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March 17, 2021

Mr. Brian Sadowski
New York State Department of Environmental Conservation, Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: 02/15/20 – 02/15/21 PERIODIC REVIEW REPORT
Chem-Trol Site, Registry No. 9-15-015,
Blasdell, Erie County

Dear Mr. Sadowski:

AECOM Technical Services, Inc. (AECOM), on behalf of SC Holdings, Inc. (SC Holdings), is submitting this Periodic Review Report (PRR) along with a completed Institutional Controls and Engineering Controls (IC/EC) Certification Form (Attachment A) for the Chem-Trol site for the reporting period of February 15, 2020 to February 15, 2021¹. This report is being submitted as requested by the New York State Department of Environmental Conservation (NYSDEC) in its letter dated January 13, 2021 to Mr. Mr. Chad Moose. The letter provides guidance for preparing the PRR and IC/EC form and requires that they be submitted to NYSDEC no later than March 17, 2021.

I. INTRODUCTION

The Chem-Trol site is located at 4818 Lake Avenue, Town of Hamburg, in Erie County, New York. Chem-Trol Pollution Services (Chem-Trol) purchased the property in 1969 and operated the site as a waste chemical processing facility that included chemical recovery, storage, and neutralization. Wastes, including capacitors, pesticides, oil sludges, paint sludges, spent solvents and pickle liquors, were accepted at the facility for processing. The facility ceased operations in 1972.

As a result of historic waste processing activities, on-site soil and groundwater were impacted with heavy metals and volatile organic compounds (VOCs). In 1977, as part of the facility closure activities, Chem-Trol removed approximately 95 cubic yards of contaminated soils, placed clean soil cover and established vegetative cover over the area.

Investigative studies led to a Record of Decision (ROD) in 1996 that specified additional remedial activities. These included removal of additional soils, and construction of a soil vapor extraction (SVE) system and groundwater collection and treatment system. The SVE system includes a header

¹ Note that the February 2021 effluent monitoring sample was collected on February 23, 2021 and is reported herein as the February 2021 sample and data are included in Figure 6.

pipe and eight subsurface laterals installed in a linear array within the area of remediated soils. The groundwater collection and treatment system includes a blast-fractured bedrock trench in which three groundwater collection wells are installed, conveyance piping, and a shallow tray air stripper that removes VOCs from the collected groundwater. The treated groundwater is discharged through a pipe to the South Branch of Smokes Creek.

The SVE system and the groundwater collection and treatment system continue to operate. During 2010, McMahon & Mann Consulting Engineers, PC (MMCE) evaluated the effectiveness of passive operation of the SVE system in removing soil vapors. Subsequently, the SVE system was converted from active to passive operation in 2010. A copy of the SVE system evaluation letter report was included as Attachment B in the 2010 PRR.

II. SITE OVERVIEW

The Chem-Trol site is situated in an urban setting with industrial/commercial areas to the north and east, commercial development along Lake Avenue to the south, and residential areas to the west, across the South Branch of Smokes Creek. Figure 1 shows the Chem-Trol site location and features.

Investigations completed between 1991 and 1994 showed contaminated soils generally located in the former operations and surface lagoon areas. Additional soil contamination was found in the on-site tributary of Smokes Creek as well as the flood plain along the western edge of the site. Contaminated groundwater was found in the overburden as well as the shallow bedrock beneath the site. Groundwater contours developed as part of the investigations show that groundwater flows in a northwesterly direction beneath the site toward the South Branch of Smokes Creek.

Because of the on-site contamination, the Chem-Trol site was assigned a hazardous waste site classification of 2 by NYSDEC. This classification indicates that the site poses a significant threat to public health and/or the environment and that action in the form of further investigations and remediation is required.

NYSDEC selected a remedial design based upon the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Chem-Trol site. The March 1996 ROD selected a remedy that included:

- Excavation of soils and sediments from selected areas of the site;
- Installation of a groundwater collection trench along the western edge of the site;
- Improvement of the existing soil cover over the former chemical processing area; and,
- Installation of a SVE system within the former waste chemical processing area.

Pre-design investigations and remedial design were completed between 1997 and 2000. Construction of the ROD-required remedial components was completed between 1999 and 2001. Operation, maintenance and monitoring of the remedial components began in 2001. In December 2004, the Chem-Trol site was re-classified to a class 4 site by NYSDEC. This classification indicates that remedial actions taken at the site to eliminate significant threats to public health and the environment have been properly constructed and implemented, and long-term operation, maintenance and monitoring of the in-place remedial systems is necessary to assure remedy effectiveness.

Goals for the remedial program were established through the remediation selection process given in 6 NYCRR 375-1.10. The remediation goals established for this site include:

- Reduce and remove chemical contamination in the soils, sediments and groundwater at the site;
- Eliminate the potential for direct human or animal contact with the contaminated soils, sediments, and groundwaters at the site;
- Prevent migration of contaminants in the on-site soils into the groundwater;
- Prevent off-site migration of contaminated groundwater and mitigate the impacts of contaminated groundwater to the environment; and,
- Provide for attainment of Soil Cleanup Guidelines (SCG) for groundwater quality to the extent practical.

III. REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

SC Holdings continues to monitor the performance of the SVE and groundwater collection and treatment system.

SVE System

SC Holdings submitted a work plan to NYSDEC on October 22, 2009 proposing conversion of the active system to a passive venting system and monitoring the performance of the passive system for a year. NYSDEC authorized the conversion to a passive system along with monthly monitoring. The SVE treatment system was converted from active to passive operation in January 2010.

After a year of monitoring, SC Holdings submitted a report describing the monitoring results as indicating that passive operation of the SVE system provides similar and possibly improved effectiveness as active operation of the SVE system in venting soil vapors. Water level data in the passive vent risers indicated that passive venting might also contribute to generally lower water levels in the laterals for a longer period of time over the course of the year and therefore provide a greater opportunity to vent soil vapors.

It was recommended that active operation of the SVE system permanently cease and that passive operation of the SVE system laterals continue. In addition, it was recommended that continued monitoring of the SVE system laterals be eliminated. NYSDEC agreed with these recommendations in a letter to Mr. Mark Snyder dated May 29, 2011.

During this reporting period, the SVE system continued to operate passively. The lateral riser pipes were visually examined for damage during quarterly site visits. No damage was observed during these site visits.

Groundwater Collection and Treatment System

SC Holdings has the following actions performed by AECOM (items 1 through 6) in order to monitor the performance of the groundwater collection system as required in the ROD:

1. Perform monthly operation and maintenance tasks on the system;
2. Perform quarterly acid wash of the air stripper, including a once-per-year dismantling of the air stripper to check seals and remove mineral accumulation in air stripper trays using mechanical means (scrubbing, re-drilling holes to full diameter, etc.);
3. Sample and analyze the groundwater collection and treatment system influent and effluent on a monthly basis for a site-specific list of 10 VOCs, Total Iron, Total Suspended Solids (TSS), and pH;
4. Measure and record water levels in groundwater extraction wells and groundwater monitoring wells on a quarterly basis;
5. Prepare bedrock groundwater contours based on quarterly water level measurements collected during the year; and,
6. Obtain annual groundwater samples for VOCs from six groundwater monitoring wells.

Effluent from the groundwater collection and treatment system (air stripper) discharges into the South Branch of Smokes Creek. Monthly aqueous effluent samples taken from the air stripper surface water discharge pipe are analyzed for surface water discharge parameter limit concentrations including VOCs by EPA Method 624.1, Total Iron by EPA Method 200.7, TSS by Standard Method (SM) 2540D, and pH by SM 4500 H+ B. Analytical test results show that discharge parameter concentrations in the air stripper effluent for March 2020 through February 2021 were below the concentration and mass loading discharge limits established by NYSDEC for 10 of 12 months. O-chlorotoluene (OCT) exceeded the concentration but not the mass loading discharge limit in the June 2020 and December 2020 samples. Response actions for these events are presented in Section IV. Details for the events are as follows:

- June 2020 effluent sample – There was an OCT detection of 13 µg/L (vs. the concentration limit of 10 µg/L). Mass loading of 0.0009 pounds per day (lbs/day) was below the effluent criterion of 0.012 lbs/day. On June 16, 2020 AECOM subcontractor Matrix Environmental Technologies, Inc. (Matrix), Orchard Park, NY, performed maintenance on the system, which included addressing a problem with the discharge line. The system was sampled on July 17, 2020; analytical data were received on July 31, 2020. There were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples from the July 17, 2020 sampling event.
- December 2020 effluent sample – There was an OCT detection of 11 µg/L (vs. the concentration limit of 10 µg/L). Mass loading of 0.0004 lbs/day was below the effluent criterion of 0.012 lbs/day. On January 15, 2020 AECOM performed a flush-and-rinse acid wash of the system; but further repairs to the blower fan were required. Replacement fan parts were installed on February 5, 2021. The system was sampled on February 9, 2021; analytical data were received on February 18, 2021. There were no exceedances of the treatment or discharge requirements for any parameter in the effluent samples from the “January 2021” sample collected on February 9, 2021 sampling event.

Analytical test results for the monthly aqueous effluent samples are included in the Operation and Maintenance (O&M) reports submitted by AECOM to NYSDEC on a quarterly basis; results from the January and February 2021 samples will be submitted with the March 2021 sample data not later than April 15, 2021.

Monthly testing of the air stripper exhaust discharge (vapor phase) samples ceased after April 2011. Monthly testing was eliminated based upon a letter from Al Zylinski, NYSDEC Division of Air Resources, to MMCE (consultant to SC Holdings) dated April 6, 2011. The letter approved elimination of sampling and testing of the air stripper exhaust.

A summary of quarterly groundwater elevations measured in the groundwater monitoring wells and piezometers during 2020 is included in Table 1 - Summary of Groundwater Elevation Measurements. Quarterly groundwater elevation contours for 2020 are plotted on Figures 2 through 5. First quarter 2021 groundwater elevation data are scheduled to be collected in March 2021 and will be included in the 2021/2022 PRR.

The contours show that the three extraction wells depress water levels in the trench below natural groundwater levels in that area of the site. The resulting depression in the groundwater table creates groundwater flow toward the collection trench. The measurements demonstrate that the collection trench is functioning as designed to restrict offsite flow and limit groundwater discharge to the South Branch of Smokes Creek.

VOC analytical test results of groundwater treatment system influent samples have historically shown o-chlorotoluene levels in higher concentrations than other organic compounds. Therefore, concentrations of o-chlorotoluene detected in groundwater treatment influent samples have been used to assess the performance of the treatment system in reducing organic compound concentrations in the groundwater. The o-chlorotoluene concentration data for influent groundwater samples was plotted versus time for the January 2003 through February 2021 sampling events (see Figure 6). The plot shows that the concentration of o-chlorotoluene in the influent groundwater samples has been reduced since initiation of treatment system operation. This indicates that the treatment system is meeting the remedial goal of reducing organic compound concentrations in the groundwater.

A comparison of the influent and effluent sample analytical results shows that the air stripper is effectively removing VOCs from the groundwater collected by the treatment system.

Annual Groundwater Monitoring

Annual groundwater monitoring was conducted by AECOM field personnel on November 20, 2020. Groundwater samples were successfully collected from MW-3S, MW-7R, MW-8R, MW-9R, MW-13R, and MW-15R and analyzed by TestAmerica Laboratories, Inc. (Amherst, NY) for VOCs by EPA Method 8260C. A summary of VOC detections for the annual 2020 groundwater-monitoring event is included as Table 2, Detection Summary. The complete 2020 groundwater sample analytical

laboratory report is included as Attachment B. Historical concentration versus time trend plots for monitoring wells MW-3S, MW-8R, MW-9R, and MW-13R are included as Attachment C.

IV. O&M PLAN COMPLIANCE

SC Holdings performed the following activities as part of the O&M Plan requirements:

Soil Vapor Extraction System

AECOM performed the following activity in 2020 as part of quarterly visits to the site:

- Visually observed each SVE passive vent riser for damage.

Groundwater Collection and Treatment System

AECOM performed the following activities in 2020 and January and February 2021 as part of routine monthly O&M visits:

- Verified that each extraction well was running and performing as designed;
- Observed that each pump was operating, documented pumping rates, total gallons pumped and insured that high and low water controls are functioning as designed;
- Performed monthly influent and effluent sample analytical testing;
- Observed that the air stripper was performing as designed;
- Performed monthly inspections of air stripper trays;
- Performed acid washes quarterly or more often if necessary to promote optimum removal of VOCs; and,
- Prepared and submitted 2020 O&M reports on a quarterly basis to NYSDEC.

The quarterly O&M reports submitted to NYSDEC provide further details on specific activities performed, analytical testing results, and observations made during the routine monthly O&M visits. Routine activities include general inspection and maintenance work performed on pumps, equipment, and sensors, as described in the monthly O&M reports.

In addition, the following non-routine maintenance activities were also performed and reported in the respective quarterly O&M reports this reporting period:

- June 16, 2020 – Following the OCT exceedance in the June 2020 effluent sample, AECOM subcontractor Matrix performed maintenance on the system which included addressing flow restriction problem with the discharge line. AECOM scheduled additional action to perform a “jet cleaning” of the discharge line. Following the June 16, 2020 repairs the system was restarted.
- July 7, 2020 – AECOM performed a site visit and observed two floor-mounted pipe stands supporting the influent piping were corroded and required replacement. The system was shut down pending replacement. On July 16, 2020, AECOM subcontractor Matrix visited the site

and performed the necessary repairs to re-support the influent piping. The system was then restarted.

- August 13, 2020 – AECOM subcontractor Matrix performed a site visit to address a system outage caused by an electrical disruption. Resetting the system addressed the issue.
- October 2, 2020 – AECOM performed a site visit and observed the system was off upon arrival and no water was flowing to the outfall. The source of the system malfunction was determined to be the blower motor for the air stripper required a rebuild. The re-built motor was reinstalled on October 26, 2020
- October 26, 2020 – Installation of a Sensaphone remote monitoring system for the treatment system. The Sensaphone system automatically notifies AECOM personnel when pumps or the blower become non-operational so that a service visit can occur and minimize downtime of the system. Additional work also performed on October 26, 2020 included a hydro-pressure “jet” cleaning of the effluent discharge line from the treatment building to the outlet at Smokes Creek. This cleaning is performed on an approximately two-year cycle to remove accumulated iron fouling in the discharge line.
- December 24, 2020 – AECOM performed a site visit and observed the system was off upon arrival and no water was flowing to the outfall. The source of the system malfunction was determined to be the blower fan. Matrix visited the site that afternoon and performed repairs to the blower fan assembly and restarted the system.
- December 29, 2020 – AECOM performed a site visit and observed the system was off upon arrival and no water was flowing to the outfall. Matrix visited the site on the morning of January 4, 2021 and found that the blower fan had a thermal overload fault. The system was reset and restarted.
- January 15, 2021 - AECOM performed a site visit and observed the system was off upon arrival and no water was flowing to the outfall. The source of the system malfunction was determined to be failure of the blower fan shaft. A replacement fan was ordered, and replacement was completed on February 5, 2021.

In a letter dated June 2, 2020, NYSDEC approved the 02/15/19-02/15/20 PRR and associated IC/EC Certification.

V. CONCLUSIONS AND RECOMMENDATIONS

Groundwater Collection and Treatment

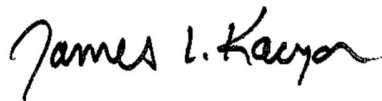
A comparison of the monthly influent vs. effluent analytical test results shows that the groundwater collection and treatment system continues to remove contaminants from groundwater at the Chem-Trol site. A plot of the influent o-chlorotoluene concentration versus time (see Figure 6) indicates that the source contributing to groundwater VOC concentrations has been reduced to where its influence on groundwater has decreased over time. A relatively gradual increase from May 2016 through February 2021 has been observed, with concentrations remaining well below earlier levels. This trend will continue to be monitored.

The quarterly groundwater elevation data show that the groundwater collection system continues to contain groundwater contaminants and creates a gradient toward the groundwater collection wells and away from the South Branch of Smokes Creek.

The HDPE air stripper has been in operation since 2001. A replacement stainless steel air stripper (QED Model EZ-12.6) has been ordered as of March 12, 2021, with an approximate lead time of 6 to 8 weeks. The new air stripper and blower assembly will be installed upon receipt. The new air stripper will have an updated design with pull out trays to facilitate more efficient acid washes of the system.

Please call the undersigned at AECOM (716-923-1300) or Mr. Chad Moose (215-269-2114) if you have any questions or require any additional information after reviewing this report.

Sincerely yours,



James L. Kaczor, P.G.
Project Manager
james.kaczor@aecom.com

Enclosures (Tables, Figures)

Attachments (IC/EC Form, 2020 Annual Groundwater Data Report, Historical Trend Plots)

cc: Chad Moose, P.G. (SC Holdings, Inc.), electronic copy w/attachments
Ryan Donovan (SC Holdings, Inc.), electronic copy w/attachments
Daniel Servetas, P.E. (AECOM), electronic copy w/attachments
60652207 Project File

TABLES

Table 1: Summary of Groundwater Elevations – 2020

Table 2: Groundwater Sample Detection Summary – 2020

Table 1
Chem-Trol Site, Blasdell, NY
Summary of Groundwater Elevation Measurements 2020

Pumping Wells		1Q Date		2Q Date		3Q Date		4Q Date	
		3/13/2020		6/2/2020		9/17/2020		1/4/2021	
Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
EW-1	624.07	15.58	608.49	14.69	609.38	15.80	608.27	15.37	608.70
EW-2	622.16	14.80	607.36	14.07	608.09	13.20	608.96	14.82	607.34
EW-3	621.10	15.21	605.89	14.16	606.94	15.32	605.78	14.96	606.14

East of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
MW-6S	638.54	6.44	632.10	6.87	631.67	12.89	625.65	7.08	631.46
MW-6R	638.64	17.27	621.37	17.02	621.62	19.41	619.23	16.89	621.75
P-1S	642.80	4.32	638.48	4.94	637.86	9.72	633.08	4.25	638.55
MW-1R	645.36	6.10	639.26	6.81	638.55	11.45	633.91	6.55	638.81
MW-1S	645.40	4.51	640.89	5.14	640.26	11.39	634.01	4.58	640.82
MW-7S	642.85	3.49	639.36	4.24	638.61	>11.25	<631.60	3.72	639.13
MW-7R	642.28	5.30	636.98	4.86	637.42	9.34	632.94	4.77	637.51

Center of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
P-5S	637.54	7.50	630.04	9.83	627.71	>11.25	<624.09	7.75	629.79
P-5R	637.88	18.54	619.34	18.97	618.91	>20.09	<617.79	18.62	619.26
MW-5S	636.28	10.24	626.04	10.70	625.58	13.95	622.33	10.25	626.03
P-2R	646.96	6.62	640.34	9.32	637.64	13.97	632.99	5.68	641.28
P-2S	646.44	7.45	638.99	8.05	638.39	12.61	633.83	7.83	638.61
MW-2S	644.85	5.38	639.47	6.02	638.83	10.95	633.90	5.57	639.28

West of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
MW-4S	637.18	12.45	624.73	13.19	623.99	>15.37	<621.81	12.37	624.81
MW-4R	637.02	25.97	611.05	26.95	610.07	28.94	608.08	25.92	611.10
P-4S	636.54	14.32	622.22	15.04	621.50	>15.93	<620.61	14.38	622.16
MW-3S	637.64	16.31	621.33	16.33	621.31	18.68	618.96	16.25	621.39
P-3R	639.92	20.37	619.55	19.63	620.29	19.64	620.28	18.96	620.96
P-3S	639.46	18.45	621.01	18.33	621.13	19.90	619.56	18.37	621.09
OW-3R	638.78	23.43	615.35	23.25	615.53	24.24	614.54	22.09	616.69

West of Trench (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
OW-1FR	620.42	9.12	611.30	10.15	610.27	12.12	608.30	9.21	611.21
P97-5	613.65	2.87	610.78	3.78	609.87	5.71	607.94	3.08	610.57
MW-10S	615.15*	3.53	611.62*	4.36	610.79*	>5.75	<609.40*	3.55	611.60*
MW-10R	615.47	4.18	611.29	5.15	610.32	6.92	608.55	4.10	611.37
P97-4	614.8	3.73	611.07	4.69	610.11	6.74	608.06	3.96	610.84
MW-8S	617.28	5.65	611.63	6.52	610.76	>7.00	<610.28	5.41	611.87
MW-8R	617.38	6.00	611.38	7.21	610.17	9.20	608.18	6.22	611.16
P97-3	617.66	6.46	611.20	7.34	610.32	9.47	608.19	6.60	611.06
MW-9RD	619.13	7.48	611.65	7.40	611.73	7.91	611.22	8.35	610.78
MW-9R	619.17	7.89	611.28	8.52	610.65	10.95	608.22	7.57	611.60
MW-9S	619.91	7.79	612.12	9.19	610.72	>10.35	<609.56	7.40	612.51
OW-2FR	624.14	12.07	612.07	12.96	611.18	>12.98	<611.16	12.26	611.88
P97-2	619.07	6.96	612.11	7.53	611.54	9.54	609.53	6.89	612.18
P97-1	619.97	6.67	613.30	7.37	612.60	9.20	610.77	6.51	613.46
MW-12R	621.59	8.49	613.10	9.82	611.77	11.68	609.91	8.32	613.27
MW-12S	621.17	4.30	616.87	6.34	614.83	>9.38	<611.79	3.95	617.22

West of Smokes Creek (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	2nd Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)	Depth To Water (ft)	4th Quarter Elevation (ft)
MW-13R	615.14	5.18	609.96	5.72	609.42	7.63	607.51	5.02	610.12
MW-14R	618.55	5.69	612.86	5.80	612.75	5.84	612.71	5.16	613.39

* MW-10S reference point and elevations estimated- well replaced in 2016.

