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March 10, 2016

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: 2015 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. This report is being submitted as requested by the New York State Department of Environmental Conservation (NYSDEC) in its letter dated January 21, 2016 to Mr. Dave Moreira. The letter provides guidance for preparing the PRR and IC/EC forms and requires that they be submitted to NYSDEC no later than March 16, 2016.

I. INTRODUCTION

The Chem-Trol site is located at 4818 Lake Avenue, Town of Hamburg, in Erie County, New York. Chem-Trol Pollution Services 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 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 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 shallow overburden as well as the deeper 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 5) and TestAmerica Laboratories, Inc. (Amherst, NY) (item 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. Analytical test results show that discharge parameter concentrations in the stripper effluent for 2015 were below the concentration and mass loading discharge limits established by NYSDEC for 12 of 12 months.

Analytical test results for the 2015 monthly aqueous effluent samples are included in the Operation and Maintenance (O&M) reports submitted by AECOM to NYSDEC on a quarterly basis.

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 groundwater elevations measured in the groundwater monitoring wells and piezometers is included in Table 1 - Summary of Groundwater Elevation Measurements 2015. Quarterly groundwater elevation contours are plotted on Figures 2 through 5.

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 July 2002 through December 2015 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.

A summary of VOC detections for the annual 2015 groundwater-sampling event is included as Table 2, Detection Summary. The complete 2015 groundwater sample analytical laboratory report is included as Attachment B. Historical concentration versus time trend plots for monitoring wells MW3S, 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 activities in 2015 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 2015 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 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 performed and reported in the respective quarterly O&M reports this reporting period:

- January 2015 – Replaced air stripper blower motor; failed bearing seal identified January 15, 2015, motor replaced January 23, 2015 and system restarted.
- September 2015 – Unscheduled cleaning of air stripper trays between routine quarterly cleanings to remove iron mineralization buildup on lower trays.

Results of the treatment system performance are discussed in Section III.

V. CONCLUSIONS AND RECOMMENDATIONS

Groundwater Collection and Treatment

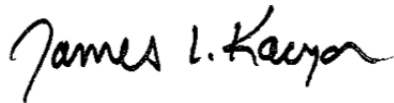
A comparison of the monthly influent vs. effluent analytical test results shows that the groundwater collection and treatment system continues to remove contaminants from groundwater at the Chem-Trol site. A plot of the influent o-chlorotoluene concentration versus time (see Figure 6) indicates that the source contributing to groundwater VOC concentrations has been reduced to where its influence on groundwater has decreased and appears to continue approaching an asymptotic curve.

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.

No changes to the activities currently being performed at the Chem-Trol site are recommended.

Please call the undersigned at AECOM (716-836-4506) or Mr. Dave Moreira (603-929-5446) 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, 2015 Annual Groundwater Data Report, Historical Trend Plots)

cc. Dave Moreira (SC Holdings, Inc.) w/attachments
Daniel Servetas, P.E. (AECOM), w/attachments
60336580 Project File

TABLES

Table 1: Summary of Groundwater Elevations – 2015

Table 2: Groundwater Sample Detection Summary – 2015

Table 1
Chem-Trol Site, Blasdell, NY
Summary of Groundwater Elevation Measurements 2015

Pumping Wells		1Q Date		2Q Date		3Q Date		4Q Date	
		3/13/2015		6/4/2015		9/28/2015		12/17/2015	
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	19.48	604.59	18.40	605.67	24.55	599.52	20.75	603.32
EW-2	622.16	13.56	608.60	14.85	607.31	15.80	606.36	15.60	606.56
EW-3	621.10	12.20	608.90	14.71	606.39	17.06	604.04	16.45	604.65

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	7.76	630.78	8.87	629.67	12.49	626.05	9.38	629.16
MW-6R	638.64	17.05	621.59	17.45	621.19	18.54	620.10	17.68	620.96
P-1S	642.80	4.70	638.10	5.47	637.33	9.30	633.50	5.96	636.84
MW-1R	645.36	6.60	638.76	7.34	638.02	11.12	634.24	7.85	637.51
MW-1S	645.40	4.78	640.62	5.79	639.61	10.74	634.66	6.74	638.66
MW-7S	642.85	3.10	639.75	5.09	637.76	11.03	631.82	5.75	637.10
MW-7R	642.28	3.95	638.33	5.00	637.28	8.74	633.54	6.02	636.26

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	9.31	628.23	11.63	625.91	>13.5	<624.04	12.94	624.60
P-5R	637.88	18.97	618.91	>19.14	<618.73	>20.24	<617.64	19.81	618.07
MW-5S	636.28	11.71	624.57	13.03	623.25	14.00	622.28	12.95	623.33
P-2R	646.96	10.79	636.17	10.27	636.69	13.15	633.81	11.94	635.02
P-2S	646.44	8.28	638.16	8.70	637.74	12.25	634.19	9.41	637.03
MW-2S	644.85	5.85	639.00	6.58	638.27	10.53	634.32	7.09	637.76

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	13.79	623.39	15.13	622.05	>15.36	<621.82	14.90	622.28
MW-4R	637.02	25.70	611.32	27.37	609.65	30.02	607.00	28.62	608.40
P-4S	636.54	15.25	621.29	15.92	620.62	15.95	620.59	15.87	620.67
MW-3S	637.64	17.53	620.11	17.82	619.82	18.56	619.08	17.90	619.74
P-3R	639.92	20.46	619.46	20.35	619.57	20.32	619.60	20.33	619.59
P-3S	639.46	19.23	620.23	19.42	620.04	20.01	619.45	19.52	619.94
OW-3R	638.78	24.44	614.34	24.20	614.58	24.53	614.25	24.35	614.43

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	8.89	611.53	10.56	609.86	13.21	607.21	11.80	608.62
P97-5	613.65	1.80	611.85	4.20	609.45	6.70	606.95	5.34	608.31
MW-10S	615.15	3.43	611.72	5.06	610.09	>5.55	<609.6	>5.55	<609.6
MW-10R	615.47	4.04	611.43	5.24	610.23	8.02	607.45	6.93	608.54
P97-4	614.8	3.51	611.29	5.22	609.58	7.79	607.01	6.40	608.40
MW-8S	617.28	6.90	610.38	>7.2	<610.08	7.30	609.98	>7.25	<610.03
MW-8R	617.38	5.58	611.80	7.63	609.75	10.17	607.21	8.90	608.48
P97-3	617.66	6.08	611.58	7.85	609.81	10.56	607.10	9.17	608.49
MW-9RD	619.13	7.75	611.38	7.61	611.52	7.77	611.36	6.82	612.31
MW-9R	619.17	7.41	611.76	9.30	609.87	12.10	607.07	10.70	608.47
MW-9S	619.91	7.70	612.21	9.40	610.51	>10.35	<609.56	10.23	609.68
OW-2FR	624.14	12.32	611.82	14.21	609.93	17.02	607.12	15.60	608.54
P97-2	619.07	6.66	612.41	7.84	611.23	9.80	609.27	8.91	610.16
P97-1	619.97	6.80	613.17	7.77	612.20	9.11	610.86	8.65	611.32
MW-12R	621.59	10.32	611.27	9.86	611.73	12.16	609.43	11.23	610.36
MW-12S	621.17	3.36	617.81	6.02	615.15	>9.4	<611.77	7.27	613.90

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	4.35	610.79	6.00	609.14	8.35	606.79	7.15	607.99
MW-14R	618.55	6.24	612.31	6.22	612.33	6.50	612.05	6.85	611.70

TABLE 2
Detection Summary

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: DUP

Lab Sample ID: 480-87767-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15		5.0		ug/L	4		8260C	Total/NA
Chloroethane	19		5.0		ug/L	4		8260C	Total/NA
o-Chlorotoluene - DL	2600		34		ug/L	40		8260C	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 480-87767-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	22		15		ug/L	40		8260C	Total/NA
o-Chlorotoluene	3200		34		ug/L	40		8260C	Total/NA
Chloroethane	25		13		ug/L	40		8260C	Total/NA

Client Sample ID: MW-15R

Lab Sample ID: 480-87767-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	68		25		ug/L	1		8260C	Total/NA
Benzene	15		5.0		ug/L	1		8260C	Total/NA
Cyclohexane	98		5.0		ug/L	1		8260C	Total/NA
Ethylbenzene	6.8		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	51		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	62		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 480-87767-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	75000		1700		ug/L	2000		8260C	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 480-87767-5

No Detections.

Client Sample ID: MW-8R

Lab Sample ID: 480-87767-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	59		5.0		ug/L	2		8260C	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 480-87767-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	350		5.0		ug/L	5		8260C	Total/NA
Chloroethane	34		5.0		ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	5.5		5.0		ug/L	5		8260C	Total/NA
1,1,1-Trichloroethane - DL	530		16		ug/L	20		8260C	Total/NA
o-Chlorotoluene - DL	1900		17		ug/L	20		8260C	Total/NA

Client Sample ID: TB

Lab Sample ID: 480-87767-8

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

FIGURES

Figure 1: Site Plan

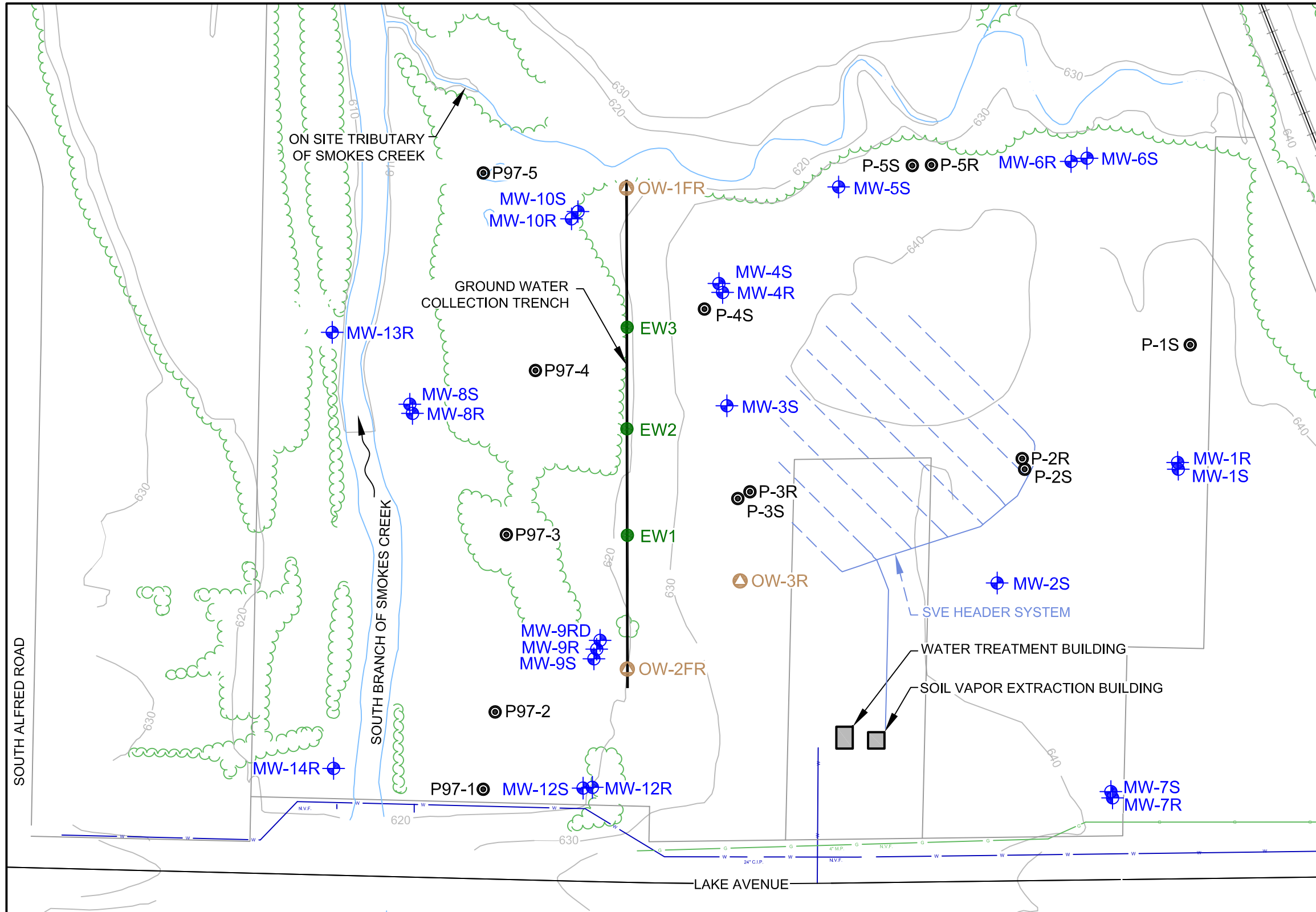
Figure 2: Bedrock Groundwater Contours – March 13, 2015

Figure 3: Bedrock Groundwater Contours – June 04, 2015

Figure 4: Bedrock Groundwater Contours – September 28, 2015

Figure 5: Bedrock Groundwater Contours – December 17, 2015

Figure 6: Influent o-Chlorotoluene Concentration 2003 - 2015

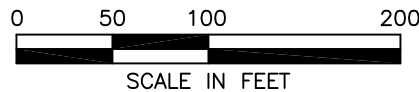


LEGEND:

- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- OBSERVATION WELL LOCATION
- EXTRACTION WELL LOCATION
- EXISTING GROUND CONTOUR
- PROPERTY LINE
- EDGE OF WATER

NOTE:

- BASEMAP AND DATA SHOWN PROVIDED BY MCMAHON & MANN CONSULTING ENGINEERS, P.C., MARCH 2011.



