

Second Quarter 2021 – April, May, June Operation, Maintenance, and Monitoring Report

CHEM-TROL Site NYSDEC Site No. 9-15-015 Report.hw915015.2021-08-05.2Q2021OMM

Site:

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

Submitted to:

NYSDEC Region 9 Office 270 Michigan Avenue Buffalo, NY 14203

Prepared for:

Waste Management 100 Brandywine Boulevard, Suite 300 Newtown, PA 18940

Prepared by:

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

August 5, 2021

AECOM Project No. 60652207.3



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

August 5, 2021

SUBMITTED VIA ELECTRONIC MAIL

Mr. Glenn May, PG NYSDEC Region 9 Office 270 Michigan Avenue Buffalo, NY 14203

RE: S.C. Holdings, Inc., 4818 Lake Avenue, Blasdell, New York 14219

Second Quarter 2021 Operation, Maintenance, and Monitoring Report

Chem-Trol Site, NYSDEC Site No. 9-15-015, Report.hw915015.2021-08-05.2Q2021OMM

Dear Mr. May:

Enclosed please find the Second Quarter 2021 (2Q21 – April, May, June) Operation, Maintenance, and Monitoring Report for the "Chem-Trol" project site. AECOM is submitting this quarterly monitoring report on behalf of our client, S.C. Holdings, Inc.

The enclosed report contains the following information for 2Q21:

- 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 2Q21 is as follows:

<u>April 2021</u>

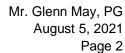
AECOM collected the monthly monitoring samples on April 26, 2021; analytical data were received on May 14, 2021. As presented on Table 1 (April 26, 2021), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

May 2021

AECOM collected the monthly monitoring samples on May 17, 2021; analytical data were received on May 28, 2021. As presented on Table 1 (May 17, 2021), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

June 2021

During the first week of June 2021, AECOM subcontractor Matrix Environmental performed planned upgrade maintenance on the treatment system which included replacing the air stripper and blower, replacing clogged effluent piping between the air stripper and the cleanout outside the treatment building, and adding a cleanout for the new effluent piping. Acid washes will no longer be necessary to clean the new air stripper trays. The trays will be removed and mechanical cleaning methods (i.e.,





pressure washing) will be utilized. Some system piping may still require an acid flush periodically to remove accumulated precipitates.

AECOM collected the monthly monitoring samples on June 16, 2021; analytical data were received on June 25, 2021. As presented on Table 1 (June 16, 2021), there were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples during this month.

On June 22, 2021, AECOM collected the 2Q21 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

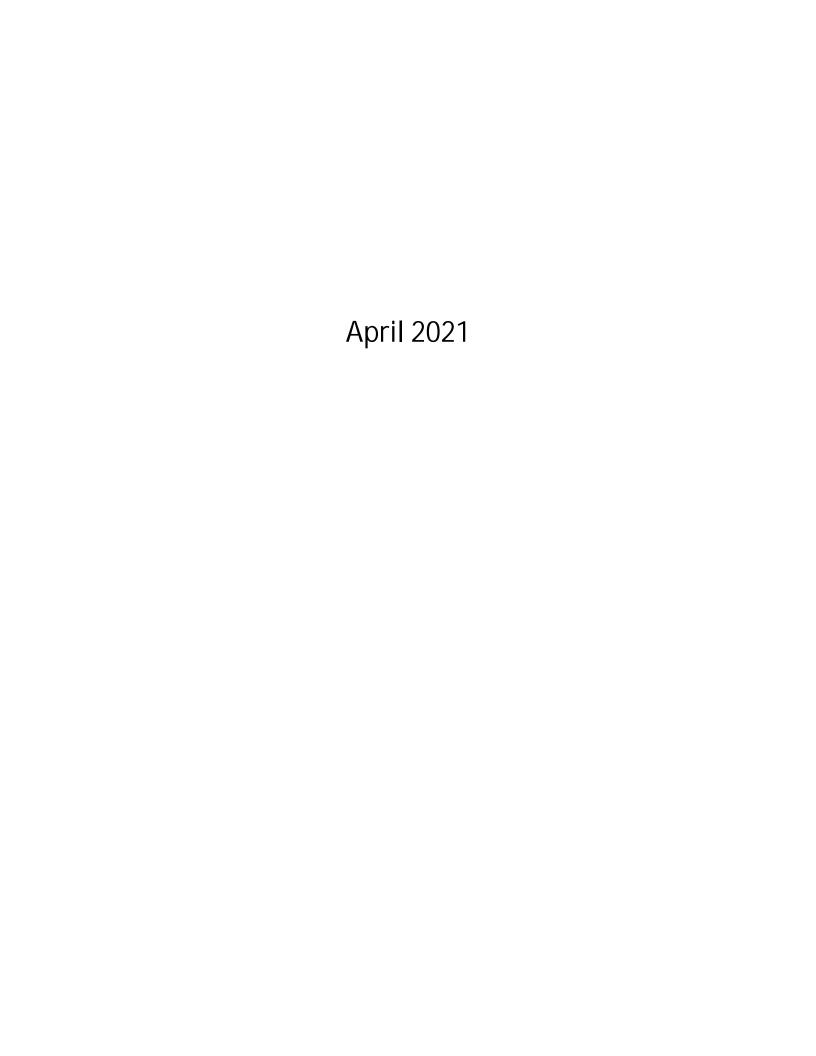
Enclosure

cc: Mr. Chad Moose (Waste Management) (electronic copy)

Ryan Donovan, (Waste Management) (electronic copy)

Mr. Brian Sadowski, NYSDEC (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.

General Service by: Sean P. Connelly Weather/Temperature: Partly cloudy, 46 F Date: <u>04/26/2021</u> Arrival Time: <u>13:30</u> Departure Time: 15:45 Reason for Service: Inspect system and perform monthly sampling **Inspection Items: Comments:** OK: X See Notes/Explanations section. Site Appearance/Condition **Building Exterior** \mathbf{X} Overhead Door Wood lintel decaying, header exposed. \mathbf{X} Siding Metal trim missing from lintel. Roof and Discharge Pipe \mathbf{X} **Building Interior** Indication of Spills or Leaks None **Building Heater** \mathbf{X} Breaker was on; however, the heater was off. X Phone System Disconnected Exhaust Fan Could not get fan to work. Fire Extinguisher X

 \mathbf{X}

First Aid & Eye Wash

Groundwater Treatment System		
Air Stripper	X	Ratchet straps are used to keep the trays together. Several of the clips for the trays are rusted/broken.
Iron Removal Filter	X	Tank in-line but filter media removed; not required.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	High level alarm on EW-1.
Groundwater Treatment Wells		
EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen was blank upon arrival.
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	System was off upon arrival and there was no discharge at outfall.
Cleanout	X	Iron removal tank was full up to the bottom of the

discharge pipe.

Instrumentation/Readings:	
EW-1	
Pumping Rate	GPM (see Notes section)
Water Level Above Transducer	<u>271</u> Inches
Flow Meter Reading	Not Working Gallons
EW-2	
Pumping Rate	OGPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>28,528,520</u> Gallons
EW-3	
Pumping Rate	OGPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>15,696,380</u> Gallons
Air Stripper	
Stripper Blower Pressure	15.5Inches H2O
Effluent Flow	
Total System Meter Reading	<u>72,076,593</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 off upon arrival. The thermal alarm inside the blower control box was reset allowing the system to be restarted and the wells to begin pumping again. The high-level alarm for EW-1 cleared once the wells began pumping again. The system ran for approximately one hour to let water circulate before samples were collected at the outfall and influent port. The totalizer reading was recorded when sampling occurred.

Total system flow was timed at 3.5 gpm on the system totalizer flow meter. During the visit, EW-1, 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-1, EW-2 and EW-3.

The EW-1 flow meter/totalizer screen is blank and no longer functioning correctly.

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

The AS building overhead door flashing needs replacement.

Trimmed back the vegetation around the gate leading to the outfall. It is no longer overgrown by vegetation.

The most recent round of water levels (1Q2021) were collected on 3/25/21.

The most recent acid wash was performed on 3/25/21 by AECOM.

The monthly samples were collected today, 4/26/21 by AECOM.

Table 1
April 26, 2021 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

		Concentration						Mass Loading			
Parameters	Influent		Ef	Effluent Discl		Units	Effluent	Discharge Limitations	Units		
Flow*	2,9	06		2,906	144,000	gpd	NA	NA	NA		
рН	7.			7.5	6.5 to 8.5	standard units	NA	NA	NA		
Toluene	<	5	<	5.0	5	ug/L	< 0.0001	0.006	lbs/day		
Chlorobenzene	<	5	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
cis-1,2-Dichloroethene	<	5	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
Benzene	<	5	<	5.0	5	ug/L	< 0.0001	0.006	lbs/day		
1,1,1-Trichloroethane	<	5	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
Chloroethane		11	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
1,1-Dichloroethane		8.9	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
1,1-Dichloroethene	<	5	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
Trichloroethene	<	5	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
o-Chlorotoluene	8	90	<	5.0	10	ug/L	< 0.0001	0.012	lbs/day		
Iron - Total	1,9	10	2	,530	3,000	ug/L	0.06	3.61	lbs/day		
TSS	< 4		<	4	20	mg/L	< 0.10		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 March 25, 2021 through April 26, 2021.

Table 2 April 26, 2021 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrume	ntation/Readings:	Current Report 4/26/2021	units	Prior Report 3/25/2021
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	271	Inches	267
	Flow Meter Reading	NW	gallons	8,444,688
EW-2				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	183	Inches	171
	Flow Meter Reading	28,528,520	gallons	28,528,520
EW-3				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	208	Inches	192
	Flow Meter Reading	15,696,380	gallons	15,696,380
Air Stripp	er			
	Stripper Blower Pressure	15.5	inches H ₂ O	17.5
Effluent F	llow			
	Total System Meter Reading	72,076,593	gallons	71,986,517
	Average System Flow Since Prior Report	2,906	gpd	
		121.1	gph	
		2.0	gpm	
	Influent o-Chlorotoluene concentration	890	ug/L	
	Current month mass removal	0.3	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-183860-1

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

For:

Waste Management 600 New Ludlow Road South Hadley, Massachusetts 01075

Attn: Ryan Donovan



Authorized for release by: 5/14/2021 4:35:37 PM
Joshua Velez, Project Management Assistant I joshua.velez@eurofinset.com

Designee for

Orlette Johnson, Senior Project Manager (484)685-0864

Orlette.Johnson@Eurofinset.com

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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.

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Client: Waste Management Project/Site: ChemTrol Site: Monthly GW Laboratory Job ID: 480-183860-1

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Definitions/Glossary

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Qualifiers

General Chemistry

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

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

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1.

Case Narrative

Client: Waste Management

Project/Site: ChemTrol Site: Monthly GW

Job ID: 480-183860-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-183860-1

Comments

No additional comments.

Receipt

The samples were received on 4/27/2021 11:17 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 3.1° C.

GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-183860-2). 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 Total Iron result reported for the following sample did not concur with results previously reported for this site: Influent (480-183860-2). Reanalysis was performed, and the result confirmed.

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 (480-183860-1) and Influent (480-183860-2).