NM - Not Measured

Table 2 Detection Summary

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

Job ID: 480-178549-1

Client Sample ID: DUP

Lab Sample ID: 480-178549-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	35		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	12		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	18		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 480-178549-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	1100		34		ug/L	40		8260C	Total/NA

Client Sample ID: MW-15R

Lab Sample ID: 480-178549-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	38		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	13		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	18		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 480-178549-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	57000		1700		ug/L	2000		8260C	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 480-178549-5

No Detections.

Client Sample ID: MW-8R

Lab Sample ID: 480-178549-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.3		5.0		ug/L	1		8260C	Total/NA
o-Chlorotoluene - DL	130	F1	5.0		ug/L	4		8260C	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 480-178549-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	200		5.0		ug/L	4		8260C	Total/NA
1,1-Dichloroethane	120		5.0		ug/L	4		8260C	Total/NA
Chloroethane	10		5.0		ug/L	4		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-178549-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

FIGURES

Figure 1: Site Plan

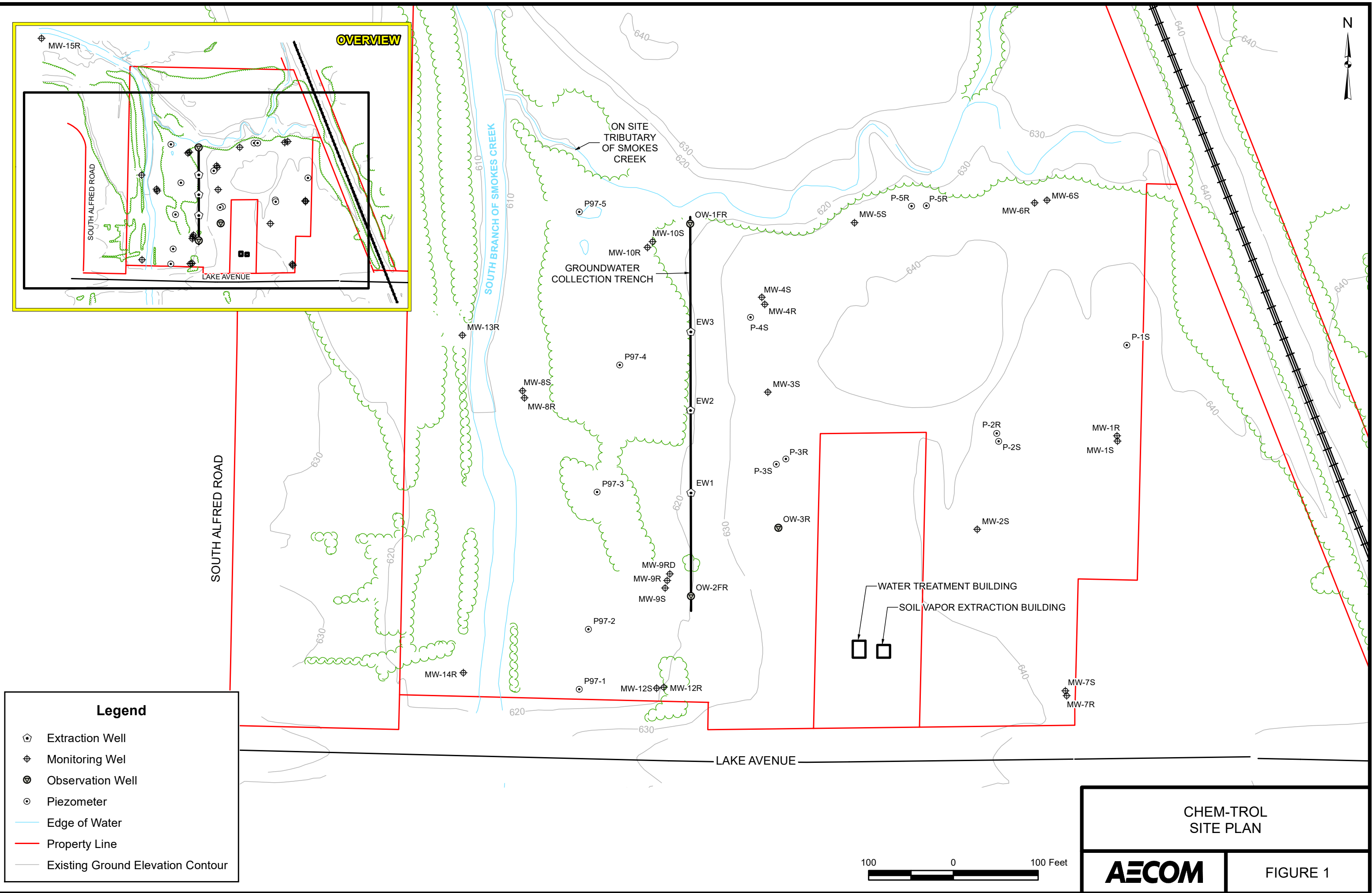
Figure 2: Bedrock Groundwater Contours – March 13, 2020

Figure 3: Bedrock Groundwater Contours – June 2, 2020

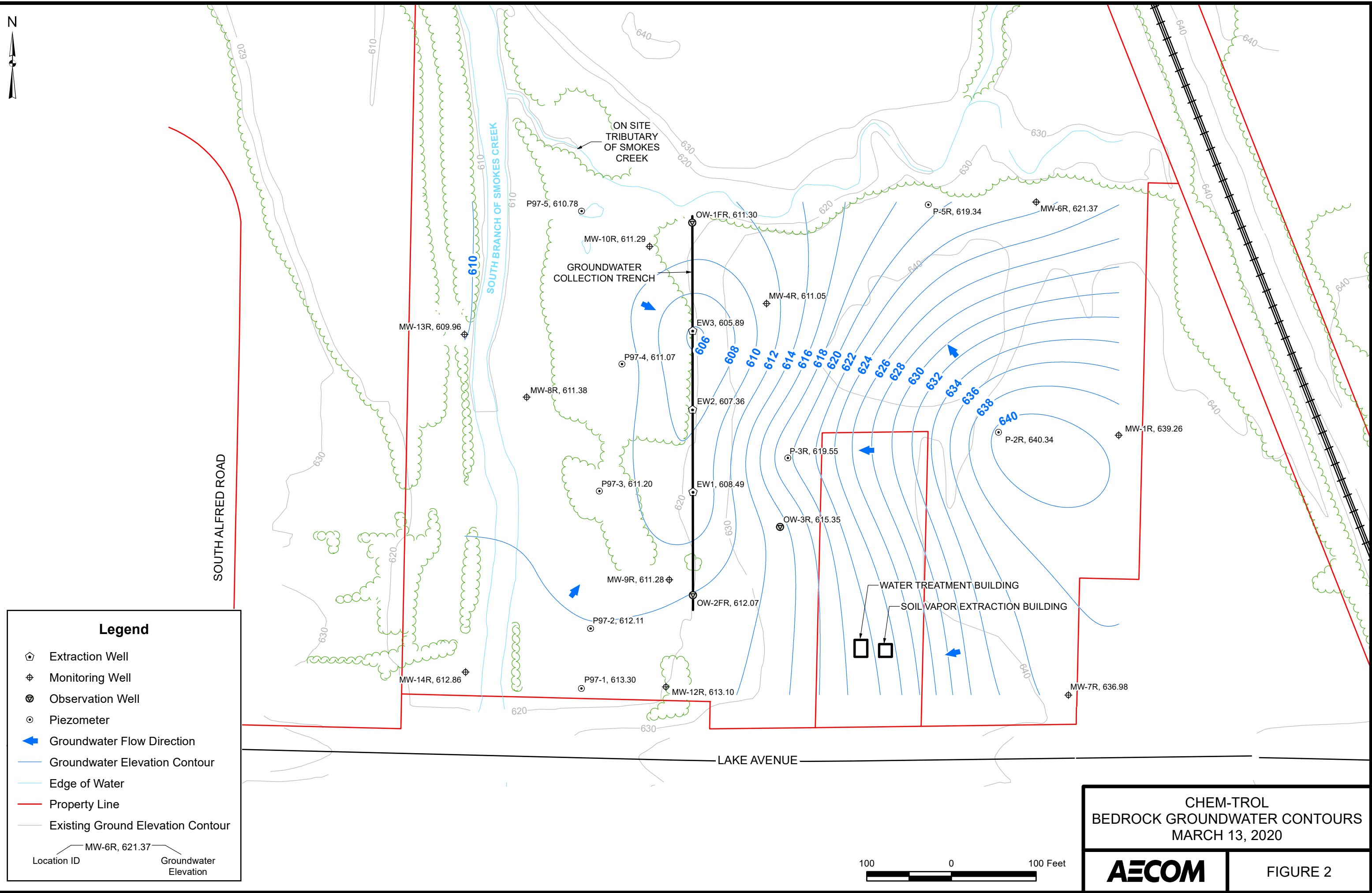
Figure 4: Bedrock Groundwater Contours – September 17, 2020

Figure 5: Bedrock Groundwater Contours – January 4, 2021

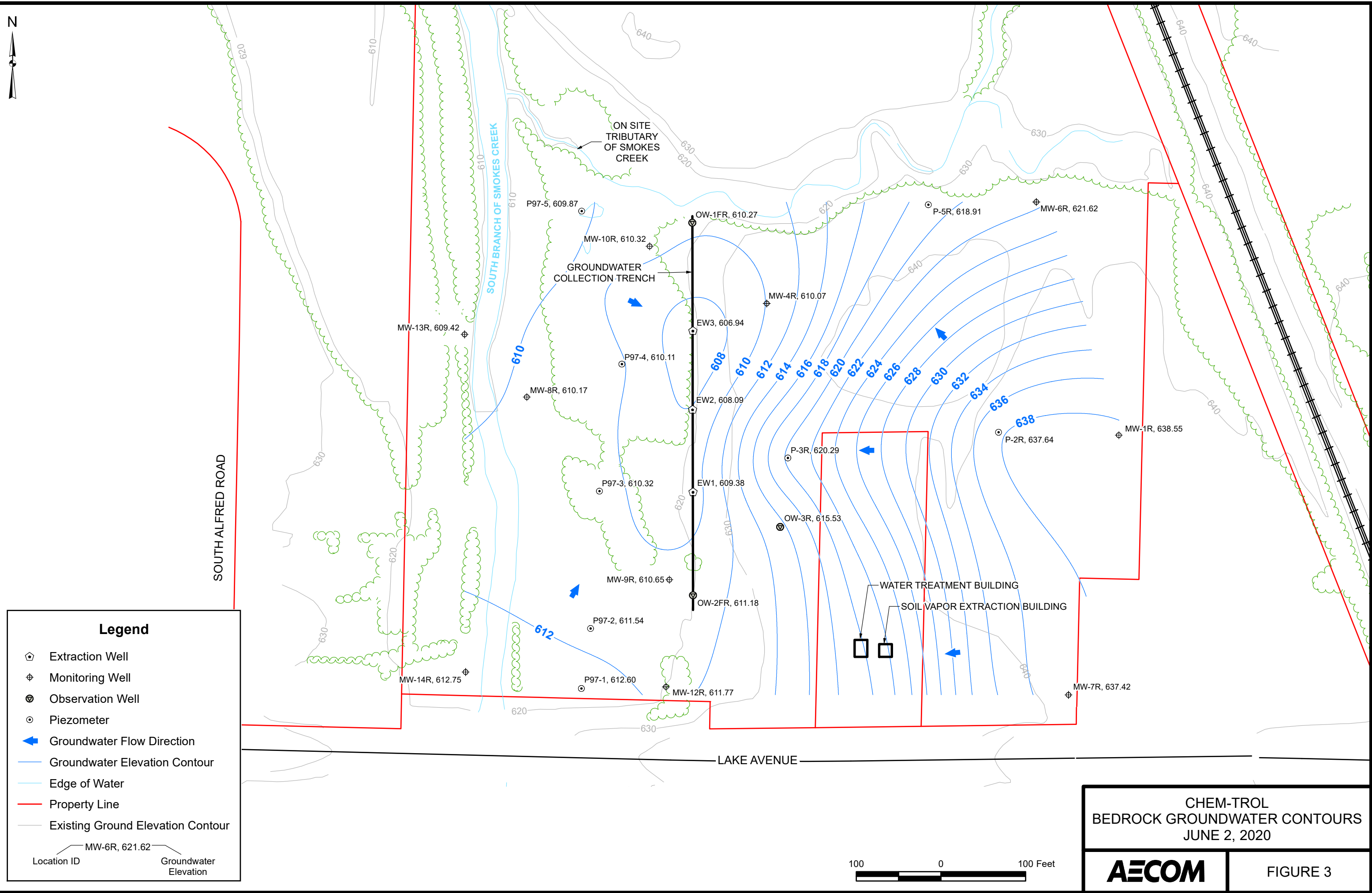
Figure 6: Influent o-Chlorotoluene Concentration 2003 – 02/2021



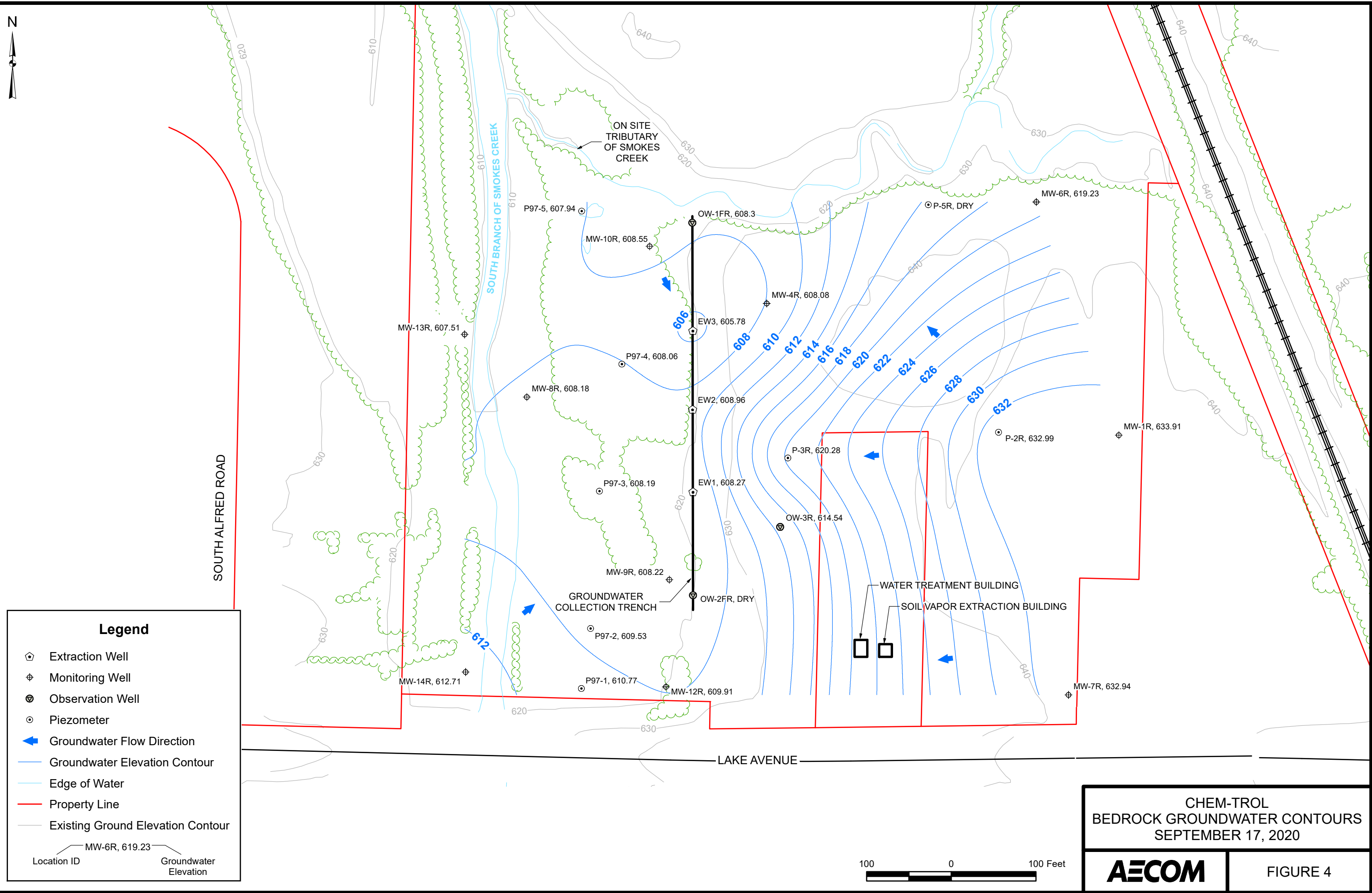
C:\Chemtrol\FIRST QUARTER 2020 GW CONTOURS.mxd 3/24/2020