AECOM

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Amherst, New York 14226
T: 716.836.4506

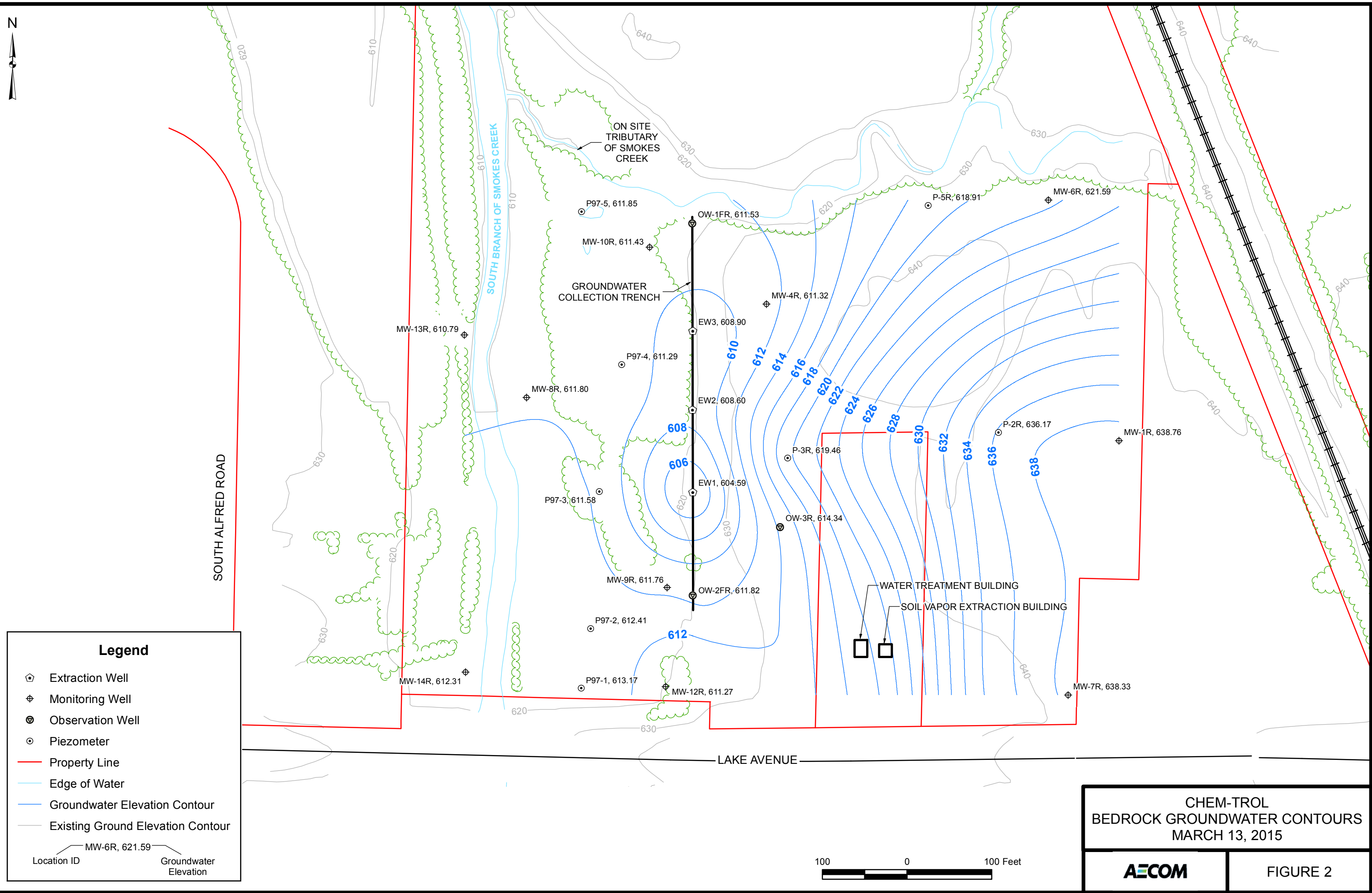
FIGURE 1
SITE PLAN

CHEM-TROL
ERIE COUNTY, NEW YORK

SOURCE: BASEMAP AND DATA SHOWN PROVIDED BY McMahon & Mann Consulting Engineers, P.C., MARCH 2011.

FEBRUARY 2013

60164822





SOUTH ALFRED ROAD

SOUTH BRANCH OF SMOKE CREEK

ON SITE
TRIBUTARY
OF SMOKE
CREEK

GROUNDWATER
COLLECTION
TRENCH

WATER TREATMENT BUILDING

SOIL VAPOR EXTRACTION BUILDING

LAKE AVENUE

Legend

- Extraction Well
- Monitoring Well
- Observation Well
- Piezometer
- Property Line
- Edge of Water
- Groundwater Elevation Contour
- Existing Ground Elevation Contour

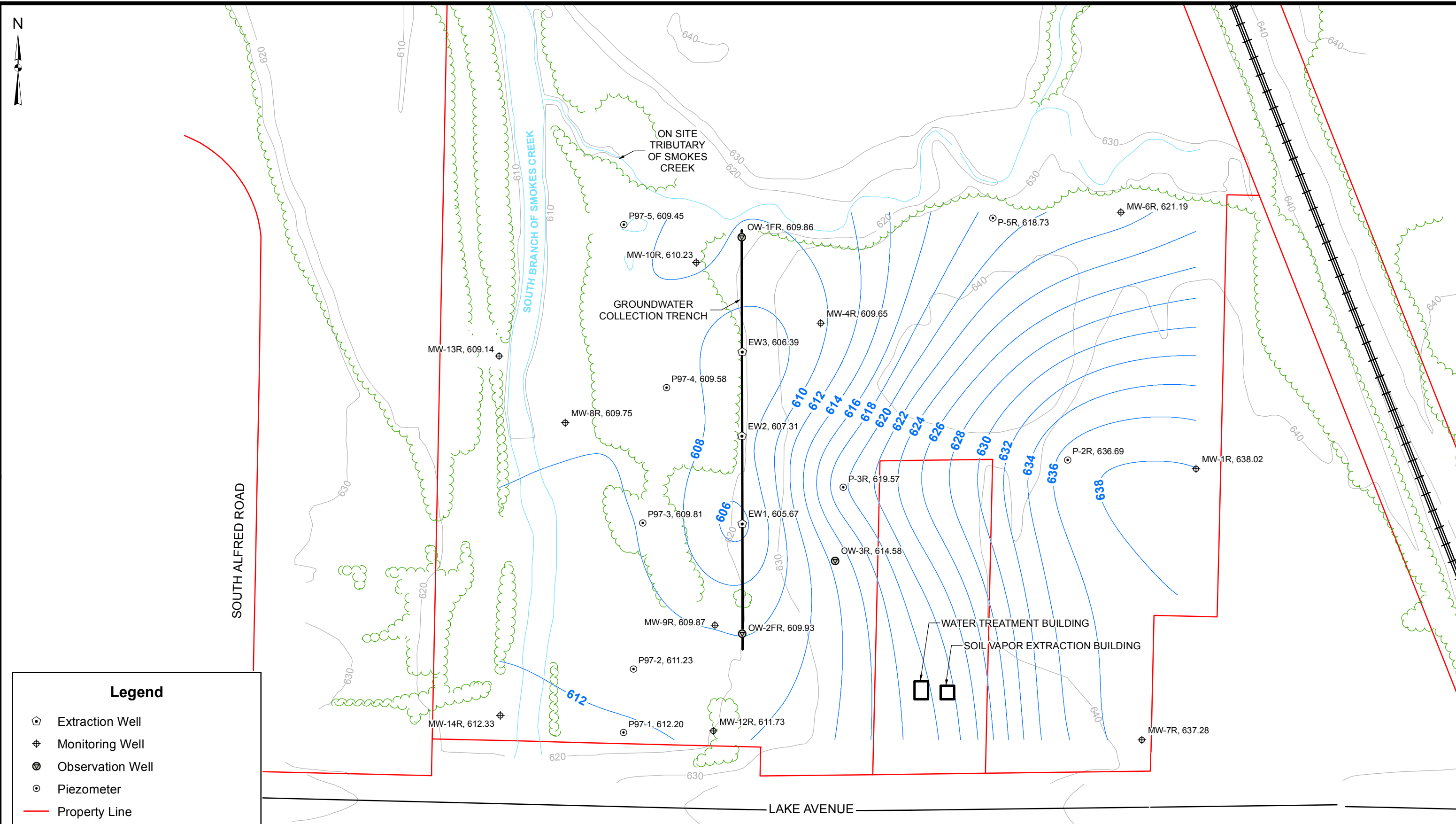
Location ID MW-6R, 621.19 Groundwater Elevation

100 0 100 Feet

CHEM-TROL
BEDROCK GROUNDWATER CONTOURS
JUNE 4, 2015

AECOM

FIGURE 3



J:\Resources\RDMS\Projects\Chem-Trol\Arcmap\THIRD QUARTER 2015 GW CONTOURS.mxd 10/28/2015



SOUTH ALFRED ROAD

SOUTH BRANCH OF SMOKES CREEK

ON SITE
TRIBUTARY
OF SMOKES
CREEK

GROUNDWATER
COLLECTION TRENCH

WATER TREATMENT BUILDING

SOIL VAPOR EXTRACTION BUILDING

LAKE AVENUE

Legend

- Extraction Well
- Monitoring Well
- Observation Well
- Piezometer
- Property Line
- Edge of Water
- Groundwater Elevation Contour
- Existing Ground Elevation Contour

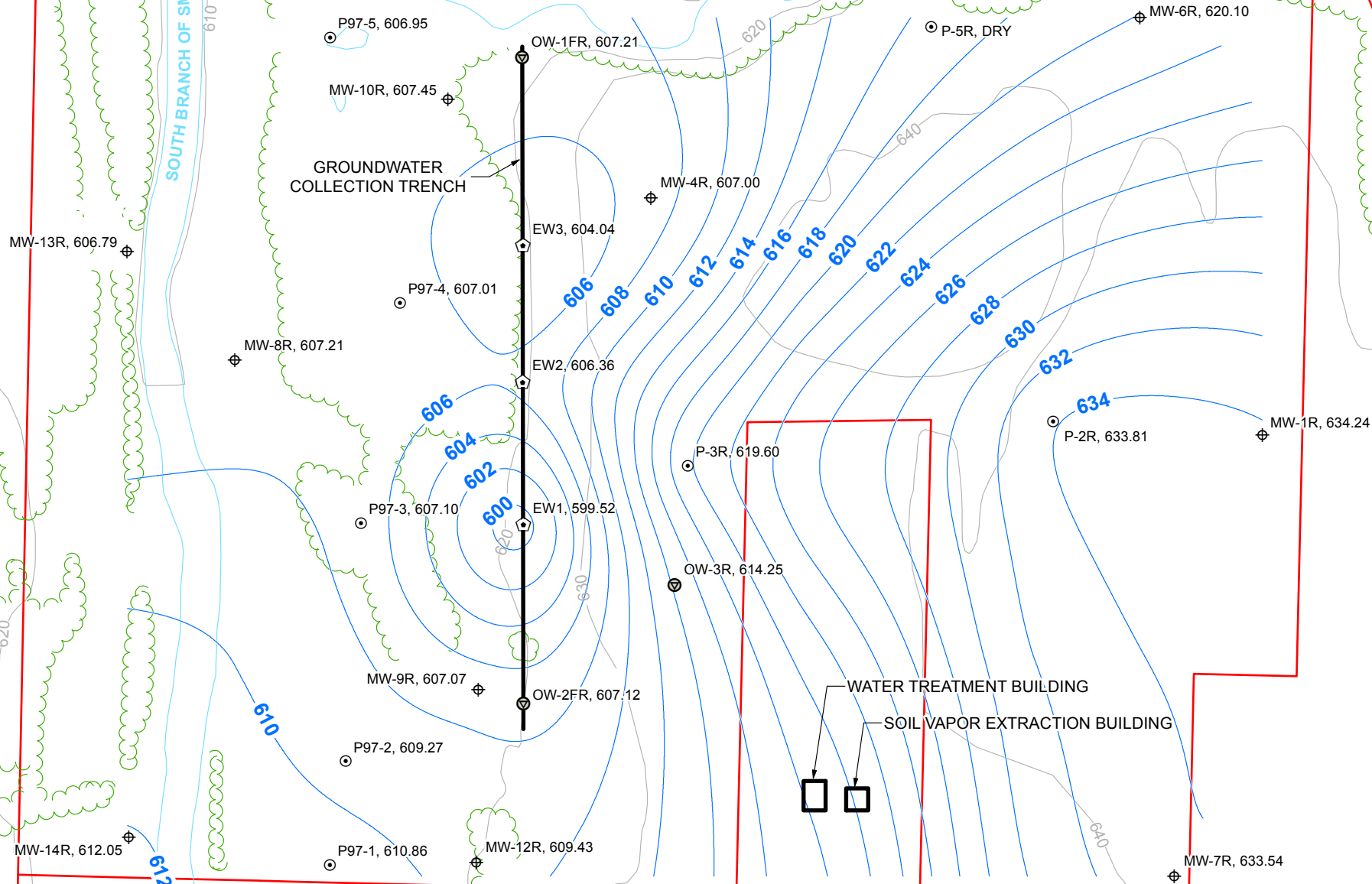
Location ID MW-6R, 620.10 Groundwater Elevation

