day
Iron - Total TSS	2,710	1,140 5.6	3,000 20	ug/L mg/L	0.07 0.32	3.61	lbs/day 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 October 11, 2022 through November 15, 2022.

Table 2 November 15, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrumer	ntation/Readings:	Current Report 11/15/2022	units	Prior Report 10/11/2022
2,, 1	Pumping Rate	7	GPM	0
	Water Level Above Transducer	167	Inches	270
	Flow Meter Reading	NW	gallons	NW
EW-2				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	183	Inches	162
	Flow Meter Reading	28,538,902	gallons	28,538,538
EW-3				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	203	Inches	174
	Flow Meter Reading	15,696,383	gallons	15,696,383
Air Strippe	er			
	Stripper Blower Pressure	33.0	inches H ₂ O	32.0
Effluent F	low			
	Total System Meter Reading	73,763,360	gallons	73,529,731
	Average System Flow Since Prior Report	6,871	gpd	
		286.3	gph	
		4.8	gpm	
	Influent o-Chlorotoluene concentration	1,400	ug/L	
	Current month mass removal	1.2	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/30/2022 12:51:11 PM

JOB DESCRIPTION

ChemTrol Site - Monthly ChemTrol Monthly Groundwater

JOB NUMBER

480-204020-1

Eurofins Buffalo 10 Hazelwood Drive Amherst NY 14228-2298



Eurofins Buffalo

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

Other Fergisau Generated 11/30/2022 12:51:11 PM

Authorized for release by Katelyn Ferguson, Project Manager I katelyn.ferguson@et.eurofinsus.com Designee for Ryan VanDette, Project Manager II Ryan.VanDette@et.eurofinsus.com (716)504-9830 Client: Waste Management Project/Site: ChemTrol Site - Monthly Laboratory Job ID: 480-204020-1

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Definitions/Glossary

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Qualifiers

Metals

Qualifier Qualifier Description

^2 Calibration Blank (ICB and/or CCB) is outside acceptance limits.

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.

Eisted 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

Eurofins Buffalo

Page 4 of 17 11/30/2022

Case Narrative

Client: Waste Management

Job ID: 480-204020-1 Project/Site: ChemTrol Site - Monthly

Job ID: 480-204020-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-204020-1

Comments

No additional comments.

Receipt

The samples were received on 11/18/2022 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 6.9° C.

GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-204020-2). 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 Rev 4.4: The continuing calibration blank (CCB 480-651489/22) contained Total Iron above the reporting limit (RL). All reported samples Effluent (480-204020-1), Influent (480-204020-2), (LCS 480-650881/2-A) and (MB 480-650881/1-A) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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 (480-204020-1) and Influent (480-204020-2).

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

Client Sample ID: Effluent

Lab Sample ID: 480-204020-1

Job ID: 480-204020-1

Analyte Iron	Result 1140	Qualifier ^2	RL 50.0	MDL Unit		ac <u>D</u>	Method 200.7 Rev 4.4	Prep Type Total
Total Suspended Solids	5.6		4.0	mg/L	-	1	SM 2540D	Recoverable Total/NA
рН	7.9	HF	0.1	SU		1	SM 4500 H+ B	Total/NA
Temperature	18.7	HF	0.001	Degi	rees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Influent Lab Sample ID: 480-204020-2

Analyte o-Chlorotoluene	Result 1400	Qualifier		MDL	Unit ug/L	Dil Fac 40	D	Method 624.1	Prep Type Total/NA
Iron	2710	^2	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: 480-204020-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Lab Sample ID: 480-204020-1 **Client Sample ID: Effluent** Date Collected: 11/17/22 11:20

Matrix: Water

Date Received: 11/18/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	MD		5.0		ug/L			11/21/22 13:30	1
1,1-Dichloroethane	ND		5.0		ug/L			11/21/22 13:30	1
1,1-Dichloroethene	ND		5.0		ug/L			11/21/22 13:30	1
Benzene	ND		5.0		ug/L			11/21/22 13:30	1
Chlorobenzene	ND		5.0		ug/L			11/21/22 13:30	1
Chloroethane	ND		5.0		ug/L			11/21/22 13:30	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/21/22 13:30	1
Toluene	ND		5.0		ug/L			11/21/22 13:30	1
Trichloroethene	ND		5.0		ug/L			11/21/22 13:30	1
o-Chlorotoluene	ND		5.0		ug/L			11/21/22 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 130					11/21/22 13:30	1
Dibromofluoromethane (Surr)	104		75 - 123					11/21/22 13:30	1
4-Bromofluorobenzene (Surr)	97		76 - 123					11/21/22 13:30	1
Toluene-d8 (Surr)	96		77 - 120					11/21/22 13:30	1

Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Iron	1140	^2	50.0		ug/L		11/22/22 14:05	11/28/22 19:04	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	5.6		4.0		mg/L			11/23/22 16:43	1
pH (SM 4500 H+ B)	7.9	HF	0.1		SU			11/29/22 14:51	1
Temperature (SM 4500 H+ B)	18.7	HF	0.001		Degrees C			11/29/22 14:51	1

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Lab Sample ID: 480-204020-2 **Client Sample ID: Influent**

Matrix: Water

Date Collected: 11/17/22 11:45 Date Received: 11/18/22 14:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			11/21/22 13:53	40
1,1-Dichloroethane	ND		24		ug/L			11/21/22 13:53	40
1,1-Dichloroethene	ND		34		ug/L			11/21/22 13:53	40
Benzene	ND		24		ug/L			11/21/22 13:53	40
Chlorobenzene	ND		19		ug/L			11/21/22 13:53	40
Chloroethane	ND		35		ug/L			11/21/22 13:53	40
cis-1,2-Dichloroethene	ND		23		ug/L			11/21/22 13:53	40
Toluene	ND		18		ug/L			11/21/22 13:53	40
Trichloroethene	ND		24		ug/L			11/21/22 13:53	40
o-Chlorotoluene	1400		13		ug/L			11/21/22 13:53	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		68 - 130					11/21/22 13:53	40
Dibromofluoromethane (Surr)	103		75 - 123					11/21/22 13:53	40
4-Bromofluorobenzene (Surr)	98		76 - 123					11/21/22 13:53	40
Toluene-d8 (Surr)	97		77 - 120					11/21/22 13:53	40
Method: EPA 200.7 Rev 4.4	- Metals (ICP)	- Total Red	coverable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	2710	^2	50.0		ug/L		11/22/22 14:05	11/28/22 19:08	1

General Chemistry									
Analyte	Result (Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			11/23/22 16:43	1
pH (SM 4500 H+ B)	7.1	HF	0.1		SU			11/29/22 15:05	1
Temperature (SM 4500 H+ B)	19.2 l	HF	0.001		Degrees C			11/29/22 15:05	1

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Trip Blank

Lab Sample ID: 480-204020-3

. Matrix: Water

Date Collected: 11/17/22 00:00 Date Received: 11/18/22 14:00

Method: 40CFR136A 624.1	- Volatile Orga	nic Compo	ounds (GC/M	S)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/21/22 14:17	1
1,1-Dichloroethane	ND		5.0		ug/L			11/21/22 14:17	1
1,1-Dichloroethene	ND		5.0		ug/L			11/21/22 14:17	1
Benzene	ND		5.0		ug/L			11/21/22 14:17	1
Chlorobenzene	ND		5.0		ug/L			11/21/22 14:17	1
Chloroethane	ND		5.0		ug/L			11/21/22 14:17	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/21/22 14:17	1
Toluene	ND		5.0		ug/L			11/21/22 14:17	1
Trichloroethene	ND		5.0		ug/L			11/21/22 14:17	1
o-Chlorotoluene	ND		5.0		ug/L			11/21/22 14:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		68 - 130					11/21/22 14:17	1
Dibromofluoromethane (Surr)	102		75 - 123					11/21/22 14:17	1
4-Bromofluorobenzene (Surr)	97		76 - 123					11/21/22 14:17	1
Toluene-d8 (Surr)	94		77 - 120					11/21/22 14:17	1

11/30/2022

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Client: Waste Management

Job ID: 480-204020-1 Project/Site: ChemTrol Site - Monthly

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

Lab Sample ID: MB 480-650788/8

Matrix: Water

Analysis Batch: 650788

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

MB MB Analyzed Result Qualifier RL **MDL** Unit D Prepared Dil Fac Analyte 1,1,1-Trichloroethane ND 5.0 ug/L 11/21/22 12:57 1,1-Dichloroethane ND 5.0 ug/L 11/21/22 12:57 ND 1,1-Dichloroethene 5.0 ug/L 11/21/22 12:57 Benzene ND 5.0 ug/L 11/21/22 12:57 Chlorobenzene ND 5.0 ug/L 11/21/22 12:57 Chloroethane ND 5.0 ug/L 11/21/22 12:57 cis-1,2-Dichloroethene ND 5.0 ug/L 11/21/22 12:57 Toluene ND 5.0 ug/L 11/21/22 12:57 Trichloroethene ND 5.0 ug/L 11/21/22 12:57 o-Chlorotoluene ND 5.0 ug/L 11/21/22 12:57

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97	68 - 130		11/21/22 12:57	1
Dibromofluoromethane (Surr)	101	75 ₋ 123		11/21/22 12:57	1
4-Bromofluorobenzene (Surr)	100	76 - 123		11/21/22 12:57	1
Toluene-d8 (Surr)	95	77 - 120		11/21/22 12:57	1