C:\Chemtrol\SECOND QUARTER 2020 GW CONTOURS.mxd 6/9/2020



C:\Chemtrol\THIRD QUARTER 2020 GW CONTOURS.mxd 9/30/2020



CHEM-TROL
BEDROCK GROUNDWATER CONTOURS
SEPTEMBER 17, 2020

AECOM

FIGURE 4

C:\Chemtrol\FOURTH QUARTER 2020 GW CONTOURS.mxd 1/7/2021

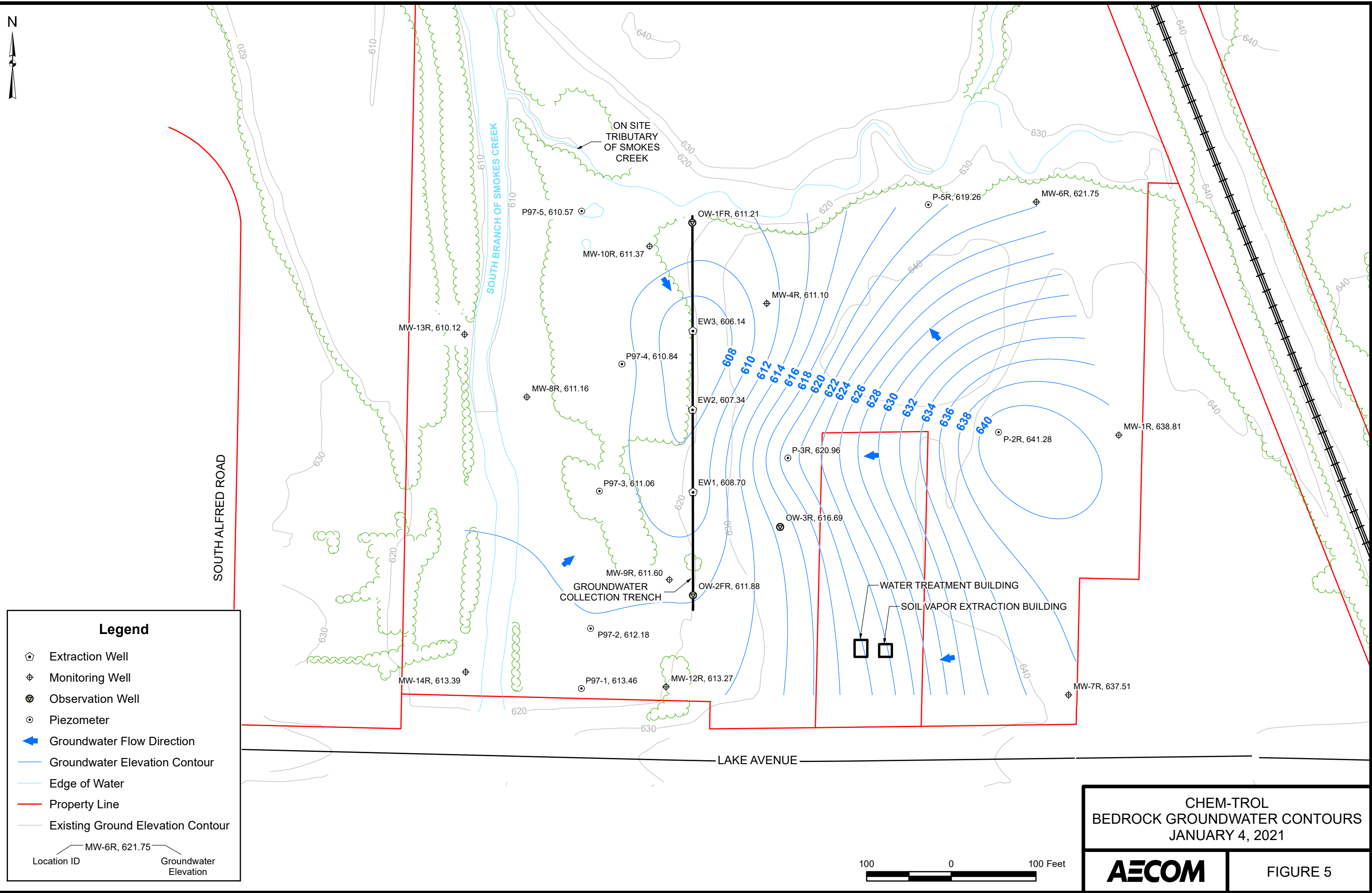
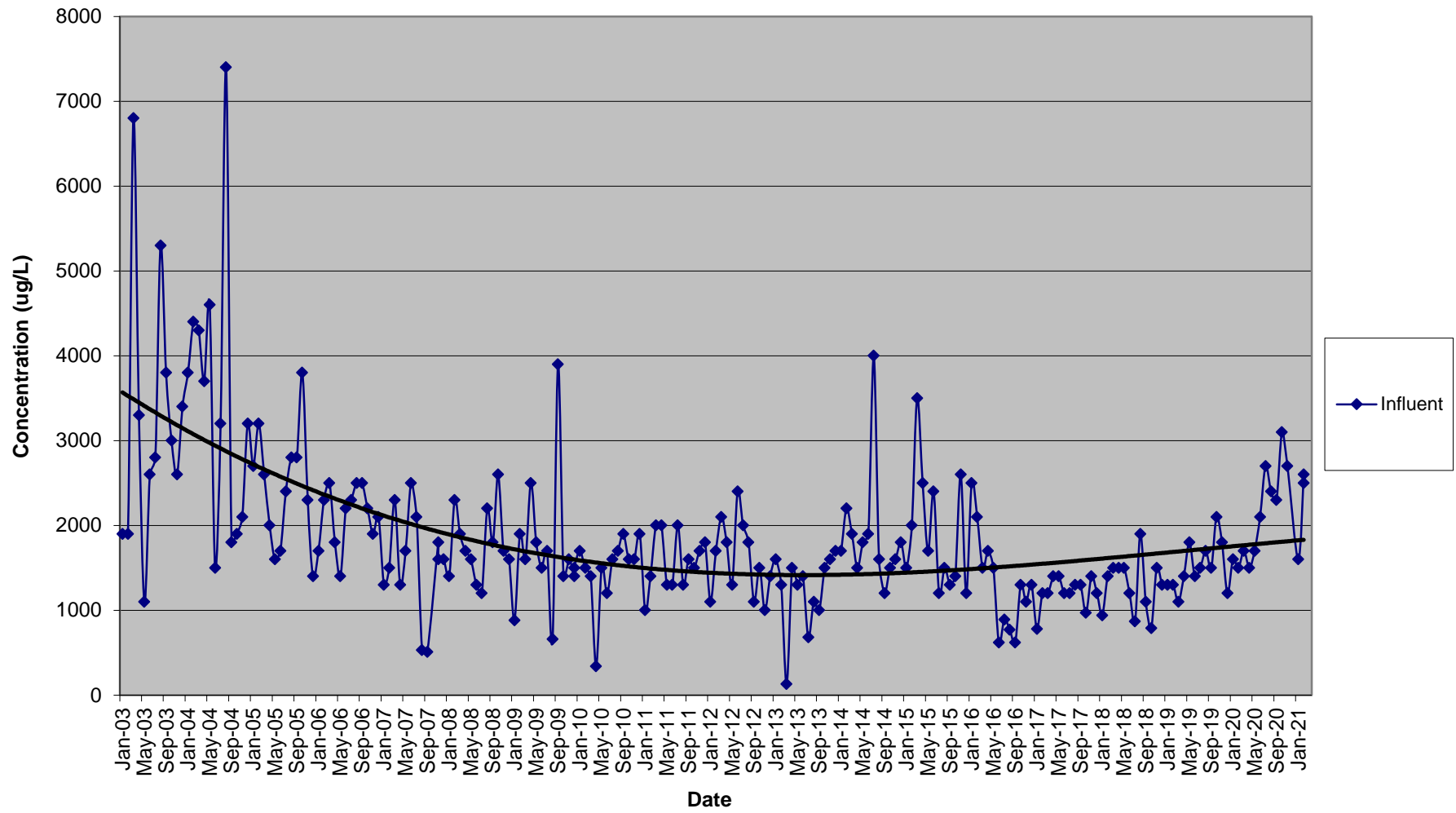


FIGURE 6

Chem-Trol Groundwater Treatment System
Influent o-Chlorotoluene Concentration
January 2003 - February 2021



ATTACHMENT A

Completed IC/EC Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **915015**

Site Name Chem-Trol

Site Address: Lake Avenue Zip Code: 14107
City/Town: Hamburg
County: Erie
Site Acreage: 17.520

Reporting Period: February 15, 2020 to February 15, 2021

YES NO

1. Is the information above correct? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Closed Landfill

7. Are all ICs in place and functioning as designed? ☒ ☐

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**151.02-1-14.1**

SC Holdings Inc./Waste Management

Ground Water Use Restriction

Monitoring Plan
O&M Plan
Landuse Restriction

Building Use Restriction

The controls identified in the Declaration of Covenants and Restrictions, recorded with Erie County on March 25, 2004, include but are not limited to the following: The owner of the Property shall maintain the cap covering the Property by maintaining its grass cover, or after obtaining written approval from the Relevant Agency, by capping the Property with another material. The property is prohibited from being used for purposes other than for industrial or commercial use, excluding use for day care, child care and medical care; the use of groundwater underlying the property is prohibited without treatment to render it safe for drinking water or industrial purposes, except that the groundwater may be reasonably used as necessary to conduct tests to monitor contamination levels of the groundwater. These restrictive covenants are binding and shall run with the land.

Description of Engineering ControlsParcelEngineering Control**151.02-1-14.1**

Groundwater Treatment System
Cover System
Groundwater Containment
Monitoring Wells
Fencing/Access Control
Leachate Collection

Remediation was completed in two phases consisting of Source Control Elements and Groundwater Control Elements. These elements are summarized as follows:

Source Control Elements:

1. Hot Spot Soils Removal.
2. Tributary Sediment Excavation/Disposal.
3. Site Soils Cover.
4. Soil Vapor Extraction. Passive state with one year evaluation starting January 2010. Passive state permanently approved on May 29, 2011.

Groundwater Control Elements:

1. Groundwater extraction from three extraction wells.
2. On-site groundwater treatment with discharge compliance monitoring.
2. Groundwater quality monitoring.

Groundwater intercept, extraction, treatment and discharge compliance monitoring. Periodic measuring of groundwater levels and plotting to develop groundwater contours and directional gradients. Annual groundwater quality monitoring to determine performance of remedy. Ongoing site management activities to continue with remedy and protection of public health and the environment.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915015

Box 6


SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Chad Moose at 100 Brandywine Blvd, Suite 300, Newtown, PA 18940,
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

3/16/2021

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Daniel T. Servetas at 40 British American Blvd, Latham, NY 12110,
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)


[Handwritten Signature] March 15, 2021

Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

Date

ATTACHMENT B

2020 Annual Groundwater Sample Laboratory Report

ANALYTICAL REPORT

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

Laboratory Job ID: 480-178549-1

Client Project/Site: ChemTrol Site: Annual GW
Sampling Event: ChemTrol Annual Groundwater (9)

For:

Waste Management
600 New Ludlow Road
South Hadley, Massachusetts 01075

Attn: Ryan Donovan



Authorized for release by:
12/7/2020 11:46:09 AM

Lisa Shaffer, Senior Project Manager
(716)504-9816

Lisa.Shaffer@Eurofinset.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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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Definitions/Glossary

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

Job ID: 480-178549-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Case Narrative

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

Job ID: 480-178549-1

Job ID: 480-178549-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-178549-1

Comments

No additional comments.

Receipt

The samples were received on 11/21/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-13R (480-178549-2), MW-3S (480-178549-4), MW-9R (480-178549-7), (480-178549-A-2 MS) and (480-178549-A-2 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The results reported for the following sample do not concur with results previously reported for this site: MW-8R (480-178549-6) and MW-9R (480-178549-7). Reanalysis was performed, and the result(s) confirmed.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-8R (480-178549-6), (480-178549-B-6 MS) and (480-178549-B-6 MSD). 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.

Detection Summary

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

Job ID: 480-178549-1

Client Sample ID: DUP

Lab Sample ID: 480-178549-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	35		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	12		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	18		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 480-178549-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	1100		34		ug/L	40		8260C	Total/NA

Client Sample ID: MW-15R

Lab Sample ID: 480-178549-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	38		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	13		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	18		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 480-178549-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	57000		1700		ug/L	2000		8260C	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 480-178549-5

No Detections.

Client Sample ID: MW-8R

Lab Sample ID: 480-178549-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.3		5.0		ug/L	1		8260C	Total/NA
o-Chlorotoluene - DL	130	F1	5.0		ug/L	4		8260C	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 480-178549-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	200		5.0		ug/L	4		8260C	Total/NA
1,1-Dichloroethane	120		5.0		ug/L	4		8260C	Total/NA
Chloroethane	10		5.0		ug/L	4		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-178549-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: DUP

Lab Sample ID: 480-178549-1

Date Collected: 11/20/20 09:10

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,1-Dichloroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/27/20 15:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/27/20 15:43	1
1,2-Dibromoethane	ND		5.0		ug/L			11/27/20 15:43	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/27/20 15:43	1
1,2-Dichloroethane	ND		5.0		ug/L			11/27/20 15:43	1
1,2-Dichloropropane	ND		5.0		ug/L			11/27/20 15:43	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/27/20 15:43	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/27/20 15:43	1
2-Butanone (MEK)	ND		25		ug/L			11/27/20 15:43	1
o-Chlorotoluene	ND		5.0		ug/L			11/27/20 15:43	1
2-Hexanone	ND		25		ug/L			11/27/20 15:43	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/27/20 15:43	1
Acetone	ND		25		ug/L			11/27/20 15:43	1
Benzene	ND		5.0		ug/L			11/27/20 15:43	1
Bromoform	ND		5.0		ug/L			11/27/20 15:43	1
Bromomethane	ND		5.0		ug/L			11/27/20 15:43	1
Carbon disulfide	ND		5.0		ug/L			11/27/20 15:43	1
Carbon tetrachloride	ND		5.0		ug/L			11/27/20 15:43	1
Chlorobenzene	ND		5.0		ug/L			11/27/20 15:43	1
Chlorodibromomethane	ND		5.0		ug/L			11/27/20 15:43	1
Chloroethane	ND		5.0		ug/L			11/27/20 15:43	1
Chloroform	ND		5.0		ug/L			11/27/20 15:43	1
Chloromethane	ND		5.0		ug/L			11/27/20 15:43	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 15:43	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 15:43	1
Cyclohexane	35		5.0		ug/L			11/27/20 15:43	1
Bromodichloromethane	ND		5.0		ug/L			11/27/20 15:43	1
Dichlorofluoromethane	ND		5.0		ug/L			11/27/20 15:43	1
Ethylbenzene	ND		5.0		ug/L			11/27/20 15:43	1
Isopropylbenzene	ND		5.0		ug/L			11/27/20 15:43	1
Methyl acetate	ND		5.0		ug/L			11/27/20 15:43	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/27/20 15:43	1
Methylcyclohexane	12		5.0		ug/L			11/27/20 15:43	1
Methylene Chloride	ND		5.0		ug/L			11/27/20 15:43	1
Styrene	ND		5.0		ug/L			11/27/20 15:43	1
Tetrachloroethene	ND		5.0		ug/L			11/27/20 15:43	1
Toluene	ND		5.0		ug/L			11/27/20 15:43	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 15:43	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 15:43	1
Trichloroethene	ND		5.0		ug/L			11/27/20 15:43	1
Trichlorofluoromethane	ND		5.0		ug/L			11/27/20 15:43	1
Vinyl chloride	ND		5.0		ug/L			11/27/20 15:43	1
Xylenes, Total	18		15		ug/L			11/27/20 15:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: DUP

Lab Sample ID: 480-178549-1

Date Collected: 11/20/20 09:10

Matrix: Water

Date Received: 11/21/20 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		11/27/20 15:43	1
Toluene-d8 (Surr)	88		80 - 120		11/27/20 15:43	1
4-Bromofluorobenzene (Surr)	90		73 - 120		11/27/20 15:43	1
Dibromofluoromethane (Surr)	90		75 - 123		11/27/20 15:43	1

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-13R

Lab Sample ID: 480-178549-2

Date Collected: 11/20/20 10:09

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F2	33		ug/L			11/25/20 23:16	40
1,1,2,2-Tetrachloroethane	ND		8.4		ug/L			11/25/20 23:16	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	12		ug/L			11/25/20 23:16	40
1,1,2-Trichloroethane	ND		9.2		ug/L			11/25/20 23:16	40
1,1-Dichloroethane	ND	F2	15		ug/L			11/25/20 23:16	40
1,2,4-Trichlorobenzene	ND	F2	16		ug/L			11/25/20 23:16	40
1,2-Dibromo-3-Chloropropane	ND	F2	16		ug/L			11/25/20 23:16	40
1,2-Dibromoethane	ND	F1	29		ug/L			11/25/20 23:16	40
1,2-Dichlorobenzene	ND	F2	32		ug/L			11/25/20 23:16	40
1,2-Dichloroethane	ND		8.4		ug/L			11/25/20 23:16	40
1,2-Dichloropropane	ND		29		ug/L			11/25/20 23:16	40
1,3-Dichlorobenzene	ND		31		ug/L			11/25/20 23:16	40
1,4-Dichlorobenzene	ND		34		ug/L			11/25/20 23:16	40
2-Butanone (MEK)	ND		53		ug/L			11/25/20 23:16	40
o-Chlorotoluene	1100		34		ug/L			11/25/20 23:16	40
2-Hexanone	ND	F1	50		ug/L			11/25/20 23:16	40
4-Methyl-2-pentanone (MIBK)	ND		84		ug/L			11/25/20 23:16	40
Acetone	ND		120		ug/L			11/25/20 23:16	40
Benzene	ND	F2	16		ug/L			11/25/20 23:16	40
Bromoform	ND	F2	10		ug/L			11/25/20 23:16	40
Bromomethane	ND	F2	28		ug/L			11/25/20 23:16	40
Carbon disulfide	ND	F2	7.6		ug/L			11/25/20 23:16	40
Carbon tetrachloride	ND	F2	11		ug/L			11/25/20 23:16	40
Chlorobenzene	ND	F1	30		ug/L			11/25/20 23:16	40
Chlorodibromomethane	ND		13		ug/L			11/25/20 23:16	40
Chloroethane	ND	F2	13		ug/L			11/25/20 23:16	40
Chloroform	ND	F2	14		ug/L			11/25/20 23:16	40
Chloromethane	ND	F2	14		ug/L			11/25/20 23:16	40
cis-1,2-Dichloroethene	ND	F2	32		ug/L			11/25/20 23:16	40
cis-1,3-Dichloropropene	ND	F1	14		ug/L			11/25/20 23:16	40
Cyclohexane	ND	F2	7.2		ug/L			11/25/20 23:16	40
Bromodichloromethane	ND		16		ug/L			11/25/20 23:16	40
Dichlorofluoromethane	ND	F2	14		ug/L			11/25/20 23:16	40
Ethylbenzene	ND	F2	30		ug/L			11/25/20 23:16	40
Isopropylbenzene	ND	F2	32		ug/L			11/25/20 23:16	40
Methyl acetate	ND	F1	52		ug/L			11/25/20 23:16	40
Methyl tert-butyl ether	ND		6.4		ug/L			11/25/20 23:16	40
Methylcyclohexane	ND	F2	6.4		ug/L			11/25/20 23:16	40
Methylene Chloride	ND	F1 F2	18		ug/L			11/25/20 23:16	40
Styrene	ND	F2	29		ug/L			11/25/20 23:16	40
Tetrachloroethene	ND	F2	14		ug/L			11/25/20 23:16	40
Toluene	ND	F1 F2	20		ug/L			11/25/20 23:16	40
trans-1,2-Dichloroethene	ND	F2	36		ug/L			11/25/20 23:16	40
trans-1,3-Dichloropropene	ND	F1	15		ug/L			11/25/20 23:16	40
Trichloroethene	ND		18		ug/L			11/25/20 23:16	40
Trichlorofluoromethane	ND	F2	35		ug/L			11/25/20 23:16	40
Vinyl chloride	ND	F2	36		ug/L			11/25/20 23:16	40
Xylenes, Total	ND	F2	26		ug/L			11/25/20 23:16	40