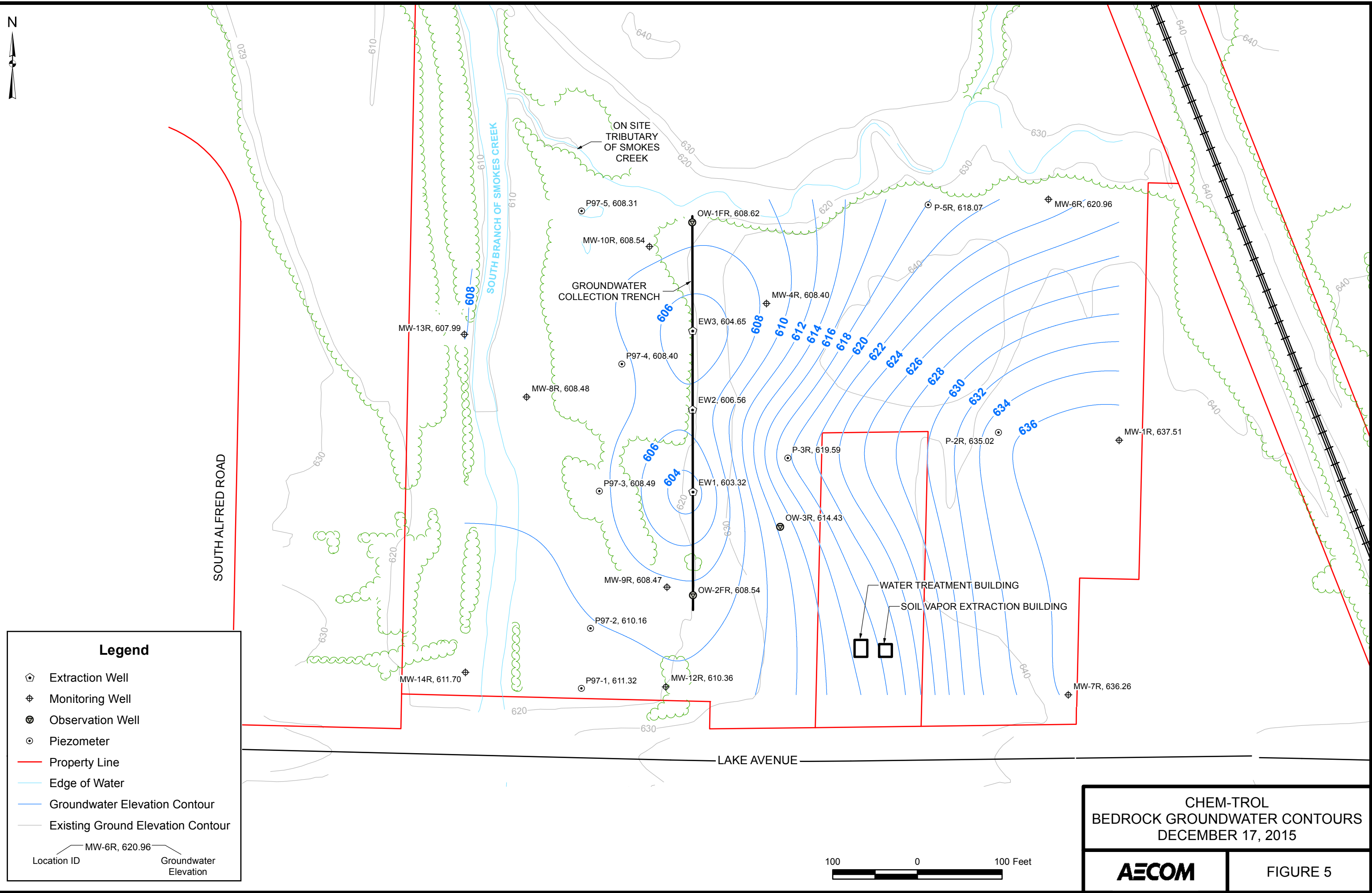
100 0 100 Feet

CHEM-TROL
BEDROCK GROUNDWATER CONTOURS
SEPTEMBER 28, 2015

AECOM

FIGURE 4





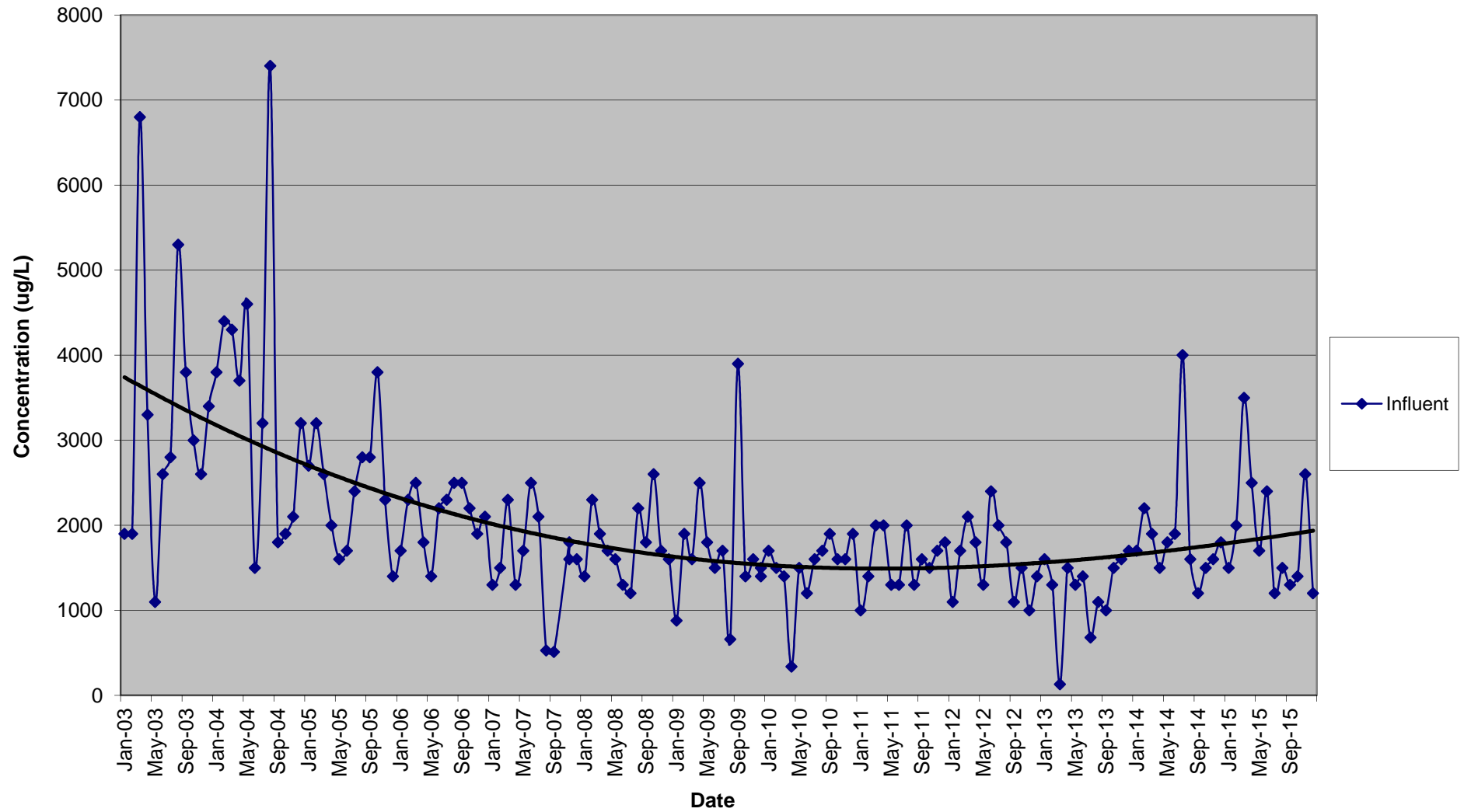
CHEM-TROL
BEDROCK GROUNDWATER CONTOURS
DECEMBER 17, 2015

AECOM

FIGURE 5

FIGURE 6

Chem-Trol Groundwater Treatment System
Influent o-Chlorotoluene Concentration
2003-2015



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: 17.5

Reporting Period: February 15, 2015 to February 15, 2016

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/ECs 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 Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
151.02-1-14.1	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 Controls

<u>Parcel</u>	<u>Engineering Control</u>
151.02-1-14.1	Groundwater Treatment System Cover System Groundwater Containment 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.
3. Groundwater quality monitoring.

Groundwater intercept, extraction and discharge compliance monitoring with groundwater elevations, contouring and groundwater quality monitoring are completed to confirm that the remedy remains protective 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 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. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or 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 David Moreira at 4 Liberty Lane West, Hampton NH 03842
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

3/7/16
Date

IC/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 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)

  March 7, 2016

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

Stamp
(Required for PE)

Date

ATTACHMENT B

2015 Annual Groundwater Sample Laboratory Report

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-87767-1

Client Project/Site: ChemTrol Site - Annual GW

Sampling Event: ChemTrol Annual Groundwater

For:

Waste Management

4 Liberty Lane West

Hampton, New Hampshire 03842

Attn: Dave Moreira



Authorized for release by:

10/8/2015 12:40:04 PM

Anne Pridgeon, Project Management Assistant I

anne.pridgeon@testamericainc.com

Designee for

Ryan VanDette, Project Manager II

(716)504-9830

ryan.vandette@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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

TestAmerica Job ID: 480-87767-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance 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
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
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)

Case Narrative

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

TestAmerica Job ID: 480-87767-1

Job ID: 480-87767-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-87767-1

Comments

No additional comments.

Receipt

The samples were received on 9/23/2015 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP (480-87767-1), MW-13R (480-87767-2), MW-3S (480-87767-4) and MW-9R (480-87767-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The results reported for the following sample does not concur with results previously reported for this site: MW-13R (480-87767-2). Reanalysis of a duplicate sample was performed, and the results confirmed.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-266887 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-8R (480-87767-6) and TB (480-87767-8).

Method(s) 8260C: The laboratory control sample (LCS) analytical batch 480-266887 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP (480-87767-1), MW-3S (480-87767-4), MW-8R (480-87767-6) and MW-9R (480-87767-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The results reported for the following sample does not concur with results previously reported for this site: MW-15R (480-87767-3). Reanalysis was performed, and the results confirmed.

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: DUP

Lab Sample ID: 480-87767-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	15		5.0		ug/L	4		8260C	Total/NA
Chloroethane	19		5.0		ug/L	4		8260C	Total/NA
o-Chlorotoluene - DL	2600		34		ug/L	40		8260C	Total/NA

Client Sample ID: MW-13R

Lab Sample ID: 480-87767-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	22		15		ug/L	40		8260C	Total/NA
o-Chlorotoluene	3200		34		ug/L	40		8260C	Total/NA
Chloroethane	25		13		ug/L	40		8260C	Total/NA

Client Sample ID: MW-15R

Lab Sample ID: 480-87767-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	68		25		ug/L	1		8260C	Total/NA
Benzene	15		5.0		ug/L	1		8260C	Total/NA
Cyclohexane	98		5.0		ug/L	1		8260C	Total/NA
Ethylbenzene	6.8		5.0		ug/L	1		8260C	Total/NA
Methylcyclohexane	51		5.0		ug/L	1		8260C	Total/NA
Xylenes, Total	62		15		ug/L	1		8260C	Total/NA

Client Sample ID: MW-3S

Lab Sample ID: 480-87767-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	75000		1700		ug/L	2000		8260C	Total/NA

Client Sample ID: MW-7R

Lab Sample ID: 480-87767-5

No Detections.

Client Sample ID: MW-8R

Lab Sample ID: 480-87767-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	59		5.0		ug/L	2		8260C	Total/NA

Client Sample ID: MW-9R

Lab Sample ID: 480-87767-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	350		5.0		ug/L	5		8260C	Total/NA
Chloroethane	34		5.0		ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	5.5		5.0		ug/L	5		8260C	Total/NA
1,1,1-Trichloroethane - DL	530		16		ug/L	20		8260C	Total/NA
o-Chlorotoluene - DL	1900		17		ug/L	20		8260C	Total/NA

Client Sample ID: TB

Lab Sample ID: 480-87767-8

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: DUP

Date Collected: 09/23/15 13:08

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-1

Matrix: Water

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			10/03/15 12:50	4
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/15 12:50	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/03/15 12:50	4
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/15 12:50	4
1,1-Dichloroethane	15		5.0		ug/L			10/03/15 12:50	4
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/03/15 12:50	4
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/03/15 12:50	4
1,2-Dibromoethane	ND		5.0		ug/L			10/03/15 12:50	4
1,2-Dichlorobenzene	ND		5.0		ug/L			10/03/15 12:50	4
1,2-Dichloroethane	ND		5.0		ug/L			10/03/15 12:50	4
1,2-Dichloropropane	ND		5.0		ug/L			10/03/15 12:50	4
1,3-Dichlorobenzene	ND		5.0		ug/L			10/03/15 12:50	4
1,4-Dichlorobenzene	ND		5.0		ug/L			10/03/15 12:50	4
2-Butanone (MEK)	ND		25		ug/L			10/03/15 12:50	4
2-Hexanone	ND		25		ug/L			10/03/15 12:50	4
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/03/15 12:50	4
Acetone	ND		25		ug/L			10/03/15 12:50	4
Benzene	ND		5.0		ug/L			10/03/15 12:50	4
Bromoform	ND		5.0		ug/L			10/03/15 12:50	4
Bromomethane	ND		5.0		ug/L			10/03/15 12:50	4
Carbon disulfide	ND		5.0		ug/L			10/03/15 12:50	4
Carbon tetrachloride	ND		5.0		ug/L			10/03/15 12:50	4
Chlorobenzene	ND		5.0		ug/L			10/03/15 12:50	4
Chlorodibromomethane	ND		5.0		ug/L			10/03/15 12:50	4
Chloroethane	19		5.0		ug/L			10/03/15 12:50	4
Chloroform	ND		5.0		ug/L			10/03/15 12:50	4
Chloromethane	ND		5.0		ug/L			10/03/15 12:50	4
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 12:50	4
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 12:50	4
Cyclohexane	ND		5.0		ug/L			10/03/15 12:50	4
Bromodichloromethane	ND		5.0		ug/L			10/03/15 12:50	4
Dichlorofluoromethane	ND		5.0		ug/L			10/03/15 12:50	4
Ethylbenzene	ND		5.0		ug/L			10/03/15 12:50	4
Isopropylbenzene	ND		5.0		ug/L			10/03/15 12:50	4
Methyl acetate	ND		5.2		ug/L			10/03/15 12:50	4
Methyl tert-butyl ether	ND		5.0		ug/L			10/03/15 12:50	4
Methylcyclohexane	ND		5.0		ug/L			10/03/15 12:50	4
Methylene Chloride	ND		5.0		ug/L			10/03/15 12:50	4
Styrene	ND		5.0		ug/L			10/03/15 12:50	4
Tetrachloroethene	ND		5.0		ug/L			10/03/15 12:50	4
Toluene	ND		5.0		ug/L			10/03/15 12:50	4
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 12:50	4
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 12:50	4
Trichloroethene	ND		5.0		ug/L			10/03/15 12:50	4
Trichlorofluoromethane	ND		5.0		ug/L			10/03/15 12:50	4
Vinyl chloride	ND		5.0		ug/L			10/03/15 12:50	4
Xylenes, Total	ND		15		ug/L			10/03/15 12:50	4

