AECOM
100 Corporate Parkway, Suite 341
Amherst, NY 14226

716.836.4506 tel
716.834.8785 fax

March 8, 2013

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: 2012 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 25, 2013 to Mr. Mark Snyder. The letter provides guidance for preparing the PRR and IC/EC forms and requires that they be submitted to NYSDEC no later than March 17, 2013.

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 and operations were moved to a new facility in Model City, New York.

Chem-Trol was acquired by SCA Services, Inc. in 1973. In 1984, a wholly-owned subsidiary of Waste Management, Inc. acquired 100% of the stock of SCA Services, Inc. (since July 1998, Waste Management, Inc. is known as Waste Management Holdings, Inc.). On December 22, 1999, SCA Services, Inc. was liquidated, and the assets of SCA

Services, Inc. were merged into SC Holdings, Inc., a direct subsidiary of Waste Management Holdings, Inc.

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.

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 by a third party consultant (MMCE). No damage was observed during these site visits.

Groundwater Collection and Treatment System

SC Holdings has the following actions performed by third party consultants in order to monitor the performance of the groundwater collection system as required in the ROD:

- Perform monthly operation and maintenance tasks on the system,
- 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.),
- Sample and analyze the groundwater collection and treatment system influent and effluent on a monthly basis,
- Measure and record water levels in groundwater extraction wells and groundwater monitoring wells on a quarterly basis,
- Obtain annual groundwater samples from groundwater monitoring wells and analyze for organic compounds, and,
- Prepare bedrock groundwater contours based on quarterly water level measurements collected during the year.

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 2012 were below the concentration and mass loading discharge limits established by NYSDEC 11 of 12 months. O-chlorotoluene exceeded the concentration and mass loading discharge limit in the December 2012 effluent sample due to an air stripper malfunction. In response, AECOM's subcontractor, Matrix Environmental Technologies, Inc., performed a maintenance visit to dismantle and acid wash the system (January 8, 2013); the subsequent effluent sample collected January 11, 2013 showed no exceedance of the concentration or mass loading discharge limits.

Analytical test results for the 2012 monthly aqueous effluent samples are included in the 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 2012. 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 2012 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 organic compound analytical test detections for the annual 2012 groundwater-sampling event is included as Table 2, Detection Summary. The complete 2012 groundwater sample analytical laboratory report is included as Attachment B.

IV. O&M PLAN COMPLIANCE

SC Holdings performed the following activities as part of the Operation & Maintenance (O&M) Plan requirements:

Soil Vapor Extraction System

Third party consultants (MMCE) performed the following activities in 2012 as part of quarterly visits to the site:

- Visually observed each SVE passive vent riser for damage.

Groundwater Collection and Treatment System

Third party consultants (AECOM) performed the following activities in 2012 as part of 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 and cleaning of stripper trays. Performed acid washes quarterly or more often if necessary to promote optimum removal of volatile organic compounds, 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 monthly O&M visits. With the exception of general maintenance work performed on pumps and sensors, as described in the monthly O&M reports, no significant issues have occurred to the groundwater collection and treatment system. During November 2012, the treated effluent discharge line between the treatment building and South Branch of Smokes Creek was mechanically cleaned to remove mineralogic/biologic growth and obstructions. Results of the treatment system performance are discussed in Section III.

V. CONCLUSIONS AND RECOMMENDATIONS

Groundwater Collection and Treatment

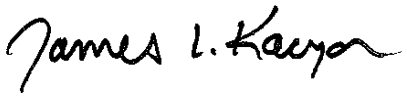
A comparison of the monthly influent vs. effluent analytical test results shows that the groundwater collection and treatment system continues to remove contaminants from groundwater at the Chem-Trol site. A plot of the influent o-chlorotoluene concentration versus time (see Figure 6) indicates that 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. Mark R. Snyder (585-223-6922) 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, 2012 Annual Groundwater Data Report)

cc. Mark R. Snyder, P.E. (SC Holdings, Inc.) w/attachments
Daniel Servetas, P.E. (AECOM), w/attachments
60164822 Project File