Lab Sample ID: LCS 480-650788/6

Matrix: Water

Analysis Batch: 650788

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	19.5		ug/L		98	52 - 162	
1,1-Dichloroethane	20.0	18.4		ug/L		92	59 - 155	
1,1-Dichloroethene	20.0	19.4		ug/L		97	1 - 234	
Benzene	20.0	18.6		ug/L		93	37 - 151	
Chlorobenzene	20.0	18.3		ug/L		92	37 - 160	
Chloroethane	20.0	20.5		ug/L		102	14 - 230	
Toluene	20.0	18.1		ug/L		90	47 - 150	
Trichloroethene	20.0	18.9		ug/L		95	71 - 157	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		68 - 130
Dibromofluoromethane (Surr)	100		75 - 123
4-Bromofluorobenzene (Surr)	94		76 - 123
Toluene-d8 (Surr)	97		77 - 120

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-650881/1-A

Matrix: Water

Analysis Batch: 651489

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 650881

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		11/22/22 14:05	11/28/22 18:56	1

Eurofins Buffalo

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

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

Lab Sample ID: LCS 480-650881/2-A Client Sample ID: Lab Control Sample **Prep Type: Total Recoverable**

Matrix: Water

Analysis Batch: 651489 **Prep Batch: 650881** Spike LCS LCS %Rec

Result Qualifier Added Unit %Rec Limits Analyte Iron 10000 11020 ug/L 110 85 - 115

Lab Sample ID: 480-204020-2 MS **Client Sample ID: Influent Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 651489 **Prep Batch: 650881**

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 2710 ^2 10000 70 - 130 Iron 13530 ug/L 108

Lab Sample ID: 480-204020-2 MSD **Client Sample ID: Influent Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 651489 Prep Batch: 650881 Sample Sample Spike MSD MSD %Rec **RPD**

Result Qualifier Added Result Qualifier Limits RPD Limit **Analyte** Unit %Rec Iron 2710 ^2 10000 13100 104 70 - 130 20 ug/L

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

Lab Sample ID: MB 480-651239/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 651239

MB MB Analyte Result Qualifier RL **RL Unit** Prepared Analyzed Dil Fac

Total Suspended Solids $\overline{\mathsf{ND}}$ 4.0 mg/L 11/23/22 16:43

Lab Sample ID: LCS 480-651239/2

Matrix: Water

Analysis Batch: 651239

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Suspended Solids 293 290.8 mg/L 88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-651543/1 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 651543

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits pН 7.00 7.1 SU 101 99 - 101

Eurofins Buffalo

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

QC Association Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

GC/MS VOA

Analysis Batch: 650788

Lab Sample ID 480-204020-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method 624.1	Prep Batch
480-204020-2	Influent	Total/NA	Water	624.1	
480-204020-3	Trip Blank	Total/NA	Water	624.1	
MB 480-650788/8	Method Blank	Total/NA	Water	624.1	
LCS 480-650788/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 650881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204020-1	Effluent	Total Recoverable	Water	200.7	
480-204020-2	Influent	Total Recoverable	Water	200.7	
MB 480-650881/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-650881/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
480-204020-2 MS	Influent	Total Recoverable	Water	200.7	
480-204020-2 MSD	Influent	Total Recoverable	Water	200.7	

Analysis Batch: 651489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204020-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	650881
480-204020-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	650881
MB 480-650881/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	650881
LCS 480-650881/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	650881
480-204020-2 MS	Influent	Total Recoverable	Water	200.7 Rev 4.4	650881
480-204020-2 MSD	Influent	Total Recoverable	Water	200.7 Rev 4.4	650881

General Chemistry

Analysis Batch: 651239

Lab Sample ID 480-204020-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 2540D	Prep Batch
480-204020-2	Influent	Total/NA	Water	SM 2540D	
MB 480-651239/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-651239/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 651543

Lab Sample ID 480-204020-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 4500 H+ B	Prep Batch
480-204020-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-651543/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Eurofins Buffalo

Job ID: 480-204020-1

Lab Chronicle

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Effluent

Lab Sample ID: 480-204020-1 Date Collected: 11/17/22 11:20

Matrix: Water

Date Received: 11/18/22 14:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1		1	650788	ATG	EET BUF	11/21/22 13:30
Total Recoverable	Prep	200.7			650881	VAK	EET BUF	11/22/22 14:05
Total Recoverable	Analysis	200.7 Rev 4.4		1	651489	LMH	EET BUF	11/28/22 19:04
Total/NA	Analysis	SM 2540D		1	651239	SAK	EET BUF	11/23/22 16:43
Total/NA	Analysis	SM 4500 H+ B		1	651543	KMF	EET BUF	11/29/22 14:51

Client Sample ID: Influent Lab Sample ID: 480-204020-2

Date Collected: 11/17/22 11:45 **Matrix: Water**

Date Received: 11/18/22 14:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1		40	650788	ATG	EET BUF	11/21/22 13:53
Total Recoverable	Prep	200.7			650881	VAK	EET BUF	11/22/22 14:05
Total Recoverable	Analysis	200.7 Rev 4.4		1	651489	LMH	EET BUF	11/28/22 19:08
Total/NA	Analysis	SM 2540D		1	651239	SAK	EET BUF	11/23/22 16:43
Total/NA	Analysis	SM 4500 H+ B		1	651543	KMF	EET BUF	11/29/22 15:05