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: DUP

Date Collected: 09/23/15 13:08

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		66 - 137		10/03/15 12:50	4
Toluene-d8 (Surr)	120		71 - 126		10/03/15 12:50	4
4-Bromofluorobenzene (Surr)	101		73 - 120		10/03/15 12:50	4
Dibromofluoromethane (Surr)	108		60 - 140		10/03/15 12:50	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	2600		34		ug/L			10/05/15 12:32	40
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137					10/05/15 12:32	40
Toluene-d8 (Surr)	115		71 - 126					10/05/15 12:32	40
4-Bromofluorobenzene (Surr)	94		73 - 120					10/05/15 12:32	40
Dibromofluoromethane (Surr)	103		60 - 140					10/05/15 12:32	40

Client Sample ID: MW-13R

Date Collected: 09/23/15 13:08

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		33		ug/L			10/03/15 13:12	40
1,1,2,2-Tetrachloroethane	ND		8.4		ug/L			10/03/15 13:12	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12		ug/L			10/03/15 13:12	40
1,1,2-Trichloroethane	ND		9.2		ug/L			10/03/15 13:12	40
1,1-Dichloroethane	22		15		ug/L			10/03/15 13:12	40
1,2,4-Trichlorobenzene	ND		16		ug/L			10/03/15 13:12	40
1,2-Dibromo-3-Chloropropane	ND		16		ug/L			10/03/15 13:12	40
1,2-Dibromoethane	ND		29		ug/L			10/03/15 13:12	40
1,2-Dichlorobenzene	ND		32		ug/L			10/03/15 13:12	40
1,2-Dichloroethane	ND		8.4		ug/L			10/03/15 13:12	40
1,2-Dichloropropane	ND		29		ug/L			10/03/15 13:12	40
1,3-Dichlorobenzene	ND		31		ug/L			10/03/15 13:12	40
1,4-Dichlorobenzene	ND		34		ug/L			10/03/15 13:12	40
2-Butanone (MEK)	ND		53		ug/L			10/03/15 13:12	40
o-Chlorotoluene	3200		34		ug/L			10/03/15 13:12	40
2-Hexanone	ND		50		ug/L			10/03/15 13:12	40
4-Methyl-2-pentanone (MIBK)	ND		84		ug/L			10/03/15 13:12	40
Acetone	ND		120		ug/L			10/03/15 13:12	40
Benzene	ND		16		ug/L			10/03/15 13:12	40
Bromoform	ND		10		ug/L			10/03/15 13:12	40
Bromomethane	ND		28		ug/L			10/03/15 13:12	40
Carbon disulfide	ND		7.6		ug/L			10/03/15 13:12	40
Carbon tetrachloride	ND		11		ug/L			10/03/15 13:12	40
Chlorobenzene	ND		30		ug/L			10/03/15 13:12	40
Chlorodibromomethane	ND		13		ug/L			10/03/15 13:12	40
Chloroethane	25		13		ug/L			10/03/15 13:12	40
Chloroform	ND		14		ug/L			10/03/15 13:12	40
Chloromethane	ND		14		ug/L			10/03/15 13:12	40
cis-1,2-Dichloroethene	ND		32		ug/L			10/03/15 13:12	40
cis-1,3-Dichloropropene	ND		14		ug/L			10/03/15 13:12	40

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-13R

Date Collected: 09/23/15 13:08

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		7.2		ug/L			10/03/15 13:12	40
Bromodichloromethane	ND		16		ug/L			10/03/15 13:12	40
Dichlorofluoromethane	ND		14		ug/L			10/03/15 13:12	40
Ethylbenzene	ND		30		ug/L			10/03/15 13:12	40
Isopropylbenzene	ND		32		ug/L			10/03/15 13:12	40
Methyl acetate	ND		52		ug/L			10/03/15 13:12	40
Methyl tert-butyl ether	ND		6.4		ug/L			10/03/15 13:12	40
Methylcyclohexane	ND		6.4		ug/L			10/03/15 13:12	40
Methylene Chloride	ND		18		ug/L			10/03/15 13:12	40
Styrene	ND		29		ug/L			10/03/15 13:12	40
Tetrachloroethene	ND		14		ug/L			10/03/15 13:12	40
Toluene	ND		20		ug/L			10/03/15 13:12	40
trans-1,2-Dichloroethene	ND		36		ug/L			10/03/15 13:12	40
trans-1,3-Dichloropropene	ND		15		ug/L			10/03/15 13:12	40
Trichloroethene	ND		18		ug/L			10/03/15 13:12	40
Trichlorofluoromethane	ND		35		ug/L			10/03/15 13:12	40
Vinyl chloride	ND		36		ug/L			10/03/15 13:12	40
Xylenes, Total	ND		26		ug/L			10/03/15 13:12	40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		66 - 137		10/03/15 13:12	40
Toluene-d8 (Surr)	125		71 - 126		10/03/15 13:12	40
4-Bromofluorobenzene (Surr)	103		73 - 120		10/03/15 13:12	40
Dibromofluoromethane (Surr)	110		60 - 140		10/03/15 13:12	40

Client Sample ID: MW-15R

Date Collected: 09/23/15 13:05

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-3

Matrix: Water

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			10/03/15 13:34	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/15 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/03/15 13:34	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/15 13:34	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/15 13:34	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/03/15 13:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/03/15 13:34	1
1,2-Dibromoethane	ND		5.0		ug/L			10/03/15 13:34	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/03/15 13:34	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/15 13:34	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/15 13:34	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/03/15 13:34	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/03/15 13:34	1
2-Butanone (MEK)	ND		25		ug/L			10/03/15 13:34	1
o-Chlorotoluene	ND		5.0		ug/L			10/03/15 13:34	1
2-Hexanone	ND		25		ug/L			10/03/15 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/03/15 13:34	1
Acetone	68		25		ug/L			10/03/15 13:34	1
Benzene	15		5.0		ug/L			10/03/15 13:34	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-15R

Date Collected: 09/23/15 13:05

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0		ug/L			10/03/15 13:34	1
Bromomethane	ND		5.0		ug/L			10/03/15 13:34	1
Carbon disulfide	ND		5.0		ug/L			10/03/15 13:34	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/15 13:34	1
Chlorobenzene	ND		5.0		ug/L			10/03/15 13:34	1
Chlorodibromomethane	ND		5.0		ug/L			10/03/15 13:34	1
Chloroethane	ND		5.0		ug/L			10/03/15 13:34	1
Chloroform	ND		5.0		ug/L			10/03/15 13:34	1
Chloromethane	ND		5.0		ug/L			10/03/15 13:34	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 13:34	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 13:34	1
Cyclohexane	98		5.0		ug/L			10/03/15 13:34	1
Bromodichloromethane	ND		5.0		ug/L			10/03/15 13:34	1
Dichlorofluoromethane	ND		5.0		ug/L			10/03/15 13:34	1
Ethylbenzene	6.8		5.0		ug/L			10/03/15 13:34	1
Isopropylbenzene	ND		5.0		ug/L			10/03/15 13:34	1
Methyl acetate	ND		5.0		ug/L			10/03/15 13:34	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/03/15 13:34	1
Methylcyclohexane	51		5.0		ug/L			10/03/15 13:34	1
Methylene Chloride	ND		5.0		ug/L			10/03/15 13:34	1
Styrene	ND		5.0		ug/L			10/03/15 13:34	1
Tetrachloroethene	ND		5.0		ug/L			10/03/15 13:34	1
Toluene	ND		5.0		ug/L			10/03/15 13:34	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 13:34	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 13:34	1
Trichloroethene	ND		5.0		ug/L			10/03/15 13:34	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/15 13:34	1
Vinyl chloride	ND		5.0		ug/L			10/03/15 13:34	1
Xylenes, Total	62		15		ug/L			10/03/15 13:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		66 - 137					10/03/15 13:34	1
Toluene-d8 (Surr)	117		71 - 126					10/03/15 13:34	1
4-Bromofluorobenzene (Surr)	96		73 - 120					10/03/15 13:34	1
Dibromofluoromethane (Surr)	110		60 - 140					10/03/15 13:34	1

Client Sample ID: MW-3S

Date Collected: 09/23/15 13:30

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		410		ug/L			10/03/15 13:57	500
1,1,2,2-Tetrachloroethane	ND		110		ug/L			10/03/15 13:57	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160		ug/L			10/03/15 13:57	500
1,1,2-Trichloroethane	ND		120		ug/L			10/03/15 13:57	500
1,1-Dichloroethane	ND		190		ug/L			10/03/15 13:57	500
1,2,4-Trichlorobenzene	ND		210		ug/L			10/03/15 13:57	500
1,2-Dibromo-3-Chloropropane	ND		200		ug/L			10/03/15 13:57	500
1,2-Dibromoethane	ND		370		ug/L			10/03/15 13:57	500

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-3S

Date Collected: 09/23/15 13:30

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		400		ug/L			10/03/15 13:57	500
1,2-Dichloroethane	ND		110		ug/L			10/03/15 13:57	500
1,2-Dichloropropane	ND		360		ug/L			10/03/15 13:57	500
1,3-Dichlorobenzene	ND		390		ug/L			10/03/15 13:57	500
1,4-Dichlorobenzene	ND		420		ug/L			10/03/15 13:57	500
2-Butanone (MEK)	ND		660		ug/L			10/03/15 13:57	500
2-Hexanone	ND		620		ug/L			10/03/15 13:57	500
4-Methyl-2-pentanone (MIBK)	ND		1100		ug/L			10/03/15 13:57	500
Acetone	ND		1500		ug/L			10/03/15 13:57	500
Benzene	ND		210		ug/L			10/03/15 13:57	500
Bromoform	ND		130		ug/L			10/03/15 13:57	500
Bromomethane	ND		350		ug/L			10/03/15 13:57	500
Carbon disulfide	ND		95		ug/L			10/03/15 13:57	500
Carbon tetrachloride	ND		140		ug/L			10/03/15 13:57	500
Chlorobenzene	ND		380		ug/L			10/03/15 13:57	500
Chlorodibromomethane	ND		160		ug/L			10/03/15 13:57	500
Chloroethane	ND		160		ug/L			10/03/15 13:57	500
Chloroform	ND		170		ug/L			10/03/15 13:57	500
Chloromethane	ND		180		ug/L			10/03/15 13:57	500
cis-1,2-Dichloroethene	ND		410		ug/L			10/03/15 13:57	500
cis-1,3-Dichloropropene	ND		180		ug/L			10/03/15 13:57	500
Cyclohexane	ND		90		ug/L			10/03/15 13:57	500
Bromodichloromethane	ND		200		ug/L			10/03/15 13:57	500
Dichlorofluoromethane	ND		170		ug/L			10/03/15 13:57	500
Ethylbenzene	ND		370		ug/L			10/03/15 13:57	500
Isopropylbenzene	ND		400		ug/L			10/03/15 13:57	500
Methyl acetate	ND		650		ug/L			10/03/15 13:57	500
Methyl tert-butyl ether	ND		80		ug/L			10/03/15 13:57	500
Methylcyclohexane	ND		80		ug/L			10/03/15 13:57	500
Methylene Chloride	ND		220		ug/L			10/03/15 13:57	500
Styrene	ND		370		ug/L			10/03/15 13:57	500
Tetrachloroethene	ND		180		ug/L			10/03/15 13:57	500
Toluene	ND		260		ug/L			10/03/15 13:57	500
trans-1,2-Dichloroethene	ND		450		ug/L			10/03/15 13:57	500
trans-1,3-Dichloropropene	ND		190		ug/L			10/03/15 13:57	500
Trichloroethene	ND		230		ug/L			10/03/15 13:57	500
Trichlorofluoromethane	ND		440		ug/L			10/03/15 13:57	500
Vinyl chloride	ND		450		ug/L			10/03/15 13:57	500
Xylenes, Total	ND		330		ug/L			10/03/15 13:57	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		66 - 137		10/03/15 13:57	500
Toluene-d8 (Surr)	123		71 - 126		10/03/15 13:57	500
4-Bromofluorobenzene (Surr)	101		73 - 120		10/03/15 13:57	500
Dibromofluoromethane (Surr)	113		60 - 140		10/03/15 13:57	500

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	75000		1700		ug/L			10/05/15 12:54	2000

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-3S

Date Collected: 09/23/15 13:30

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-4

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		10/05/15 12:54	2000
Toluene-d8 (Surr)	114		71 - 126		10/05/15 12:54	2000
4-Bromofluorobenzene (Surr)	93		73 - 120		10/05/15 12:54	2000
Dibromofluoromethane (Surr)	107		60 - 140		10/05/15 12:54	2000