TABLES

Table 1: Summary of Groundwater Elevations - 2012

Table 2: Groundwater Sample Detection Summary – 2012

Table 1
Chem-Trol Site
Summary of Groundwater Elevation Measurements - 2012

	1Q		2Q		3Q		4Q	
Well	3/27/2012		5/30/2012		9/20/2012		12/11/2012	
OW-1FR	608.06		605.97		605.42		609.54	
P97-5	607.92		605.95		605.45		609.24	
MW10S	609.10		609.05	dry	609.15	dry	610.18	dry
MW10R	608.26		606.17		605.57		609.49	
P97-4	607.94		605.80		605.35		609.34	
MW 13R	607.89		605.94		605.44		609.14	
MW 8S	610.76		610.28		609.93		610.17	
MW 8R	608.27		606.28		605.73		609.43	
P97 - 3	607.99		605.81		605.26		609.51	
MW 9RD	611.72		611.93		611.93		609.79	
MW 9R	608.08		605.92		605.17		609.62	
MW 9S	609.74		609.29	dry	609.30	dry	611.05	
P97 - 2	610.71		609.42		608.37		611.26	
P97 - 1	612.23		611.27		609.65		612.37	
MW 12R	613.18		612.64		609.59		615.48	
MW 12S	615.23		613.22		611.57	dry	617.67	
MW14R	612.93		612.60		611.85		612.23	
OW-2FR	608.05		605.84		605.24		609.67	
MW 4S	624.09		622.23		621.48		623.05	
MW 4R	607.82		605.72		605.42		609.31	
P4S	620.54		620.54		620.44		621.03	
MW 3S	620.24		619.44		618.34		619.74	
P - 3R	619.31		619.17		619.17		619.11	
P - 3S	635.46		635.46		634.86		634.86	
OW - 3R	614.87		614.48		613.93		615.06	
P-5S	626.28		624.79		623.84	dry	628.08	
P-5R	618.34		617.13		616.08		618.04	
MW-5S	624.58		623.38		622.08		624.50	
P-2R	638.45		624.79		630.56		641.74	
P2-S	637.94		617.13		637.44		637.44	
MW-2S	638.25		623.38		631.45		638.04	
MW-6S	630.26		635.51		625.19		629.77	
MW 6R	621.09		636.44		619.19		620.84	
P-1S	637.25		636.45		630.65		637.04	
MW 1R	637.86		635.86		631.46		637.67	
MW 1S	639.80		637.25		631.05		639.96	
MW 7S	638.28		635.00		631.35		636.74	
MW 7R	637.31		631.49		631.68		637.21	

TABLE 2
Detection Summary

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: DUP — Lab Sample ID: 480-26808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	410		25		ug/L	5		8260B	Total/NA

Client Sample ID: MW-13R — Lab Sample ID: 480-26808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	410		25		ug/L	5		8260B	Total/NA

Client Sample ID: MW-15R — Lab Sample ID: 480-26808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.0		5.0		ug/L	1		8260B	Total/NA
Cyclohexane	70		5.0		ug/L	1		8260B	Total/NA
Methylcyclohexane	44		5.0		ug/L	1		8260B	Total/NA
Xylenes, Total	27		15		ug/L	1		8260B	Total/NA

Client Sample ID: MW-3S — Lab Sample ID: 480-26808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	91000		10000		ug/L	2000		8260B	Total/NA

Client Sample ID: MW-7R — Lab Sample ID: 480-26808-5

No Detections

Client Sample ID: MW-8R — Lab Sample ID: 480-26808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	34		5.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-9R — Lab Sample ID: 480-26808-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	410		25		ug/L	5		8260B	Total/NA
1,1-Dichloroethane	150		25		ug/L	5		8260B	Total/NA
o-Chlorotoluene	380		25		ug/L	5		8260B	Total/NA
Chloroethane	29		25		ug/L	5		8260B	Total/NA

Client Sample ID: TB — Lab Sample ID: 480-26808-8

No Detections

FIGURES

Figure 1: Site Plan

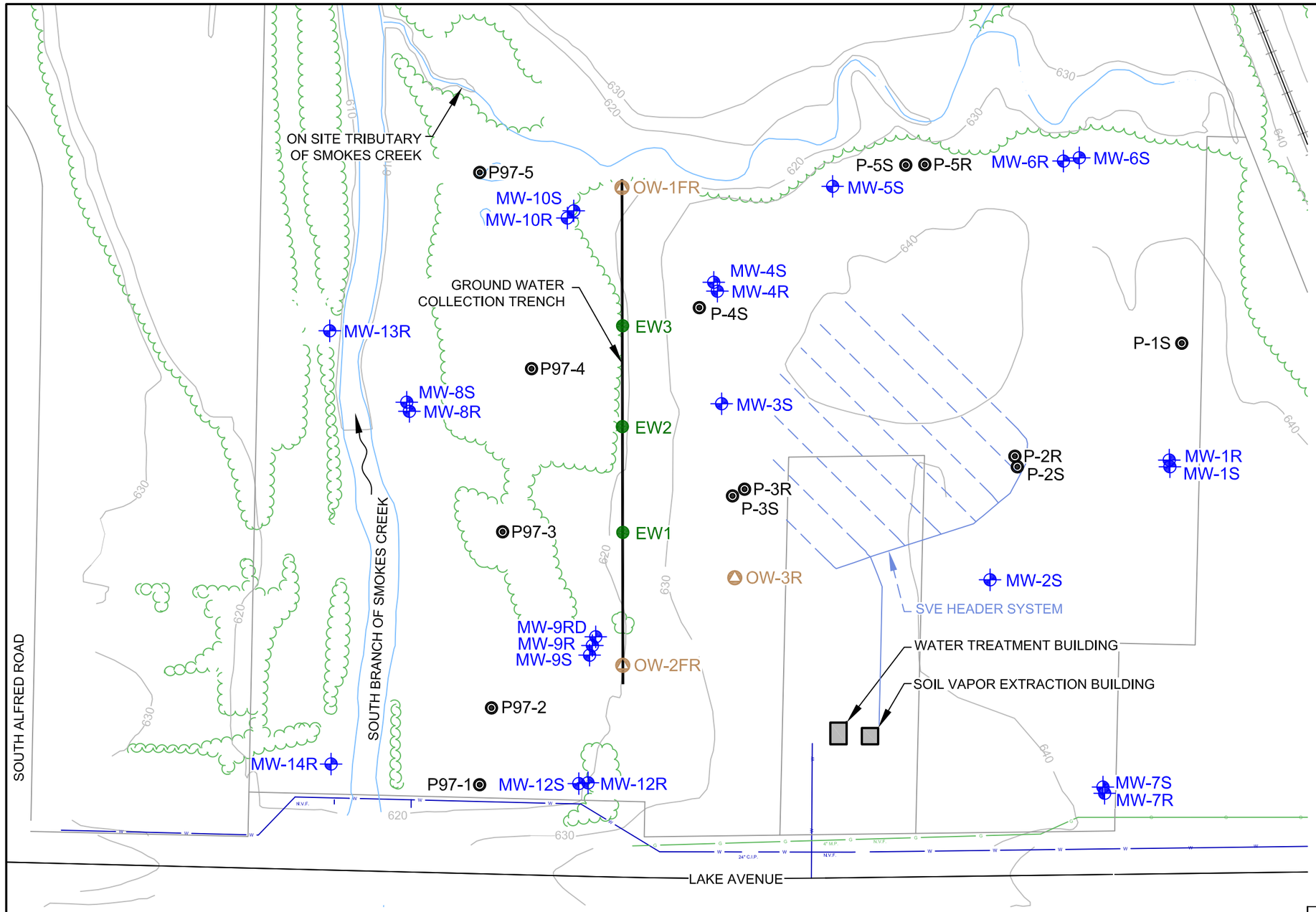
Figure 2: Bedrock Groundwater Contours – March 27, 2012