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-13R

Lab Sample ID: 480-178549-2

Date Collected: 11/20/20 10:09

Matrix: Water

Date Received: 11/21/20 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		11/25/20 23:16	40
Toluene-d8 (Surr)	88		80 - 120		11/25/20 23:16	40
4-Bromofluorobenzene (Surr)	87		73 - 120		11/25/20 23:16	40
Dibromofluoromethane (Surr)	89		75 - 123		11/25/20 23:16	40

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-15R

Lab Sample ID: 480-178549-3

Date Collected: 11/20/20 08:55

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,1-Dichloroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/25/20 23:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/25/20 23:40	1
1,2-Dibromoethane	ND		5.0		ug/L			11/25/20 23:40	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/25/20 23:40	1
1,2-Dichloroethane	ND		5.0		ug/L			11/25/20 23:40	1
1,2-Dichloropropane	ND		5.0		ug/L			11/25/20 23:40	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/25/20 23:40	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/25/20 23:40	1
2-Butanone (MEK)	ND		25		ug/L			11/25/20 23:40	1
o-Chlorotoluene	ND		5.0		ug/L			11/25/20 23:40	1
2-Hexanone	ND		25		ug/L			11/25/20 23:40	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/25/20 23:40	1
Acetone	ND		25		ug/L			11/25/20 23:40	1
Benzene	ND		5.0		ug/L			11/25/20 23:40	1
Bromoform	ND		5.0		ug/L			11/25/20 23:40	1
Bromomethane	ND		5.0		ug/L			11/25/20 23:40	1
Carbon disulfide	ND		5.0		ug/L			11/25/20 23:40	1
Carbon tetrachloride	ND		5.0		ug/L			11/25/20 23:40	1
Chlorobenzene	ND		5.0		ug/L			11/25/20 23:40	1
Chlorodibromomethane	ND		5.0		ug/L			11/25/20 23:40	1
Chloroethane	ND		5.0		ug/L			11/25/20 23:40	1
Chloroform	ND		5.0		ug/L			11/25/20 23:40	1
Chloromethane	ND		5.0		ug/L			11/25/20 23:40	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/25/20 23:40	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/25/20 23:40	1
Cyclohexane	38		5.0		ug/L			11/25/20 23:40	1
Bromodichloromethane	ND		5.0		ug/L			11/25/20 23:40	1
Dichlorofluoromethane	ND		5.0		ug/L			11/25/20 23:40	1
Ethylbenzene	ND		5.0		ug/L			11/25/20 23:40	1
Isopropylbenzene	ND		5.0		ug/L			11/25/20 23:40	1
Methyl acetate	ND		5.0		ug/L			11/25/20 23:40	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/25/20 23:40	1
Methylcyclohexane	13		5.0		ug/L			11/25/20 23:40	1
Methylene Chloride	ND		5.0		ug/L			11/25/20 23:40	1
Styrene	ND		5.0		ug/L			11/25/20 23:40	1
Tetrachloroethene	ND		5.0		ug/L			11/25/20 23:40	1
Toluene	ND		5.0		ug/L			11/25/20 23:40	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/25/20 23:40	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/25/20 23:40	1
Trichloroethene	ND		5.0		ug/L			11/25/20 23:40	1
Trichlorofluoromethane	ND		5.0		ug/L			11/25/20 23:40	1
Vinyl chloride	ND		5.0		ug/L			11/25/20 23:40	1
Xylenes, Total	18		15		ug/L			11/25/20 23:40	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-15R

Lab Sample ID: 480-178549-3

Date Collected: 11/20/20 08:55

Matrix: Water

Date Received: 11/21/20 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		11/25/20 23:40	1
Toluene-d8 (Surr)	88		80 - 120		11/25/20 23:40	1
4-Bromofluorobenzene (Surr)	89		73 - 120		11/25/20 23:40	1
Dibromofluoromethane (Surr)	93		75 - 123		11/25/20 23:40	1

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-3S

Lab Sample ID: 480-178549-4

Date Collected: 11/20/20 15:40

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1600		ug/L			11/26/20 00:05	2000
1,1,2,2-Tetrachloroethane	ND		420		ug/L			11/26/20 00:05	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620		ug/L			11/26/20 00:05	2000
1,1,2-Trichloroethane	ND		460		ug/L			11/26/20 00:05	2000
1,1-Dichloroethane	ND		760		ug/L			11/26/20 00:05	2000
1,2,4-Trichlorobenzene	ND		820		ug/L			11/26/20 00:05	2000
1,2-Dibromo-3-Chloropropane	ND		780		ug/L			11/26/20 00:05	2000
1,2-Dibromoethane	ND		1500		ug/L			11/26/20 00:05	2000
1,2-Dichlorobenzene	ND		1600		ug/L			11/26/20 00:05	2000
1,2-Dichloroethane	ND		420		ug/L			11/26/20 00:05	2000
1,2-Dichloropropane	ND		1400		ug/L			11/26/20 00:05	2000
1,3-Dichlorobenzene	ND		1600		ug/L			11/26/20 00:05	2000
1,4-Dichlorobenzene	ND		1700		ug/L			11/26/20 00:05	2000
2-Butanone (MEK)	ND		2600		ug/L			11/26/20 00:05	2000
o-Chlorotoluene	57000		1700		ug/L			11/26/20 00:05	2000
2-Hexanone	ND		2500		ug/L			11/26/20 00:05	2000
4-Methyl-2-pentanone (MIBK)	ND		4200		ug/L			11/26/20 00:05	2000
Acetone	ND		6000		ug/L			11/26/20 00:05	2000
Benzene	ND		820		ug/L			11/26/20 00:05	2000
Bromoform	ND		520		ug/L			11/26/20 00:05	2000
Bromomethane	ND		1400		ug/L			11/26/20 00:05	2000
Carbon disulfide	ND		380		ug/L			11/26/20 00:05	2000
Carbon tetrachloride	ND		540		ug/L			11/26/20 00:05	2000
Chlorobenzene	ND		1500		ug/L			11/26/20 00:05	2000
Chlorodibromomethane	ND		640		ug/L			11/26/20 00:05	2000
Chloroethane	ND		640		ug/L			11/26/20 00:05	2000
Chloroform	ND		680		ug/L			11/26/20 00:05	2000
Chloromethane	ND		700		ug/L			11/26/20 00:05	2000
cis-1,2-Dichloroethene	ND		1600		ug/L			11/26/20 00:05	2000
cis-1,3-Dichloropropene	ND		720		ug/L			11/26/20 00:05	2000
Cyclohexane	ND		360		ug/L			11/26/20 00:05	2000
Bromodichloromethane	ND		780		ug/L			11/26/20 00:05	2000
Dichlorofluoromethane	ND		680		ug/L			11/26/20 00:05	2000
Ethylbenzene	ND		1500		ug/L			11/26/20 00:05	2000
Isopropylbenzene	ND		1600		ug/L			11/26/20 00:05	2000
Methyl acetate	ND		2600		ug/L			11/26/20 00:05	2000
Methyl tert-butyl ether	ND		320		ug/L			11/26/20 00:05	2000
Methylcyclohexane	ND		320		ug/L			11/26/20 00:05	2000
Methylene Chloride	ND		880		ug/L			11/26/20 00:05	2000
Styrene	ND		1500		ug/L			11/26/20 00:05	2000
Tetrachloroethene	ND		720		ug/L			11/26/20 00:05	2000
Toluene	ND		1000		ug/L			11/26/20 00:05	2000
trans-1,2-Dichloroethene	ND		1800		ug/L			11/26/20 00:05	2000
trans-1,3-Dichloropropene	ND		740		ug/L			11/26/20 00:05	2000
Trichloroethene	ND		920		ug/L			11/26/20 00:05	2000
Trichlorofluoromethane	ND		1800		ug/L			11/26/20 00:05	2000
Vinyl chloride	ND		1800		ug/L			11/26/20 00:05	2000
Xylenes, Total	ND		1300		ug/L			11/26/20 00:05	2000

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-3S

Date Collected: 11/20/20 15:40

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-4

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/26/20 00:05	2000
Toluene-d8 (Surr)	93		80 - 120		11/26/20 00:05	2000
4-Bromofluorobenzene (Surr)	96		73 - 120		11/26/20 00:05	2000
Dibromofluoromethane (Surr)	96		75 - 123		11/26/20 00:05	2000

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-7R

Lab Sample ID: 480-178549-5

Date Collected: 11/20/20 14:31

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,1-Dichloroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/26/20 00:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/26/20 00:30	1
1,2-Dibromoethane	ND		5.0		ug/L			11/26/20 00:30	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:30	1
1,2-Dichloroethane	ND		5.0		ug/L			11/26/20 00:30	1
1,2-Dichloropropane	ND		5.0		ug/L			11/26/20 00:30	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:30	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:30	1
2-Butanone (MEK)	ND		25		ug/L			11/26/20 00:30	1
o-Chlorotoluene	ND		5.0		ug/L			11/26/20 00:30	1
2-Hexanone	ND		25		ug/L			11/26/20 00:30	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/26/20 00:30	1
Acetone	ND		25		ug/L			11/26/20 00:30	1
Benzene	ND		5.0		ug/L			11/26/20 00:30	1
Bromoform	ND		5.0		ug/L			11/26/20 00:30	1
Bromomethane	ND		5.0		ug/L			11/26/20 00:30	1
Carbon disulfide	ND		5.0		ug/L			11/26/20 00:30	1
Carbon tetrachloride	ND		5.0		ug/L			11/26/20 00:30	1
Chlorobenzene	ND		5.0		ug/L			11/26/20 00:30	1
Chlorodibromomethane	ND		5.0		ug/L			11/26/20 00:30	1
Chloroethane	ND		5.0		ug/L			11/26/20 00:30	1
Chloroform	ND		5.0		ug/L			11/26/20 00:30	1
Chloromethane	ND		5.0		ug/L			11/26/20 00:30	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 00:30	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 00:30	1
Cyclohexane	ND		5.0		ug/L			11/26/20 00:30	1
Bromodichloromethane	ND		5.0		ug/L			11/26/20 00:30	1
Dichlorofluoromethane	ND		5.0		ug/L			11/26/20 00:30	1
Ethylbenzene	ND		5.0		ug/L			11/26/20 00:30	1
Isopropylbenzene	ND		5.0		ug/L			11/26/20 00:30	1
Methyl acetate	ND		5.0		ug/L			11/26/20 00:30	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/26/20 00:30	1
Methylcyclohexane	ND		5.0		ug/L			11/26/20 00:30	1
Methylene Chloride	ND		5.0		ug/L			11/26/20 00:30	1
Styrene	ND		5.0		ug/L			11/26/20 00:30	1
Tetrachloroethene	ND		5.0		ug/L			11/26/20 00:30	1
Toluene	ND		5.0		ug/L			11/26/20 00:30	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 00:30	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 00:30	1
Trichloroethene	ND		5.0		ug/L			11/26/20 00:30	1
Trichlorofluoromethane	ND		5.0		ug/L			11/26/20 00:30	1
Vinyl chloride	ND		5.0		ug/L			11/26/20 00:30	1
Xylenes, Total	ND		15		ug/L			11/26/20 00:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-7R

Lab Sample ID: 480-178549-5

Date Collected: 11/20/20 14:31

Matrix: Water

Date Received: 11/21/20 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		11/26/20 00:30	1
Toluene-d8 (Surr)	93		80 - 120		11/26/20 00:30	1
4-Bromofluorobenzene (Surr)	93		73 - 120		11/26/20 00:30	1
Dibromofluoromethane (Surr)	95		75 - 123		11/26/20 00:30	1

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-8R

Lab Sample ID: 480-178549-6

Date Collected: 11/20/20 12:00

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/26/20 00:55	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/26/20 00:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/26/20 00:55	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/26/20 00:55	1
1,1-Dichloroethane	5.3		5.0		ug/L			11/26/20 00:55	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/26/20 00:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/26/20 00:55	1
1,2-Dibromoethane	ND		5.0		ug/L			11/26/20 00:55	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:55	1
1,2-Dichloroethane	ND		5.0		ug/L			11/26/20 00:55	1
1,2-Dichloropropane	ND		5.0		ug/L			11/26/20 00:55	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:55	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/26/20 00:55	1
2-Butanone (MEK)	ND		25		ug/L			11/26/20 00:55	1
2-Hexanone	ND		25		ug/L			11/26/20 00:55	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/26/20 00:55	1
Acetone	ND		25		ug/L			11/26/20 00:55	1
Benzene	ND		5.0		ug/L			11/26/20 00:55	1
Bromoform	ND		5.0		ug/L			11/26/20 00:55	1
Bromomethane	ND		5.0		ug/L			11/26/20 00:55	1
Carbon disulfide	ND		5.0		ug/L			11/26/20 00:55	1
Carbon tetrachloride	ND		5.0		ug/L			11/26/20 00:55	1
Chlorobenzene	ND		5.0		ug/L			11/26/20 00:55	1
Chlorodibromomethane	ND		5.0		ug/L			11/26/20 00:55	1
Chloroethane	ND		5.0		ug/L			11/26/20 00:55	1
Chloroform	ND		5.0		ug/L			11/26/20 00:55	1
Chloromethane	ND		5.0		ug/L			11/26/20 00:55	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 00:55	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 00:55	1
Cyclohexane	ND		5.0		ug/L			11/26/20 00:55	1
Bromodichloromethane	ND		5.0		ug/L			11/26/20 00:55	1
Dichlorofluoromethane	ND		5.0		ug/L			11/26/20 00:55	1
Ethylbenzene	ND		5.0		ug/L			11/26/20 00:55	1
Isopropylbenzene	ND		5.0		ug/L			11/26/20 00:55	1
Methyl acetate	ND		5.0		ug/L			11/26/20 00:55	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/26/20 00:55	1
Methylcyclohexane	ND		5.0		ug/L			11/26/20 00:55	1
Methylene Chloride	ND		5.0		ug/L			11/26/20 00:55	1
Styrene	ND		5.0		ug/L			11/26/20 00:55	1
Tetrachloroethene	ND		5.0		ug/L			11/26/20 00:55	1
Toluene	ND		5.0		ug/L			11/26/20 00:55	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 00:55	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 00:55	1
Trichloroethene	ND		5.0		ug/L			11/26/20 00:55	1
Trichlorofluoromethane	ND		5.0		ug/L			11/26/20 00:55	1
Vinyl chloride	ND		5.0		ug/L			11/26/20 00:55	1
Xylenes, Total	ND		15		ug/L			11/26/20 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/26/20 00:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-8R

Lab Sample ID: 480-178549-6

Date Collected: 11/20/20 12:00

Matrix: Water

Date Received: 11/21/20 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		11/26/20 00:55	1
4-Bromofluorobenzene (Surr)	95		73 - 120		11/26/20 00:55	1
Dibromofluoromethane (Surr)	98		75 - 123		11/26/20 00:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	130	F1	5.0		ug/L			11/27/20 16:07	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/27/20 16:07	4
Toluene-d8 (Surr)	95		80 - 120		11/27/20 16:07	4
4-Bromofluorobenzene (Surr)	93		73 - 120		11/27/20 16:07	4
Dibromofluoromethane (Surr)	110		75 - 123		11/27/20 16:07	4

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-9R

Lab Sample ID: 480-178549-7

Date Collected: 11/20/20 13:10

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	200		5.0		ug/L			11/26/20 01:20	4
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/26/20 01:20	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/26/20 01:20	4
1,1,2-Trichloroethane	ND		5.0		ug/L			11/26/20 01:20	4
1,1-Dichloroethane	120		5.0		ug/L			11/26/20 01:20	4
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/26/20 01:20	4
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/26/20 01:20	4
1,2-Dibromoethane	ND		5.0		ug/L			11/26/20 01:20	4
1,2-Dichlorobenzene	ND		5.0		ug/L			11/26/20 01:20	4
1,2-Dichloroethane	ND		5.0		ug/L			11/26/20 01:20	4
1,2-Dichloropropane	ND		5.0		ug/L			11/26/20 01:20	4
1,3-Dichlorobenzene	ND		5.0		ug/L			11/26/20 01:20	4
1,4-Dichlorobenzene	ND		5.0		ug/L			11/26/20 01:20	4
2-Butanone (MEK)	ND		25		ug/L			11/26/20 01:20	4
o-Chlorotoluene	ND		5.0		ug/L			11/26/20 01:20	4
2-Hexanone	ND		25		ug/L			11/26/20 01:20	4
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/26/20 01:20	4
Acetone	ND		25		ug/L			11/26/20 01:20	4
Benzene	ND		5.0		ug/L			11/26/20 01:20	4
Bromoform	ND		5.0		ug/L			11/26/20 01:20	4
Bromomethane	ND		5.0		ug/L			11/26/20 01:20	4
Carbon disulfide	ND		5.0		ug/L			11/26/20 01:20	4
Carbon tetrachloride	ND		5.0		ug/L			11/26/20 01:20	4
Chlorobenzene	ND		5.0		ug/L			11/26/20 01:20	4
Chlorodibromomethane	ND		5.0		ug/L			11/26/20 01:20	4
Chloroethane	10		5.0		ug/L			11/26/20 01:20	4
Chloroform	ND		5.0		ug/L			11/26/20 01:20	4
Chloromethane	ND		5.0		ug/L			11/26/20 01:20	4
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 01:20	4
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 01:20	4
Cyclohexane	ND		5.0		ug/L			11/26/20 01:20	4
Bromodichloromethane	ND		5.0		ug/L			11/26/20 01:20	4
Dichlorofluoromethane	ND		5.0		ug/L			11/26/20 01:20	4
Ethylbenzene	ND		5.0		ug/L			11/26/20 01:20	4
Isopropylbenzene	ND		5.0		ug/L			11/26/20 01:20	4
Methyl acetate	ND		5.2		ug/L			11/26/20 01:20	4
Methyl tert-butyl ether	ND		5.0		ug/L			11/26/20 01:20	4
Methylcyclohexane	ND		5.0		ug/L			11/26/20 01:20	4
Methylene Chloride	ND		5.0		ug/L			11/26/20 01:20	4
Styrene	ND		5.0		ug/L			11/26/20 01:20	4
Tetrachloroethene	ND		5.0		ug/L			11/26/20 01:20	4
Toluene	ND		5.0		ug/L			11/26/20 01:20	4
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/26/20 01:20	4
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/26/20 01:20	4
Trichloroethene	ND		5.0		ug/L			11/26/20 01:20	4
Trichlorofluoromethane	ND		5.0		ug/L			11/26/20 01:20	4
Vinyl chloride	ND		5.0		ug/L			11/26/20 01:20	4
Xylenes, Total	ND		15		ug/L			11/26/20 01:20	4