Lab Sample ID: 480-204020-3 **Client Sample ID: Trip Blank**

Date Collected: 11/17/22 00:00 **Matrix: Water**

Date Received: 11/18/22 14:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	624.1		1	650788	ATG	EET BUF	11/21/22 14:17

Laboratory References:

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

Eurofins Buffalo

Accreditation/Certification Summary

Client: Waste Management Job ID: 480-204020-1

Project/Site: ChemTrol Site - Monthly

Laboratory: Eurofins Buffalo

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

Authority	Pr	ogram	Identification Number	Expiration Date
New York	NI	ELAP	10026	03-31-23
• • •	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not	offer certification.			
the agency does not a Analysis Method	offer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Water	Analyte o-Chlorotoluene	
Analysis Method				

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Method Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

Job ID: 480-204020-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	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:

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

EPA = US Environmental Protection Agency

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

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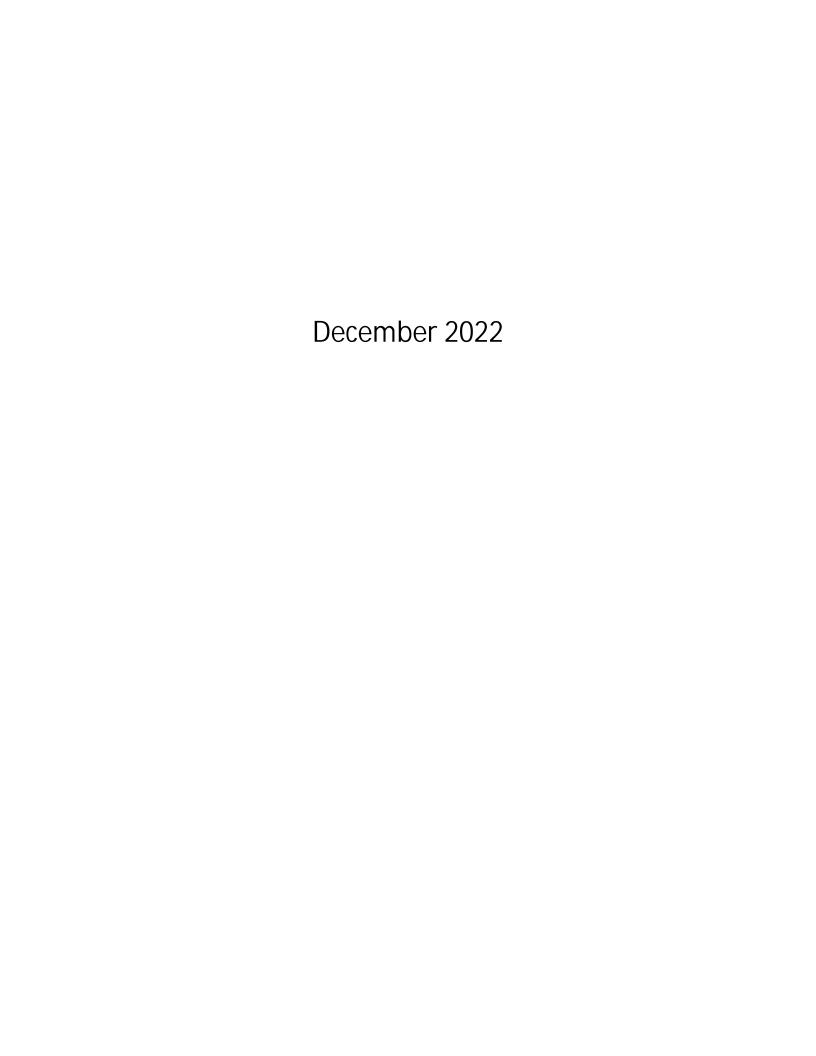
12

Sample Summary

Client: Waste Management Project/Site: ChemTrol Site - Monthly Job ID: 480-204020-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-204020-1	Effluent	Water	11/17/22 11:20	11/18/22 14:00
480-204020-2	Influent	Water	11/17/22 11:45	11/18/22 14:00
480-204020-3	Trip Blank	Water	11/17/22 00:00	11/18/22 14:00