Client Sample ID: MW-7R

Date Collected: 09/23/15 13:40

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-5

Matrix: Water

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			10/03/15 14:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/15 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/03/15 14:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/15 14:19	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/15 14:19	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/03/15 14:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/03/15 14:19	1
1,2-Dibromoethane	ND		5.0		ug/L			10/03/15 14:19	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/03/15 14:19	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/15 14:19	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/15 14:19	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/03/15 14:19	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/03/15 14:19	1
2-Butanone (MEK)	ND		25		ug/L			10/03/15 14:19	1
o-Chlorotoluene	ND		5.0		ug/L			10/03/15 14:19	1
2-Hexanone	ND		25		ug/L			10/03/15 14:19	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/03/15 14:19	1
Acetone	ND		25		ug/L			10/03/15 14:19	1
Benzene	ND		5.0		ug/L			10/03/15 14:19	1
Bromoform	ND		5.0		ug/L			10/03/15 14:19	1
Bromomethane	ND		5.0		ug/L			10/03/15 14:19	1
Carbon disulfide	ND		5.0		ug/L			10/03/15 14:19	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/15 14:19	1
Chlorobenzene	ND		5.0		ug/L			10/03/15 14:19	1
Chlorodibromomethane	ND		5.0		ug/L			10/03/15 14:19	1
Chloroethane	ND		5.0		ug/L			10/03/15 14:19	1
Chloroform	ND		5.0		ug/L			10/03/15 14:19	1
Chloromethane	ND		5.0		ug/L			10/03/15 14:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 14:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 14:19	1
Cyclohexane	ND		5.0		ug/L			10/03/15 14:19	1
Bromodichloromethane	ND		5.0		ug/L			10/03/15 14:19	1
Dichlorofluoromethane	ND		5.0		ug/L			10/03/15 14:19	1
Ethylbenzene	ND		5.0		ug/L			10/03/15 14:19	1
Isopropylbenzene	ND		5.0		ug/L			10/03/15 14:19	1
Methyl acetate	ND		5.0		ug/L			10/03/15 14:19	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/03/15 14:19	1
Methylcyclohexane	ND		5.0		ug/L			10/03/15 14:19	1
Methylene Chloride	ND		5.0		ug/L			10/03/15 14:19	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-7R

Date Collected: 09/23/15 13:40

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0		ug/L			10/03/15 14:19	1
Tetrachloroethene	ND		5.0		ug/L			10/03/15 14:19	1
Toluene	ND		5.0		ug/L			10/03/15 14:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 14:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 14:19	1
Trichloroethene	ND		5.0		ug/L			10/03/15 14:19	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/15 14:19	1
Vinyl chloride	ND		5.0		ug/L			10/03/15 14:19	1
Xylenes, Total	ND		15		ug/L			10/03/15 14:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		66 - 137					10/03/15 14:19	1
Toluene-d8 (Surr)	119		71 - 126					10/03/15 14:19	1
4-Bromofluorobenzene (Surr)	98		73 - 120					10/03/15 14:19	1
Dibromofluoromethane (Surr)	109		60 - 140					10/03/15 14:19	1

Client Sample ID: MW-8R

Date Collected: 09/23/15 13:20

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-6

Matrix: Water

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			10/05/15 13:16	2
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/05/15 13:16	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/05/15 13:16	2
1,1,2-Trichloroethane	ND		5.0		ug/L			10/05/15 13:16	2
1,1-Dichloroethane	ND		5.0		ug/L			10/05/15 13:16	2
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/05/15 13:16	2
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/05/15 13:16	2
1,2-Dibromoethane	ND		5.0		ug/L			10/05/15 13:16	2
1,2-Dichlorobenzene	ND		5.0		ug/L			10/05/15 13:16	2
1,2-Dichloroethane	ND		5.0		ug/L			10/05/15 13:16	2
1,2-Dichloropropane	ND		5.0		ug/L			10/05/15 13:16	2
1,3-Dichlorobenzene	ND		5.0		ug/L			10/05/15 13:16	2
1,4-Dichlorobenzene	ND		5.0		ug/L			10/05/15 13:16	2
2-Butanone (MEK)	ND		25		ug/L			10/05/15 13:16	2
o-Chlorotoluene	59		5.0		ug/L			10/05/15 13:16	2
2-Hexanone	ND		25		ug/L			10/05/15 13:16	2
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/05/15 13:16	2
Acetone	ND		25		ug/L			10/05/15 13:16	2
Benzene	ND		5.0		ug/L			10/05/15 13:16	2
Bromoform	ND		5.0		ug/L			10/05/15 13:16	2
Bromomethane	ND *		5.0		ug/L			10/05/15 13:16	2
Carbon disulfide	ND		5.0		ug/L			10/05/15 13:16	2
Carbon tetrachloride	ND		5.0		ug/L			10/05/15 13:16	2
Chlorobenzene	ND		5.0		ug/L			10/05/15 13:16	2
Chlorodibromomethane	ND		5.0		ug/L			10/05/15 13:16	2
Chloroethane	ND		5.0		ug/L			10/05/15 13:16	2
Chloroform	ND		5.0		ug/L			10/05/15 13:16	2
Chloromethane	ND		5.0		ug/L			10/05/15 13:16	2

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-8R

Date Collected: 09/23/15 13:20

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 13:16	2
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 13:16	2
Cyclohexane	ND		5.0		ug/L			10/05/15 13:16	2
Bromodichloromethane	ND		5.0		ug/L			10/05/15 13:16	2
Dichlorofluoromethane	ND		5.0		ug/L			10/05/15 13:16	2
Ethylbenzene	ND		5.0		ug/L			10/05/15 13:16	2
Isopropylbenzene	ND		5.0		ug/L			10/05/15 13:16	2
Methyl acetate	ND		5.0		ug/L			10/05/15 13:16	2
Methyl tert-butyl ether	ND		5.0		ug/L			10/05/15 13:16	2
Methylcyclohexane	ND		5.0		ug/L			10/05/15 13:16	2
Methylene Chloride	ND		5.0		ug/L			10/05/15 13:16	2
Styrene	ND		5.0		ug/L			10/05/15 13:16	2
Tetrachloroethene	ND		5.0		ug/L			10/05/15 13:16	2
Toluene	ND		5.0		ug/L			10/05/15 13:16	2
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 13:16	2
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 13:16	2
Trichloroethene	ND		5.0		ug/L			10/05/15 13:16	2
Trichlorofluoromethane	ND		5.0		ug/L			10/05/15 13:16	2
Vinyl chloride	ND		5.0		ug/L			10/05/15 13:16	2
Xylenes, Total	ND		15		ug/L			10/05/15 13:16	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		66 - 137		10/05/15 13:16	2
Toluene-d8 (Surr)	114		71 - 126		10/05/15 13:16	2
4-Bromofluorobenzene (Surr)	94		73 - 120		10/05/15 13:16	2
Dibromofluoromethane (Surr)	107		60 - 140		10/05/15 13:16	2

Client Sample ID: MW-9R

Date Collected: 09/23/15 13:35

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/15 15:04	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/03/15 15:04	5
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/15 15:04	5
1,1-Dichloroethane	350		5.0		ug/L			10/03/15 15:04	5
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/03/15 15:04	5
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/03/15 15:04	5
1,2-Dibromoethane	ND		5.0		ug/L			10/03/15 15:04	5
1,2-Dichlorobenzene	ND		5.0		ug/L			10/03/15 15:04	5
1,2-Dichloroethane	ND		5.0		ug/L			10/03/15 15:04	5
1,2-Dichloropropane	ND		5.0		ug/L			10/03/15 15:04	5
1,3-Dichlorobenzene	ND		5.0		ug/L			10/03/15 15:04	5
1,4-Dichlorobenzene	ND		5.0		ug/L			10/03/15 15:04	5
2-Butanone (MEK)	ND		25		ug/L			10/03/15 15:04	5
2-Hexanone	ND		25		ug/L			10/03/15 15:04	5
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/03/15 15:04	5
Acetone	ND		25		ug/L			10/03/15 15:04	5
Benzene	ND		5.0		ug/L			10/03/15 15:04	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: MW-9R

Date Collected: 09/23/15 13:35

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0		ug/L			10/03/15 15:04	5
Bromomethane	ND		5.0		ug/L			10/03/15 15:04	5
Carbon disulfide	ND		5.0		ug/L			10/03/15 15:04	5
Carbon tetrachloride	ND		5.0		ug/L			10/03/15 15:04	5
Chlorobenzene	ND		5.0		ug/L			10/03/15 15:04	5
Chlorodibromomethane	ND		5.0		ug/L			10/03/15 15:04	5
Chloroethane	34		5.0		ug/L			10/03/15 15:04	5
Chloroform	ND		5.0		ug/L			10/03/15 15:04	5
Chloromethane	ND		5.0		ug/L			10/03/15 15:04	5
cis-1,2-Dichloroethene	5.5		5.0		ug/L			10/03/15 15:04	5
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 15:04	5
Cyclohexane	ND		5.0		ug/L			10/03/15 15:04	5
Bromodichloromethane	ND		5.0		ug/L			10/03/15 15:04	5
Dichlorofluoromethane	ND		5.0		ug/L			10/03/15 15:04	5
Ethylbenzene	ND		5.0		ug/L			10/03/15 15:04	5
Isopropylbenzene	ND		5.0		ug/L			10/03/15 15:04	5
Methyl acetate	ND		6.5		ug/L			10/03/15 15:04	5
Methyl tert-butyl ether	ND		5.0		ug/L			10/03/15 15:04	5
Methylcyclohexane	ND		5.0		ug/L			10/03/15 15:04	5
Methylene Chloride	ND		5.0		ug/L			10/03/15 15:04	5
Styrene	ND		5.0		ug/L			10/03/15 15:04	5
Tetrachloroethene	ND		5.0		ug/L			10/03/15 15:04	5
Toluene	ND		5.0		ug/L			10/03/15 15:04	5
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 15:04	5
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 15:04	5
Trichloroethene	ND		5.0		ug/L			10/03/15 15:04	5
Trichlorofluoromethane	ND		5.0		ug/L			10/03/15 15:04	5
Vinyl chloride	ND		5.0		ug/L			10/03/15 15:04	5
Xylenes, Total	ND		15		ug/L			10/03/15 15:04	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		66 - 137					10/03/15 15:04	5
Toluene-d8 (Surr)	117		71 - 126					10/03/15 15:04	5
4-Bromofluorobenzene (Surr)	95		73 - 120					10/03/15 15:04	5
Dibromofluoromethane (Surr)	109		60 - 140					10/03/15 15:04	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	530		16		ug/L			10/05/15 13:38	20
o-Chlorotoluene	1900		17		ug/L			10/05/15 13:38	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		66 - 137					10/05/15 13:38	20
Toluene-d8 (Surr)	119		71 - 126					10/05/15 13:38	20
4-Bromofluorobenzene (Surr)	98		73 - 120					10/05/15 13:38	20
Dibromofluoromethane (Surr)	111		60 - 140					10/05/15 13:38	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: TB

Date Collected: 09/23/15 09:00

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-8

Matrix: Water

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			10/05/15 14:01	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/05/15 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/05/15 14:01	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/05/15 14:01	1
1,1-Dichloroethane	ND		5.0		ug/L			10/05/15 14:01	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/05/15 14:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/05/15 14:01	1
1,2-Dibromoethane	ND		5.0		ug/L			10/05/15 14:01	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/05/15 14:01	1
1,2-Dichloroethane	ND		5.0		ug/L			10/05/15 14:01	1
1,2-Dichloropropane	ND		5.0		ug/L			10/05/15 14:01	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/05/15 14:01	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/05/15 14:01	1
2-Butanone (MEK)	ND		25		ug/L			10/05/15 14:01	1
o-Chlorotoluene	ND		5.0		ug/L			10/05/15 14:01	1
2-Hexanone	ND		25		ug/L			10/05/15 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/05/15 14:01	1
Acetone	ND		25		ug/L			10/05/15 14:01	1
Benzene	ND		5.0		ug/L			10/05/15 14:01	1
Bromoform	ND		5.0		ug/L			10/05/15 14:01	1
Bromomethane	ND *		5.0		ug/L			10/05/15 14:01	1
Carbon disulfide	ND		5.0		ug/L			10/05/15 14:01	1
Carbon tetrachloride	ND		5.0		ug/L			10/05/15 14:01	1
Chlorobenzene	ND		5.0		ug/L			10/05/15 14:01	1
Chlorodibromomethane	ND		5.0		ug/L			10/05/15 14:01	1
Chloroethane	ND		5.0		ug/L			10/05/15 14:01	1
Chloroform	ND		5.0		ug/L			10/05/15 14:01	1
Chloromethane	ND		5.0		ug/L			10/05/15 14:01	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 14:01	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 14:01	1
Cyclohexane	ND		5.0		ug/L			10/05/15 14:01	1
Bromodichloromethane	ND		5.0		ug/L			10/05/15 14:01	1
Dichlorofluoromethane	ND		5.0		ug/L			10/05/15 14:01	1
Ethylbenzene	ND		5.0		ug/L			10/05/15 14:01	1
Isopropylbenzene	ND		5.0		ug/L			10/05/15 14:01	1
Methyl acetate	ND		5.0		ug/L			10/05/15 14:01	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/05/15 14:01	1
Methylcyclohexane	ND		5.0		ug/L			10/05/15 14:01	1
Methylene Chloride	ND		5.0		ug/L			10/05/15 14:01	1
Styrene	ND		5.0		ug/L			10/05/15 14:01	1
Tetrachloroethene	ND		5.0		ug/L			10/05/15 14:01	1
Toluene	ND		5.0		ug/L			10/05/15 14:01	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 14:01	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 14:01	1
Trichloroethene	ND		5.0		ug/L			10/05/15 14:01	1
Trichlorofluoromethane	ND		5.0		ug/L			10/05/15 14:01	1
Vinyl chloride	ND		5.0		ug/L			10/05/15 14:01	1
Xylenes, Total	ND		15		ug/L			10/05/15 14:01	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-87767-1