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: MW-9R

Date Collected: 11/20/20 13:10

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-7

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/26/20 01:20	4
Toluene-d8 (Surr)	89		80 - 120		11/26/20 01:20	4
4-Bromofluorobenzene (Surr)	88		73 - 120		11/26/20 01:20	4
Dibromofluoromethane (Surr)	99		75 - 123		11/26/20 01:20	4

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-178549-8

Date Collected: 11/20/20 00:00

Matrix: Water

Date Received: 11/21/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,1-Dichloroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/27/20 13:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/27/20 13:01	1
1,2-Dibromoethane	ND		5.0		ug/L			11/27/20 13:01	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/27/20 13:01	1
1,2-Dichloroethane	ND		5.0		ug/L			11/27/20 13:01	1
1,2-Dichloropropane	ND		5.0		ug/L			11/27/20 13:01	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/27/20 13:01	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/27/20 13:01	1
2-Butanone (MEK)	ND		25		ug/L			11/27/20 13:01	1
o-Chlorotoluene	ND		5.0		ug/L			11/27/20 13:01	1
2-Hexanone	ND		25		ug/L			11/27/20 13:01	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/27/20 13:01	1
Acetone	ND		25		ug/L			11/27/20 13:01	1
Benzene	ND		5.0		ug/L			11/27/20 13:01	1
Bromoform	ND		5.0		ug/L			11/27/20 13:01	1
Bromomethane	ND		5.0		ug/L			11/27/20 13:01	1
Carbon disulfide	ND		5.0		ug/L			11/27/20 13:01	1
Carbon tetrachloride	ND		5.0		ug/L			11/27/20 13:01	1
Chlorobenzene	ND		5.0		ug/L			11/27/20 13:01	1
Chlorodibromomethane	ND		5.0		ug/L			11/27/20 13:01	1
Chloroethane	ND		5.0		ug/L			11/27/20 13:01	1
Chloroform	ND		5.0		ug/L			11/27/20 13:01	1
Chloromethane	ND		5.0		ug/L			11/27/20 13:01	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 13:01	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 13:01	1
Cyclohexane	ND		5.0		ug/L			11/27/20 13:01	1
Bromodichloromethane	ND		5.0		ug/L			11/27/20 13:01	1
Dichlorofluoromethane	ND		5.0		ug/L			11/27/20 13:01	1
Ethylbenzene	ND		5.0		ug/L			11/27/20 13:01	1
Isopropylbenzene	ND		5.0		ug/L			11/27/20 13:01	1
Methyl acetate	ND		5.0		ug/L			11/27/20 13:01	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/27/20 13:01	1
Methylcyclohexane	ND		5.0		ug/L			11/27/20 13:01	1
Methylene Chloride	ND		5.0		ug/L			11/27/20 13:01	1
Styrene	ND		5.0		ug/L			11/27/20 13:01	1
Tetrachloroethene	ND		5.0		ug/L			11/27/20 13:01	1
Toluene	ND		5.0		ug/L			11/27/20 13:01	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 13:01	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 13:01	1
Trichloroethene	ND		5.0		ug/L			11/27/20 13:01	1
Trichlorofluoromethane	ND		5.0		ug/L			11/27/20 13:01	1
Vinyl chloride	ND		5.0		ug/L			11/27/20 13:01	1
Xylenes, Total	ND		15		ug/L			11/27/20 13:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-178549-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-178549-8

Date Collected: 11/20/20 00:00

Matrix: Water

Date Received: 11/21/20 10:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/27/20 13:01	1
Toluene-d8 (Surr)	105		80 - 120		11/27/20 13:01	1
4-Bromofluorobenzene (Surr)	108		73 - 120		11/27/20 13:01	1
Dibromofluoromethane (Surr)	114		75 - 123		11/27/20 13:01	1

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: MB 480-560918/7

Matrix: Water

Analysis Batch: 560918

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,1-Dichloroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/25/20 22:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/25/20 22:01	1
1,2-Dibromoethane	ND		5.0		ug/L			11/25/20 22:01	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/25/20 22:01	1
1,2-Dichloroethane	ND		5.0		ug/L			11/25/20 22:01	1
1,2-Dichloropropane	ND		5.0		ug/L			11/25/20 22:01	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/25/20 22:01	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/25/20 22:01	1
2-Butanone (MEK)	ND		25		ug/L			11/25/20 22:01	1
o-Chlorotoluene	ND		5.0		ug/L			11/25/20 22:01	1
2-Hexanone	ND		25		ug/L			11/25/20 22:01	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/25/20 22:01	1
Acetone	ND		25		ug/L			11/25/20 22:01	1
Benzene	ND		5.0		ug/L			11/25/20 22:01	1
Bromoform	ND		5.0		ug/L			11/25/20 22:01	1
Bromomethane	ND		5.0		ug/L			11/25/20 22:01	1
Carbon disulfide	ND		5.0		ug/L			11/25/20 22:01	1
Carbon tetrachloride	ND		5.0		ug/L			11/25/20 22:01	1
Chlorobenzene	ND		5.0		ug/L			11/25/20 22:01	1
Chlorodibromomethane	ND		5.0		ug/L			11/25/20 22:01	1
Chloroethane	ND		5.0		ug/L			11/25/20 22:01	1
Chloroform	ND		5.0		ug/L			11/25/20 22:01	1
Chloromethane	ND		5.0		ug/L			11/25/20 22:01	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/25/20 22:01	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/25/20 22:01	1
Cyclohexane	ND		5.0		ug/L			11/25/20 22:01	1
Bromodichloromethane	ND		5.0		ug/L			11/25/20 22:01	1
Dichlorofluoromethane	ND		5.0		ug/L			11/25/20 22:01	1
Ethylbenzene	ND		5.0		ug/L			11/25/20 22:01	1
Isopropylbenzene	ND		5.0		ug/L			11/25/20 22:01	1
Methyl acetate	ND		5.0		ug/L			11/25/20 22:01	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/25/20 22:01	1
Methylcyclohexane	ND		5.0		ug/L			11/25/20 22:01	1
Methylene Chloride	ND		5.0		ug/L			11/25/20 22:01	1
Styrene	ND		5.0		ug/L			11/25/20 22:01	1
Tetrachloroethene	ND		5.0		ug/L			11/25/20 22:01	1
Toluene	ND		5.0		ug/L			11/25/20 22:01	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/25/20 22:01	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/25/20 22:01	1
Trichloroethene	ND		5.0		ug/L			11/25/20 22:01	1
Trichlorofluoromethane	ND		5.0		ug/L			11/25/20 22:01	1
Vinyl chloride	ND		5.0		ug/L			11/25/20 22:01	1
Xylenes, Total	ND		15		ug/L			11/25/20 22:01	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: MB 480-560918/7

Matrix: Water

Analysis Batch: 560918

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/25/20 22:01	1
Toluene-d8 (Surr)	92		80 - 120		11/25/20 22:01	1
4-Bromofluorobenzene (Surr)	95		73 - 120		11/25/20 22:01	1
Dibromofluoromethane (Surr)	90		75 - 123		11/25/20 22:01	1

Lab Sample ID: LCS 480-560918/5

Matrix: Water

Analysis Batch: 560918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		98	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.6		ug/L		94	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	24.4		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
o-Chlorotoluene	25.0	24.7		ug/L		99	76 - 121
2-Hexanone	125	132		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		101	71 - 125
Acetone	125	140		ug/L		112	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromoform	25.0	22.5		ug/L		90	61 - 132
Bromomethane	25.0	20.0		ug/L		80	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	25.8		ug/L		103	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chlorodibromomethane	25.0	24.0		ug/L		96	75 - 125
Chloroethane	25.0	20.4		ug/L		82	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	20.6		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135
Bromodichloromethane	25.0	25.2		ug/L		101	80 - 122
Dichlorofluoromethane	25.0	22.8		ug/L		91	76 - 127
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	52.0		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120
Methylcyclohexane	25.0	25.7		ug/L		103	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: LCS 480-560918/5

Matrix: Water

Analysis Batch: 560918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	23.0		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	23.0		ug/L		92	62 - 150
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
Toluene-d8 (Surr)	89		80 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Lab Sample ID: 480-178549-2 MS

Matrix: Water

Analysis Batch: 560918

Client Sample ID: MW-13R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F2	1000	1230		ug/L		123	73 - 126
1,1,2,2-Tetrachloroethane	ND		1000	915		ug/L		91	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	1000	1190		ug/L		119	61 - 148
1,1,2-Trichloroethane	ND		1000	876		ug/L		88	76 - 122
1,1-Dichloroethane	ND	F2	1000	1160		ug/L		116	77 - 120
1,2,4-Trichlorobenzene	ND	F2	1000	1100		ug/L		110	79 - 122
1,2-Dibromo-3-Chloropropane	ND	F2	1000	781		ug/L		78	56 - 134
1,2-Dibromoethane	ND	F1	1000	844		ug/L		84	77 - 120
1,2-Dichlorobenzene	ND	F2	1000	1060		ug/L		106	80 - 124
1,2-Dichloroethane	ND		1000	968		ug/L		97	75 - 120
1,2-Dichloropropane	ND		1000	929		ug/L		93	76 - 120
1,3-Dichlorobenzene	ND		1000	971		ug/L		97	77 - 120
1,4-Dichlorobenzene	ND		1000	913		ug/L		91	78 - 124
2-Butanone (MEK)	ND		5000	3010		ug/L		60	57 - 140
o-Chlorotoluene	1100		1000	2050		ug/L		98	76 - 121
2-Hexanone	ND	F1	5000	3210	F1	ug/L		64	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		5000	4280		ug/L		86	71 - 125
Acetone	ND		5000	3740		ug/L		75	56 - 142
Benzene	ND	F2	1000	1000		ug/L		100	71 - 124
Bromoform	ND	F2	1000	737		ug/L		74	61 - 132
Bromomethane	ND	F2	1000	1030		ug/L		103	55 - 144
Carbon disulfide	ND	F2	1000	1190		ug/L		119	59 - 134
Carbon tetrachloride	ND	F2	1000	1210		ug/L		121	72 - 134
Chlorobenzene	ND	F1	1000	956		ug/L		96	80 - 120
Chlorodibromomethane	ND		1000	884		ug/L		88	75 - 125
Chloroethane	ND	F2	1000	1050		ug/L		105	69 - 136
Chloroform	ND	F2	1000	1080		ug/L		108	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: 480-178549-2 MS

Matrix: Water

Analysis Batch: 560918

Client Sample ID: MW-13R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	F2	1000	1020		ug/L		102	68 - 124
cis-1,2-Dichloroethene	ND	F2	1000	1140		ug/L		114	74 - 124
cis-1,3-Dichloropropene	ND	F1	1000	634	F1	ug/L		63	74 - 124
Cyclohexane	ND	F2	1000	1180		ug/L		118	59 - 135
Bromodichloromethane	ND		1000	940		ug/L		94	80 - 122
Dichlorofluoromethane	ND	F2	1000	1160		ug/L		116	76 - 127
Ethylbenzene	ND	F2	1000	1040		ug/L		104	77 - 123
Isopropylbenzene	ND	F2	1000	1170		ug/L		117	77 - 122
Methyl acetate	ND	F1	2000	1430	F1	ug/L		71	74 - 133
Methyl tert-butyl ether	ND		1000	1130		ug/L		113	77 - 120
Methylcyclohexane	ND	F2	1000	1160		ug/L		116	68 - 134
Methylene Chloride	ND	F1 F2	1000	1250	F1	ug/L		125	75 - 124
Styrene	ND	F2	1000	1050		ug/L		105	80 - 120
Tetrachloroethene	ND	F2	1000	1020		ug/L		102	74 - 122
Toluene	ND	F1 F2	1000	990		ug/L		99	80 - 122
trans-1,2-Dichloroethene	ND	F2	1000	1180		ug/L		118	73 - 127
trans-1,3-Dichloropropene	ND	F1	1000	626	F1	ug/L		63	80 - 120
Trichloroethene	ND		1000	905		ug/L		90	74 - 123
Trichlorofluoromethane	ND	F2	1000	1240		ug/L		124	62 - 150
Vinyl chloride	ND	F2	1000	1100		ug/L		110	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	113		75 - 123

Lab Sample ID: 480-178549-2 MSD

Matrix: Water

Analysis Batch: 560918

Client Sample ID: MW-13R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
1,1,1-Trichloroethane	ND	F2	1000	902	F2	ug/L		90	73 - 126	31	15
1,1,2,2-Tetrachloroethane	ND		1000	792		ug/L		79	76 - 120	14	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F2	1000	849	F2	ug/L		85	61 - 148	34	20
1,1,2-Trichloroethane	ND		1000	763		ug/L		76	76 - 122	14	15
1,1-Dichloroethane	ND	F2	1000	869	F2	ug/L		87	77 - 120	29	20
1,2,4-Trichlorobenzene	ND	F2	1000	883	F2	ug/L		88	79 - 122	22	20
1,2-Dibromo-3-Chloropropane	ND	F2	1000	655	F2	ug/L		65	56 - 134	18	15
1,2-Dibromoethane	ND	F1	1000	761	F1	ug/L		76	77 - 120	10	15
1,2-Dichlorobenzene	ND	F2	1000	849	F2	ug/L		85	80 - 124	22	20
1,2-Dichloroethane	ND		1000	837		ug/L		84	75 - 120	15	20
1,2-Dichloropropane	ND		1000	783		ug/L		78	76 - 120	17	20
1,3-Dichlorobenzene	ND		1000	813		ug/L		81	77 - 120	18	20
1,4-Dichlorobenzene	ND		1000	789		ug/L		79	78 - 124	15	20
2-Butanone (MEK)	ND		5000	3080		ug/L		62	57 - 140	2	20
o-Chlorotoluene	1100		1000	1880		ug/L		81	76 - 121	9	20
2-Hexanone	ND	F1	5000	2950	F1	ug/L		59	65 - 127	9	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: 480-178549-2 MSD

Matrix: Water

Analysis Batch: 560918

Client Sample ID: MW-13R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		5000	3560		ug/L		71	71 - 125	18	35
Acetone	ND		5000	3360		ug/L		67	56 - 142	11	15
Benzene	ND	F2	1000	816	F2	ug/L		82	71 - 124	21	13
Bromoform	ND	F2	1000	620	F2	ug/L		62	61 - 132	17	15
Bromomethane	ND	F2	1000	747	F2	ug/L		75	55 - 144	32	15
Carbon disulfide	ND	F2	1000	875	F2	ug/L		88	59 - 134	31	15
Carbon tetrachloride	ND	F2	1000	908	F2	ug/L		91	72 - 134	29	15
Chlorobenzene	ND	F1	1000	794	F1	ug/L		79	80 - 120	19	25
Chlorodibromomethane	ND		1000	780		ug/L		78	75 - 125	13	15
Chloroethane	ND	F2	1000	800	F2	ug/L		80	69 - 136	27	15
Chloroform	ND	F2	1000	839	F2	ug/L		84	73 - 127	25	20
Chloromethane	ND	F2	1000	735	F2	ug/L		74	68 - 124	33	15
cis-1,2-Dichloroethene	ND	F2	1000	867	F2	ug/L		87	74 - 124	27	15
cis-1,3-Dichloropropene	ND	F1	1000	620	F1	ug/L		62	74 - 124	2	15
Cyclohexane	ND	F2	1000	873	F2	ug/L		87	59 - 135	30	20
Bromodichloromethane	ND		1000	826		ug/L		83	80 - 122	13	15
Dichlorofluoromethane	ND	F2	1000	854	F2	ug/L		85	76 - 127	30	20
Ethylbenzene	ND	F2	1000	827	F2	ug/L		83	77 - 123	23	15
Isopropylbenzene	ND	F2	1000	902	F2	ug/L		90	77 - 122	26	20
Methyl acetate	ND	F1	2000	1360	F1	ug/L		68	74 - 133	5	20
Methyl tert-butyl ether	ND		1000	863		ug/L		86	77 - 120	27	37
Methylcyclohexane	ND	F2	1000	858	F2	ug/L		86	68 - 134	30	20
Methylene Chloride	ND	F1 F2	1000	936	F2	ug/L		94	75 - 124	28	15
Styrene	ND	F2	1000	852	F2	ug/L		85	80 - 120	21	20
Tetrachloroethene	ND	F2	1000	825	F2	ug/L		82	74 - 122	21	20
Toluene	ND	F1 F2	1000	788	F1 F2	ug/L		79	80 - 122	23	15
trans-1,2-Dichloroethene	ND	F2	1000	889	F2	ug/L		89	73 - 127	28	20
trans-1,3-Dichloropropene	ND	F1	1000	611	F1	ug/L		61	80 - 120	2	15
Trichloroethene	ND		1000	806		ug/L		81	74 - 123	12	16
Trichlorofluoromethane	ND	F2	1000	915	F2	ug/L		91	62 - 150	30	20
Vinyl chloride	ND	F2	1000	820	F2	ug/L		82	65 - 133	29	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-561044/7

Matrix: Water

Analysis Batch: 561044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/27/20 11:13	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/27/20 11:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/27/20 11:13	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/27/20 11:13	1
1,1-Dichloroethane	ND		5.0		ug/L			11/27/20 11:13	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: MB 480-561044/7