Eurofins Buffalo					
10 Hazelwood Drive Amherst NY 14228-2298	Chain of	Chain of Custody Record	Scord		eurofins Fruitonment Tection
Phone: 716-691-2600 Fax: 716-691-7991					America
Client Information	Sampler.	Lab PN	Lab PM: VanDette Byzn T	OSH PROPERTY.	COC No:
Client Contact: Chad Moose	1	E-Mail:	Van Dotto@ot oursess	State Motion D	480-178044-28522.1 Page:
Company: Waste Management	PWSID:		Nyan van Dette Wet. euroimsus.com		Page 1 of 1 Job#:
Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:			Analysis Requested	Preservation Codes:
City: Morrisville	TAT Requested (days):				
State, Zip: PA, 19067	Compliance Project: A Yes A No				C - Zn Acetate P - Na2O4S
Phone: 215-269-2114(Tel) 215-699-8315(Fax)					R - Na2S203 S - H2S04
Email: cmoose@wm.com	WO#:		· · · (0		3id T - TSP Dodecahydrate U - Acetone V - MC A A
Project Name: Project Name: ChemTrol Monthly Groundwate 48002447	Project #: 6 48002447		N 20 S		W - pH 4-5 Y - Trizma
Site: New York	SSOW#:		D (Yes	480-204020 Chain of Custody	
	Sa		iltered Sams non Total Susj		To Tedmin
Sample Identification	Sample Date Time G=	Sesolid, O=waste/oil, D=FTissue, A=Air)	1 - 7.005 q_1.453		
	X	ation Code:			Special Instructions/Note:
Effluent	11/17/12 1120 6	€ Water	, i,		
Influent	7611	C Water	, , ,		2 -
Trip Blank)	Water	-		2.
		-			
Possible Harard Identification					
Non-Hazard Planmable Skin Irritant Poisc	Poison B	Radiological	Sample Disposal (Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	ained longer than 1 month)
			Special Instructions/QC Requirements:	QC Requirements:	vchive For Months
nquished by:	Date:	П	Time:	Method of Shipment:	
When	1 1 2 122 €	Company LCC//	Received by:	Date/Time:	Company
Palicanished &s.	Date/Time:	Company	Received by:	Date/Time:	Сотрапу
-	Date/Time:	Company	Received by	Date/Time:	X Hamos (OV)
Custody Seal Nitact: Custody Seal No∷ Δ Yes. Δ No			Cooler Temperature	Cooler Temperature(s) °C and Other Remarks:	1+1
					Ver: 06/08/2021



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.

Service by: S. Connelly Weather/Temperature: Overcast, 19 F

General

Date: <u>12/14/2022</u> Arrival Time: <u>08</u>	:30 Depart	ture Time: <u>13:30</u>
Reason for Service: <u>Inspect system</u> ,	, perform mo	onthly sampling, clean system
Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	See Notes/Explanations section.
Building Exterior	T 7	
Overhead Door	<u>X</u>	Wood lintel decaying, header exposed.
Siding	X	Metal trim missing from lintel.
Roof and Discharge Pipe	<u>X</u>	
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	

June 2021, there is no longer an iron val filter tank. Jotes/Explanations section.
val filter tank. lotes/Explanations section.
_
replaced October 21, 2022
flow meter/totalizer screen no longer oning.

X

X

Flowing

Outfall

Cleanout

Instrumentation/Readings:	
EW-1	
Pumping Rate	5.5 (estimated) GPM (see Notes section)
Water Level Above Transducer	154Inches
Flow Meter Reading	Not Working Gallons
EW-2	
Pumping Rate	OGPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>28,541,401</u> Gallons
EW-3	
Pumping Rate	GPM (see Notes section)
Water Level Above Transducer	<u>219</u> Inches
Flow Meter Reading	<u>15,696,383</u> Gallons
Air Stripper	
Stripper Blower Pressure	Inches H2O
Effluent Flow	
Total System Meter Reading	<u>73,887,507</u> 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 5.5 gpm on system totalizer flow meter. All EW's are pumping. EW-1 estimated to produce the majority of flow.

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 today, December 14, 2022.

The air stripper trays were mechanically cleaned today. The most recent prior cleaning was performed on September 15, 2022.

The monthly samples were collected today, December 14, 2022.

Table 1
December 14, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

			Con	centration			Mass Loading	
Parameters	Influ	Influent		Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow*	4,28	1	4,281	144,000	and	NA	NA	NA
рН	7.1		8.1	6.5 to 8.5	gpd standard units	NA NA	NA NA	NA NA
Toluene	<	18	< 5.0	5	ug/L	< 0.0002	0.006	lbs/day
Chlorobenzene	<	19	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
cis-1,2-Dichloroethene	< :	23	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
Benzene	<	24	< 5.0	5	ug/L	< 0.0002	0.006	lbs/day
1,1,1-Trichloroethane	<	15	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
Chloroethane	< :	35	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
1,1-Dichloroethane	< '	24	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
1,1-Dichloroethene	< :	34	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
Trichloroethene	< '	24	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
o-Chlorotoluene	1,40	0	< 5.0	10	ug/L	< 0.0002	0.012	lbs/day
Iron - Total	1,70	0	1,250	3,000	ug/L	0.04	3.61	lbs/day
TSS	< 4.0		< 4.0	20	mg/L	< 0.14		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 November 15, 2022 through December 14, 2022.