Figure 3: Bedrock Groundwater Contours – May 30, 2012

Figure 4: Bedrock Groundwater Contours – September 20, 2012

Figure 5: Bedrock Groundwater Contours – December 11, 2012

Figure 6: Influent o-Chlorotoluene Concentration 2002 - 2012



N

LEGEND:

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

NOTE:

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

0 50 100 200

SCALE IN FEET

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

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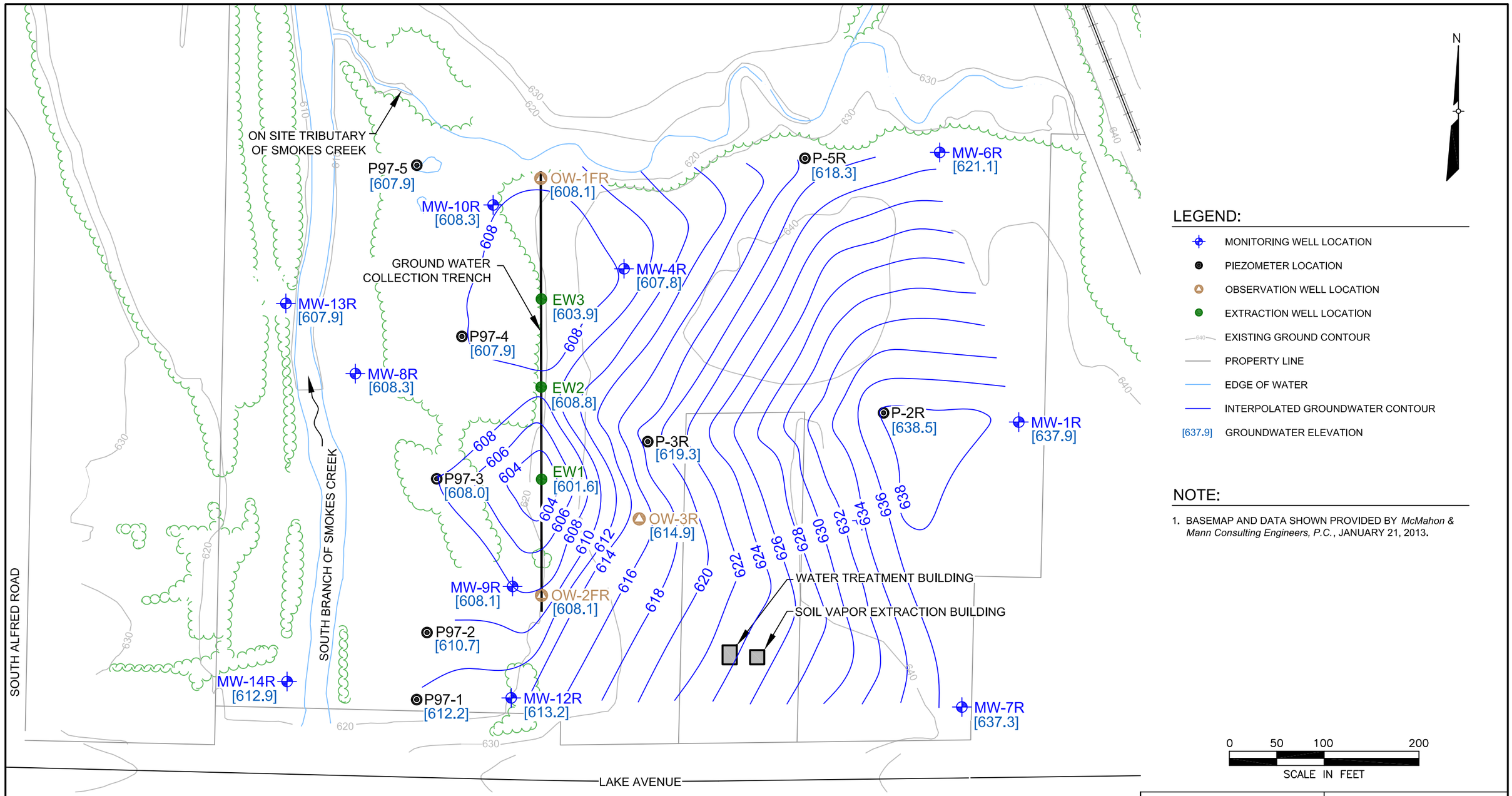
FIGURE 1
SITE PLAN