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

VOA Prep

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

Job ID: 480-183860-1

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Detection Summary

Client: Waste Management

Project/Site: ChemTrol Site: Monthly GW

Lab Sample ID: 480-183860-1

Lab Sample ID: 480-183860-2

Lab Sample ID: 480-183860-3

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
Iron	2530	50.0	ug/L		200.7 Rev 4.4	Total
						Recoverable
рН	7.5 HF	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	18.9 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Influent

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D	Method	Prep Type
1,1-Dichloroethane	8.9	5.0	ug/L		624.1	Total/NA
Chloroethane	11	5.0	ug/L	2	624.1	Total/NA
o-Chlorotoluene	890	5.0	ug/L	2	624.1	Total/NA
Iron	1910	50.0	ug/L	1	200.7 Rev 4.4	Total
						Recoverable
рН	7.2 HF	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	18.9 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

No Detections.

Job ID: 480-183860-1

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Client Sample Results

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Date Received: 04/27/21 11:17

Lab Sample ID: 480-183860-1 **Client Sample ID: Effluent** Date Collected: 04/26/21 15:00

Matrix: Water

Method: 624.1 - Volatile Or	ganic Compou	nds (GC/N	IS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/03/21 12:13	1
1,1-Dichloroethane	ND		5.0		ug/L			05/03/21 12:13	1
1,1-Dichloroethene	ND		5.0		ug/L			05/03/21 12:13	1
Benzene	ND		5.0		ug/L			05/03/21 12:13	1
Chlorobenzene	ND		5.0		ug/L			05/03/21 12:13	1
Chloroethane	ND		5.0		ug/L			05/03/21 12:13	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/03/21 12:13	1
Toluene	ND		5.0		ug/L			05/03/21 12:13	1
Trichloroethene	ND		5.0		ug/L			05/03/21 12:13	1
o-Chlorotoluene	ND		5.0		ug/L			05/03/21 12:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		60 - 140					05/03/21 12:13	1
4-Bromofluorobenzene	97		60 - 140					05/03/21 12:13	1
Toluene-d8 (Surr)	91		60 - 140					05/03/21 12:13	1
Dibromofluoromethane (Surr)	101		60 - 140					05/03/21 12:13	

Method: 200.7 Rev 4.4 - Metals	(ICP) - Total Recovera	able					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Iron	2530	50.0	ua/L		05/04/21 09:13	05/05/21 16:12	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			04/29/21 14:47	1
pH	7.5	HF	0.1		SU			05/10/21 18:55	1
Temperature	18.9	HF	0.001		Degrees C			05/10/21 18:55	1

5/14/2021

Client Sample Results

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Lab Sample ID: 480-183860-2 **Client Sample ID: Influent**

Date Collected: 04/26/21 15:30 **Matrix: Water** Date Received: 04/27/21 11:17

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/04/21 00:54	2
1,1-Dichloroethane	8.9		5.0		ug/L			05/04/21 00:54	2
1,1-Dichloroethene	ND		5.0		ug/L			05/04/21 00:54	2
Benzene	ND		5.0		ug/L			05/04/21 00:54	2
Chlorobenzene	ND		5.0		ug/L			05/04/21 00:54	2
Chloroethane	11		5.0		ug/L			05/04/21 00:54	2
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/04/21 00:54	2
Toluene	ND		5.0		ug/L			05/04/21 00:54	2
Trichloroethene	ND		5.0		ug/L			05/04/21 00:54	2
o-Chlorotoluene	890		5.0		ug/L			05/04/21 00:54	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		60 - 140					05/04/21 00:54	2
4-Bromofluorobenzene	98		60 - 140					05/04/21 00:54	2
Toluene-d8 (Surr)	92		60 - 140					05/04/21 00:54	2
Dibromofluoromethane (Surr)	103		60 - 140					05/04/21 00:54	2
Method: 200.7 Rev 4.4 - Me	tals (ICP) - Tot	al Recove	rable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1910		50.0		ug/L		05/04/21 09:13	05/05/21 16:34	

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			04/29/21 14:47	1
pH	7.2	HF	0.1		SU			05/10/21 18:58	1
Temperature	18.9	HE	0.001		Degrees C			05/10/21 18:58	1

Client Sample Results

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Client Sample ID: Trip Blank

Date Collected: 04/26/21 00:00 Date Received: 04/27/21 11:17 Lab Sample ID: 480-183860-3

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/03/21 11:50	1
1,1-Dichloroethane	ND		5.0		ug/L			05/03/21 11:50	1
1,1-Dichloroethene	ND		5.0		ug/L			05/03/21 11:50	1
Benzene	ND		5.0		ug/L			05/03/21 11:50	1
Chlorobenzene	ND		5.0		ug/L			05/03/21 11:50	1
Chloroethane	ND		5.0		ug/L			05/03/21 11:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/03/21 11:50	1
Toluene	ND		5.0		ug/L			05/03/21 11:50	1
Trichloroethene	ND		5.0		ug/L			05/03/21 11:50	1
o-Chlorotoluene	ND		5.0		ug/L			05/03/21 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		60 - 140					05/03/21 11:50	1
4-Bromofluorobenzene	92		60 - 140					05/03/21 11:50	1
Toluene-d8 (Surr)	87		60 - 140					05/03/21 11:50	1
Dibromofluoromethane (Surr)	100		60 - 140					05/03/21 11:50	1

5/14/2021

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Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

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

Lab Sample ID: MB 460-775387/10

Matrix: Water

Analysis Batch: 775387

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

	MB MB						
Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND ND	5.0	ug/L			05/03/21 11:04	1
1,1-Dichloroethane	ND	5.0	ug/L			05/03/21 11:04	1
1,1-Dichloroethene	ND	5.0	ug/L			05/03/21 11:04	1
Benzene	ND	5.0	ug/L			05/03/21 11:04	1
Chlorobenzene	ND	5.0	ug/L			05/03/21 11:04	1
Chloroethane	ND	5.0	ug/L			05/03/21 11:04	1
cis-1,2-Dichloroethene	ND	5.0	ug/L			05/03/21 11:04	1
Toluene	ND	5.0	ug/L			05/03/21 11:04	1
Trichloroethene	ND	5.0	ug/L			05/03/21 11:04	1
o-Chlorotoluene	ND	5.0	ug/L			05/03/21 11:04	1

MB MB

Surrogate	%Recovery	Qualifier Limi	ts	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90	60 -	140		05/03/21 11:04	1
4-Bromofluorobenzene	96	60 -	140		05/03/21 11:04	1
Toluene-d8 (Surr)	91	60 -	140		05/03/21 11:04	1
Dibromofluoromethane (Surr)	102	60 -	140		05/03/21 11:04	1

Lab Sample ID: LCS 460-775387/4

Matrix: Water

Analysis Batch: 775387

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	19.2		ug/L		96	70 - 130	
1,1-Dichloroethane	20.0	17.8		ug/L		89	70 - 130	
1,1-Dichloroethene	20.0	19.1		ug/L		96	50 - 150	
Benzene	20.0	17.9		ug/L		89	65 - 135	
Chlorobenzene	20.0	19.1		ug/L		95	65 - 135	
Chloroethane	20.0	16.6		ug/L		83	40 - 160	
Toluene	20.0	17.4		ug/L		87	70 - 130	
Trichloroethene	20.0	18.9		ug/L		95	65 - 135	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		60 - 140
4-Bromofluorobenzene	99		60 - 140
Toluene-d8 (Surr)	92		60 - 140
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: LCSD 460-775387/5

Matrix: Water

Analysis Batch: 775387

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

Spi	ke LCSD	LCSD				%Rec.		RPD
Analyte Add	ed Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1-Trichloroethane 20	0.0 19.4		ug/L		97	70 - 130	1	36
1,1-Dichloroethane	0.0 17.7		ug/L		88	70 - 130	1	40
1,1-Dichloroethene 20	0.0 19.3		ug/L		97	50 - 150	1	32
Benzene 20	0.0 17.7		ug/L		89	65 - 135	1	61
Chlorobenzene 20	0.0 19.1		ug/L		95	65 - 135	0	53
Chloroethane 20	0.0 16.9		ug/L		84	40 - 160	2	78

Eurofins TestAmerica, Buffalo

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Job ID: 480-183860-1

Client: Waste Management

Project/Site: ChemTrol Site: Monthly GW

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

Lab Sample ID: LCSD 460-775387/5

Matrix: Water

Analysis Batch: 775387

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

LCSD LCSD RPD %Rec. Spike Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Toluene 20.0 17.4 ug/L 87 70 - 130 0 41 Trichloroethene 20.0 19.6 ug/L 98 65 - 135 48

LCSD LCSD Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 60 - 140 88 4-Bromofluorobenzene 94 60 - 140 Toluene-d8 (Surr) 89 60 - 140 Dibromofluoromethane (Surr) 99 60 - 140

Lab Sample ID: MB 460-775527/10

Matrix: Water

Analysis Batch: 775527

Client Sample ID: Method Blank

Prep Type: Total/NA

7 that you button 1 1 cour							
	MB MB						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND ND	5.0	ug/L			05/03/21 23:00	1
1,1-Dichloroethane	ND	5.0	ug/L			05/03/21 23:00	1
1,1-Dichloroethene	ND	5.0	ug/L			05/03/21 23:00	1
Benzene	ND	5.0	ug/L			05/03/21 23:00	1
Chlorobenzene	ND	5.0	ug/L			05/03/21 23:00	1
Chloroethane	ND	5.0	ug/L			05/03/21 23:00	1
cis-1,2-Dichloroethene	ND	5.0	ug/L			05/03/21 23:00	1
Toluene	ND	5.0	ug/L			05/03/21 23:00	1
Trichloroethene	ND	5.0	ug/L			05/03/21 23:00	1
o-Chlorotoluene	ND	5.0	ug/L			05/03/21 23:00	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		60 - 140		05/03/21 23:00	1
4-Bromofluorobenzene	98		60 - 140		05/03/21 23:00	1
Toluene-d8 (Surr)	93		60 - 140		05/03/21 23:00	1
Dibromofluoromethane (Surr)	105		60 - 140		05/03/21 23:00	1

Lab Sample ID: LCS 460-775527/4

Matrix: Water

Analysis Batch: 775527

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

Analysis Batch. 110021	Cmileo	1.00	1.00				0/ Doo	
	Spike	_	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	21.0		ug/L		105	70 - 130	
1,1-Dichloroethane	20.0	20.0		ug/L		100	70 - 130	
1,1-Dichloroethene	20.0	22.2		ug/L		111	50 - 150	
Benzene	20.0	19.5		ug/L		98	65 - 135	
Chlorobenzene	20.0	20.2		ug/L		101	65 - 135	
Chloroethane	20.0	18.5		ug/L		93	40 - 160	
Toluene	20.0	18.8		ug/L		94	70 - 130	
Trichloroethene	20.0	21.3		ug/L		106	65 - 135	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90	60 - 140
4-Bromofluorobenzene	99	60 - 140

Eurofins TestAmerica, Buffalo

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Project/Site: ChemTrol Site: Monthly GW

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

Lab Sample ID: LCS 460-775527/4

Lab Sample ID: LCSD 460-775527/5

Matrix: Water

Analysis Batch: 775527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

LCS LCS

%Recovery Qualifier Limits Surrogate Toluene-d8 (Surr) 91 60 - 140 Dibromofluoromethane (Surr) 100 60 - 140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 775527

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1-Trichloroethane	20.0	18.5		ug/L		93	70 - 130	13	36
1,1-Dichloroethane	20.0	18.0		ug/L		90	70 - 130	10	40
1,1-Dichloroethene	20.0	20.1		ug/L		100	50 - 150	10	32
Benzene	20.0	18.1		ug/L		91	65 - 135	7	61
Chlorobenzene	20.0	19.4		ug/L		97	65 - 135	4	53
Chloroethane	20.0	17.3		ug/L		86	40 - 160	7	78
Toluene	20.0	17.6		ug/L		88	70 - 130	6	41
Trichloroethene	20.0	19.2		ug/L		96	65 - 135	10	48

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		60 - 140
4-Bromofluorobenzene	98		60 - 140
Toluene-d8 (Surr)	92		60 - 140
Dibromofluoromethane (Surr)	99		60 - 140

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-578799/1-A

Matrix: Water

Analysis Batch: 579616

MB MB

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 578799

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Iron ND 50.0 ug/L 05/04/21 09:13 05/05/21 16:05

Lab Sample ID: LCS 480-578799/2-A

Matrix: Water

Analysis Batch: 579616

2530

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 578799

%Rec.