Table 2 December 14, 2022 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrumer	ntation/Readings:	Current Report 12/14/2022	units	Prior Report 11/15/2022
2,, 1	Pumping Rate	5.5	GPM	7
	Water Level Above Transducer	154	Inches	167
	Flow Meter Reading	NW	gallons	NW
EW-2				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	180	Inches	183
	Flow Meter Reading	28,541,401	gallons	28,538,902
EW-3				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	219	Inches	203
	Flow Meter Reading	15,696,383	gallons	15,696,383
Air Strippe	er			
	Stripper Blower Pressure	17.0	inches H ₂ O	33.0
Effluent F	low			
	Total System Meter Reading	73,887,507	gallons	73,763,360
	Average System Flow Since Prior Report	4,281	gpd	
		178.4	gph	
		3.0	gpm	
	Influent o-Chlorotoluene concentration	1,400	ug/L	
	Current month mass removal	0.7	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/22/2022 8:50:54 AM

JOB DESCRIPTION

ChemTrol Site - Monthly ChemTrol Monthly Groundwater

JOB NUMBER

480-204792-1

Eurofins Buffalo 10 Hazelwood Drive Amherst NY 14228-2298



Eurofins Buffalo

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

Generated 12/22/2022 8:50:54 AM

Authorized for release by Ryan VanDette, Project Manager II Ryan.VanDette@et.eurofinsus.com (716)504-9830 Client: Waste Management Project/Site: ChemTrol Site - Monthly Laboratory Job ID: 480-204792-1

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12

Definitions/Glossary

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Qualifiers

General Chemistry

Qualifier **Qualifier Description**

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

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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

Estimated Detection Limit (Dioxin) EDL LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

Decision Level 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 **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) Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: Waste Management

Job ID: 480-204792-1 Project/Site: ChemTrol Site - Monthly

Job ID: 480-204792-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative 480-204792-1

Comments

No additional comments.

Receipt

The samples were received on 12/15/2022 9:00 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 4.2° C.

GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-204792-2). 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.

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 (480-204792-1) and Influent (480-204792-2).

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

Client Sample ID: Effluent Lab Sample ID: 480-204792-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	1250		50.0		ug/L	1	_	200.7 Rev 4.4	Total
									Recoverable
рН	8.1	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	16.4	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent Lab Sample ID: 480-204792-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	1400		13		ug/L	40	_	624.1	Total/NA
Iron	1700		50.0		ug/L	1		200.7 Rev 4.4	Total
									Recoverable
рН	7.1	HF	0.1		SU	1		SM 4500 H+ B	Total/NA
Temperature	16.5	HF	0.001		Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-204792-3

No Detections.

2

Job ID: 480-204792-1

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F

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1:

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Effluent

Lab Sample ID: 480-204792-1

Matrix: Water

Date Collected: 12/14/22 09:00 Date Received: 12/15/22 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			12/15/22 21:00	1
1,1-Dichloroethane	ND		5.0		ug/L			12/15/22 21:00	1
1,1-Dichloroethene	ND		5.0		ug/L			12/15/22 21:00	1
Benzene	ND		5.0		ug/L			12/15/22 21:00	1
Chlorobenzene	ND		5.0		ug/L			12/15/22 21:00	1
Chloroethane	ND		5.0		ug/L			12/15/22 21:00	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			12/15/22 21:00	1
Toluene	ND		5.0		ug/L			12/15/22 21:00	1
Trichloroethene	ND		5.0		ug/L			12/15/22 21:00	1
o-Chlorotoluene	ND		5.0		ug/L			12/15/22 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					12/15/22 21:00	1
Dibromofluoromethane (Surr)	102		75 - 123					12/15/22 21:00	1
4-Bromofluorobenzene (Surr)	101		76 - 123					12/15/22 21:00	1
Toluene-d8 (Surr)	97		77 - 120					12/15/22 21:00	1
Method: EPA 200.7 Rev 4.4 - N	letals (ICP) - Tota	l Recoveral	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1250		50.0		ug/L		12/19/22 08:55	12/20/22 04:10	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	ND		4.0		mg/L			12/20/22 12:48	1
pH (SM 4500 H+ B)	8.1	HF	0.1		SU			12/17/22 15:17	1
Temperature (SM 4500 H+ B)	16.4	HF	0.001		Degrees C			12/17/22 15:17	1

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Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Influent

Lab Sample ID: 480-204792-2

Matrix: Water

Date Collected: 12	2/14/22 09:15
Date Received: 12	2/15/22 09:00

General Chemistry

pH (SM 4500 H+ B)

Total Suspended Solids (SM 2540D)

Temperature (SM 4500 H+ B)