CHEM-TROL
ERIE COUNTY, NEW YORK

FEBRUARY 2013 60164822

L:\Group\earth\Chem-Trol\60164822_001 Site Plan.dwg, 2/25/2013 11:46:57 AM, Splawnm



SOURCE: BASEMAP AND DATA SHOWN PROVIDED BY McMahon & Mann Consulting Engineers, P.C., JANUARY 21, 2013.

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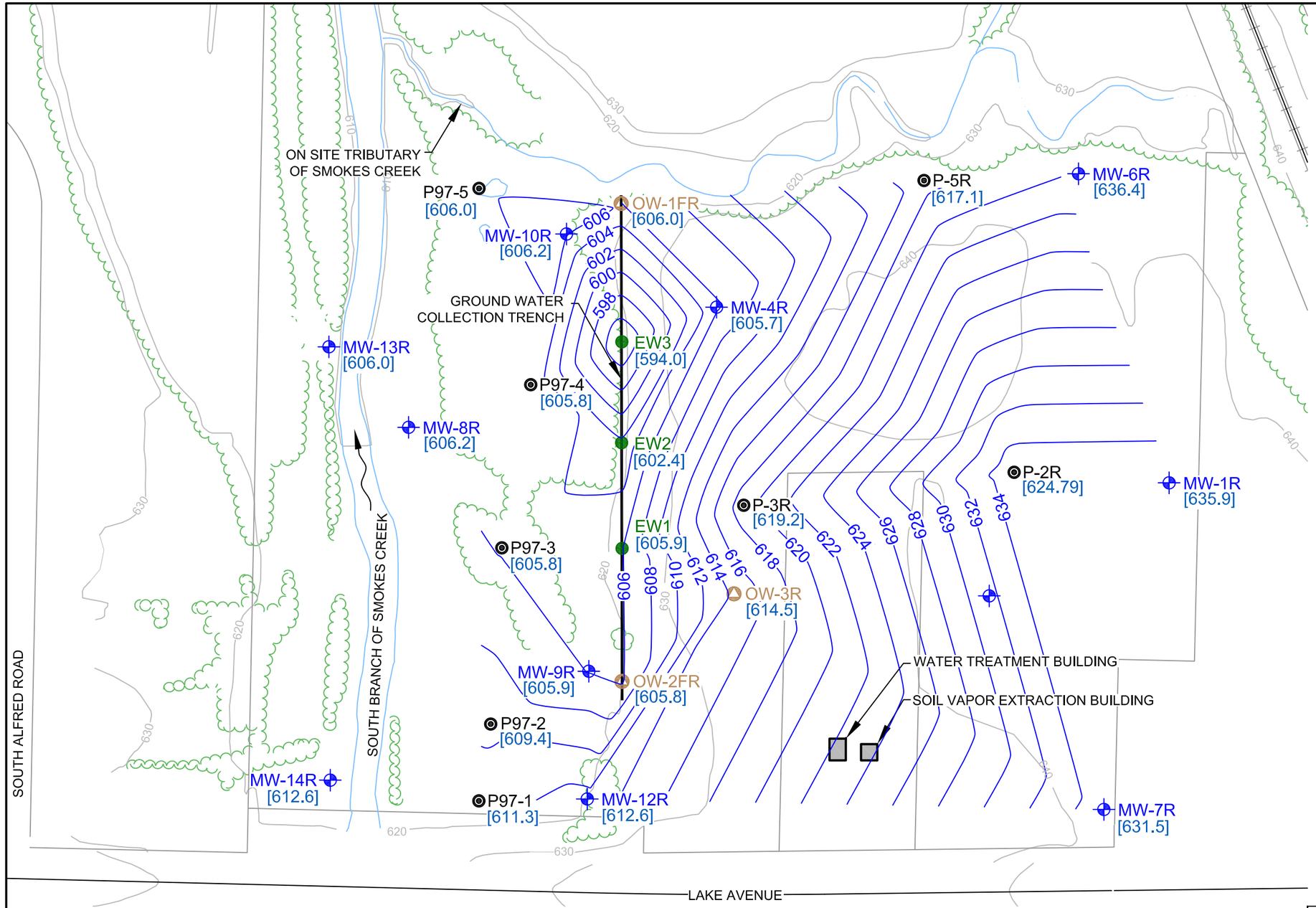
FIGURE 2
BEDROCK GROUNDWATER CONTOURS
MARCH 27, 2012

CHEM-TROL
ERIE COUNTY, NEW YORK

FEBRUARY 2013 60164822



SOURCE: BASEMAP AND DATA SHOWN PROVIDED BY McMahon & Mann Consulting Engineers, P.C., JANUARY 21, 2013.