70 - 130

94

Spike LCS LCS Added Result Qualifier Unit Limits **Analyte** D %Rec 10000 85 - 115 Iron 9423 ug/L 94

10000

Lab Sample ID: 480-183860-1 MS

Matrix: Water

Analyte

Iron

Analysis Batch: 579616

Client Sample ID: Effluent **Prep Type: Total Recoverable Prep Batch: 578799** Sample Sample Spike MS MS %Rec. Added Result Qualifier Result Qualifier Limits Unit D %Rec

ug/L

11950

Eurofins TestAmerica, Buffalo

5/14/2021

Client: Waste Management

Job ID: 480-183860-1 Project/Site: ChemTrol Site: Monthly GW

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

Lab Sample ID: 480-183860-1 MSD Client Sample ID: Effluent **Prep Type: Total Recoverable Matrix: Water**

Analysis Batch: 579616 **Prep Batch: 578799**

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit **Analyte** Iron 2530 10000 12070 ug/L 95 70 - 130 20

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

Lab Sample ID: MB 480-578605/1 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 578605 MB MB

Result Qualifier RL **RL** Unit **Prepared** Analyzed Dil Fac 4.0 Total Suspended Solids ND 04/29/21 14:47 mg/L

Lab Sample ID: LCS 480-578605/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 578605

Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit %Rec **Total Suspended Solids** 359 355.6 mg/L 99 88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-580293/1 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 580293

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

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Waste Management

Project/Site: ChemTrol Site: Monthly GW

GC/MS VOA

Analysis Batch: 775387

Lab Sample ID 480-183860-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method 624.1	Prep Batch
480-183860-3	Trip Blank	Total/NA	Water	624.1	
MB 460-775387/10	Method Blank	Total/NA	Water	624.1	
LCS 460-775387/4	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-775387/5	Lab Control Sample Dup	Total/NA	Water	624.1	

Analysis Batch: 775527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183860-2	Influent	Total/NA	Water	624.1	<u> </u>
MB 460-775527/10	Method Blank	Total/NA	Water	624.1	
LCS 460-775527/4	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-775527/5	Lab Control Sample Dup	Total/NA	Water	624.1	

Metals

Prep Batch: 578799

Lab Sample ID 480-183860-1	Client Sample ID Effluent	Prep Type Total Recoverable	Water	Method 200.7	Prep Batch
480-183860-2	Influent	Total Recoverable	Water	200.7	
MB 480-578799/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-578799/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
480-183860-1 MS	Effluent	Total Recoverable	Water	200.7	
480-183860-1 MSD	Effluent	Total Recoverable	Water	200.7	

Analysis Batch: 579616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183860-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	578799
480-183860-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	578799
MB 480-578799/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	578799
LCS 480-578799/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	578799
480-183860-1 MS	Effluent	Total Recoverable	Water	200.7 Rev 4.4	578799
480-183860-1 MSD	Effluent	Total Recoverable	Water	200.7 Rev 4.4	578799

General Chemistry

Analysis Batch: 578605

Lab Sample ID 480-183860-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 2540D	Prep Batch
480-183860-2	Influent	Total/NA	Water	SM 2540D	
MB 480-578605/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-578605/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 580293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183860-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-183860-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-580293/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Eurofins TestAmerica, Buffalo

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Job ID: 480-183860-1

Lab Chronicle

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Client Sample ID: Effluent

Lab Sample ID: 480-183860-1 Date Collected: 04/26/21 15:00

Matrix: Water

Date Received: 04/27/21 11:17

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	775387	05/03/21 12:13	СЈМ	TAL EDI
Total Recoverable	Prep	200.7			578799	05/04/21 09:13	KMP	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	579616	05/05/21 16:12	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	578605	04/29/21 14:47	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	580293	05/10/21 18:55	KEB	TAL BUF

Lab Sample ID: 480-183860-2 **Client Sample ID: Influent**

Date Collected: 04/26/21 15:30 **Matrix: Water** Date Received: 04/27/21 11:17

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1			775527	05/04/21 00:54	GXY	TAL EDI
Total Recoverable	Prep	200.7			578799	05/04/21 09:13	KMP	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	579616	05/05/21 16:34	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	578605	04/29/21 14:47	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	580293	05/10/21 18:58	KEB	TAL BUF

Client Sample ID: Trip Blank Lab Sample ID: 480-183860-3

Date Collected: 04/26/21 00:00 **Matrix: Water** Date Received: 04/27/21 11:17

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	775387	05/03/21 11:50	CJM	TAL EDI

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: Waste Management Job ID: 480-183860-1

Project/Site: ChemTrol Site: Monthly GW

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Pr	rogram	Identification Number	Expiration Date
New York	NE	ELAP	10026	04-01-22
The following analyte	s are included in this ren	ort but the laboratory is r	act cortified by the governing outbority	This list may include analytes for which
the agency does not	•	ort, but the laboratory is r	lot certified by the governing authority.	This list may include analytes for which
,	•	Matrix	Analyte	This list may include analytes for which
the agency does not	offer certification.	•		This list may include analytes for which

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-22
Pennsylvania	NELAP	68-00522	02-28-22
Rhode Island	State	LAO00132	12-30-21
USDA	US Federal Programs	P330-20-00244	11-03-23

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Method Summary

Client: Waste Management

Project/Site: ChemTrol Site: Monthly GW

Method **Method Description** Protocol Laboratory Volatile Organic Compounds (GC/MS) 40CFR136A TAL EDI 624.1 200.7 Rev 4.4 Metals (ICP) **EPA TAL BUF** SM 2540D Solids, Total Suspended (TSS) TAL BUF SM SM 4500 H+ B pН SM TAL BUF 200.7 Preparation, Total Recoverable Metals **EPA** TAL 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:

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

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Job ID: 480-183860-1

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Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset
480-183860-1	Effluent	Water	04/26/21 15:00	04/27/21 11:17	
480-183860-2	Influent	Water	04/26/21 15:30	04/27/21 11:17	
480-183860-3	Trip Blank	Water	04/26/21 00:00	04/27/21 11:17	

Job ID: 480-183860-1

Chain of Custody Record

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

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

** eurofins Environment Testing

Client Information	Sampler:	Lab PM: Cisneros Royanne	Carrier Tracking No(s): COC No: ARD-147002-28522-4	08500 4
Chent Contact:	Phone:	F.Mail:	- COO 11 - COO 1	20022.1
Mr. Dino Zack		roxanne.cisneros@testamericainc.com	Page 1 of 1	
Company: AECOM		Analysis Requested		
Address: 257 West Genesee Street Suite 400	Due Date Requested:		Preservation Codes:	Sodes:
Čity: Buffalo	TAT Requested (days):			ALEXAL IN
State, Zip: NY, 14202-2657				
Phone. 215-269-2114(Tel) 215-699-8315(Fax)	PO #: 5070005494	(0		
Email: dino.zack@aecom.com	WO#:	(ON	480-183860 Chain of Custody	of Custody
Project Name: Project Name: ChemTrol Monthly Groundwalt 48002447	Project #: 14 48002447	92. OL	ietr L-EDA	Z - omer (specify)
Site: New York	SSOW#:	754 ISD (A	of cor	
Sample Identification	Sample Cample Cample Time Carrants	Matrix (wewater) Secold Filtered Secol	otal Number	I Ising a second and a second a
	Preserva	Z A O		matter constructe.
Effluent	9 005/ 12/20/10	-		
Influent	4/24/21 1530 6	Water K / 1 3 1		
Trip Blank)	Water WK		
Possible Hazard Identification Non-Hazard — Flammable Skin Irriant — Poison R	oo B	Sample Disposal (A fee may b	be assessed if samples are retained longer than 1 month)	n 1 month)
		Special Instructions/QC Requirements:	osai Dy Lab	MOIIIIS
quished by:	Date:	Time:	Method of Shipment:	
Sant County	Date/Tyme: 4/22/21/0/11/7	Company Received by:	Date/Time:	Company Co
a cha		20	Date/Time:	Company
			5111 12/1/1/10 S	Company
Custody Seals Intact: Custody Seal No.: △ Yes △ No		Cooler Temperature(s) "C and Other Remarks	or Remarks: $+ (3)$	
				Ver; 01/16/2019

Cooler Temperature(s) °C and Other Remarks:

Received by:

Date/Time:

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Chain of Custody Record

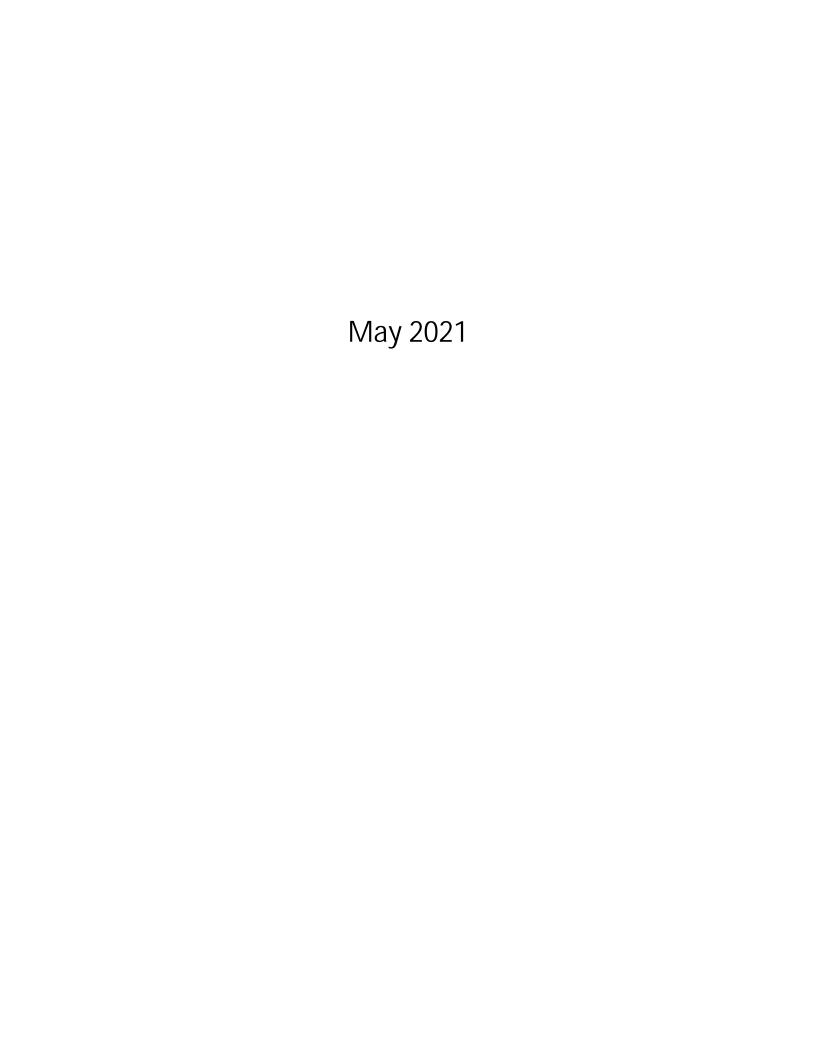
Eurofins TestAmerica, Buffalo											
10 Hazelwood Drive		hain	Chain of Custody Decord	מ אפט	1	7				eurofins 😂	Environment Teeting
Amherst, NY 14228-2298	,		leno io	S S		3					America
Phone: 716-691-2600 Fax: 716-691-7991											
Client Information (Sub Contract Lab)	Sampler:	- 11-		Lab PM: Johnso	Lab PM: Johnson, Orlette S	tte S		Carrier Tracking No(s)		COC No: 480-63171.1	
Client Contact: Shipping/Receiving	Phone:			E-Mail: Orlette	e.Johnso	E-Mail: Orlette.Johnson@Eurofinset.com		State of Origin: New York		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.					Accreditation	Accreditations Required (See note): NELAP - New York				Job #: 480-183860-1	
Address: 777 New Durham Road, ,	Due Date Requested: 5/17/2021	Ü					Analysis Requested	nested		Preservation Codes:	des:
City. Edison	TAT Requested (days):	ys):			, e					A - HCL B - NaOH	M - Hexane N - None
State, ZIp: NJ, 08817					na - 1					D - Nitric Acid E - NaHSO4	C - ASNACZ P - Na2O4S Q - Na2SO3
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:				(F - MeOH G - Amchlor H - Ascorbic Acid	R - Na2S2O3 S - H2SO4 T - TSB Dodgeshudrate
Email:	, #OM				(0)	470				I - Ice J - DI Water	U - Acetone V - MCAA
Project Name. ChemTrol Site: Monthly GW	Project #: 48002447				y so se	(gow)				K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Site: Chem Trol Site	:#WOSS				SD (Ye	day ı				Other:	
			olamos	Matrix	W/S				perc		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Type (C=comp, G=qrab)	. 3	Field Filter M mnoheq 624.1_PREC				muM IstoT	Special	Special Instructions/Note:
	\setminus	X	- m		X				×		
Effluent (480-183860-1)	4/26/21	15:00 Fastern		Water		×			8		
Influent (480-183860-2)	4/26/21	15:30 Eastern		Water	Ê	×			60		
Trip Blank (480-183860-3)	4/26/21	Eastern		Water	Ê	×			-		
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.	a places the ownership being analyzed, the sar late, return the signed	of method, ar mples must be Chain of Cust	ialyte & accredit; shipped back to ody attesting to s	ation compliand the Eurofins T	e upon our estAmerica e to Eurofi	t subcontract la a laboratory or ins TestAmeric	boratories. This sample other instructions will be a.	shipment is for provided. Any	warded under chain-of-c changes to accreditation	ustody. If the laboral status should be br	atory does not currently ought to Eurofins
Possible Hazard Identification					Samp	le Disposal	(A fee may be as	sessed if sa	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	d longer than 1	month)
Unconfirmed		-]	Return To Client	lient Di	Disposal By Lab	b Archive For	re For	Months
Deliverable Requested: I, II, IV, Other (specify)	Primary Deliverable Rank: 2	ble Rank: 2			Specia	al Instruction	Special Instructions/QC Requirements:				
linquished by:		Date:			Time:			Method of Shipment:	Shipment:		
Relinquished by: WANN 46W ((Mol)	Date/Time: 6 C	11/82	the DHI 1182	The during the state of the sta	Re	Received by:	4:1	Line alex	Date/Time 74/21	1000	Company

linquished by: dinquished by:

Custody Seal No.

Custody Seals Intact:

✓ Yes Δ No



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: Sean P. Connelly Weather/Temperature: Sunny, 63 F Date: <u>05/17/2021</u> Arrival Time: <u>09:30</u> Departure Time: 10:20 Reason for Service: Inspect system and perform monthly sampling **Comments: Inspection Items:** OK: X See Notes/Explanations section. Site Appearance/Condition **Building Exterior** \mathbf{X} Overhead Door Wood lintel decaying, header exposed. \mathbf{X} Siding Metal trim missing from lintel. Roof and Discharge Pipe \mathbf{X} **Building Interior** Indication of Spills or Leaks None **Building Heater** \mathbf{X} Breaker was on; however, the heater was off. X Phone System Disconnected Exhaust Fan Could not get fan to work. Fire Extinguisher X First Aid & Eye Wash \mathbf{X}

Groundwater Treatment System Ratchet straps are used to keep the trays together. Air Stripper \mathbf{X} Several of the clips for the trays are rusted/broken. Iron Removal Filter X Tank in-line but filter media removed; not required. Flow Meters X See Notes/Explanations section. Gauges X X Stripper Blower Offline Indication of Alarm X High level alarm on EW-1, EW-2 and EW-3. **Groundwater Treatment Wells** EW-1 Pump X \mathbf{X} EW-1 Transducer EW-1 flow meter/totalizer screen no longer EW-1 Flow Meter functioning. EW-2 Pump \mathbf{X} **EW-2** Transducer X EW-2 Flow Meter \mathbf{X} X EW-3 Pump EW-3 Transducer \mathbf{X} \mathbf{X} EW-3 Flow Meter Effluent Discharge Outfall X System was off upon arrival and there was no discharge at outfall. Restarted system and returned later in day to collect samples. Cleanout \mathbf{X} Iron removal tank was full up to the bottom of the discharge pipe.

Instrumentation/Readings:	
EW-1	
Pumping Rate	0GPM (see Notes section)
Water Level Above Transducer	<u>260</u> Inches
Flow Meter Reading	Not Working Gallons
EW-2	
Pumping Rate	0GPM (see Notes section)
Water Level Above Transducer	<u>177</u> Inches
Flow Meter Reading	<u>28,528,520</u> Gallons
EW-3	
Pumping Rate	OGPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>15,696,380</u> Gallons
Air Stripper	
Stripper Blower Pressure	15.5Inches H2O
Effluent Flow	
Total System Meter Reading	<u>72,089,841</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 off upon arrival. The thermal alarm inside the blower control box was reset allowing the system to be restarted and the wells to begin pumping again. The high-level alarm for EW-1, EW-2 and EW-3 cleared once the wells began pumping again. The system ran for about five hours to let water circulate before samples were collected at the outfall and influent port. The totalizer reading was recorded when sampling occurred.

Total system flow was timed at 3.5 gpm on system totalizer flow meter. During the visit, EW-1, 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-1, EW-2 and EW-3.

The EW-1 flow meter/totalizer screen is blank and no longer functioning correctly.

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 (1Q2021) were collected on 3/25/21.

The most recent acid wash was performed on 3/25/21 by AECOM.

The monthly samples were collected today, 5/17/21 by AECOM.

Table 1
May 17, 2021 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

	Concentration				Mass Loading		
Parameters	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow [*] pH	631 7.3	631 7.7	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	< 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5	< 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	< 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000 < 0.0000	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	1,180 < 4	875 7	3,000 20	ug/L mg/L	0.00 0.04	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 April 26, 2021 through May 17, 2021.

Table 2 May 17, 2021 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrumen	ntation/Readings:	Current Report 5/17/2021	units	Prior Report 4/26/2021
2,,, 1	Pumping Rate	0	GPM	0
	Water Level Above Transducer	260	Inches	271
	Flow Meter Reading	NW	gallons	NW
EW-2				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	177	Inches	183
	Flow Meter Reading	28,528,520	gallons	28,528,520
EW-3				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	201	Inches	208
	Flow Meter Reading	15,696,380	gallons	15,696,380
Air Strippe	er			
**	Stripper Blower Pressure	15.5	inches H ₂ O	15.5
Effluent F	low			
33	Total System Meter Reading	72,089,841	gallons	72,076,593
	Average System Flow Since Prior Report	631	gpd	
		26.3	gph	
		0.4	gpm	
	Influent o-Chlorotoluene concentration	1,200	ug/L	
	Current month mass removal	0.1	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

ANALYTICAL REPORT

America

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

Laboratory Job ID: 480-184803-1

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

For:

eurofins 🙀

Waste Management 600 New Ludlow Road South Hadley, Massachusetts 01075

Attn: Ryan Donovan



Authorized for release by: 5/28/2021 11:50:33 AM
Joshua Velez, Project Management Assistant I joshua.velez@eurofinset.com

Designee for

Orlette Johnson, Senior Project Manager (484)685-0864

Orlette.Johnson@Eurofinset.com

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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.

Client: Waste Management Project/Site: ChemTrol Site - Monthly GW Laboratory Job ID: 480-184803-1

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Definitions/Glossary

Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

Qualifiers

General Chemistry

Qualifier Description

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

Glossary

Appreviation	i nese commonly used appreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis

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

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Case Narrative

Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

Job ID: 480-184803-1

Job ID: 480-184803-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-184803-1

Comments

No additional comments.

Receipt

The samples were received on 5/18/2021 7:00 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 (480-184803-2). 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 (480-184803-1) and Influent (480-184803-2).

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

VOA Prep

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

Detection Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

Client Sample ID: Effluent

Job ID: 480-184803-1

Analyte Iron	Result Qualifier 875	RL 50.0	MDL Unit ug/L	Dil Fac D	Method 200.7 Rev 4.4	Prep Type Total
Total Suspended Solids	7.2	4.0	mg/L	1	SM 2540D	Recoverable Total/NA
pН	7.7 HF	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	21.0 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Influent

Lab Sample ID: 480-184803-2

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac I) Method	Prep Type
1,1-Dichloroethane	18	5.0	ug/L		624.1	Total/NA
Chloroethane	22	5.0	ug/L	5	624.1	Total/NA
o-Chlorotoluene	1200	5.0	ug/L	5	624.1	Total/NA
Iron	1180	50.0	ug/L	1	200.7 Rev 4.4	Total Recoverable
pH	7.3 HF	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	21.2 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-184803-3

No Detections.