Client Sample ID: TB

Date Collected: 09/23/15 09:00

Date Received: 09/23/15 14:45

Lab Sample ID: 480-87767-8

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)	112		66 - 137		10/05/15 14:01	1
Toluene-d8 (Surr)	114		71 - 126		10/05/15 14:01	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/05/15 14:01	1
Dibromofluoromethane (Surr)	106		60 - 140		10/05/15 14:01	1

QC Sample Results

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

TestAmerica Job ID: 480-87767-1

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

Lab Sample ID: MB 480-266770/7

Matrix: Water

Analysis Batch: 266770

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			10/03/15 10:16	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/15 10:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/03/15 10:16	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/15 10:16	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/15 10:16	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/03/15 10:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/03/15 10:16	1
1,2-Dibromoethane	ND		5.0		ug/L			10/03/15 10:16	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/03/15 10:16	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/15 10:16	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/15 10:16	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/03/15 10:16	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/03/15 10:16	1
2-Butanone (MEK)	ND		25		ug/L			10/03/15 10:16	1
o-Chlorotoluene	ND		5.0		ug/L			10/03/15 10:16	1
2-Hexanone	ND		25		ug/L			10/03/15 10:16	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/03/15 10:16	1
Acetone	ND		25		ug/L			10/03/15 10:16	1
Benzene	ND		5.0		ug/L			10/03/15 10:16	1
Bromoform	ND		5.0		ug/L			10/03/15 10:16	1
Bromomethane	ND		5.0		ug/L			10/03/15 10:16	1
Carbon disulfide	ND		5.0		ug/L			10/03/15 10:16	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/15 10:16	1
Chlorobenzene	ND		5.0		ug/L			10/03/15 10:16	1
Chlorodibromomethane	ND		5.0		ug/L			10/03/15 10:16	1
Chloroethane	ND		5.0		ug/L			10/03/15 10:16	1
Chloroform	ND		5.0		ug/L			10/03/15 10:16	1
Chloromethane	ND		5.0		ug/L			10/03/15 10:16	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 10:16	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 10:16	1
Cyclohexane	ND		5.0		ug/L			10/03/15 10:16	1
Bromodichloromethane	ND		5.0		ug/L			10/03/15 10:16	1
Dichlorofluoromethane	ND		5.0		ug/L			10/03/15 10:16	1
Ethylbenzene	ND		5.0		ug/L			10/03/15 10:16	1
Isopropylbenzene	ND		5.0		ug/L			10/03/15 10:16	1
Methyl acetate	ND		5.0		ug/L			10/03/15 10:16	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/03/15 10:16	1
Methylcyclohexane	ND		5.0		ug/L			10/03/15 10:16	1
Methylene Chloride	ND		5.0		ug/L			10/03/15 10:16	1
Styrene	ND		5.0		ug/L			10/03/15 10:16	1
Tetrachloroethene	ND		5.0		ug/L			10/03/15 10:16	1
Toluene	ND		5.0		ug/L			10/03/15 10:16	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/15 10:16	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/15 10:16	1
Trichloroethene	ND		5.0		ug/L			10/03/15 10:16	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/15 10:16	1
Vinyl chloride	ND		5.0		ug/L			10/03/15 10:16	1
Xylenes, Total	ND		15		ug/L			10/03/15 10:16	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-87767-1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		66 - 137		10/03/15 10:16	1
Toluene-d8 (Surr)	120		71 - 126		10/03/15 10:16	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/03/15 10:16	1
Dibromofluoromethane (Surr)	108		60 - 140		10/03/15 10:16	1

Lab Sample ID: LCS 480-266770/5

Matrix: Water

Analysis Batch: 266770

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	23.3		ug/L		93	71 - 129
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		97	75 - 127
Benzene	25.0	25.1		ug/L		100	71 - 124
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Methyl tert-butyl ether	25.0	25.0		ug/L		100	64 - 127
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
Trichloroethene	25.0	25.2		ug/L		101	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
Toluene-d8 (Surr)	121		71 - 126
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	113		60 - 140

Lab Sample ID: MB 480-266887/7

Matrix: Water

Analysis Batch: 266887

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			10/05/15 11:49	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/L			10/05/15 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/05/15 11:49	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/05/15 11:49	1
1,1-Dichloroethane	ND		5.0		ug/L			10/05/15 11:49	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/05/15 11:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/05/15 11:49	1
1,2-Dibromoethane	ND		5.0		ug/L			10/05/15 11:49	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/05/15 11:49	1
1,2-Dichloroethane	ND		5.0		ug/L			10/05/15 11:49	1
1,2-Dichloropropane	ND		5.0		ug/L			10/05/15 11:49	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/05/15 11:49	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/05/15 11:49	1
2-Butanone (MEK)	ND		25		ug/L			10/05/15 11:49	1
o-Chlorotoluene	ND		5.0		ug/L			10/05/15 11:49	1
2-Hexanone	ND		25		ug/L			10/05/15 11:49	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/05/15 11:49	1
Acetone	ND		25		ug/L			10/05/15 11:49	1
Benzene	ND		5.0		ug/L			10/05/15 11:49	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-87767-1

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

Lab Sample ID: MB 480-266887/7

Matrix: Water

Analysis Batch: 266887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		5.0		ug/L			10/05/15 11:49	1
Bromomethane	ND		5.0		ug/L			10/05/15 11:49	1
Carbon disulfide	ND		5.0		ug/L			10/05/15 11:49	1
Carbon tetrachloride	ND		5.0		ug/L			10/05/15 11:49	1
Chlorobenzene	ND		5.0		ug/L			10/05/15 11:49	1
Chlorodibromomethane	ND		5.0		ug/L			10/05/15 11:49	1
Chloroethane	ND		5.0		ug/L			10/05/15 11:49	1
Chloroform	ND		5.0		ug/L			10/05/15 11:49	1
Chloromethane	ND		5.0		ug/L			10/05/15 11:49	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 11:49	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 11:49	1
Cyclohexane	ND		5.0		ug/L			10/05/15 11:49	1
Bromodichloromethane	ND		5.0		ug/L			10/05/15 11:49	1
Dichlorofluoromethane	ND		5.0		ug/L			10/05/15 11:49	1
Ethylbenzene	ND		5.0		ug/L			10/05/15 11:49	1
Isopropylbenzene	ND		5.0		ug/L			10/05/15 11:49	1
Methyl acetate	ND		5.0		ug/L			10/05/15 11:49	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/05/15 11:49	1
Methylcyclohexane	ND		5.0		ug/L			10/05/15 11:49	1
Methylene Chloride	ND		5.0		ug/L			10/05/15 11:49	1
Styrene	ND		5.0		ug/L			10/05/15 11:49	1
Tetrachloroethene	ND		5.0		ug/L			10/05/15 11:49	1
Toluene	ND		5.0		ug/L			10/05/15 11:49	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/05/15 11:49	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/05/15 11:49	1
Trichloroethene	ND		5.0		ug/L			10/05/15 11:49	1
Trichlorofluoromethane	ND		5.0		ug/L			10/05/15 11:49	1
Vinyl chloride	ND		5.0		ug/L			10/05/15 11:49	1
Xylenes, Total	ND		15		ug/L			10/05/15 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		10/05/15 11:49	1
Toluene-d8 (Surr)	117		71 - 126		10/05/15 11:49	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/05/15 11:49	1
Dibromofluoromethane (Surr)	107		60 - 140		10/05/15 11:49	1

Lab Sample ID: LCS 480-266887/5

Matrix: Water

Analysis Batch: 266887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	23.0		ug/L		92	71 - 129
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 127
Benzene	25.0	24.7		ug/L		99	71 - 124
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-87767-1

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

Lab Sample ID: LCS 480-266887/5

Matrix: Water

Analysis Batch: 266887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	23.1		ug/L		92	64 - 127
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
Trichloroethene	25.0	24.3		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
Toluene-d8 (Surr)	115		71 - 126
4-Bromofluorobenzene (Surr)	94		73 - 120
Dibromofluoromethane (Surr)	106		60 - 140

Certification Summary

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

TestAmerica Job ID: 480-87767-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Dichlorofluoromethane

Method Summary

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

TestAmerica Job ID: 480-87767-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-87767-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87767-1	DUP	Water	09/23/15 13:08	09/23/15 14:45
480-87767-2	MW-13R	Water	09/23/15 13:08	09/23/15 14:45
480-87767-3	MW-15R	Water	09/23/15 13:05	09/23/15 14:45
480-87767-4	MW-3S	Water	09/23/15 13:30	09/23/15 14:45
480-87767-5	MW-7R	Water	09/23/15 13:40	09/23/15 14:45
480-87767-6	MW-8R	Water	09/23/15 13:20	09/23/15 14:45
480-87767-7	MW-9R	Water	09/23/15 13:35	09/23/15 14:45
480-87767-8	TB	Water	09/23/15 09:00	09/23/15 14:45