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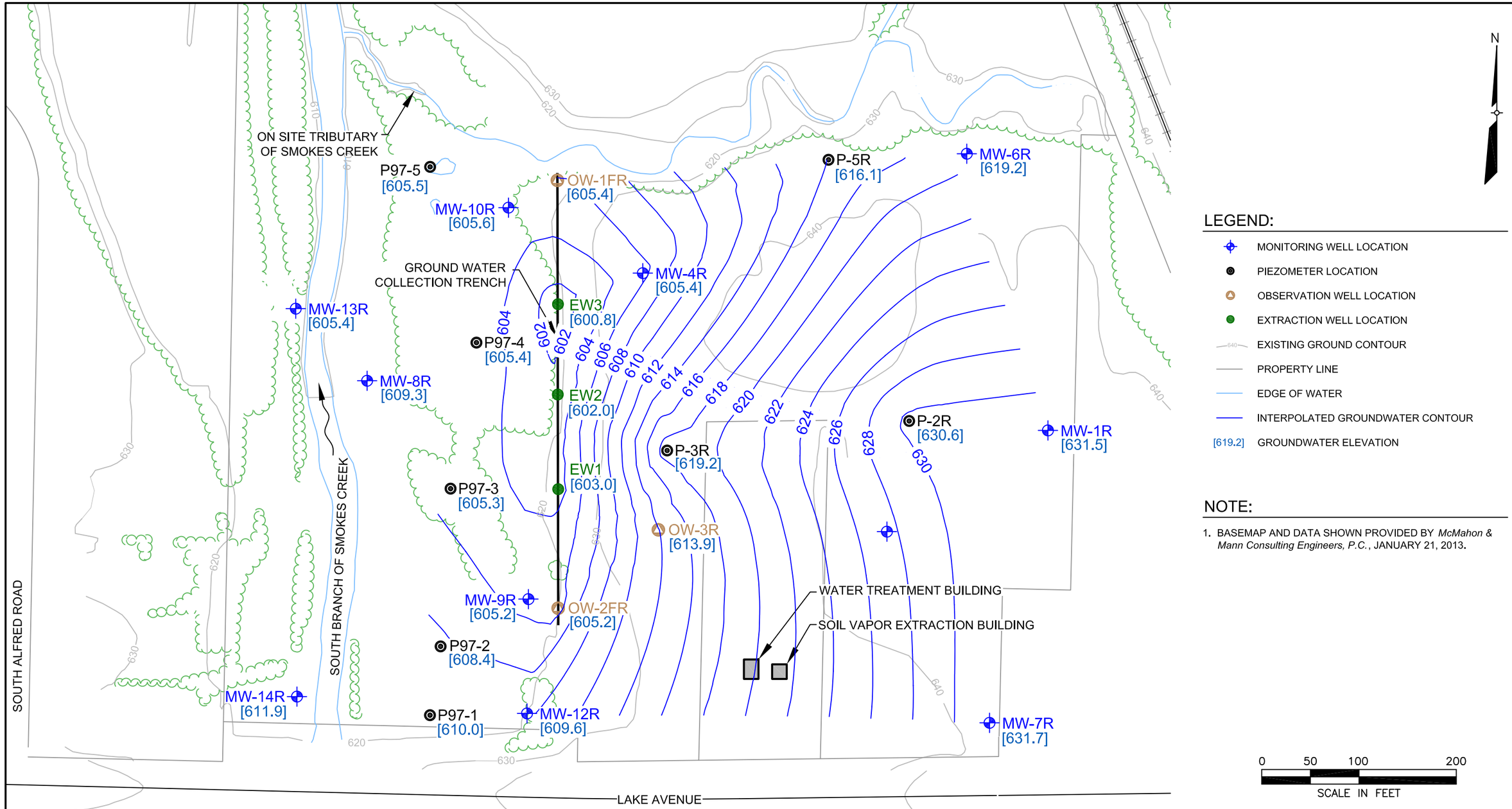
FIGURE 3
BEDROCK GROUNDWATER CONTOURS
MAY 30, 2012

CHEM-TROL
ERIE COUNTY, NEW YORK

FEBRUARY 2013 60164822



LEGEND:

- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- OBSERVATION WELL LOCATION
- EXTRACTION WELL LOCATION
- EXISTING GROUND CONTOUR
- PROPERTY LINE
- EDGE OF WATER
- INTERPOLATED GROUNDWATER CONTOUR
- [619.2] GROUNDWATER ELEVATION

NOTE:

1. BASEMAP AND DATA SHOWN PROVIDED BY *McMahon & Mann Consulting Engineers, P.C.*, JANUARY 21, 2013.

0 50 100 200

SCALE IN FEET

SOURCE: BASEMAP AND DATA SHOWN PROVIDED BY McMahon & Mann Consulting Engineers, P.C., JANUARY 21, 2013.