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Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

Client Sample ID: Effluent

Lab Sample ID: 480-184803-1

Matrix: Water

Date Collected: 05/17/21 14:30 Date Received: 05/18/21 07:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/20/21 01:40	1
1,1-Dichloroethane	ND		5.0		ug/L			05/20/21 01:40	1
1,1-Dichloroethene	ND		5.0		ug/L			05/20/21 01:40	1
Benzene	ND		5.0		ug/L			05/20/21 01:40	1
Chlorobenzene	ND		5.0		ug/L			05/20/21 01:40	1
Chloroethane	ND		5.0		ug/L			05/20/21 01:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/20/21 01:40	1
Toluene	ND		5.0		ug/L			05/20/21 01:40	1
Trichloroethene	ND		5.0		ug/L			05/20/21 01:40	1
o-Chlorotoluene	ND		5.0		ug/L			05/20/21 01:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		60 - 140					05/20/21 01:40	1
4-Bromofluorobenzene	87		60 - 140					05/20/21 01:40	1
Toluene-d8 (Surr)	95		60 - 140					05/20/21 01:40	1
Dibromofluoromethane (Surr)	96		60 - 140					05/20/21 01:40	1
Method: 200.7 Rev 4.4 - Me	etals (ICP) - Tot	al Recove	rable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	875		50.0		ug/L		05/24/21 10:55	05/24/21 19:20	

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.2		4.0		mg/L			05/19/21 09:34	1
pH	7.7	HF	0.1		SU			05/26/21 14:02	1
Temperature	21.0	HF	0.001		Degrees C			05/26/21 14:02	1

Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

Lab Sample ID: 480-184803-2 **Client Sample ID: Influent**

Matrix: Water

Date Collected: 05/17/21 14:45 Date Received: 05/18/21 07:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/20/21 05:49	5
1,1-Dichloroethane	18		5.0		ug/L			05/20/21 05:49	5
1,1-Dichloroethene	ND		5.0		ug/L			05/20/21 05:49	5
Benzene	ND		5.0		ug/L			05/20/21 05:49	5
Chlorobenzene	ND		5.0		ug/L			05/20/21 05:49	5
Chloroethane	22		5.0		ug/L			05/20/21 05:49	5
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/20/21 05:49	5
Toluene	ND		5.0		ug/L			05/20/21 05:49	5
Trichloroethene	ND		5.0		ug/L			05/20/21 05:49	5
o-Chlorotoluene	1200		5.0		ug/L			05/20/21 05:49	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		60 - 140					05/20/21 05:49	5
4-Bromofluorobenzene	84		60 - 140					05/20/21 05:49	5
Toluene-d8 (Surr)	96		60 - 140					05/20/21 05:49	5
Dibromofluoromethane (Surr)	100		60 - 140					05/20/21 05:49	5
Method: 200.7 Rev 4.4 - Me	etals (ICP) - Tot	al Recove	rable						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1180		50.0		ug/L		05/24/21 10:55	05/24/21 19:24	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			05/19/21 09:34	1
pH	7.3	HF	0.1		SU			05/26/21 14:04	1
Temperature	21.2	HF	0.001		Degrees C			05/26/21 14:04	1

5/28/2021

Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

Client Sample ID: Trip Blank

Date Collected: 05/17/21 00:00 Date Received: 05/18/21 07:00 Lab Sample ID: 480-184803-3

Matrix: Water

Method: 624.1 - Volatile Or Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			05/19/21 22:38	1
1,1-Dichloroethane	ND		5.0		ug/L			05/19/21 22:38	1
1,1-Dichloroethene	ND		5.0		ug/L			05/19/21 22:38	1
Benzene	ND		5.0		ug/L			05/19/21 22:38	1
Chlorobenzene	ND		5.0		ug/L			05/19/21 22:38	1
Chloroethane	ND		5.0		ug/L			05/19/21 22:38	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			05/19/21 22:38	1
Toluene	ND		5.0		ug/L			05/19/21 22:38	1
Trichloroethene	ND		5.0		ug/L			05/19/21 22:38	1
o-Chlorotoluene	ND		5.0		ug/L			05/19/21 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		60 - 140					05/19/21 22:38	1
4-Bromofluorobenzene	84		60 - 140					05/19/21 22:38	1
Toluene-d8 (Surr)	97		60 - 140					05/19/21 22:38	1
Dibromofluoromethane (Surr)	99		60 - 140					05/19/21 22:38	1

5/28/2021

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Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

Job ID: 480-184803-1

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

Lab Sample ID: MB 460-778996/8

Matrix: Water

Analyte

Toluene

Trichloroethene

o-Chlorotoluene

Analysis Batch: 778996

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

MB MB Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 1,1,1-Trichloroethane ND 5.0 ug/L 05/19/21 22:15 1,1-Dichloroethane ND 5.0 ug/L 05/19/21 22:15 ND 1,1-Dichloroethene 5.0 ug/L 05/19/21 22:15 Benzene ND 5.0 ug/L 05/19/21 22:15 Chlorobenzene ND 5.0 ug/L 05/19/21 22:15 Chloroethane ND 5.0 ug/L 05/19/21 22:15 cis-1,2-Dichloroethene ND 5.0 ug/L 05/19/21 22:15 ND 5.0 ug/L 05/19/21 22:15

MB MB

ND

ND

Surrogate	%Recovery	Qualifier	Limits	Prepared A	nalyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		60 - 140	05/	19/21 22:15	1
4-Bromofluorobenzene	87		60 - 140	05/1	19/21 22:15	1
Toluene-d8 (Surr)	101		60 - 140	05/1	19/21 22:15	1
Dibromofluoromethane (Surr)	103		60 - 140	05/	19/21 22:15	1

5.0

5.0

ug/L

ug/L

Lab Sample ID: LCS 460-778996/3

Matrix: Water

Analysis Batch: 778996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

05/19/21 22:15 05/19/21 22:15

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	21.0		ug/L		105	70 - 130	
1,1-Dichloroethane	20.0	23.5		ug/L		118	70 - 130	
1,1-Dichloroethene	20.0	20.7		ug/L		103	50 - 150	
Benzene	20.0	22.5		ug/L		112	65 - 135	
Chlorobenzene	20.0	21.8		ug/L		109	65 - 135	
Chloroethane	20.0	22.3		ug/L		111	40 - 160	
Toluene	20.0	21.5		ug/L		108	70 - 130	
Trichloroethene	20.0	21.2		ug/L		106	65 - 135	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		60 - 140
4-Bromofluorobenzene	87		60 - 140
Toluene-d8 (Surr)	100		60 - 140
Dibromofluoromethane (Surr)	98		60 - 140

Lab Sample ID: LCSD 460-778996/4

Matrix: Water

Analysis Batch: 778996

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

-	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1-Trichloroethane	20.0	19.9		ug/L		99	70 - 130	6	36
1,1-Dichloroethane	20.0	22.4		ug/L		112	70 - 130	5	40
1,1-Dichloroethene	20.0	20.6		ug/L		103	50 - 150	0	32
Benzene	20.0	21.8		ug/L		109	65 - 135	3	61
Chlorobenzene	20.0	20.4		ug/L		102	65 - 135	7	53
Chloroethane	20.0	20.7		ug/L		104	40 - 160	7	78

Eurofins TestAmerica, Buffalo

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Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

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

Matrix: Water Analysis Batch: 778996

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 460-778996/4

Prep Type: Total/NA

LCSD LCSD **RPD** Spike %Rec. Added Result Qualifier Unit %Rec Limits RPD Limit 20.0 20.7 ug/L 103 70 - 130 4 41 20.0 20.6 ug/L 103 65 - 135 3 48

LCSD LCSD Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 105 60 - 140 4-Bromofluorobenzene 90 60 - 140 101 Toluene-d8 (Surr) 60 - 140Dibromofluoromethane (Surr) 100 60 - 140

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-582179/1-A

Matrix: Water

Analyte

Toluene

Trichloroethene

Analysis Batch: 582515

MB MB

Analyte Result Qualifier RL Client Sample ID: Method Blank **Prep Type: Total Recoverable Prep Batch: 582179**

Client Sample ID: Lab Control Sample

MDL Unit Prepared Analyzed Dil Fac 50.0 05/24/21 10:55 05/24/21 17:54 Iron ND ug/L

Lab Sample ID: LCS 480-582179/2-A

Matrix: Water

Analysis Batch: 582515

Prep Type: Total Recoverable Prep Batch: 582179 LCS LCS Spike %Rec.

Analyte Added Result Qualifier Unit %Rec Limits Iron 10000 9807 ug/L 85 - 115

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

Lab Sample ID: MB 480-581617/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 581617

MB MB

RL **RL** Unit Analyte Result Qualifier D Prepared Analyzed Dil Fac **Total Suspended Solids** ND 4.0 05/19/21 09:34 mg/L

Lab Sample ID: LCS 480-581617/2 **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 581617

Spike LCS LCS %Rec %Rec Analyte Added Result Qualifier Unit Limits Total Suspended Solids 303 300.4 mg/L 99 88 - 110

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-582798/1 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 582798

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

Eurofins TestAmerica, Buffalo

5/28/2021

QC Association Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

GC/MS VOA

Analysis Batch: 778996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184803-1	Effluent	Total/NA	Water	624.1	
480-184803-2	Influent	Total/NA	Water	624.1	
480-184803-3	Trip Blank	Total/NA	Water	624.1	
MB 460-778996/8	Method Blank	Total/NA	Water	624.1	
LCS 460-778996/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-778996/4	Lab Control Sample Dup	Total/NA	Water	624.1	

Metals

Prep Batch: 582179

Lab Sample ID 480-184803-1	Client Sample ID Effluent	Prep Type Total Recoverable	Matrix Water	Method 200.7	Prep Batch
480-184803-2	Influent	Total Recoverable	Water	200.7	
MB 480-582179/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-582179/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 582515

Lab Sample ID 480-184803-1	Client Sample ID Effluent	Prep Type Total Recoverable	Matrix Water	Method 200.7 Rev 4.4	Prep Batch 582179
480-184803-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	582179
MB 480-582179/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	582179
LCS 480-582179/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	582179

General Chemistry

Analysis Batch: 581617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184803-1	Effluent	Total/NA	Water	SM 2540D	<u> </u>
480-184803-2	Influent	Total/NA	Water	SM 2540D	
MB 480-581617/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-581617/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 582798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184803-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-184803-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-582798/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Job ID: 480-184803-1

Lab Chronicle

Client: Waste Management Job ID: 480-184803-1

Project/Site: ChemTrol Site - Monthly GW

Client Sample ID: Effluent

Lab Sample ID: 480-184803-1

Matrix: Water

Date Collected: 05/17/21 14:30 Date Received: 05/18/21 07:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	778996	05/20/21 01:40	AMS	TAL EDI
Total Recoverable	Prep	200.7			582179	05/24/21 10:55	KMP	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	582515	05/24/21 19:20	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	581617	05/19/21 09:34	JGO	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	582798	05/26/21 14:02	JPS	TAL BUF

Lab Sample ID: 480-184803-2

Matrix: Water

Date Collected: 05/17/21 14:45 Date Received: 05/18/21 07:00

Client Sample ID: Influent

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		5	778996	05/20/21 05:49	AMS	TAL EDI
Total Recoverable	Prep	200.7			582179	05/24/21 10:55	KMP	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	582515	05/24/21 19:24	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	581617	05/19/21 09:34	JGO	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	582798	05/26/21 14:04	JPS	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-184803-3 **Matrix: Water**

Date Collected: 05/17/21 00:00 Date Received: 05/18/21 07:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	778996	05/19/21 22:38	AMS	TAL EDI

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Buffalo

Accreditation/Certification Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Pi	rogram	Identification Number	Expiration Date
New York	NI	ELAP	10026	04-01-22
The following analyte	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	offer certification.	•	, , ,	•
the agency does not of Analysis Method	offer certification. Prep Method	Matrix	Analyte	, ,
0 ,		Matrix Water	Analyte pH	

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-22
Pennsylvania	NELAP	68-00522	02-28-22
Rhode Island	State	LAO00132	12-30-21
USDA	US Federal Programs	P330-20-00244	11-03-23

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11:

Method Summary

Client: Waste Management

Project/Site: ChemTrol Site - Monthly GW

Method **Method Description** Protocol Laboratory Volatile Organic Compounds (GC/MS) 40CFR136A TAL EDI 624.1 200.7 Rev 4.4 Metals (ICP) **EPA TAL BUF** SM 2540D Solids, Total Suspended (TSS) TAL BUF SM SM 4500 H+ B рΗ SM TAL BUF 200.7 Preparation, Total Recoverable Metals **EPA** TAL 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:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Job ID: 480-184803-1