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		15		ug/L			12/15/22 21:24	40
1,1-Dichloroethane	ND		24		ug/L			12/15/22 21:24	40
1,1-Dichloroethene	ND		34		ug/L			12/15/22 21:24	40
Benzene	ND		24		ug/L			12/15/22 21:24	40
Chlorobenzene	ND		19		ug/L			12/15/22 21:24	40
Chloroethane	ND		35		ug/L			12/15/22 21:24	40
cis-1,2-Dichloroethene	ND		23		ug/L			12/15/22 21:24	40
Toluene	ND		18		ug/L			12/15/22 21:24	40
Trichloroethene	ND		24		ug/L			12/15/22 21:24	40
o-Chlorotoluene	1400		13		ug/L			12/15/22 21:24	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					12/15/22 21:24	40
Dibromofluoromethane (Surr)	103		75 - 123					12/15/22 21:24	40
4-Bromofluorobenzene (Surr)	100		76 - 123					12/15/22 21:24	40
Toluene-d8 (Surr)	96		77 - 120					12/15/22 21:24	40
Method: EPA 200.7 Rev 4.4 - N	letals (ICP) - Tota	I Recoveral	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1700		50.0		ug/L		12/19/22 08:55	12/20/22 04:14	1

RL

4.0

0.1

0.001

RL Unit

mg/L

SU

Degrees C

Prepared

Result Qualifier

7.1 HF

16.5 HF

ND

F	irofine	Ruffala	-

2

4

6

0

9

4 4

12

13

Dil Fac

Analyzed

12/20/22 12:48

12/17/22 15:18

12/17/22 15:18

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Trip Blank

Lab Sample ID: 480-204792-3

Matrix: Water

Date Collected: 12/14/22 00:00 Date Received: 12/15/22 09:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			12/15/22 21:47	1
1,1-Dichloroethane	ND		5.0		ug/L			12/15/22 21:47	1
1,1-Dichloroethene	ND		5.0		ug/L			12/15/22 21:47	1
Benzene	ND		5.0		ug/L			12/15/22 21:47	1
Chlorobenzene	ND		5.0		ug/L			12/15/22 21:47	1
Chloroethane	ND		5.0		ug/L			12/15/22 21:47	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			12/15/22 21:47	1
Toluene	ND		5.0		ug/L			12/15/22 21:47	1
Trichloroethene	ND		5.0		ug/L			12/15/22 21:47	1
o-Chlorotoluene	ND		5.0		ug/L			12/15/22 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130			_		12/15/22 21:47	1
Dibromofluoromethane (Surr)	101		75 - 123					12/15/22 21:47	1
4-Bromofluorobenzene (Surr)	99		76 - 123					12/15/22 21:47	1
Toluene-d8 (Surr)	96		77 - 120					12/15/22 21:47	1

12/22/2022

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Job ID: 480-204792-1

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

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

Lab Sample ID: MB 480-653603/8

Matrix: Water

Analysis Batch: 653603

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			12/15/22 16:48	1
1,1-Dichloroethane	ND		5.0		ug/L			12/15/22 16:48	1
1,1-Dichloroethene	ND		5.0		ug/L			12/15/22 16:48	1
Benzene	ND		5.0		ug/L			12/15/22 16:48	1
Chlorobenzene	ND		5.0		ug/L			12/15/22 16:48	1
Chloroethane	ND		5.0		ug/L			12/15/22 16:48	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			12/15/22 16:48	1
Toluene	ND		5.0		ug/L			12/15/22 16:48	1
Trichloroethene	ND		5.0		ug/L			12/15/22 16:48	1
o-Chlorotoluene	ND		5.0		ug/L			12/15/22 16:48	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130		12/15/22 16:48	1
Dibromofluoromethane (Surr)	102		75 ₋ 123		12/15/22 16:48	1
4-Bromofluorobenzene (Surr)	101		76 - 123		12/15/22 16:48	1
Toluene-d8 (Surr)	95		77 - 120		12/15/22 16:48	1

Lab Sample ID: LCS 480-653603/6

Matrix: Water

Analysis Batch: 653603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	21.7		ug/L	_	109	52 - 162	
1,1-Dichloroethane	20.0	20.7		ug/L		103	59 - 155	
1,1-Dichloroethene	20.0	22.2		ug/L		111	1 - 234	
Benzene	20.0	20.8		ug/L		104	37 _ 151	
Chlorobenzene	20.0	19.7		ug/L		99	37 - 160	
Chloroethane	20.0	20.9		ug/L		105	14 - 230	
Toluene	20.0	19.9		ug/L		100	47 - 150	
Trichloroethene	20.0	20.6		ug/L		103	71 - 157	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		68 - 130
Dibromofluoromethane (Surr)	100		75 - 123
4-Bromofluorobenzene (Surr)	99		76 - 123
Toluene-d8 (Surr)	96		77 - 120

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-653794/1-A

Matrix: Water

Analysis Batch: 654051

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 653794

MR MR Analyte Result Qualifier MDL Unit Prepared Analyzed ND 50.0 12/19/22 08:55 12/20/22 03:28 Iron ug/L