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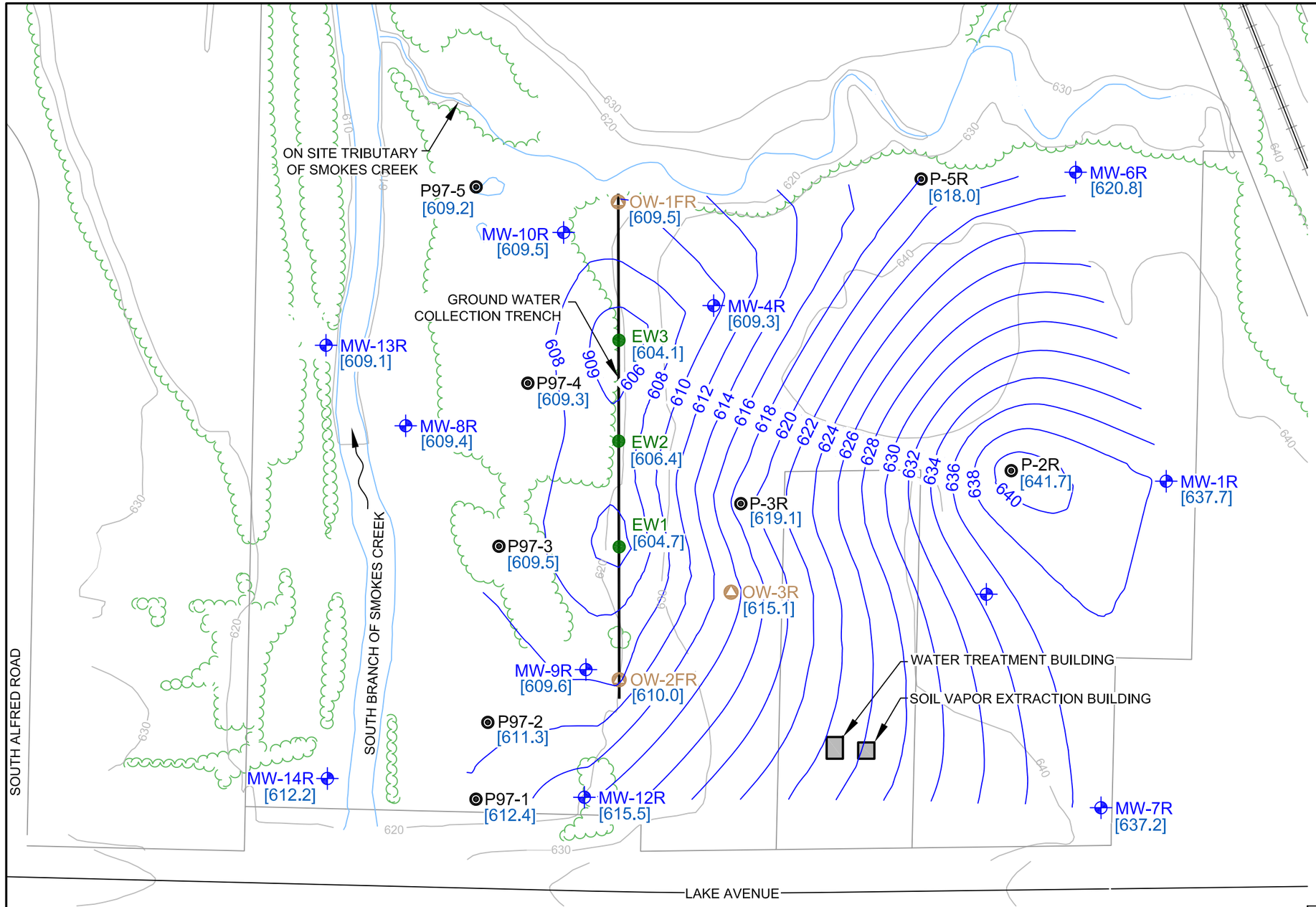
FIGURE 4
BEDROCK GROUNDWATER CONTOURS SEPTEMBER 20, 2012

CHEM-TROL
ERIE COUNTY, NEW YORK

FEBRUARY 2013 60164822



SOURCE: BASEMAP AND DATA SHOWN PROVIDED BY McMahon & Mann Consulting Engineers, P.C., JANUARY 21, 2013.