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Sample Summary

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184803-1	Effluent	Water	05/17/21 14:30	05/18/21 07:00	
480-184803-2	Influent	Water	05/17/21 14:45	05/18/21 07:00	
480-184803-3	Trip Blank	Water	05/17/21 00:00	05/18/21 07:00	

Job ID: 480-184803-1

Date/Time:

Cooler Temperature(s) C and Other Remarks:

Received by:

Company

Date/Time:

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Chain of Custody Record

Eurotins TestAmerica, Buffalo

10 Hazelwood Drive

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

Seurofins | Environment Testing | America

	Sampler:			Lab PM					Carrier Tracking No(e)	No(e)		
Client Information				Johns	Johnson, Orlette S	te S				.(2)	480-157179-28522.	522.1
Chad Moose	Phone:			E-Mail: Orlette	E-Mail: Orlette.Johnson@Eurofinset.com	n@Euro	finset.c	u.	State of Origin:		Page:	
Company:			PWSID								Job#:	
Waste Management							Ā	Analysis Requested	quested			
Tullytown Landfill 444 Oxford Valley Road	Due Date Requested:			8							Preservation Codes	des:
City: Morrisville	TAT Requested (days):	<u></u>									A - HCL B - NaOH	M - Hexane N - None
State, Zip: PA, 19067	Compliance Project:	Δ Yes Δ	o No								C - Zn Acetate D - Nitric Acid	0 - AsNaO2 P - Na2O4S
Phone: 215-269-2114(Tel) 215-699-8315(Fax)	Po #: Purchase Order F										F - MeOH G - Amchlor	R - Na2S2O3 R - Na2S2O3 S - H2SO4
Email: cmoose@wm.com				Ci) E Se	1-7-100-		S)					T - TSP Dodecahydrate U - Acetone
Project Name: Project Name: ChemTrol Monthly Groundwate 48002447	Project #: te 48002447			1 (A)	ድ ዣ (የዝገጅ		ollog be				K-EDTA L-EDA	V - MCAA W - pH 4-5 Z - other (specify)
Site: New York	SSOW#:			ekskeni.i)elgi r						opposite	
		Sample	Sample Type (C=comp.	Matrix (Westerner, Second,	nonl - 7.	1_PREC - 62	u8 latoT - 00 Hq - +H_008				o Jedniuk II	
Sample Identification	Sample Date	18	G=grab) _B	BT=Teaus, A=Air)	300	624.	10					Special Instructions/Note:
Effluent	112/21/2	1420		Water		A	Z -					
Influent	_	1	3	\top	?	2 0	-					
Trin Blank	2/1/2	1775	3	2		1	-	+				
LID DIGITA	12/2/15	,	3	Water	3	_					lke k	
			-									
							ļ					
							-					
					1		-		180-18480	480-184803 Chain of Custody	stody	
							-		-	-		
Possible Hazard Identification					Samp	le Dispo	Sal (A	fee may be	assessed if sa	mples are ret	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	1 month)
ssted: I, II, III, IV, Other (specify)	son B Unknown		Kadiological		Specie	Return To Client	To Cller	Requirem	Disposal By Lab]	Archive For	Months
Empty Kit Delineriiched by:					2000	5 20 2	A COLIDITY	C Requirement	- 1			
		Date:			Time:				Method of Shipment:	Shipment:		
The	Date/Time:	0100		Company	\$	Received by	3	of the	\ <u>\</u>	۵	121 @0700	
>	Dates IIIte.		<u>, </u>	ompany	<u>¥</u>	Received by:				Date/Time:		Company

finquished by:

Custody Seals Intact: Custody Seal No.:

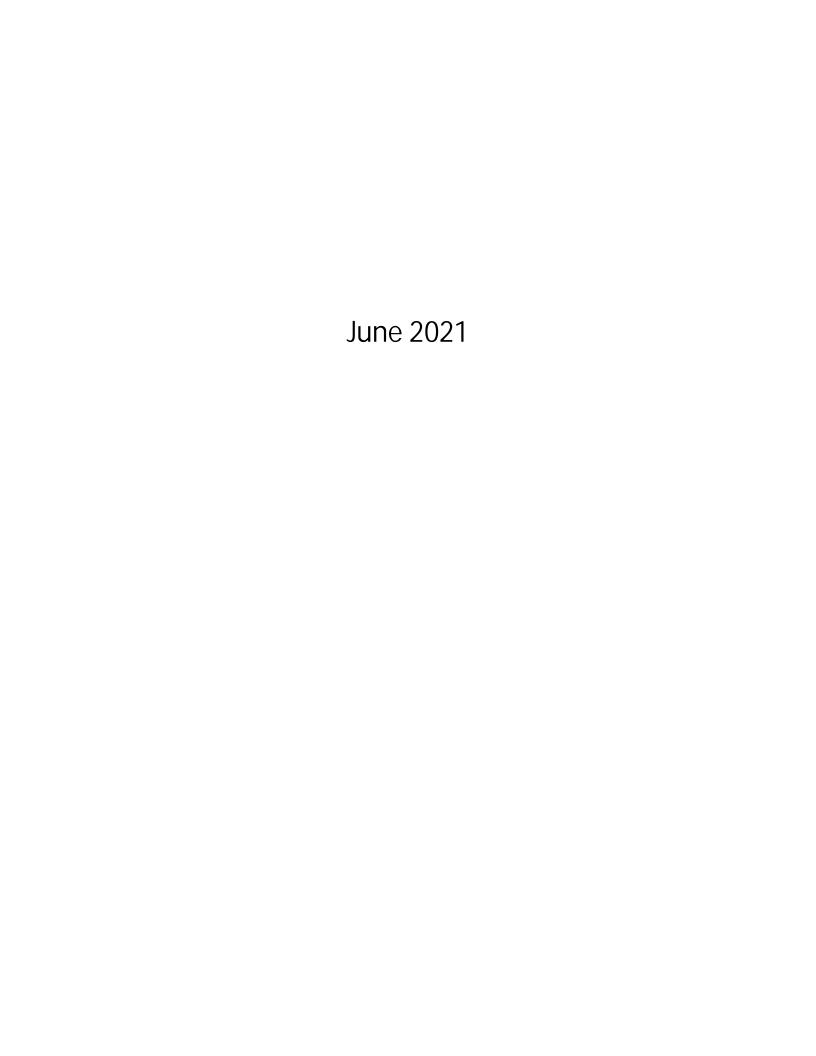
Chain of Custody Record

Eurofins TestAmerica, Buffalo

eurofins

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

Client Information (Sub Contract Lab)	Calliple.		Johnson,	Lab PM: Johnson, Orlette S	Carrier Hacking No(s).	480-63779.1	9.1
Client Contact:	Phone:		E-Mail:		State of Origin:	Page:	
olipping/heceiving			Oriette.Jo	Oriette Johnson@Euronnset.com	New York	Page 1 of 1	
Company: TestAmerica Laboratories, Inc.			NEL	Accreditations Required (See note): NELAP - New York		Job #: 480-184803-1	33-1
Address:	Due Date Requested:					Preservation Codes:	on Codes:
/// New Durnam Koad,	6/8/2021			Anaiys	Analysis Kequested	A - HCL	M - Hexane
City: Edison	IAT Requested (days):					B - NaOH C - Zn Acet	
State, Zip: NJ, 08817						D - Nitric Acid E - NaHSO4	
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO#:					F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4
1	WO #:					I - Ice	
						J - DI Water	V - MCAA W - pH 4-5
Project Name: ChemTrol Site	Project #: 48002447						Z - other (specify)
Site: Chem Trol Site	:#MOSS					of coi	
Samnle Identification . Cliant ID // ah ID)	Sample Date	Sample Type Sample (C=comp, Time G=camp,	Matrix (Wewater, Sesoid, Oewasteold,	MSM ™59e ² erform MS/M		redmuk lato	Special Instructions Moto.
	()		ation Code:				
Effluent (480-184803-1)	5/17/21	14:30 astern	Water	×		8	
Influent (480-184803-2)	5/17/21 E	14:45 Eastern	Water	×		8	
Trip Blank (480-184803-3)	5/17/21 E	Eastern	Water	×		-	
						7-374	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratory accreditations. This sample sthomant is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/fests/maritx being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.	a places the ownership of r being analyzed, the sample date, return the signed Cha	nethod, analyte & & ss must be shipped in of Custody attes	ccreditation compliance up back to the Eurofins TestA ting to said complicance to	on out subcontract laboratories. Imerica laboratory or other instruct Eurofins TestAmerica.	his sample shipment is forwarded unde ions will be provided. Any changes to a	r chain-of-custody. If the ccreditation status shou	re laboratory does not currently ald be brought to Eurofins
Possible Hazard Identification			S	ample Disposal (A fee m	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	retained longer	than 1 month)
Unconfirmed				Return To Client	Disposal By Lab	Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	Rank: 2	03	Special Instructions/QC Requirements:			
Empty Kit Relineuished by:	Date	.e:	Time:	a	Method of Shipment:		
Relinquished by WM Wow CIKe/D	Date/756 / 1817	1 (796	Company	Repeived by: (MMO	WIND VION FOUR DIPPL	u Out	Company
יצפוווילקופופת מ	Date/ IIII e.	~	Company	Kecelved by:	Date/ Lime:		Company
F	Date/Time:		Сотрапу	Received by:	Date/Time:		Сомрапу
Custody Seals Intact: Custody Seal No.: 5/3063	1513CC	12.		Cooler Temperature(s) °C and Other Remarks:	Other Remarks: $3.0^{\circ}C$	25°C	362/3/12
							Ver: 11/01/2020



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

First Aid & Eye Wash

Service by: Emily Au Weather/Temperature: Sunny, 70 F Date: <u>06/16/2021</u> Arrival Time: <u>08:45</u> Departure Time: 11:30 Inspect system and perform monthly sampling Reason for Service: **Inspection Items: Comments:** OK: X See Notes/Explanations section. Site Appearance/Condition **Building Exterior** \mathbf{X} Overhead Door Wood lintel decaying, header exposed. \mathbf{X} Siding Metal trim missing from lintel. Roof and Discharge Pipe \mathbf{X} **Building Interior** Indication of Spills or Leaks None **Building Heater** \mathbf{X} Breaker was on; however, the heater was off. X Phone System Disconnected Exhaust Fan Could not get fan to work. Fire Extinguisher X

 \mathbf{X}

Grounawaier Treatment System		
Air Stripper	X	A new air stripper was installed the first week of June 2021.
Iron Removal Filter	X	The iron removal tank was removed during the first week of June 2021 when the new air stripper was installed.
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	
Cleanout	X	During the first week of June, new effluent piping was installed between the air stripper and cleanout located outside the treatment building. Additionally, a cleanout was installed for the new

effluent piping.

Instrumentation/Readings:	
EW-1	
Pumping Rate	O GPM (see Notes section)
Water Level Above Transducer	<u>258</u> Inches
Flow Meter Reading	Not Working Gallons
EW-2	
Pumping Rate	0GPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>28,528,520</u> Gallons
EW-3	
Pumping Rate	OGPM (see Notes section)
Water Level Above Transducer	Inches
Flow Meter Reading	<u>15,696,380</u> Gallons
Air Stripper	
Stripper Blower Pressure	15.0Inches H2O
Effluent Flow	
Total System Meter Reading	<u>72,125,300</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 off upon arrival. The thermal alarm inside the blower control box was reset allowing the system to be restarted and the wells to begin pumping again. The system ran for approximately two hours to let water circulate before samples were collected at the outfall and the influent port. The totalizer reading was recorded when sampling occurred.