Eurofins Buffalo

QC Sample Results

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

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

Lab Sample ID: LCS 480-653794/2-A

Matrix: Water

Analysis Batch: 654051

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

Prep Batch: 653794

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Iron 10000 10140 ug/L 101 85 - 115

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

Lab Sample ID: MB 480-654076/1 Client Sample ID: Method Blank

Matrix: Water Prep Type: Total/NA

Analysis Batch: 654076

MB MB Result Qualifier RL **RL** Unit Prepared Dil Fac D Analyzed 4.0 12/20/22 12:48 ND Total Suspended Solids mg/L

Lab Sample ID: LCS 480-654076/2 **Client Sample ID: Lab Control Sample**

Matrix: Water Prep Type: Total/NA

Analysis Batch: 654076

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Total Suspended Solids 341 325.2 mg/L 88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-654058/1 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 654058

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

Eurofins Buffalo

12/22/2022

QC Association Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

Job ID: 480-204792-1

GC/MS VOA

Analysis Batch: 653603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204792-1	Effluent	Total/NA	Water	624.1	
480-204792-2	Influent	Total/NA	Water	624.1	
480-204792-3	Trip Blank	Total/NA	Water	624.1	
MB 480-653603/8	Method Blank	Total/NA	Water	624.1	
LCS 480-653603/6	Lab Control Sample	Total/NA	Water	624.1	

Metals

Prep Batch: 653794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204792-1	Effluent	Total Recoverable	Water	200.7	
480-204792-2	Influent	Total Recoverable	Water	200.7	
MB 480-653794/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-653794/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 654051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204792-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	653794
480-204792-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	653794
MB 480-653794/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	653794
LCS 480-653794/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	653794

General Chemistry

Analysis Batch: 654058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204792-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-204792-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-654058/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 654076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-204792-1	Effluent	Total/NA	Water	SM 2540D	
480-204792-2	Influent	Total/NA	Water	SM 2540D	
MB 480-654076/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-654076/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Eurofins Buffalo

Lab Chronicle

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Client Sample ID: Effluent

Date Received: 12/15/22 09:00

Lab Sample ID: 480-204792-1 Date Collected: 12/14/22 09:00

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 12/15/22 21:00 Total/NA Analysis 624.1 653603 ATG EET BUF Total Recoverable Prep 200.7 653794 VAK **EET BUF** 12/19/22 08:55 Total Recoverable Analysis 200.7 Rev 4.4 654051 LMH EET BUF 12/20/22 04:10 Total/NA SM 2540D 12/20/22 12:48 Analysis 1 654076 SAK **EET BUF** SM 4500 H+ B 654058 KMF EET BUF 12/17/22 15:17

Client Sample ID: Influent

Analysis

Analysis

Total/NA

Total/NA

Lab Sample ID: 480-204792-2 Date Collected: 12/14/22 09:15

1

Matrix: Water

Date Received: 12/15/22 09:00 Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor **Number Analyst** or Analyzed Lab 624.1 653603 ATG 12/15/22 21:24 Total/NA Analysis 40 **EET BUF** Total Recoverable Prep 200.7 653794 VAK EET BUF 12/19/22 08:55 Total Recoverable Analysis 200.7 Rev 4.4 654051 LMH **EET BUF** 12/20/22 04:14 Total/NA SM 2540D 12/20/22 12:48 Analysis 654076 SAK EET BUF 1

Client Sample ID: Trip Blank Lab Sample ID: 480-204792-3

654058 KMF

EET BUF

12/17/22 15:18

Date Collected: 12/14/22 00:00 **Matrix: Water**

Date Received: 12/15/22 09:00

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor **Number Analyst** Lab or Analyzed 12/15/22 21:47 624.1 653603 ATG EET BUF Total/NA Analysis

Laboratory References:

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

SM 4500 H+ B

Accreditation/Certification Summary

Client: Waste Management Job ID: 480-204792-1

Project/Site: ChemTrol Site - Monthly

Laboratory: Eurofins Buffalo

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

Authority	į	Program	Identification Number	Expiration Date
New York		NELAP	10026	03-31-23
the agency does not of	fer certification.	,	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
624.1		Water	o-Chlorotoluene	
SM 4500 H+ B		Water	рН	
SM 4500 H+ B		Water	Temperature	

Method Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

Job ID: 480-204792-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	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	рН	SM	EET BUF
200.7	Preparation, Total Recoverable Metals	EPA	EET BUF

Protocol References:

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

EPA = US Environmental Protection Agency

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

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Sample Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly

Lab Sample ID Client Sample ID Collected Matrix Received 480-204792-1 Effluent Water 12/14/22 09:00 12/15/22 09:00 480-204792-2 Influent Water 12/14/22 09:15 12/15/22 09:00 480-204792-3 Trip Blank Water 12/14/22 00:00 12/15/22 09:00

Job ID: 480-204792-1

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Chain of Custody Record

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