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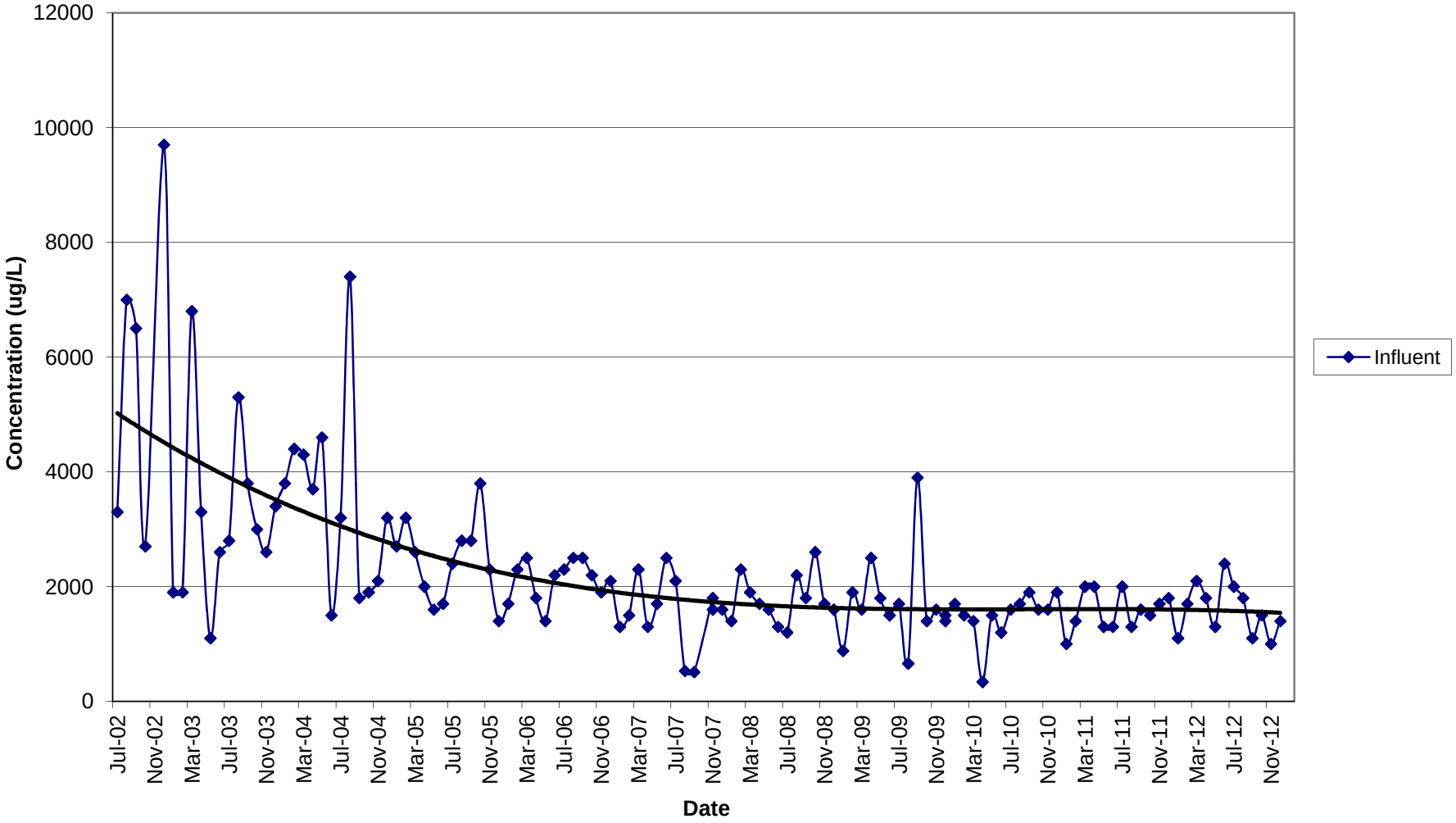
FIGURE 5
BEDROCK GROUNDWATER CONTOURS
DECEMBER 11, 2012

CHEM-TROL
ERIE COUNTY, NEW YORK

FEBRUARY 2013 60164822

FIGURE 6

Chem-Trol Groundwater Treatment System
Influent o-Chlorotoluene Concentration
2002-2012



ATTACHMENT A

Completed IC/EC Forms

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, 2012 to February 15, 2013

	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

SITE NO. 915015 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
151.02-1-14.1	Waste Management	Ground Water Use Restriction Landuse Restriction Monitoring Plan O&M Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
151.02-1-14.1	Cover System Fencing/Access Control Groundwater Containment Groundwater Treatment System Leachate Collection

Control Description for Site No. 915015

Parcel: 151.02-1-14.1

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

Source Control Elements:

- "Hot Spot" Soils Removal;
- Tributary Sediment Excavation/Disposal;
- Site Soils Cover; and
- Soil Vapor Extraction (passive state as of 2/10).

Groundwater Control Elements:

- Groundwater Extraction, On-Site Treatment, and Discharge Compliance Monitoring; and
- Groundwater Quality Monitoring.

Discharge compliance monitoring, groundwater elevations and groundwater quality monitoring are completed to confirm that the remedy remains protective of public health and the environment.

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.

Box 5

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 compete.

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 Mark R. Snyder (print name) at 425 Perinton Parkway, Fairport, NY 14450 (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

March 6, 2013
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)

STATE OF NEW YORK
DANIEL T. SERVETAS
079068
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

3/7/2013
Date

ATTACHMENT B

2012 Annual Groundwater Sample Laboratory Report

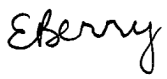
ANALYTICAL REPORT

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

TestAmerica Job ID: 480-26808-1
Client Project/Site: ChemTrol Site - Groundwater
Sampling Event: ChemTrol Annual Groundwater

For:
Waste Management
425 Perinton Parkway
Fairport, New York 14450

Attn: Mr. Mark Snyder



Authorized for release by:
10/26/2012 3:07:08 PM
Eve Berry
Project Administrator
eve.berry@testamericainc.com

Designee for

Ryan VanDette
Project Manager I
ryan.vandette@testamericainc.com

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Definitions/Glossary

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

TestAmerica Job ID: 480-26808-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-26808-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-26808-1

Receipt
The samples were received on 10/17/2012 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: MW-3S (480-26808-4), MW-9R (480-26808-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (480-26808-2 MS), (480-26808-2 MSD), DUP (480-26808-1), MW-13R (480-26808-2), MW-3S (480-26808-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike (MS) recoveries for batch 86911 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: DUP (480-26808-1), MW-9R (480-26808-7). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Detection Summary

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: DUP — Lab Sample ID: 480-26808-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	410		25		ug/L	5		8260B	Total/NA

Client Sample ID: MW-13R — Lab Sample ID: 480-26808-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	410		25		ug/L	5		8260B	Total/NA