During the first week of June, AECOM subcontractor Matrix Environmental replaced the air stripper and blower as well as the clogged effluent piping between the air stripper and cleanout located outside the treatment building. Additionally, a cleanout was installed for the new effluent piping. The system was restarted and all wells were pumping following installation.

716 Dumpsters were onsite today to retrieve the dumpster used during the air stripper and piping upgrade work.

Total system flow was timed at 3 gpm on system totalizer flow meter. During the visit, EW-1, 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-1, EW-2 and EW-3.

The EW-1 flow meter/totalizer screen is blank and no longer functioning correctly.

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 (1Q2021) were collected on 3/25/21.

The most recent acid wash was performed on 3/25/21 by AECOM. Acid washes will no longer be necessary with the new air stripper. The trays are removable and mechanical cleaning methods will be utilized for cleaning (pressure washer)

The monthly samples were collected today, 6/12/21 by AECOM.

Table 1
June 16, 2021 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	1,223 7.2	1,223 7.8	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	< 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 21 9.5 < 5 < 5 1,200	< 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	lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day lbs/day
Iron - Total TSS	2,380	875	3,000	ug/L mg/L	0.01 < 0.04	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 May 17, 2021 through June 16, 2021.

Table 2 June 16, 2021 Summary of Influent and Effluent Data

Chem-Trol Site Town of Hamburg, New York

Instrumen	atation/Readings:	Current Report 6/16/2021	units	Prior Report 5/17/2021
2,,, 1	Pumping Rate	0	GPM	0
	Water Level Above Transducer	258	Inches	260
	Flow Meter Reading	NW	gallons	NW
EW-2				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	171	Inches	177
	Flow Meter Reading	28,528,520	gallons	28,528,520
EW-3				
	Pumping Rate	0	GPM	0
	Water Level Above Transducer	192	Inches	201
	Flow Meter Reading	15,696,380	gallons	15,696,380
Air Strippe	er			
**	Stripper Blower Pressure	15.0	inches H ₂ O	15.5
Effluent F	low			
33	Total System Meter Reading	72,125,300	gallons	72,089,841
	Average System Flow Since Prior Report	1,223	gpd	
		50.9	gph	
		0.8	gpm	
	Influent o-Chlorotoluene concentration	1,200	ug/L	
	Current month mass removal	0.2	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-186148-1

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

Authorized for release by: 6/25/2021 11:20:50 AM

Ryan VanDette, Project Manager II

(716)504-9830

Ryan.VanDette@Eurofinset.com

·····LINKS ······

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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.

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Client: Waste Management

Laboratory Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

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Method Summary	14
Sample Summary	15
Chain of Custody	16

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Definitions/Glossary

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Qualifiers

General Chemistry

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

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Case Narrative

Client: Waste Management

Job ID: 480-186148-1 Project/Site: ChemTrol Site: Monthly

Job ID: 480-186148-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-186148-1

Comments

No additional comments.

Receipt

The samples were received on 6/16/2021 12:15 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 3.3° C.

GC/MS VOA

Method 624.1: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-186148-2). 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 Total Iron results reported for the following samples do not concur with results previously reported for this site: Effluent (480-186148-1) and Influent (480-186148-2). Reanalysis was performed, and the result(s) confirmed.

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 sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute

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.

Detection Summary

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Client Sample ID: Effluent Lab Sample ID: 480-186148-1

Analyte	Result Qual	lifier RL	MDL Unit	Dil Fac	D	Method	Prep Type
Iron	343	50.0	ug/L	1	_	200.7 Rev 4.4	Total
							Recoverable
pН	7.8 HF	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	22.0 HF	0.001	Degre	es C 1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent Lab Sample ID: 480-186148-2

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac [Method	Prep Type
1,1-Dichloroethane	9.5	5.0	ug/L	5	624.1	Total/NA
Chloroethane	21	5.0	ug/L	5	624.1	Total/NA
o-Chlorotoluene	1200	5.0	ug/L	5	624.1	Total/NA
Iron	2380	50.0	ug/L	1	200.7 Rev 4.4	Total
						Recoverable
рН	7.2 HF	0.1	SU	1	SM 4500 H+ B	Total/NA
Temperature	22.1 HF	0.001	Degrees C	1	SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-186148-3

No Detections.

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6/25/2021

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Client Sample ID: Effluent

Lab Sample ID: 480-186148-1

Matrix: Water

Date Collected: 06/16/21 11:25 Date Received: 06/16/21 12:15

Total Suspended Solids

Temperature

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			06/23/21 10:05	1
1,1-Dichloroethane	ND		5.0		ug/L			06/23/21 10:05	1
1,1-Dichloroethene	ND		5.0		ug/L			06/23/21 10:05	1
Benzene	ND		5.0		ug/L			06/23/21 10:05	1
Chlorobenzene	ND		5.0		ug/L			06/23/21 10:05	1
Chloroethane	ND		5.0		ug/L			06/23/21 10:05	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			06/23/21 10:05	1
Toluene	ND		5.0		ug/L			06/23/21 10:05	1
Trichloroethene	ND		5.0		ug/L			06/23/21 10:05	1
o-Chlorotoluene	ND		5.0		ug/L			06/23/21 10:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		60 - 140					06/23/21 10:05	1
4-Bromofluorobenzene	120		60 - 140					06/23/21 10:05	1
Toluene-d8 (Surr)	102		60 - 140					06/23/21 10:05	1
Dibromofluoromethane (Surr)	125		60 - 140					06/23/21 10:05	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP) - Total Red	overable							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	343		50.0		ug/L		06/18/21 07:43	06/18/21 21:51	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

ND 7.8 HF

22.0 HF

4.0	 mg/L	 06/21/21 14:41	1
0.1	SU	06/17/21 12:51	1
0.001	Degrees C	06/17/21 12:51	1

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Client Sample ID: Influent

Lab Sample ID: 480-186148-2

Matrix: Water

Date Collected: 0	6/16/21 11:05
Date Received: 06	6/16/21 12:15

Total Suspended Solids

Temperature

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1-Trichloroethane	ND		5.0		ug/L			06/23/21 17:39	
1,1-Dichloroethane	9.5		5.0		ug/L			06/23/21 17:39	į
1,1-Dichloroethene	ND		5.0		ug/L			06/23/21 17:39	
Benzene	ND		5.0		ug/L			06/23/21 17:39	
Chlorobenzene	ND		5.0		ug/L			06/23/21 17:39	:
Chloroethane	21		5.0		ug/L			06/23/21 17:39	
cis-1,2-Dichloroethene	ND		5.0		ug/L			06/23/21 17:39	
Toluene	ND		5.0		ug/L			06/23/21 17:39	
Trichloroethene	ND		5.0		ug/L			06/23/21 17:39	
o-Chlorotoluene	1200		5.0		ug/L			06/23/21 17:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	114		60 - 140					06/23/21 17:39	
4-Bromofluorobenzene	117		60 - 140					06/23/21 17:39	
Toluene-d8 (Surr)	102		60 - 140					06/23/21 17:39	
Dibromofluoromethane (Surr)	125		60 - 140					06/23/21 17:39	
Method: 200.7 Rev 4.4 - Metal	s (ICP) - Total Red	overable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Iron	2380		50.0		ug/L		06/18/21 07:43	06/18/21 21:54	
General Chemistry									
Analyte	D14	Qualifier	RL	ы	Unit	D	Prepared	Analyzed	Dil Fa

4.0

0.1

0.001

mg/L

SU

Degrees C

ND

7.2 HF

22.1 HF

06/21/21 14:41

06/17/21 12:54

06/17/21 12:54

6/25/2021

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Client Sample ID: Trip Blank

Lab Sample ID: 480-186148-3

Matrix: Water

Date Collected: 06/16/21 11:00 Date Received: 06/16/21 12:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	MD		5.0		ug/L			06/23/21 09:40	1
1,1-Dichloroethane	ND		5.0		ug/L			06/23/21 09:40	1
1,1-Dichloroethene	ND		5.0		ug/L			06/23/21 09:40	1
Benzene	ND		5.0		ug/L			06/23/21 09:40	1
Chlorobenzene	ND		5.0		ug/L			06/23/21 09:40	1
Chloroethane	ND		5.0		ug/L			06/23/21 09:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			06/23/21 09:40	1
Toluene	ND		5.0		ug/L			06/23/21 09:40	1
Trichloroethene	ND		5.0		ug/L			06/23/21 09:40	1
o-Chlorotoluene	ND		5.0		ug/L			06/23/21 09:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		60 - 140			_		06/23/21 09:40	1
4-Bromofluorobenzene	121		60 - 140					06/23/21 09:40	1
Toluene-d8 (Surr)	102		60 - 140					06/23/21 09:40	1
Dibromofluoromethane (Surr)	122		60 - 140					06/23/21 09:40	1

6/25/2021

Job ID: 480-186148-1

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

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

Lab Sample ID: MB 460-785991/9

Matrix: Water

Analysis Batch: 785991

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			06/23/21 09:17	1
1,1-Dichloroethane	ND		5.0		ug/L			06/23/21 09:17	1
1,1-Dichloroethene	ND		5.0		ug/L			06/23/21 09:17	1
Benzene	ND		5.0		ug/L			06/23/21 09:17	1
Chlorobenzene	ND		5.0		ug/L			06/23/21 09:17	1
Chloroethane	ND		5.0		ug/L			06/23/21 09:17	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			06/23/21 09:17	1
Toluene	ND		5.0		ug/L			06/23/21 09:17	1
Trichloroethene	ND		5.0		ug/L			06/23/21 09:17	1
o-Chlorotoluene	ND		5.0		ug/L			06/23/21 09:17	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114	60 - 140		06/23/21 09:17	1
4-Bromofluorobenzene	117	60 - 140		06/23/21 09:17	1
Toluene-d8 (Surr)	100	60 - 140		06/23/21 09:17	1
Dibromofluoromethane (Surr)	124	60 - 140		06/23/21 09:17	1

Lab Sample ID: LCS 460-785991/5

Matrix: Water

Analysis Batch: 785991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS L	.cs			%Rec.	
Analyte	Added	Result Q	Qualifier Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	20.0	21.6	ug/L		108	70 - 130	
1,1-Dichloroethane	20.0	19.0	ug/L		95	70 - 130	
1,1-Dichloroethene	20.0	20.3	ug/L		101	50 - 150	
Benzene	20.0	15.9	ug/L		79	65 _ 135	
Chlorobenzene	20.0	18.2	ug/L		91	65 ₋ 135	
Chloroethane	20.0	21.0	ug/L		105	40 - 160	
Toluene	20.0	16.2	ug/L		81	70 - 130	
Trichloroethene	20.0	18.2	ug/L		91	65 - 135	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		60 - 140
4-Bromofluorobenzene	118		60 - 140
Toluene-d8 (Surr)	102		60 - 140
Dibromofluoromethane (Surr)	125		60 - 140

Lab Sample ID: LCSD 460-785991/6

Matrix: Water

Analysis Batch: 785991

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

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,1,1-Trichloroethane	20.0	20.3		ug/L		102	70 - 130	6	36
1,1-Dichloroethane	20.0	18.4		ug/L		92	70 - 130	3	40
1,1-Dichloroethene	20.0	18.9		ug/L		94	50 - 150	7	32
Benzene	20.0	15.3		ug/L		76	65 - 135	4	61
Chlorobenzene	20.0	16.9		ug/L		85	65 - 135	8	53
Chloroethane	20.0	20.6		ug/L		103	40 - 160	2	78