10/8/2015

ATTACHMENT C

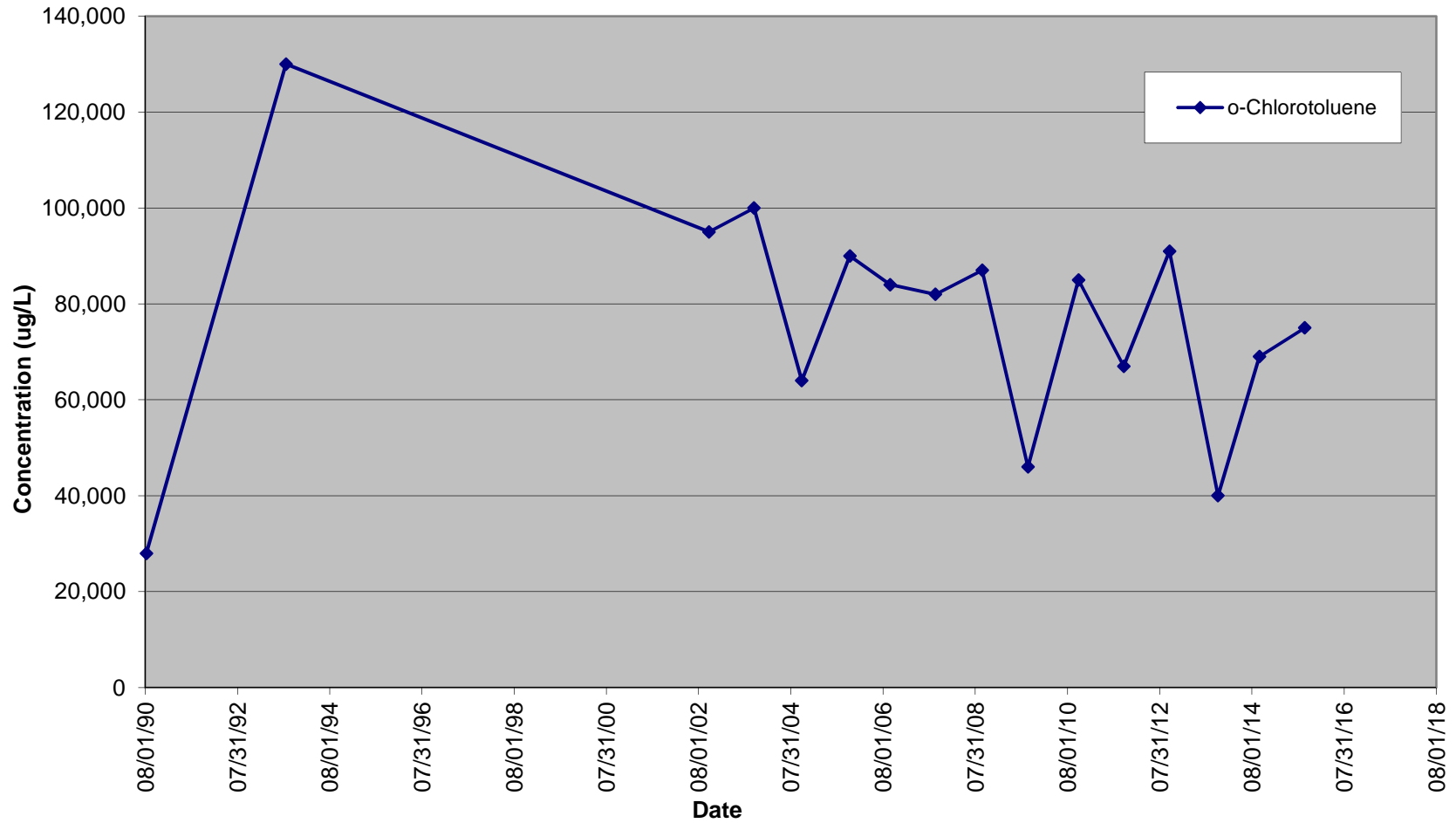
Historical Data Trend Plots

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


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



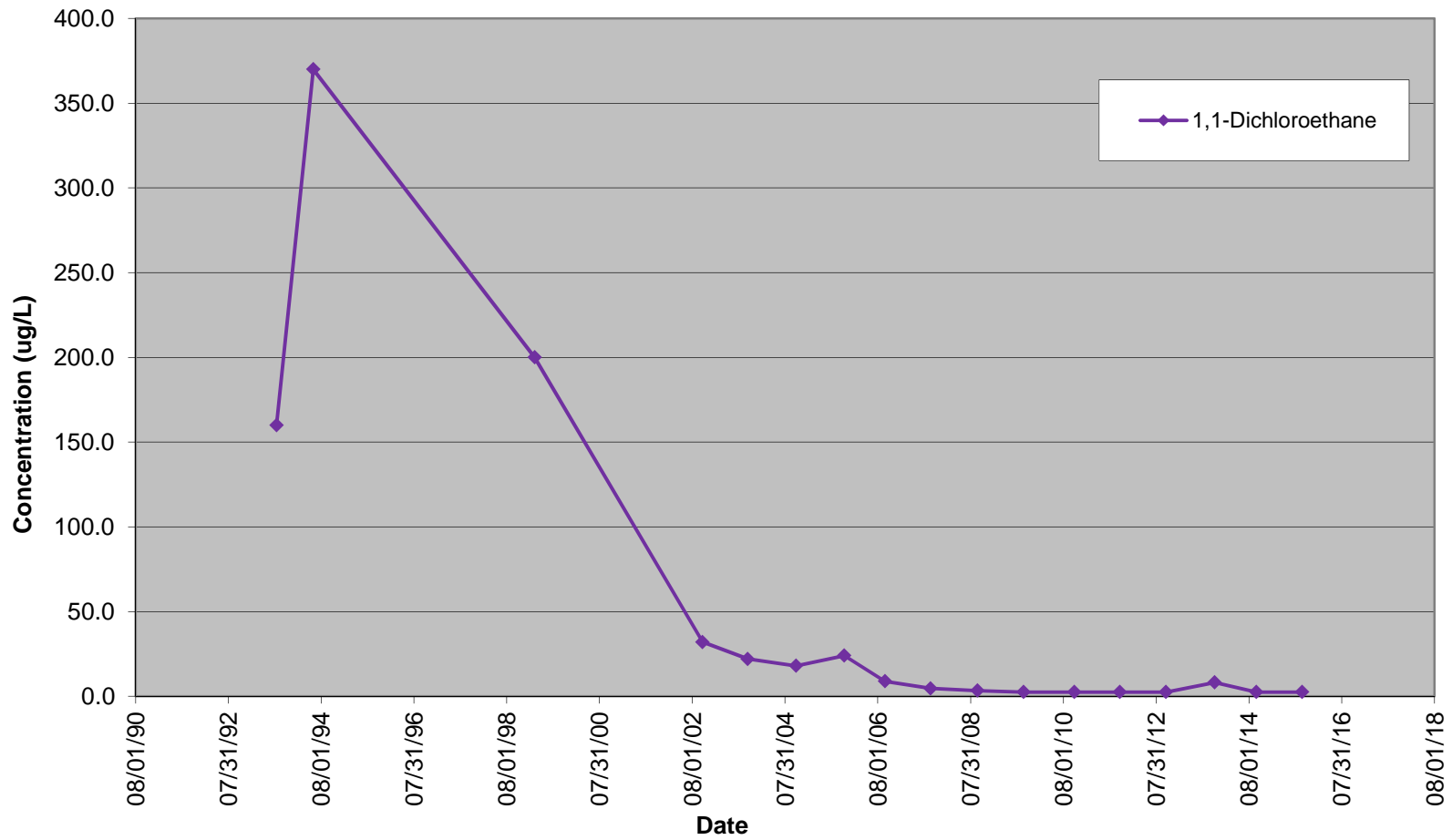
CHEM-TROL SITE

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

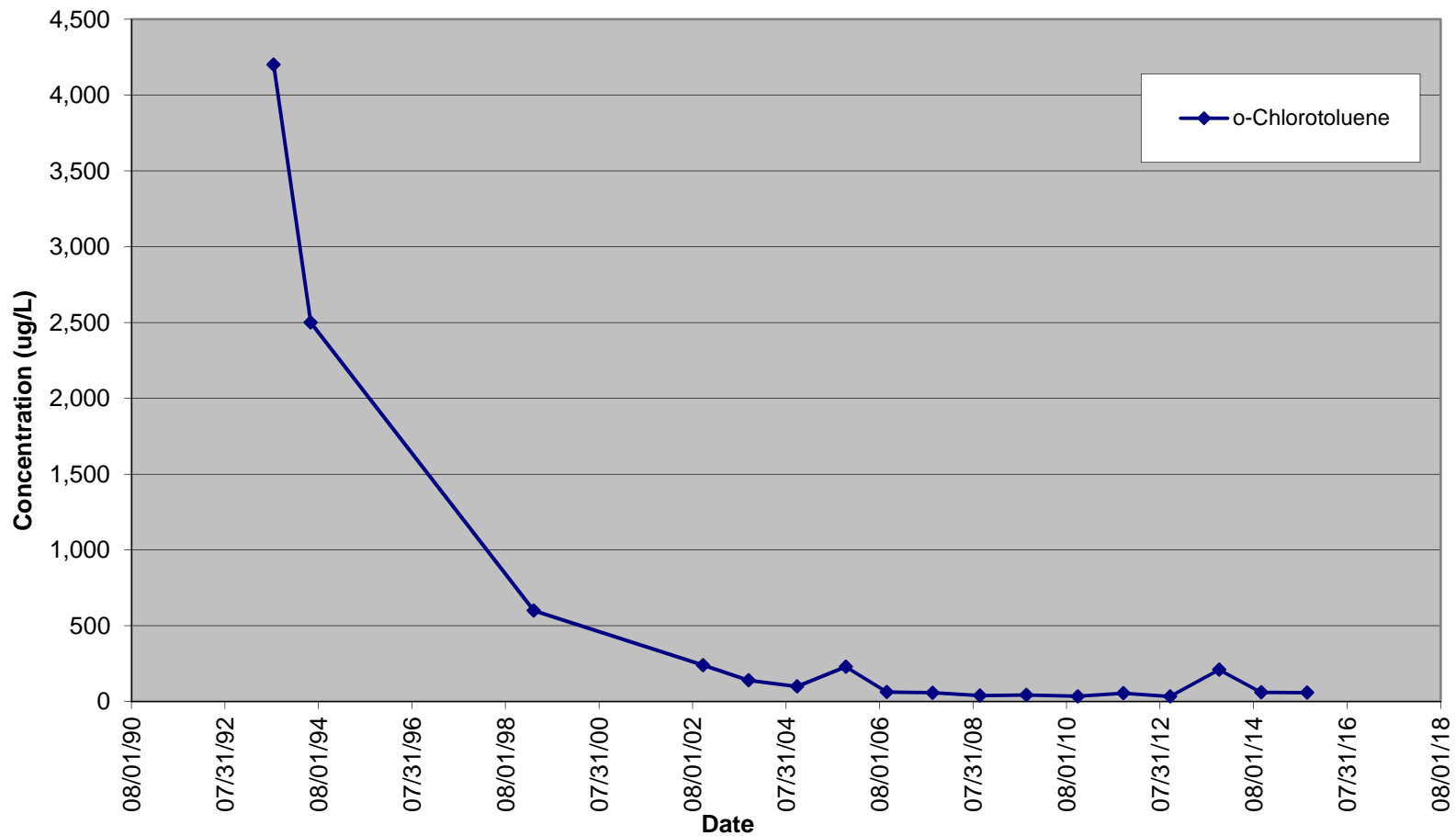
Date	1,1-Dichloroethane	o-Chlorotoluene
08/16/93	160.0	4,200
06/01/94	370.0	2,500
03/10/99	200.0	600.0
10/22/02	32.0	240.0
10/13/03	22.0	140.0
10/26/04	18.0	100.0
11/11/05	24.0	230.0
09/27/06	8.9	63.0
09/20/07	4.7	58.0
09/24/08	3.4	40.0
09/22/09	2.5	43.0
10/27/10	2.5	35.0
10/20/11	2.5	55.0
10/17/12	2.5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

 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



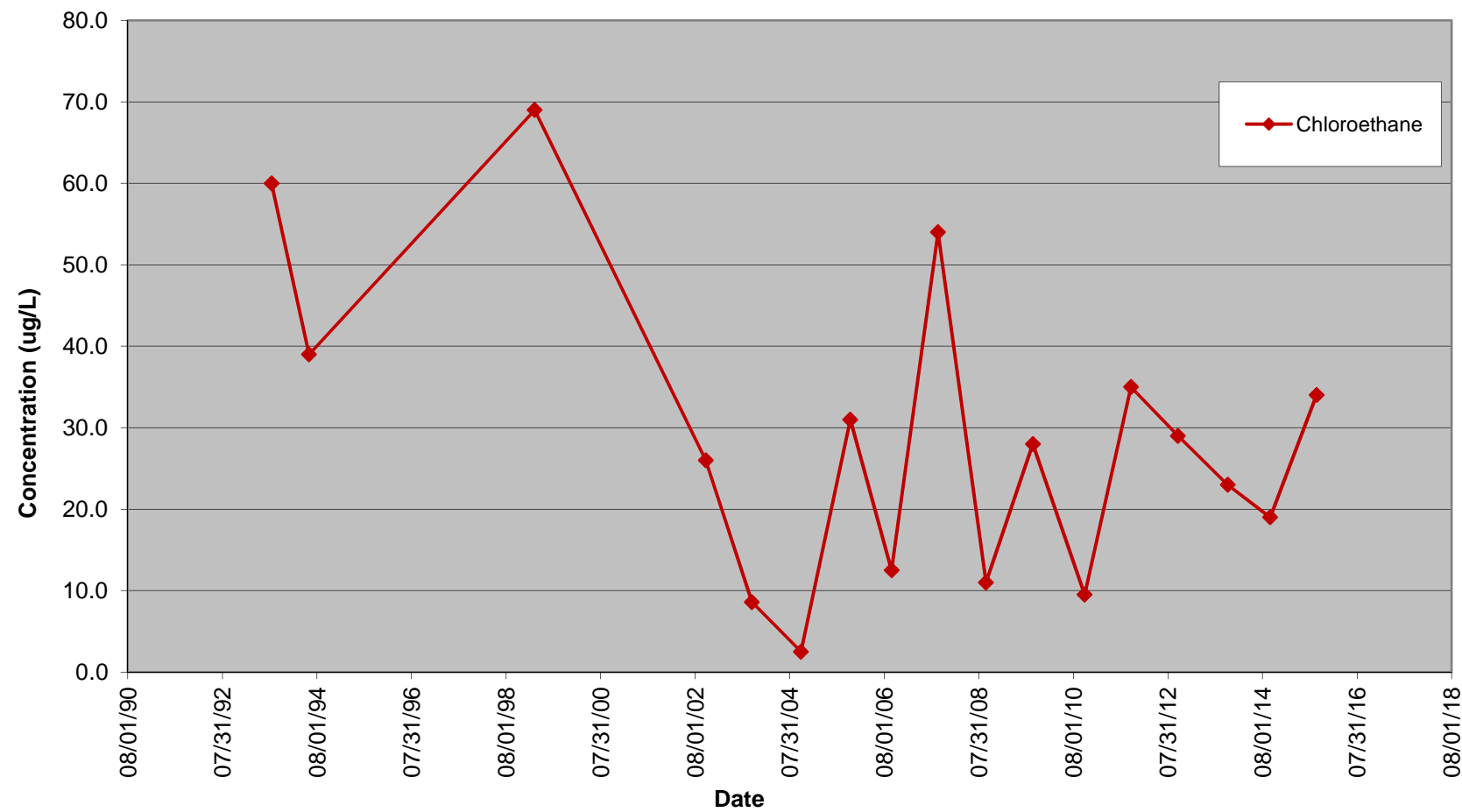
CHEM-TROL SITE

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

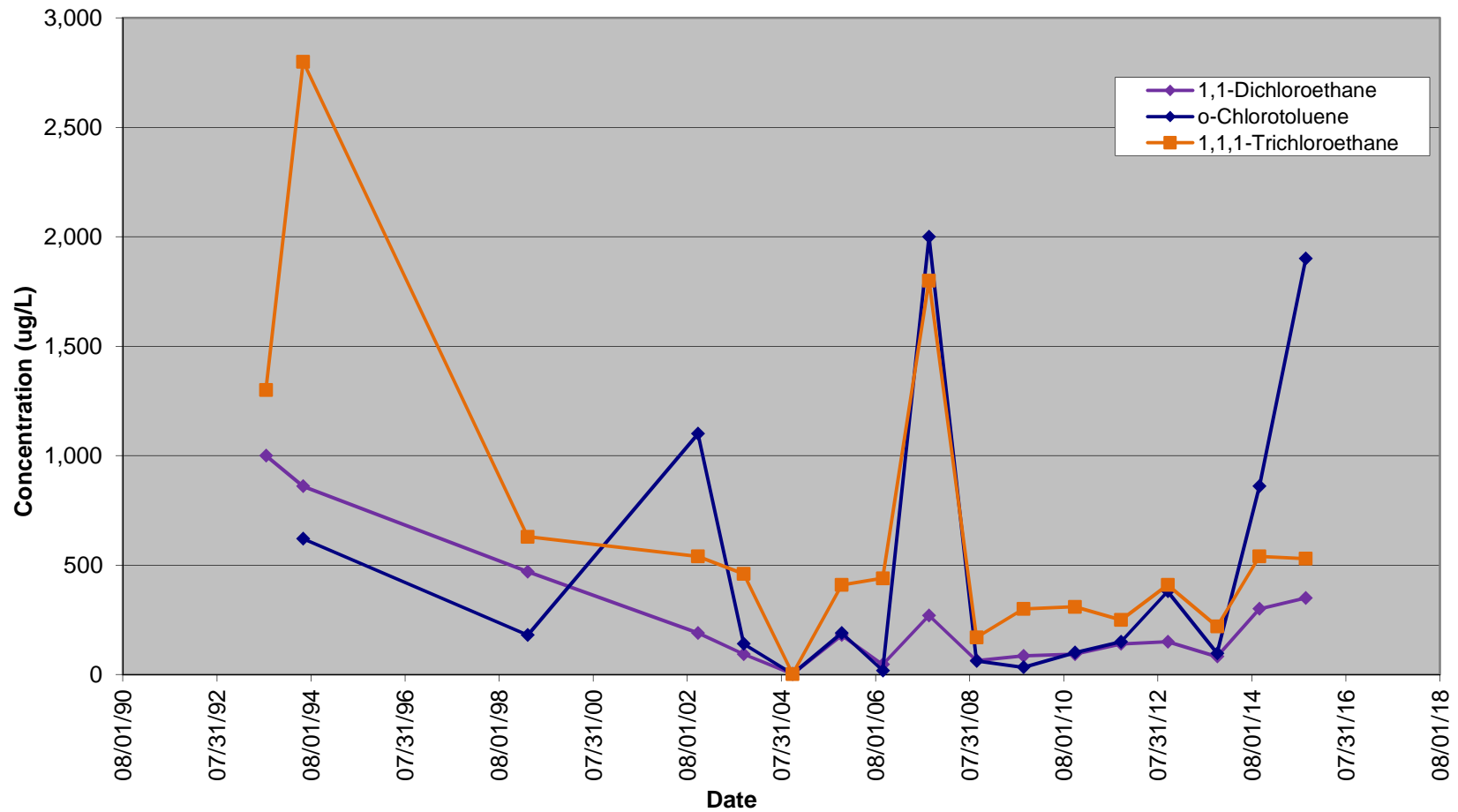
Date	Chloroethane	1,1-Dichloroethane	o-Chlorotoluene	1,1,1-Trichloroethane	Trichloroethene
08/16/93	60.0	1,000		1,300	330.0
06/01/94	39.0	860.0	620.0	2,800	300.0
03/10/99	69.0	470.0	180.0	630.0	260.0
10/22/02	26.0	190.0	1,100	540.0	8.2
10/13/03	8.6	93.0	140.0	460.0	10.0
10/26/04	2.5	2.5	2.5	2.5	2.5
11/11/05	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

	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.