Matrix: Water

Analysis Batch: 561044

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/27/20 11:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/27/20 11:13	1
1,2-Dibromoethane	ND		5.0		ug/L			11/27/20 11:13	1
1,2-Dichlorobenzene	ND		5.0		ug/L			11/27/20 11:13	1
1,2-Dichloroethane	ND		5.0		ug/L			11/27/20 11:13	1
1,2-Dichloropropane	ND		5.0		ug/L			11/27/20 11:13	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/27/20 11:13	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/27/20 11:13	1
2-Butanone (MEK)	ND		25		ug/L			11/27/20 11:13	1
o-Chlorotoluene	ND		5.0		ug/L			11/27/20 11:13	1
2-Hexanone	ND		25		ug/L			11/27/20 11:13	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/27/20 11:13	1
Acetone	ND		25		ug/L			11/27/20 11:13	1
Benzene	ND		5.0		ug/L			11/27/20 11:13	1
Bromoform	ND		5.0		ug/L			11/27/20 11:13	1
Bromomethane	ND		5.0		ug/L			11/27/20 11:13	1
Carbon disulfide	ND		5.0		ug/L			11/27/20 11:13	1
Carbon tetrachloride	ND		5.0		ug/L			11/27/20 11:13	1
Chlorobenzene	ND		5.0		ug/L			11/27/20 11:13	1
Chlorodibromomethane	ND		5.0		ug/L			11/27/20 11:13	1
Chloroethane	ND		5.0		ug/L			11/27/20 11:13	1
Chloroform	ND		5.0		ug/L			11/27/20 11:13	1
Chloromethane	ND		5.0		ug/L			11/27/20 11:13	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 11:13	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 11:13	1
Cyclohexane	ND		5.0		ug/L			11/27/20 11:13	1
Bromodichloromethane	ND		5.0		ug/L			11/27/20 11:13	1
Dichlorofluoromethane	ND		5.0		ug/L			11/27/20 11:13	1
Ethylbenzene	ND		5.0		ug/L			11/27/20 11:13	1
Isopropylbenzene	ND		5.0		ug/L			11/27/20 11:13	1
Methyl acetate	ND		5.0		ug/L			11/27/20 11:13	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/27/20 11:13	1
Methylcyclohexane	ND		5.0		ug/L			11/27/20 11:13	1
Methylene Chloride	ND		5.0		ug/L			11/27/20 11:13	1
Styrene	ND		5.0		ug/L			11/27/20 11:13	1
Tetrachloroethene	ND		5.0		ug/L			11/27/20 11:13	1
Toluene	ND		5.0		ug/L			11/27/20 11:13	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 11:13	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 11:13	1
Trichloroethene	ND		5.0		ug/L			11/27/20 11:13	1
Trichlorofluoromethane	ND		5.0		ug/L			11/27/20 11:13	1
Vinyl chloride	ND		5.0		ug/L			11/27/20 11:13	1
Xylenes, Total	ND		15		ug/L			11/27/20 11:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		11/27/20 11:13	1
Toluene-d8 (Surr)	97		80 - 120		11/27/20 11:13	1
4-Bromofluorobenzene (Surr)	100		73 - 120		11/27/20 11:13	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: MB 480-561044/7

Matrix: Water

Analysis Batch: 561044

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		75 - 123		11/27/20 11:13	1

Lab Sample ID: LCS 480-561044/5

Matrix: Water

Analysis Batch: 561044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.9		ug/L		100	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.8		ug/L		95	61 - 148
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.1		ug/L		96	77 - 120
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	24.1		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	24.6		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,4-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 120
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
o-Chlorotoluene	25.0	25.4		ug/L		102	76 - 121
2-Hexanone	125	114		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromoform	25.0	22.1		ug/L		88	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	23.6		ug/L		95	59 - 134
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chlorodibromomethane	25.0	24.3		ug/L		97	75 - 125
Chloroethane	25.0	23.5		ug/L		94	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	22.0		ug/L		88	74 - 124
Cyclohexane	25.0	24.7		ug/L		99	59 - 135
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Dichlorofluoromethane	25.0	24.9		ug/L		99	76 - 127
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	25.5		ug/L		102	77 - 122
Methyl acetate	50.0	38.1		ug/L		76	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.6		ug/L		98	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: LCS 480-561044/5

Matrix: Water

Analysis Batch: 561044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	23.0		ug/L		92	80 - 120
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	25.9		ug/L		104	62 - 150
Vinyl chloride	25.0	24.8		ug/L		99	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		77 - 120
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: 480-178549-6 MS

Matrix: Water

Analysis Batch: 561044

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	86.6		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	86.3		ug/L		86	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	86.8		ug/L		87	61 - 148
1,1,2-Trichloroethane	ND		100	85.0		ug/L		85	76 - 122
1,1-Dichloroethane	5.7		100	88.8		ug/L		83	77 - 120
1,2,4-Trichlorobenzene	ND		100	81.5		ug/L		81	79 - 122
1,2-Dibromo-3-Chloropropane	ND		100	78.8		ug/L		79	56 - 134
1,2-Dibromoethane	ND		100	87.0		ug/L		87	77 - 120
1,2-Dichlorobenzene	ND		100	83.0		ug/L		83	80 - 124
1,2-Dichloroethane	ND		100	84.7		ug/L		85	75 - 120
1,2-Dichloropropane	ND		100	82.9		ug/L		83	76 - 120
1,3-Dichlorobenzene	ND		100	80.0		ug/L		80	77 - 120
1,4-Dichlorobenzene	ND	F1	100	77.4	F1	ug/L		77	78 - 124
2-Butanone (MEK)	ND		500	397		ug/L		79	57 - 140
o-Chlorotoluene	130	F1	100	189	F1	ug/L		55	76 - 121
2-Hexanone	ND		500	421		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		500	441		ug/L		88	71 - 125
Acetone	ND		500	384		ug/L		77	56 - 142
Benzene	ND		100	84.3		ug/L		84	71 - 124
Bromoform	ND		100	66.9		ug/L		67	61 - 132
Bromomethane	ND		100	78.4		ug/L		78	55 - 144
Carbon disulfide	ND		100	77.0		ug/L		77	59 - 134
Carbon tetrachloride	ND		100	86.2		ug/L		86	72 - 134
Chlorobenzene	ND		100	82.3		ug/L		82	80 - 120
Chlorodibromomethane	ND		100	78.1		ug/L		78	75 - 125
Chloroethane	ND		100	79.5		ug/L		76	69 - 136
Chloroform	ND		100	80.0		ug/L		80	73 - 127
Chloromethane	ND		100	83.0		ug/L		83	68 - 124
cis-1,2-Dichloroethene	ND		100	84.4		ug/L		84	74 - 124
cis-1,3-Dichloropropene	ND	F1	100	73.0	F1	ug/L		73	74 - 124

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: 480-178549-6 MS

Matrix: Water

Analysis Batch: 561044

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	ND		100	88.5		ug/L		88	59 - 135
Bromodichloromethane	ND		100	81.6		ug/L		82	80 - 122
Dichlorofluoromethane	ND		100	84.7		ug/L		85	76 - 127
Ethylbenzene	ND		100	84.1		ug/L		84	77 - 123
Isopropylbenzene	ND		100	84.5		ug/L		85	77 - 122
Methyl acetate	ND	F1	200	122	F1	ug/L		61	74 - 133
Methyl tert-butyl ether	ND		100	82.9		ug/L		83	77 - 120
Methylcyclohexane	ND		100	84.8		ug/L		85	68 - 134
Methylene Chloride	ND		100	87.4		ug/L		87	75 - 124
Styrene	ND		100	87.0		ug/L		87	80 - 120
Tetrachloroethene	ND		100	81.6		ug/L		82	74 - 122
Toluene	ND		100	82.2		ug/L		82	80 - 122
trans-1,2-Dichloroethene	ND		100	84.7		ug/L		85	73 - 127
trans-1,3-Dichloropropene	ND	F1	100	75.7	F1	ug/L		76	80 - 120
Trichloroethene	ND		100	83.8		ug/L		84	74 - 123
Trichlorofluoromethane	ND		100	88.0		ug/L		88	62 - 150
Vinyl chloride	ND		100	83.3		ug/L		83	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	95		75 - 123

Lab Sample ID: 480-178549-6 MSD

Matrix: Water

Analysis Batch: 561044

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	93.4		ug/L		93	73 - 126	8	15
1,1,2,2-Tetrachloroethane	ND		100	92.2		ug/L		92	76 - 120	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	88.5		ug/L		89	61 - 148	2	20
1,1,2-Trichloroethane	ND		100	90.8		ug/L		91	76 - 122	7	15
1,1-Dichloroethane	5.7		100	91.1		ug/L		85	77 - 120	3	20
1,2,4-Trichlorobenzene	ND		100	87.6		ug/L		88	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	ND		100	81.6		ug/L		82	56 - 134	4	15
1,2-Dibromoethane	ND		100	92.1		ug/L		92	77 - 120	6	15
1,2-Dichlorobenzene	ND		100	88.8		ug/L		89	80 - 124	7	20
1,2-Dichloroethane	ND		100	87.9		ug/L		88	75 - 120	4	20
1,2-Dichloropropane	ND		100	87.3		ug/L		87	76 - 120	5	20
1,3-Dichlorobenzene	ND		100	86.5		ug/L		87	77 - 120	8	20
1,4-Dichlorobenzene	ND	F1	100	86.5		ug/L		87	78 - 124	11	20
2-Butanone (MEK)	ND		500	437		ug/L		87	57 - 140	9	20
o-Chlorotoluene	130	F1	100	201	F1	ug/L		67	76 - 121	6	20
2-Hexanone	ND		500	469		ug/L		94	65 - 127	11	15
4-Methyl-2-pentanone (MIBK)	ND		500	459		ug/L		92	71 - 125	4	35
Acetone	ND		500	375		ug/L		75	56 - 142	2	15
Benzene	ND		100	87.7		ug/L		88	71 - 124	4	13

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: 480-178549-6 MSD

Matrix: Water

Analysis Batch: 561044

Client Sample ID: MW-8R

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	ND		100	73.2		ug/L		73	61 - 132	9	15
Bromomethane	ND		100	79.1		ug/L		79	55 - 144	1	15
Carbon disulfide	ND		100	82.3		ug/L		82	59 - 134	7	15
Carbon tetrachloride	ND		100	90.3		ug/L		90	72 - 134	5	15
Chlorobenzene	ND		100	87.6		ug/L		88	80 - 120	6	25
Chlorodibromomethane	ND		100	84.6		ug/L		85	75 - 125	8	15
Chloroethane	ND		100	85.8		ug/L		82	69 - 136	8	15
Chloroform	ND		100	85.0		ug/L		85	73 - 127	6	20
Chloromethane	ND		100	85.3		ug/L		85	68 - 124	3	15
cis-1,2-Dichloroethene	ND		100	87.3		ug/L		87	74 - 124	3	15
cis-1,3-Dichloropropene	ND	F1	100	80.8		ug/L		81	74 - 124	10	15
Cyclohexane	ND		100	93.9		ug/L		94	59 - 135	6	20
Bromodichloromethane	ND		100	86.6		ug/L		87	80 - 122	6	15
Dichlorofluoromethane	ND		100	88.8		ug/L		89	76 - 127	5	20
Ethylbenzene	ND		100	89.3		ug/L		89	77 - 123	6	15
Isopropylbenzene	ND		100	91.8		ug/L		92	77 - 122	8	20
Methyl acetate	ND	F1	200	135	F1	ug/L		68	74 - 133	10	20
Methyl tert-butyl ether	ND		100	82.7		ug/L		83	77 - 120	0	37
Methylcyclohexane	ND		100	91.8		ug/L		92	68 - 134	8	20
Methylene Chloride	ND		100	87.6		ug/L		88	75 - 124	0	15
Styrene	ND		100	93.6		ug/L		94	80 - 120	7	20
Tetrachloroethene	ND		100	89.4		ug/L		89	74 - 122	9	20
Toluene	ND		100	88.3		ug/L		88	80 - 122	7	15
trans-1,2-Dichloroethene	ND		100	88.1		ug/L		88	73 - 127	4	20
trans-1,3-Dichloropropene	ND	F1	100	82.7		ug/L		83	80 - 120	9	15
Trichloroethene	ND		100	89.0		ug/L		89	74 - 123	6	16
Trichlorofluoromethane	ND		100	94.3		ug/L		94	62 - 150	7	20
Vinyl chloride	ND		100	87.6		ug/L		88	65 - 133	5	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	91		75 - 123

Lab Sample ID: MB 480-561080/6

Matrix: Water

Analysis Batch: 561080

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,1,2-Trichloroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,1-Dichloroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			11/27/20 12:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			11/27/20 12:28	1
1,2-Dibromoethane	ND		5.0		ug/L			11/27/20 12:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: MB 480-561080/6

Matrix: Water

Analysis Batch: 561080

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.0		ug/L			11/27/20 12:28	1
1,2-Dichloroethane	ND		5.0		ug/L			11/27/20 12:28	1
1,2-Dichloropropane	ND		5.0		ug/L			11/27/20 12:28	1
1,3-Dichlorobenzene	ND		5.0		ug/L			11/27/20 12:28	1
1,4-Dichlorobenzene	ND		5.0		ug/L			11/27/20 12:28	1
2-Butanone (MEK)	ND		25		ug/L			11/27/20 12:28	1
o-Chlorotoluene	ND		5.0		ug/L			11/27/20 12:28	1
2-Hexanone	ND		25		ug/L			11/27/20 12:28	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			11/27/20 12:28	1
Acetone	ND		25		ug/L			11/27/20 12:28	1
Benzene	ND		5.0		ug/L			11/27/20 12:28	1
Bromoform	ND		5.0		ug/L			11/27/20 12:28	1
Bromomethane	ND		5.0		ug/L			11/27/20 12:28	1
Carbon disulfide	ND		5.0		ug/L			11/27/20 12:28	1
Carbon tetrachloride	ND		5.0		ug/L			11/27/20 12:28	1
Chlorobenzene	ND		5.0		ug/L			11/27/20 12:28	1
Chlorodibromomethane	ND		5.0		ug/L			11/27/20 12:28	1
Chloroethane	ND		5.0		ug/L			11/27/20 12:28	1
Chloroform	ND		5.0		ug/L			11/27/20 12:28	1
Chloromethane	ND		5.0		ug/L			11/27/20 12:28	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 12:28	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 12:28	1
Cyclohexane	ND		5.0		ug/L			11/27/20 12:28	1
Bromodichloromethane	ND		5.0		ug/L			11/27/20 12:28	1
Dichlorofluoromethane	ND		5.0		ug/L			11/27/20 12:28	1
Ethylbenzene	ND		5.0		ug/L			11/27/20 12:28	1
Isopropylbenzene	ND		5.0		ug/L			11/27/20 12:28	1
Methyl acetate	ND		5.0		ug/L			11/27/20 12:28	1
Methyl tert-butyl ether	ND		5.0		ug/L			11/27/20 12:28	1
Methylcyclohexane	ND		5.0		ug/L			11/27/20 12:28	1
Methylene Chloride	ND		5.0		ug/L			11/27/20 12:28	1
Styrene	ND		5.0		ug/L			11/27/20 12:28	1
Tetrachloroethene	ND		5.0		ug/L			11/27/20 12:28	1
Toluene	ND		5.0		ug/L			11/27/20 12:28	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			11/27/20 12:28	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			11/27/20 12:28	1
Trichloroethene	ND		5.0		ug/L			11/27/20 12:28	1
Trichlorofluoromethane	ND		5.0		ug/L			11/27/20 12:28	1
Vinyl chloride	ND		5.0		ug/L			11/27/20 12:28	1
Xylenes, Total	ND		15		ug/L			11/27/20 12:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/27/20 12:28	1
Toluene-d8 (Surr)	103		80 - 120		11/27/20 12:28	1
4-Bromofluorobenzene (Surr)	107		73 - 120		11/27/20 12:28	1
Dibromofluoromethane (Surr)	100		75 - 123		11/27/20 12:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: LCS 480-561080/4

Matrix: Water

Analysis Batch: 561080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	29.6		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.2		ug/L		125	61 - 148
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	28.4		ug/L		114	77 - 120
1,2,4-Trichlorobenzene	25.0	25.6		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.3		ug/L		113	56 - 134
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
o-Chlorotoluene	25.0	26.0		ug/L		104	76 - 121
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	143		ug/L		114	56 - 142
Benzene	25.0	25.6		ug/L		103	71 - 124
Bromoform	25.0	29.9		ug/L		120	61 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon disulfide	25.0	31.8		ug/L		127	59 - 134
Carbon tetrachloride	25.0	32.1		ug/L		129	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Chlorodibromomethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	27.8		ug/L		111	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	29.5		ug/L		118	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.6		ug/L		107	74 - 124
Cyclohexane	25.0	29.8		ug/L		119	59 - 135
Bromodichloromethane	25.0	26.8		ug/L		107	80 - 122
Dichlorofluoromethane	25.0	28.7		ug/L		115	76 - 127
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Isopropylbenzene	25.0	25.9		ug/L		104	77 - 122
Methyl acetate	50.0	53.5		ug/L		107	74 - 133
Methyl tert-butyl ether	25.0	27.6		ug/L		110	77 - 120
Methylcyclohexane	25.0	30.6		ug/L		123	68 - 134
Methylene Chloride	25.0	28.6		ug/L		115	75 - 124
Styrene	25.0	26.0		ug/L		104	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	28.4		ug/L		114	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	27.1		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	30.7		ug/L		123	62 - 150
Vinyl chloride	25.0	29.8		ug/L		119	65 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-178549-1

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

Lab Sample ID: LCS 480-561080/4

Matrix: Water

Analysis Batch: 561080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	109		75 - 123

QC Association Summary

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

Job ID: 480-178549-1

GC/MS VOA

Analysis Batch: 560918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178549-2	MW-13R	Total/NA	Water	8260C	
480-178549-3	MW-15R	Total/NA	Water	8260C	
480-178549-4	MW-3S	Total/NA	Water	8260C	
480-178549-5	MW-7R	Total/NA	Water	8260C	
480-178549-6	MW-8R	Total/NA	Water	8260C	
480-178549-7	MW-9R	Total/NA	Water	8260C	
MB 480-560918/7	Method Blank	Total/NA	Water	8260C	
LCS 480-560918/5	Lab Control Sample	Total/NA	Water	8260C	
480-178549-2 MS	MW-13R	Total/NA	Water	8260C	
480-178549-2 MSD	MW-13R	Total/NA	Water	8260C	

Analysis Batch: 561044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178549-1	DUP	Total/NA	Water	8260C	
480-178549-6 - DL	MW-8R	Total/NA	Water	8260C	
MB 480-561044/7	Method Blank	Total/NA	Water	8260C	
LCS 480-561044/5	Lab Control Sample	Total/NA	Water	8260C	
480-178549-6 MS	MW-8R	Total/NA	Water	8260C	
480-178549-6 MSD	MW-8R	Total/NA	Water	8260C	

Analysis Batch: 561080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178549-8	Trip Blank	Total/NA	Water	8260C	
MB 480-561080/6	Method Blank	Total/NA	Water	8260C	
LCS 480-561080/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-178549-1

Client Sample ID: DUP

Date Collected: 11/20/20 09:10

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	561044	11/27/20 15:43	RJF	TAL BUF

Client Sample ID: MW-13R

Date Collected: 11/20/20 10:09

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	560918	11/25/20 23:16	RJF	TAL BUF

Client Sample ID: MW-15R

Date Collected: 11/20/20 08:55

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560918	11/25/20 23:40	RJF	TAL BUF

Client Sample ID: MW-3S

Date Collected: 11/20/20 15:40

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2000	560918	11/26/20 00:05	RJF	TAL BUF

Client Sample ID: MW-7R

Date Collected: 11/20/20 14:31

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560918	11/26/20 00:30	RJF	TAL BUF

Client Sample ID: MW-8R

Date Collected: 11/20/20 12:00

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	560918	11/26/20 00:55	RJF	TAL BUF
Total/NA	Analysis	8260C	DL	4	561044	11/27/20 16:07	RJF	TAL BUF

Client Sample ID: MW-9R

Date Collected: 11/20/20 13:10

Date Received: 11/21/20 10:00

Lab Sample ID: 480-178549-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	560918	11/26/20 01:20	RJF	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-178549-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-178549-8

Date Collected: 11/20/20 00:00

Matrix: Water

Date Received: 11/21/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	561080	11/27/20 13:01	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-178549-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Dichlorofluoromethane