Eurofins TestAmerica, Buffalo

6/25/2021

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Job ID: 480-186148-1

Client: Waste Management

Project/Site: ChemTrol Site: Monthly

Lab Sample ID: LCSD 460-785991/6

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 785991

Matrix: Water

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	20.0	15.3		ug/L		76	70 - 130	6	41
Trichloroethene	20.0	17.0		ug/L		85	65 - 135	7	48

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	117		60 - 140
4-Bromofluorobenzene	118		60 - 140
Toluene-d8 (Surr)	100		60 - 140
Dibromofluoromethane (Surr)	125		60 - 140

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-585918/1-A

Matrix: Water

Analysis Batch: 586233 мв мв Client Sample ID: Method Blank **Prep Type: Total Recoverable Prep Batch: 585918**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		50.0		ug/L		06/18/21 07:43	06/18/21 21:10	1

Lab Sample ID: LCS 480-585918/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 586233 **Prep Batch: 585918**

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit Limits Iron 10000 9695 ug/L 85 - 115

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

Client Sample ID: Method Blank Lab Sample ID: MB 480-586281/1 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 586281

мв мв Analyte Result Qualifier RL **RL** Unit D Prepared Analyzed Dil Fac Total Suspended Solids 4.0 06/21/21 14:41 ND mq/L

Lab Sample ID: LCS 480-586281/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 586281

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Suspended Solids	299	284.4		mg/L		95	88 - 110	

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-585897/23 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 585897

_	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
pH	 7.00	7.1		SU	 _	101	99 - 101		_

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

GC/MS VOA

Analysis Batch: 785991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186148-1	Effluent	Total/NA	Water	624.1	
480-186148-2	Influent	Total/NA	Water	624.1	
480-186148-3	Trip Blank	Total/NA	Water	624.1	
MB 460-785991/9	Method Blank	Total/NA	Water	624.1	
LCS 460-785991/5	Lab Control Sample	Total/NA	Water	624.1	
LCSD 460-785991/6	Lab Control Sample Dup	Total/NA	Water	624.1	

Metals

Prep Batch: 585918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186148-1	Effluent	Total Recoverable	Water	200.7	
480-186148-2	Influent	Total Recoverable	Water	200.7	
MB 480-585918/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 480-585918/2-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 586233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186148-1	Effluent	Total Recoverable	Water	200.7 Rev 4.4	585918
480-186148-2	Influent	Total Recoverable	Water	200.7 Rev 4.4	585918
MB 480-585918/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	585918
LCS 480-585918/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	585918

General Chemistry

Analysis Batch: 585897

Lab Sample ID 480-186148-1	Client Sample ID Effluent	Prep Type Total/NA	Matrix Water	Method SM 4500 H+ B	Prep Batch
480-186148-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-585897/23	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 586281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186148-1	Effluent	Total/NA	Water	SM 2540D	
480-186148-2	Influent	Total/NA	Water	SM 2540D	
MB 480-586281/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-586281/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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Lab Chronicle

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Client Sample ID: Effluent

Lab Sample ID: 480-186148-1

Matrix: Water

Date Collected: 06/16/21 11:25 Date Received: 06/16/21 12:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	785991	06/23/21 10:05	CJM	TAL EDI
Total Recoverable	Prep	200.7			585918	06/18/21 07:43	KMP	TAL BUF
Total Recoverable	Analysis	200.7 Rev 4.4		1	586233	06/18/21 21:51	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	586281	06/21/21 14:41	JGO	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	585897	06/17/21 12:51	JPS	TAL BUF

Client Sample ID: Influent Lab Sample ID: 480-186148-2

Date Collected: 06/16/21 11:05

Date Received: 06/16/21 12:15

Matrix: Water

Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA 624.1 Analysis 5 785991 06/23/21 17:39 CJM TAL EDI Total Recoverable Prep 200.7 585918 06/18/21 07:43 KMP TAL BUF Total Recoverable Analysis 200.7 Rev 4.4 586233 06/18/21 21:54 LMH TAL BUF Total/NA SM 2540D 06/21/21 14:41 TAL BUF Analysis 586281 JGO 1 Total/NA Analysis SM 4500 H+ B 585897 06/17/21 12:54 **JPS** TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-186148-3

Date Collected: 06/16/21 11:00 Matrix: Water
Date Received: 06/16/21 12:15

Batch Batch Dilution Batch Prepared Method Prep Type Туре Run Factor Number or Analyzed Analyst Lab 624.1 785991 06/23/21 09:40 CJM TAL EDI Total/NA Analysis

Laboratory References:

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

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Eurofins TestAmerica, Buffalo

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Accreditation/Certification Summary

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Laboratory: Eurofins TestAmerica, 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	NE	ELAP	10026	04-01-22
,	are included in this report, but	ut the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for w
the agency does not of	ffer certification.			
the agency does not of Analysis Method	ffer certification. Prep Method	Matrix	Analyte	
9 ,		Matrix Water	Analyte pH	

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-22
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	12-31-21
Georgia	State	12028 (NJ)	07-01-21
Massachusetts	State	M-NJ312	06-30-21
New Jersey	NELAP	12028	06-30-21
New York	NELAP	11452	04-01-22
Pennsylvania	NELAP	68-00522	02-28-22
Rhode Island	State	LAO00132	12-30-21
USDA	US Federal Programs	P330-20-00244	11-03-23

Method Summary

Client: Waste Management Job ID: 480-186148-1

Project/Site: ChemTrol Site: Monthly

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL EDI
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	рН	SM	TAL BUF
200.7	Preparation, Total Recoverable Metals	EPA	TAL 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:

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

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Sample Summary

Client: Waste Management

Project/Site: ChemTrol Site: Monthly

Job ID: 480-186148-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Ass
480-186148-1	Effluent	Water	06/16/21 11:25	06/16/21 12:15	
480-186148-2	Influent	Water	06/16/21 11:05	06/16/21 12:15	
480-186148-3	Trip Blank	Water	06/16/21 11:00	06/16/21 12:15	

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	Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991							. Millerra	
	Client Information	Sampler: Child A	2	Lab PM: Johnson	Lab PM: Johnson, Orlette S	Carrier Tracking No(s)		COC No: 480-161926-28522.1	
100	Client Contact: Chad Moose	N	1-331	2 E-Mail: Orlette.J	E-Mail: Orlette.Johnson@Eurofinset.com	State of Origin		je 1 of 1	
10.7	Company: Waste Management		PWSID:	-	•	Analysis Requested	Job #:	±	
	Address: Tullytown Landfill 444 Oxford Valley Road	Due Date Requested: ST	2				Pres	ξ	
, -	City: Morrisville	TAT Requested (days):	Ď.				0 0 0	B-NaOH N-None C-Zn Acetate O-AsNaO2	
	State, Zip: PA, 19067	liance Project:	A Yes A No					D - Na204S 2 - Na2SO3	
	Phone: 215-269-2114(Tel) 215-699-8315(Fax)	Purchase Order Requested	sted	(0	17 · 18			- H2SO4 - TSP Dodecahydrate	
	Email: cmoose@wm.com	# OM		N 10 S		000		/- MCAA	
,	Project Name. ChemTrol Site/NY22 Event Desc: ChemTrol Monthly Groundwate 48002447	Project #: undwate 48002447		le (Yes		460-1867		2 - other (specify)	
	Site. New York	SSOW#:		dweS	nebeue S¢		of co	er:	
		Sample	Sample Type ple (C=comp,	Matrix (Wwater, Sasoid. Owwate/oil, ield Filtered	200.7 - Iron 24.1_PREC - 6. 54.0D - Total Su 540D - Total Su		redmuM lsto	Gaorial Instructions (Note:	
	Sample Identification	/		ation Code:	Z Z Z Q Q				
	Effluent	6/6/21 1125		Water	131				
16 c	Influent	5011 12 91/9	70	Water	1311			,	
	Trip Blank	6/16/21		Water	-				
7									
					3.1				\Box
	Possible Hazard Identification	-			Sample Disposal (A	fee may be assessed i	f samples are retained lo	onger than 1 month)	
	aut	θ.	Radiological		Return To Client To Disp	nt Disposal B)	Return To Client Disposal By Lab Archive For Mon	For Months	\Box
	Deirverable Requested: I, II, III, IV. Other (specify)	per contrac	_		Special Instructions/C				
	Empty Kit Relinquished by:	Date:		Time:	l t	Metho	Method of Shipment:		
	Relinquished by Eurof Chi	Date/Time 2	1215	Company	Received by:		Date/Time:	Company	
	Relinquished by:	Date/Time:		Company	Received by:	(Date/Time:	Company	
/25/2	Relinquished by:	Date/Time:		Company	Received by:	X	Date/Time: (C/N/) Z (Hat Company (212)	
202	Custody Seals Intact: Custody Seal No.				Cooler Temperature(s	Cooler Temperafure(s)"C and Other Remarks	2 2 # (
1							1	Ver: 11/01/2020	1

& eurofins Environment Testing America

Chain of Custody Record

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive

Ver: 11/01/2020

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Environment Testing

💸 eurofins

Chain of Custody Record

Eurofins TestAmerica, Buffalo

Amherst, NY 14228-2298

10 Hazelwood Drive

N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO3
S - H2SO4
T - TSP Dodecahydrate Note. Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica. Special Instructions/Note: Z - other (specify) U - Acetone V - MCAA W - pH 4-5 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Refum To Client Disposal By Lab Archive For Mon Special Iljstructions/QC Requirements: Preservation Codes G - Amchlor H - Ascorbic Acid COC No: 480-64644.1 480-186148-1 C - Zn Acetate D - Nitric Acid E - NaHSO4 Page: Page 1 of 1 i - Ice J - Di Water K - EDTA L - EDA 61 F - MeOH 0 Total Number of containers 6 3 -7 Date/ime: Date/Time: Date/Time: Method of Shipment: Carrier Tracking No(s) State of Origin: New York **Analysis Requested** Cooler Temperature(s) °C and Other Remarks Accreditations Required (See note): NELAP - New York E-Mail: Ryan.VanDette@Eurofinset.com Received by Lab PM: VanDette, Ryan T 624.1_PREC/624_Prep (MOD) 624 × × × Perform MS/MSD (Yes or No) me Field Filtered Sample (Yes or No) BT*TIssue, A*Air) (Wewater, Sesolid, Oewaste/oil, Preservation Code: Water Matrix Water Water Company (C=comp, G=grab) Sample Type Primary Deliverable Rank: 2 17112]0 Eastern 11:05 Eastern 11:00 Eastern Time Date: TAT Requested (days) Due Date Requested: 7/7/2021 Sample Date 6/16/21 6/16/21 6/16/21 Project #: 48002447 Date/Time: Date/Time 2 Client Information (Sub Contract Lab) Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Sample Identification - Client ID (Lab ID) Phone: 716-691-2600 Fax: 716-691-7991 732-549-3900(Tel) 732-549-3679(Fax) MAR KON Possible Hazard Identification TestAmerica Laboratories, Inc. Empty Kit Relinquished by: Trip Blank (480-186148-3) Custedy Seals Intact: 777 New Durham Road Effluent (480-186148-1) ChemTrol Site: Monthly Influent (480-186148-2) Shipping/Receiving Chem Trol Site Jnconfirmed elinquished by: linquished by: linquished by State, Zip: NJ, 08817 Edison