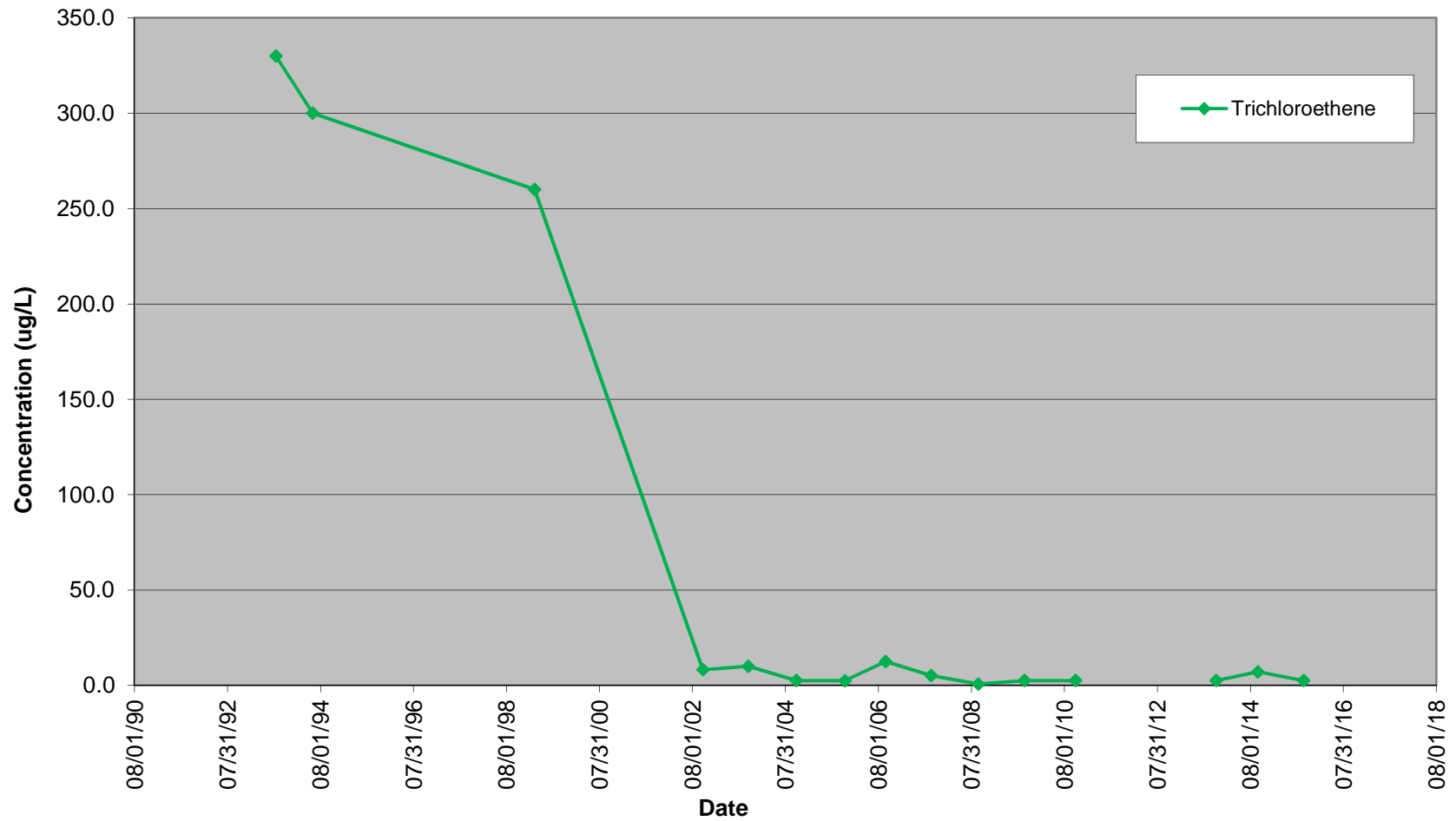
Monitoring Well MW-9R
Chem-Trol Site, Site No. 915015



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



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



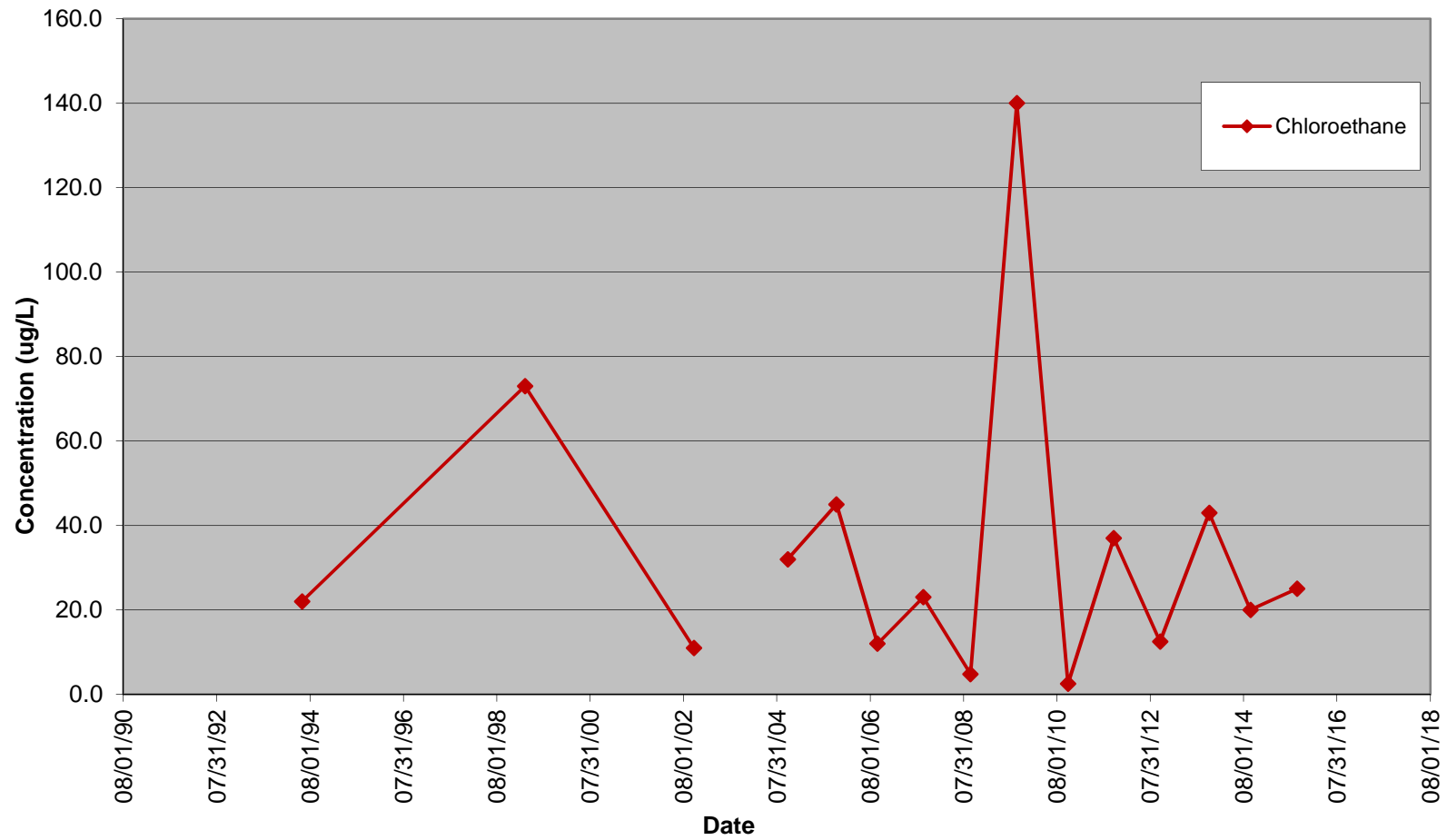
CHEM-TROL SITE

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

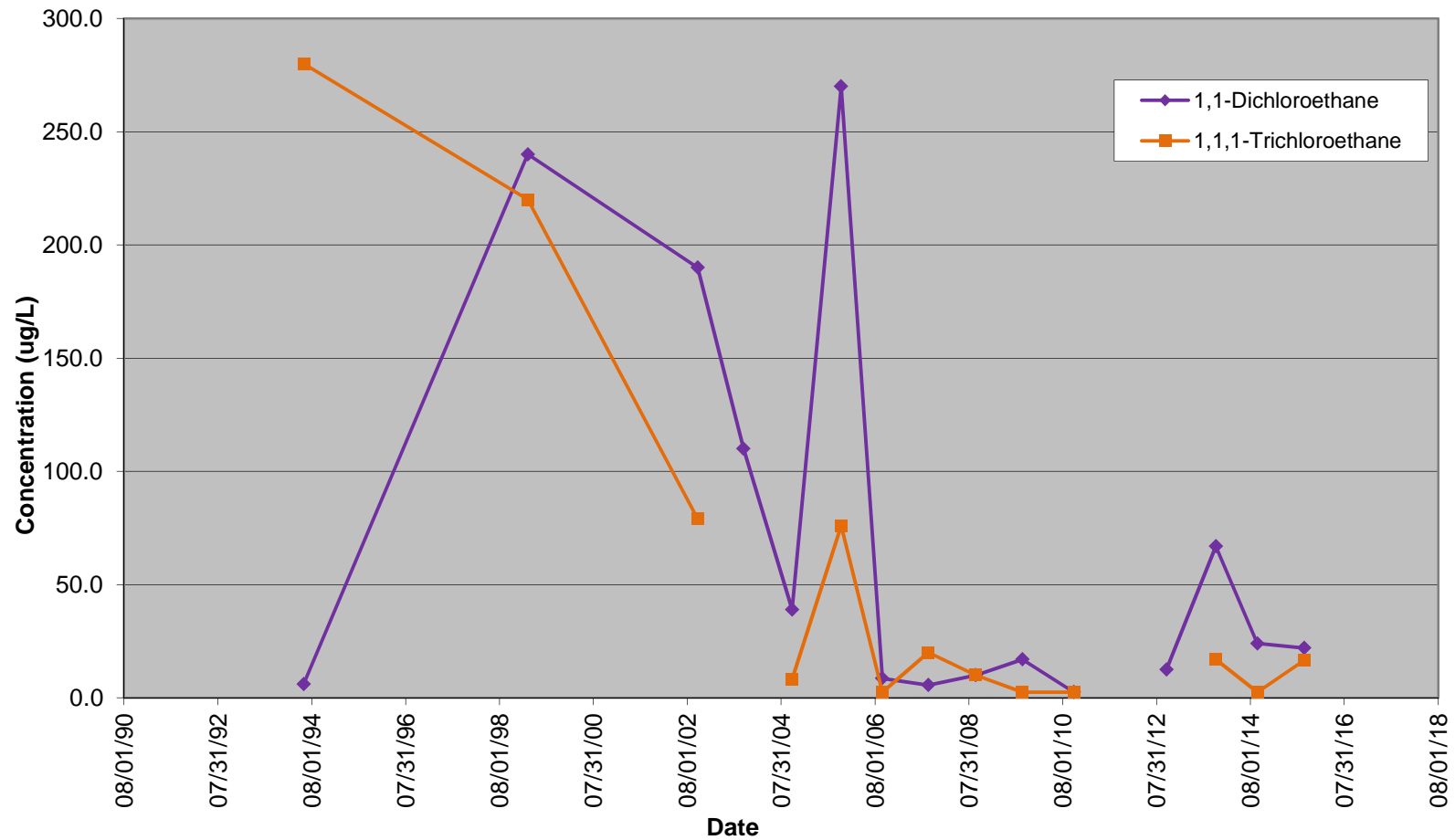
Date	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane	o-Chlorotoluene
05/31/94	22.0	6.0	280.0	1,700
03/11/99	73.0	240.0	220.0	
10/22/02	11.0	190.0	79.0	4,200
10/13/03		110.0		4,500
10/26/04	32.0	39.0	8.2	1,900
11/11/05	45.0	270.0	76.0	4,900
09/27/06	12.0	8.6	2.5	680.0
09/20/07	23.0	5.6	20.0	440.0
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	3200.0

	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