Method Summary

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

Job ID: 480-178549-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

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


Job ID: 480-178549-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178549-1	DUP	Water	11/20/20 09:10	11/21/20 10:00	
480-178549-2	MW-13R	Water	11/20/20 10:09	11/21/20 10:00	
480-178549-3	MW-15R	Water	11/20/20 08:55	11/21/20 10:00	
480-178549-4	MW-3S	Water	11/20/20 15:40	11/21/20 10:00	
480-178549-5	MW-7R	Water	11/20/20 14:31	11/21/20 10:00	
480-178549-6	MW-8R	Water	11/20/20 12:00	11/21/20 10:00	
480-178549-7	MW-9R	Water	11/20/20 13:10	11/21/20 10:00	
480-178549-8	Trip Blank	Water	11/20/20 00:00	11/21/20 10:00	

Chain of Custody Record

Client Information		Sampler: <i>S. Connelly</i>		Lab PM: Cisneros, Roxanne	Carrier Tracking No(s):	COC No: 480-149941-30197.1
Client Contact: Chad Moose		Phone:		E-Mail: roxanne.cisneros@Eurofinset.com	Page: 1 of 1	
Company: Waste Management		Due Date Requested:		Analysis Requested		
Address: Tullytown Landfill 444 Oxford Valley Road		TAT Requested (days): <i>STD</i>		Preservation Codes:		
City: Morrisville		PO #: 5070005494		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S Q - Na2SO3 E - NaHSO4 F - MeOH G - Anchor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA W - pH 4-5 U - Acetone V - MCAA Z - other (specify)		
Phone: 215-269-2114(Tel) 215-699-8315(Fax)		WO #: 48002447		Other:		
Email: cmoose@wm.com		Project #:		Total Number of Containers		
Chem Trol Site/NY22 Event Desc: ChemTrol Annual Groundwater		SSOW#:		Special Instructions/Note:		
Site: New York						

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Volatiles
Trip Blank	11/20/20	-	-	Water	X	X	A
DUP	11/20/20	0910	G	Water			3
MW-13R	11/20/20	1009	G	Water			3
MW-15R	11/20/20	0855	G	Water			3
MW-3S	11/20/20	1540	G	Water			3
MW-7R	11/20/20	1431	G	Water			3
MW-8R	11/20/20	1200	G	Water			3
MW-9R	11/20/20	1310	G	Water			3



480-178549 Chain of Custody

Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Polson B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: <i>P. P. [Signature]</i> Date: 11/20/20		Method of Shipment:	
Relinquished by: <i>P. P. [Signature]</i> Date/Time: 11/20/20 1644 Company: <i>TA</i>		Date/Time: 11/20/20 1644 Company:	
Relinquished by: Date/Time: Company:		Date/Time: Company:	
Relinquished by: Date/Time: Company:		Date/Time: Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>2.7 #1 ICE</i>	

ATTACHMENT C

Historical Data Trend Plots

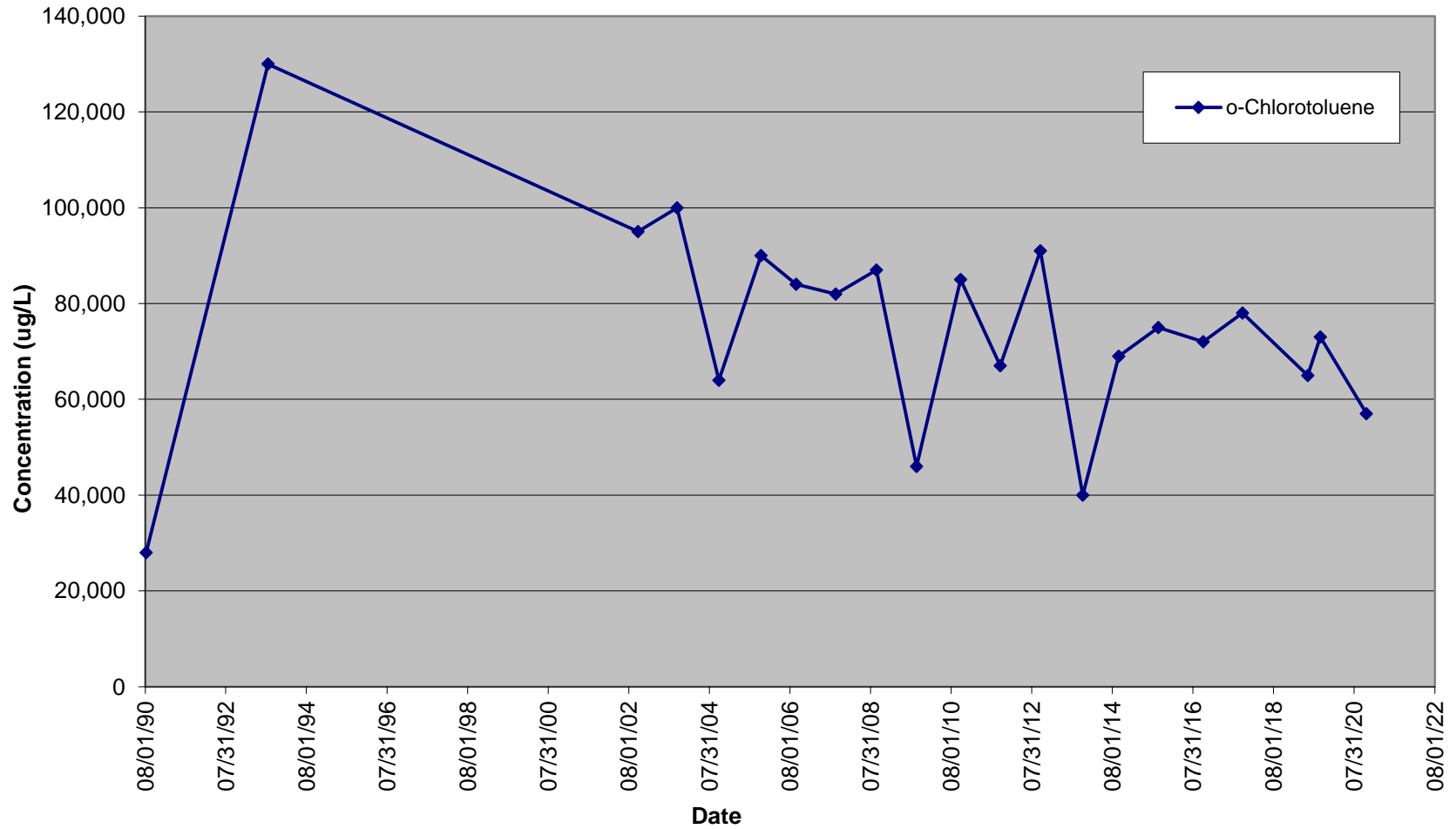
CHEM-TROL SITE

Groundwater Analytical Data for Well MW-3S (ug/L)

Date	o-Chlorotoluene
08/09/90	28,000
08/19/93	130,000
10/23/02	95,000
10/13/03	100,000
10/26/04	64,000
11/11/05	90,000
09/27/06	84,000
09/20/07	82,000
09/24/08	87,000
09/22/09	46,000
10/27/10	85,000
10/20/11	67,000
10/17/12	91,000
11/05/13	40,000
09/29/14	69,000
09/23/15	75,000
11/02/16	72,000
10/25/17	78,000
06/07/19	65,000
09/30/19	73,000
11/20/20	57,000

Note: Data not collected 10/30/18 due to the well being dry; as a result, 2018 annual sample collected 06/07/19.

Monitoring Well MW-3S
Chem-Trol Site, Site No. 915015



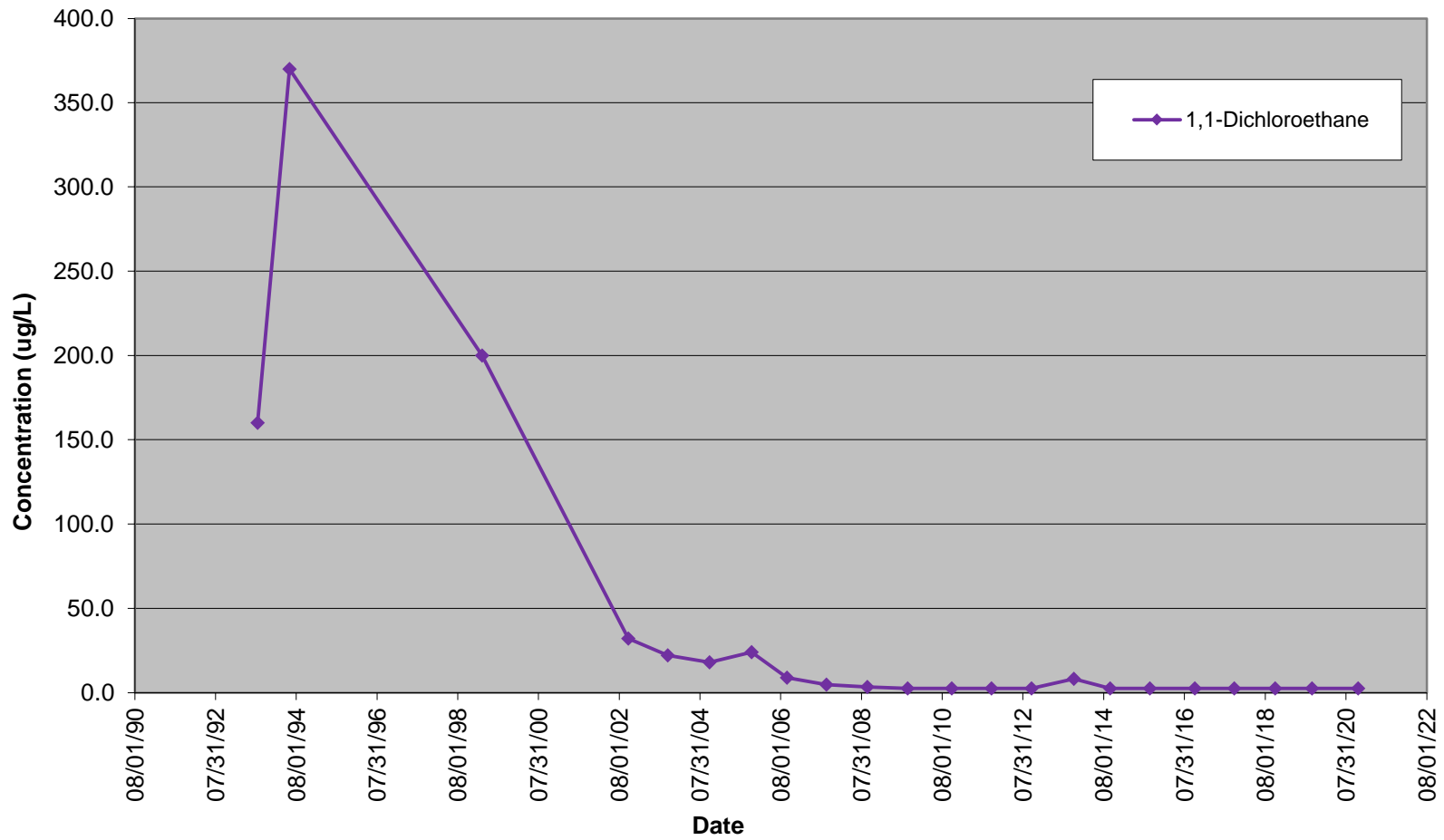
CHEM-TROL SITE

Groundwater Analytical Data for Well MW-8R (ug/L)

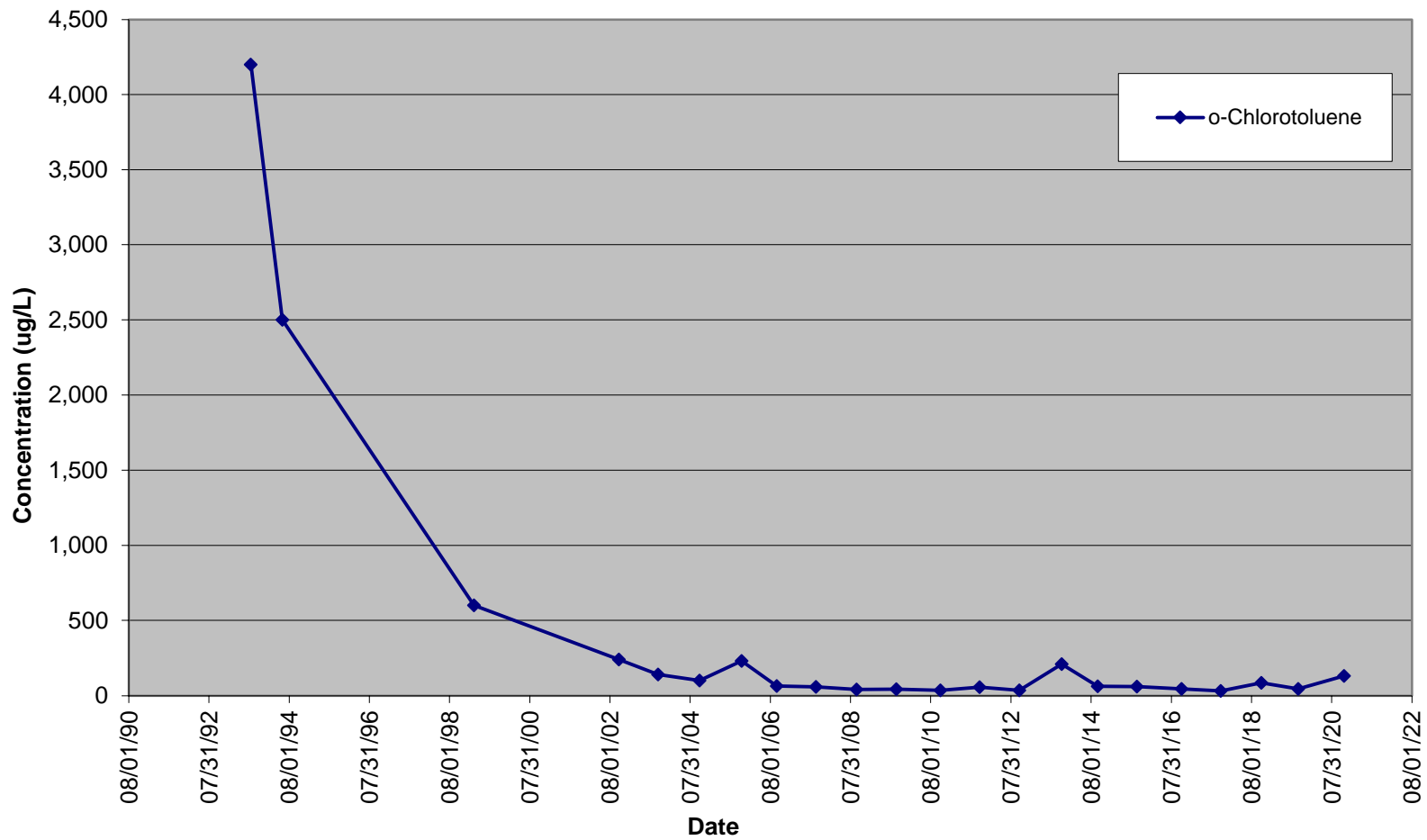
Date	1,1-Dichloroethane	o-Chlorotoluene
08/16/93	160.0	4,200
06/01/94	370.0	2,500
03/10/99	200.0	600.0
10/22/02	32.0	240.0
10/13/03	22.0	140.0
10/26/04	18.0	100.0
11/11/05	24.0	230.0
09/27/06	8.9	63.0
09/20/07	4.7	58.0
09/24/08	3.4	40.0
09/22/09	2.5	43.0
10/27/10	2.5	35.0
10/20/11	2.5	55.0
10/17/12	2.5	34.0
11/05/13	8.2	210.0
09/29/14	2.5	61.0
09/23/15	2.5	59.0
11/02/16	2.5	44.0
10/25/17	2.5	31.0
10/30/18	2.5	85.0
09/30/19	2.5	44.0
11/20/20	2.5	130.0

Value is equal to 1/2 the detection limit.

Monitoring Well MW-8R
Chem-Trol Site, Site No. 915015



Monitoring Well MW-8R
Chem-Trol Site, Site No. 915015



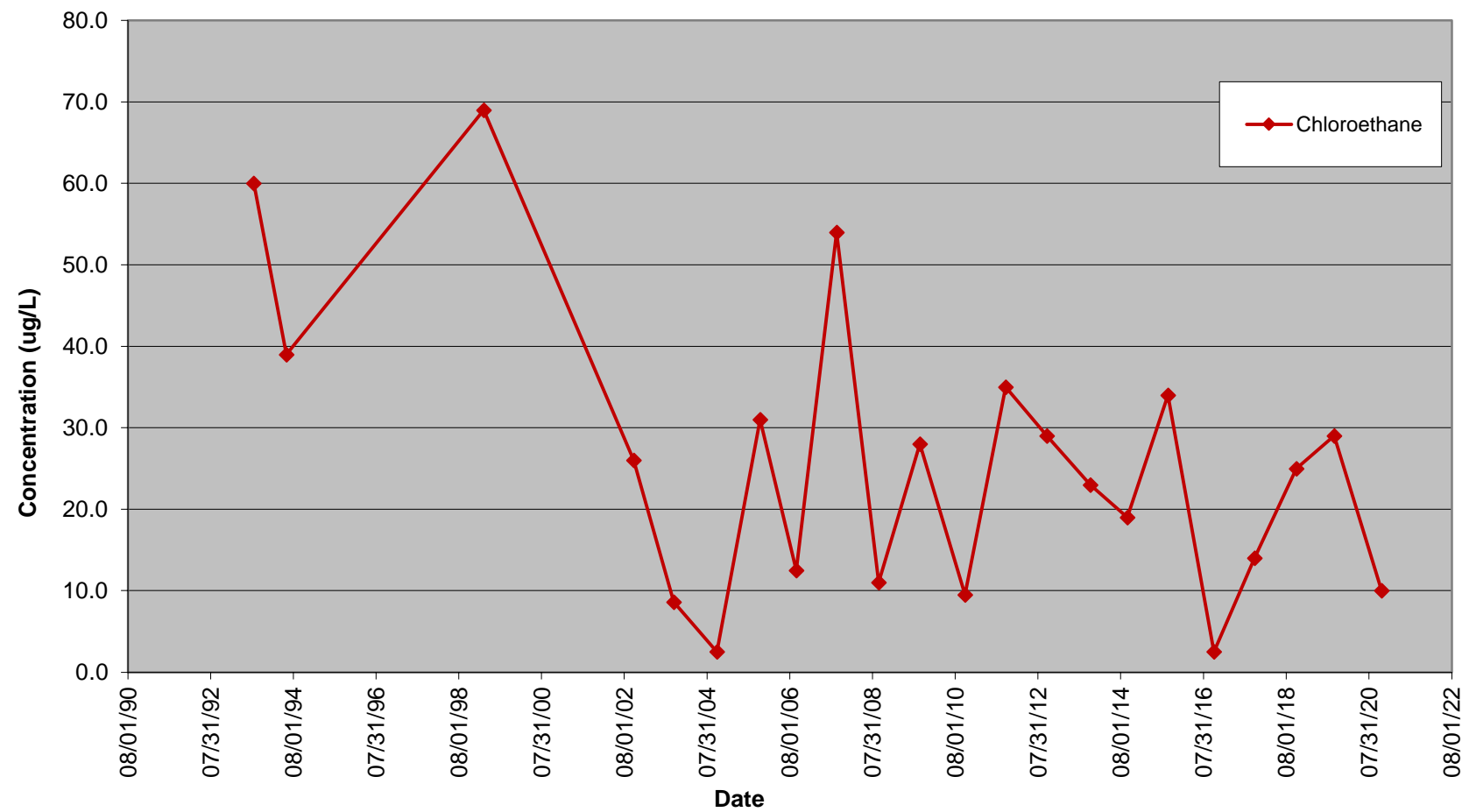
CHEM-TROL SITE

Groundwater Analytical Data for Well MW-9R (ug/L)

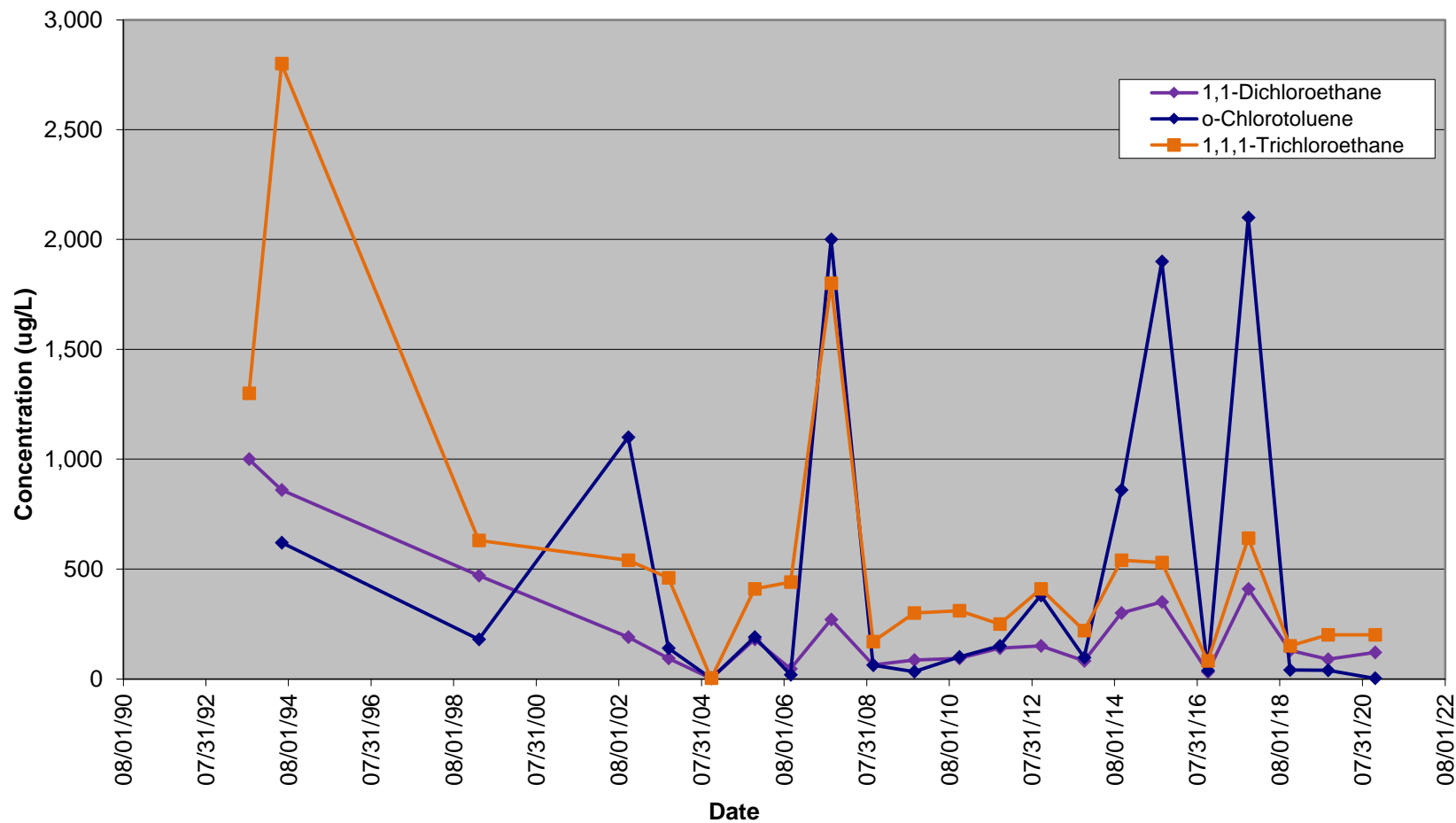
Date	Chloroethane	1,1-Dichloroethane	o-Chlorotoluene	1,1,1-Trichloroethane	Trichloroethene
08/16/93	60.0	1,000		1,300	330.0
06/01/94	39.0	860.0	620.0	2,800	300.0
03/10/99	69.0	470.0	180.0	630.0	260.0
10/22/02	26.0	190.0	1,100	540.0	8.2
10/13/03	8.6	93.0	140.0	460.0	10.0
10/26/04	2.5	2.5	2.5	2.5	2.5
11/11/05	31.0	180.0	190.0	410.0	2.4
09/27/06	12.5	46.0	18.0	440.0	12.5
09/20/07	54.0	270.0	2,000	1,800	5.1
09/24/08	11.0	64.0	62.0	170.0	0.68
09/22/09	28.0	85.0	33.0	300.0	2.5
10/27/10	9.5	93.0	100.0	310.0	2.5
10/20/11	35.0	140.0	150.0	250.0	
10/17/12	29.0	150.0	380.0	410.0	
11/05/13	23.0	82.0	97.0	220.0	2.5
09/29/14	19.0	300.0	860.0	540.0	7.1
09/23/15	34.0	350.0	1900.0	530.0	2.5
11/02/16	2.5	31.0	38.0	82.0	2.5
10/25/17	14.0	410.0	2100.0	640.0	2.5
10/30/18	25.0	130.0	40.0	150.0	2.5
09/30/19	29.0	89.0	39.0	200.0	2.5
11/20/20	10.0	120.0	2.5	200.0	2.5

	Data not included due to 1/2 the detection limit being higher than the previous 3 years of positive results.
	Value is equal to 1/2 the detection limit.

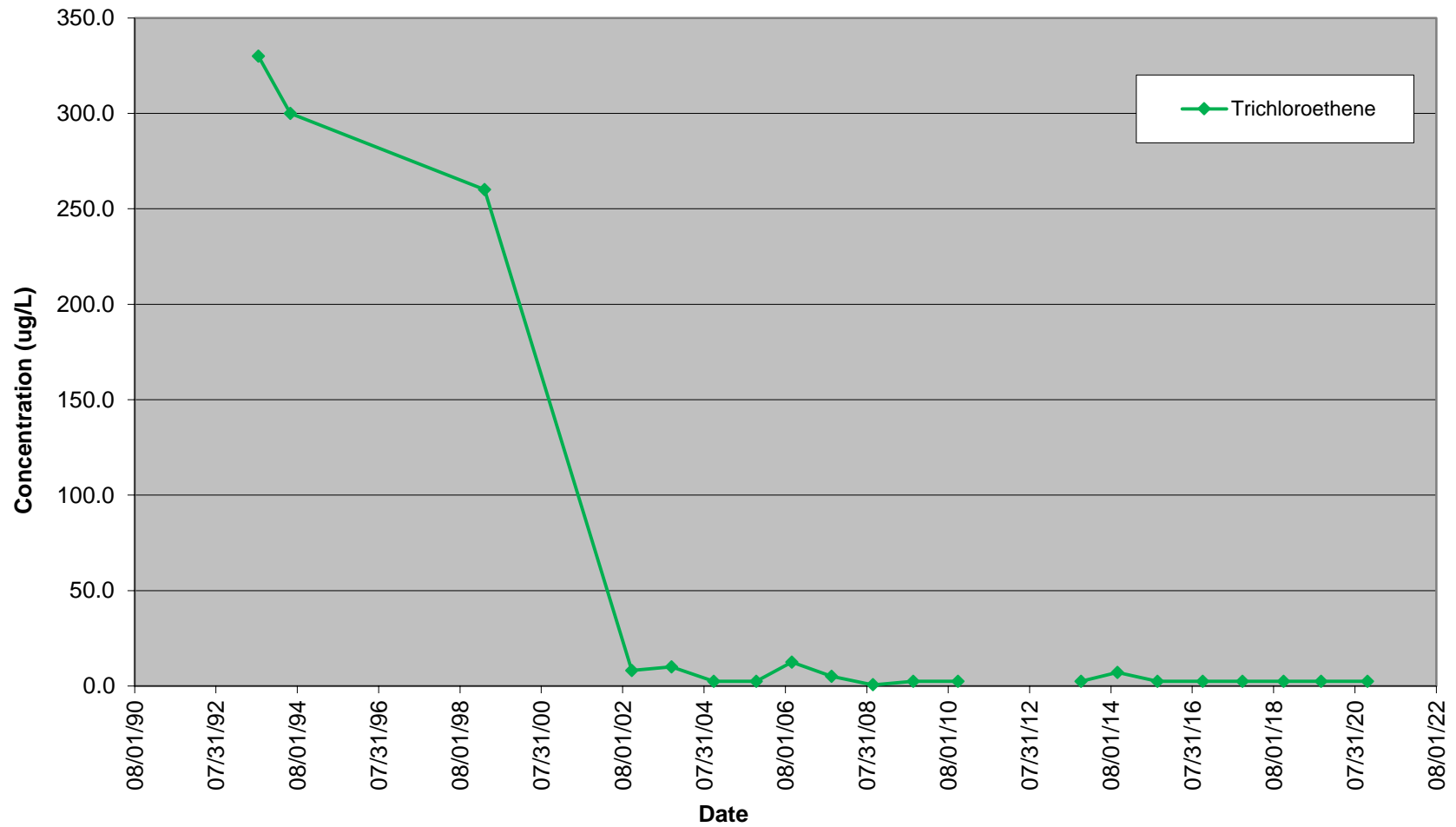
Monitoring Well MW-9R
Chem-Trol Site, Site No. 915015



Monitoring Well MW-9R
Chem-Trol Site, Site No. 915015



Monitoring Well MW-9R
Chem-Trol Site, Site No. 915015



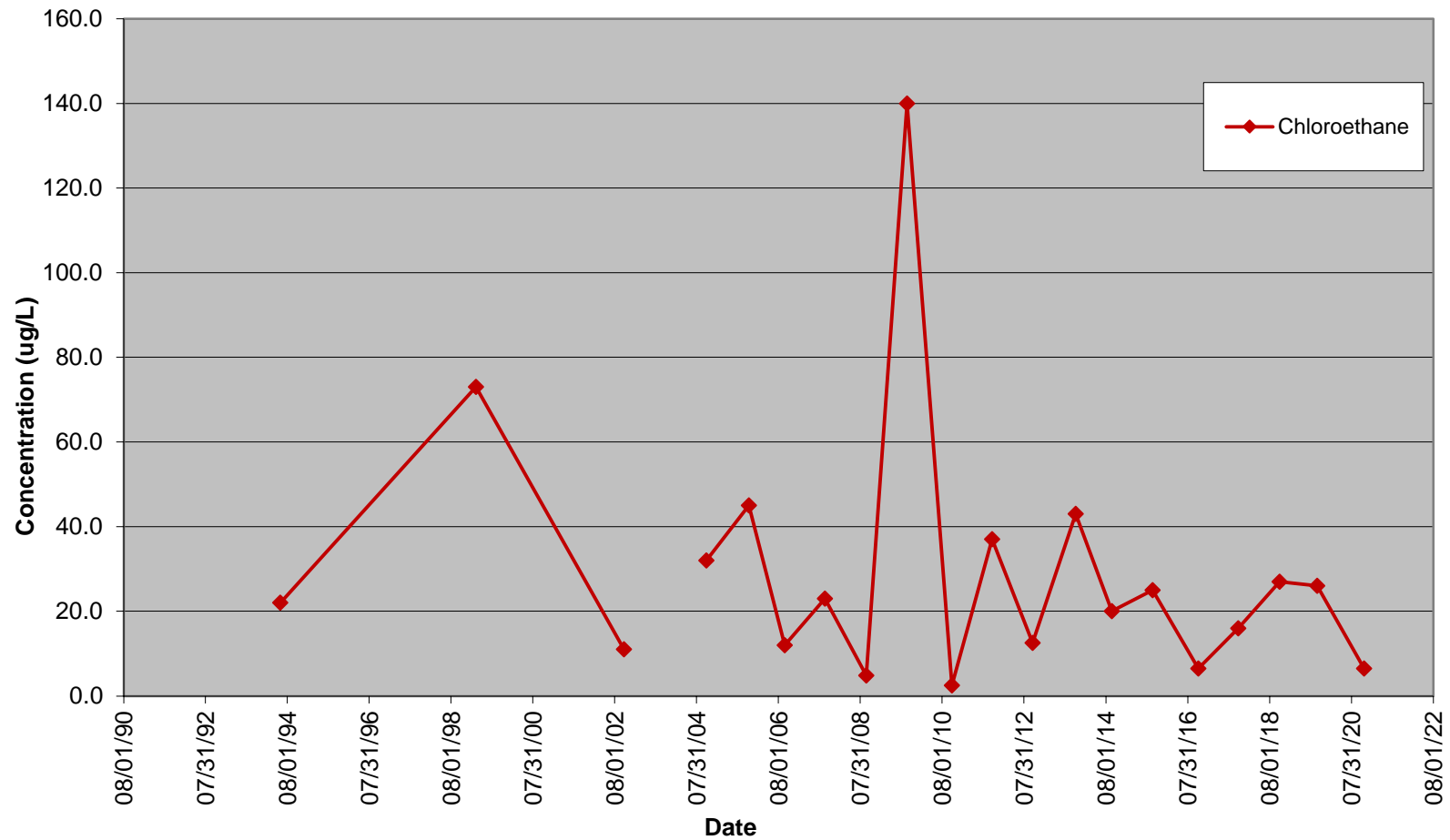
CHEM-TROL SITE

Groundwater Analytical Data for Well MW-13R (ug/L)

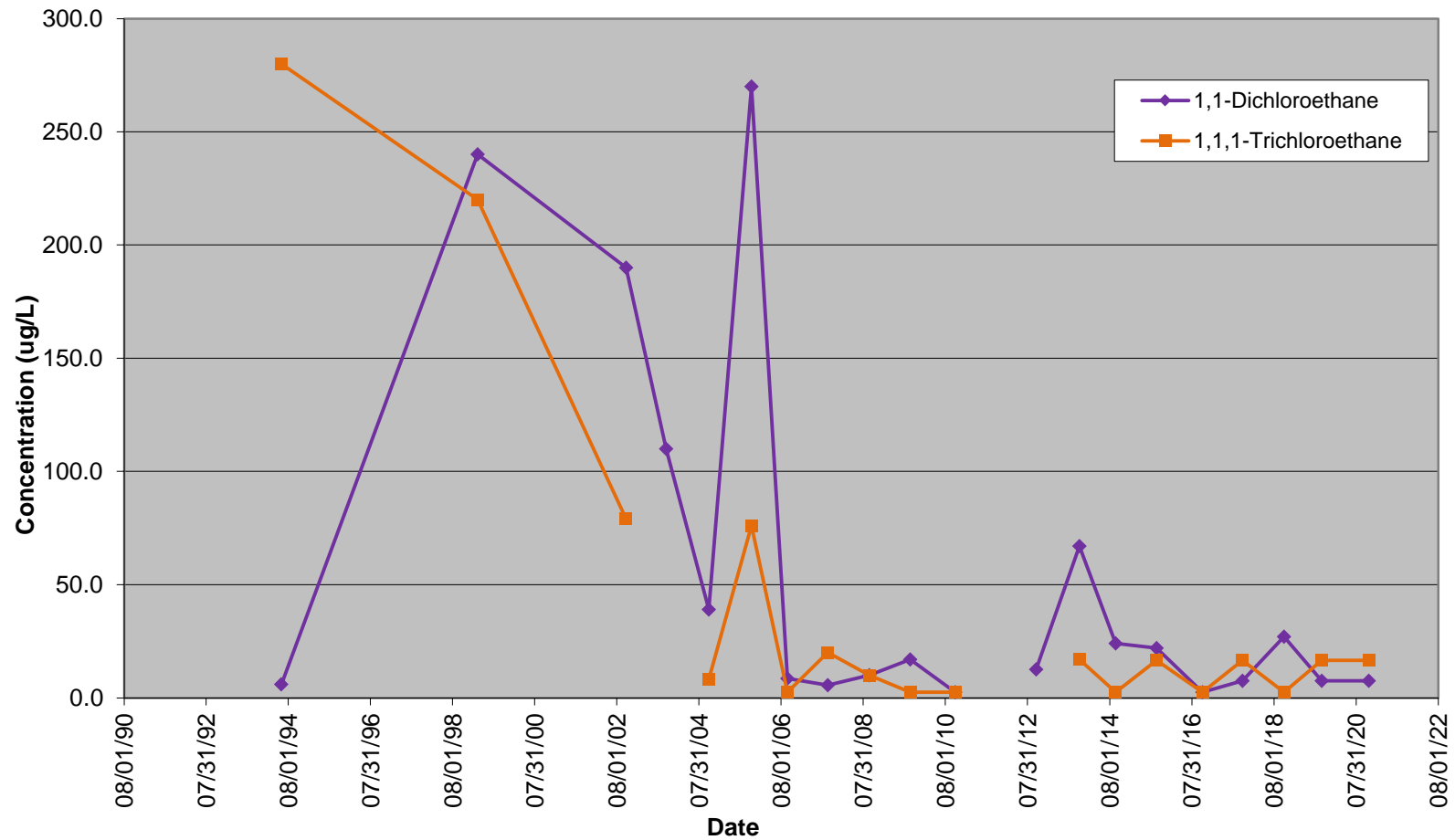
Date	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane	o-Chlorotoluene
05/31/94	22.0	6.0	280.0	1,700
03/11/99	73.0	240.0	220.0	
10/22/02	11.0	190.0	79.0	4,200
10/13/03		110.0		4,500
10/26/04	32.0	39.0	8.2	1,900
11/11/05	45.0	270.0	76.0	4,900
09/27/06	12.0	8.6	2.5	680.0
09/20/07	23.0	5.6	20.0	440.0
09/24/08	4.8	10.0	10.0	250.0
09/22/09	140.0	17.0	2.5	600.0
10/27/10	2.5	2.5	2.5	210.0
10/20/11	37.0			820.0
10/17/12	12.5	12.5		410.0
11/05/13	43.0	67.0	17.0	2,500
09/24/14	20.0	24.0	2.5	2,000
09/23/15	25.0	22.0	16.5	3200
11/02/16	6.5	2.5	2.5	1200
10/25/17	16.0	7.5	16.5	2000
10/30/18	27.0	27.0	2.5	2300
09/30/19	26.0	7.5	16.5	2500
11/20/20	6.5	7.5	16.5	1100

	Data not included due to high detection limits for ND values: (1) 2003 - 200 ug/L except for Total Xylenes, which was 600 ug/L.
	Data not included due to 1/2 the detection limit being higher than the previous 3 years of positive results.
	Value is equal to 1/2 the detection limit.

Monitoring Well MW-13R
Chem-Trol Site, Site No. 915015



Monitoring Well MW-13R
Chem-Trol Site, Site No. 915015



Monitoring Well MW-13R
Chem-Trol Site, Site No. 915015