Client Sample ID: MW-15R — Lab Sample ID: 480-26808-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	6.0		5.0		ug/L	1		8260B	Total/NA
Cyclohexane	70		5.0		ug/L	1		8260B	Total/NA
Methylcyclohexane	44		5.0		ug/L	1		8260B	Total/NA
Xylenes, Total	27		15		ug/L	1		8260B	Total/NA

Client Sample ID: MW-3S — Lab Sample ID: 480-26808-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene - DL	91000		10000		ug/L	2000		8260B	Total/NA

Client Sample ID: MW-7R — Lab Sample ID: 480-26808-5

No Detections

Client Sample ID: MW-8R — Lab Sample ID: 480-26808-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Chlorotoluene	34		5.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-9R — Lab Sample ID: 480-26808-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	410		25		ug/L	5		8260B	Total/NA
1,1-Dichloroethane	150		25		ug/L	5		8260B	Total/NA
o-Chlorotoluene	380		25		ug/L	5		8260B	Total/NA
Chloroethane	29		25		ug/L	5		8260B	Total/NA

Client Sample ID: TB — Lab Sample ID: 480-26808-8

No Detections

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: DUP
Date Collected: 10/17/12 13:15
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 12:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 12:51	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 12:51	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 12:51	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 12:51	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 12:51	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 12:51	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 12:51	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 12:51	1
2-Hexanone	ND		25		ug/L			10/22/12 12:51	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 12:51	1
Acetone	ND		25		ug/L			10/22/12 12:51	1
Benzene	ND		5.0		ug/L			10/22/12 12:51	1
Bromoform	ND		5.0		ug/L			10/22/12 12:51	1
Bromomethane	ND		5.0		ug/L			10/22/12 12:51	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 12:51	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 12:51	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 12:51	1
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 12:51	1
Chloroethane	ND		5.0		ug/L			10/22/12 12:51	1
Chloroform	ND		5.0		ug/L			10/22/12 12:51	1
Chloromethane	ND		5.0		ug/L			10/22/12 12:51	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 12:51	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 12:51	1
Cyclohexane	ND		5.0		ug/L			10/22/12 12:51	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 12:51	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 12:51	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 12:51	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 12:51	1
Methyl acetate	ND		5.0		ug/L			10/22/12 12:51	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 12:51	1
Methylcyclohexane	ND		5.0		ug/L			10/22/12 12:51	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 12:51	1
Styrene	ND		5.0		ug/L			10/22/12 12:51	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 12:51	1
Toluene	ND		5.0		ug/L			10/22/12 12:51	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 12:51	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 12:51	1
Trichloroethene	ND		5.0		ug/L			10/22/12 12:51	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 12:51	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 12:51	1
Xylenes, Total	ND		15		ug/L			10/22/12 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*10/22/12 12:51*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*10/22/12 12:51*	*1*

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: DUP

Lab Sample ID: 480-26808-1

Date Collected: 10/17/12 13:15
Matrix: Water
Date Received: 10/17/12 15:30

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*10/22/12 12:51*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	410		25		ug/L			10/23/12 00:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/23/12 00:55*	*5*
Toluene-d8 (Surr)	*89*		*71 - 126*		*10/23/12 00:55*	*5*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*10/23/12 00:55*	*5*

Client Sample ID: MW-13R

Lab Sample ID: 480-26808-2

Date Collected: 10/17/12 13:15
Matrix: Water
Date Received: 10/17/12 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		25		ug/L			10/23/12 01:20	5
1,1,2,2-Tetrachloroethane	ND		25		ug/L			10/23/12 01:20	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25		ug/L			10/23/12 01:20	5
1,1,2-Trichloroethane	ND		25		ug/L			10/23/12 01:20	5
1,1-Dichloroethane	ND		25		ug/L			10/23/12 01:20	5
1,2,4-Trichlorobenzene	ND		25		ug/L			10/23/12 01:20	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			10/23/12 01:20	5
1,2-Dibromoethane	ND		25		ug/L			10/23/12 01:20	5
1,2-Dichlorobenzene	ND		25		ug/L			10/23/12 01:20	5
1,2-Dichloroethane	ND		25		ug/L			10/23/12 01:20	5
1,2-Dichloropropane	ND		25		ug/L			10/23/12 01:20	5
1,3-Dichlorobenzene	ND		25		ug/L			10/23/12 01:20	5
1,4-Dichlorobenzene	ND		25		ug/L			10/23/12 01:20	5
2-Butanone (MEK)	ND		130		ug/L			10/23/12 01:20	5
o-Chlorotoluene	410		25		ug/L			10/23/12 01:20	5
2-Hexanone	ND		130		ug/L			10/23/12 01:20	5
4-Methyl-2-pentanone (MIBK)	ND		130		ug/L			10/23/12 01:20	5
Acetone	ND		130		ug/L			10/23/12 01:20	5
Benzene	ND		25		ug/L			10/23/12 01:20	5
Bromoform	ND		25		ug/L			10/23/12 01:20	5
Bromomethane	ND		25		ug/L			10/23/12 01:20	5
Carbon disulfide	ND		25		ug/L			10/23/12 01:20	5
Carbon tetrachloride	ND		25		ug/L			10/23/12 01:20	5
Chlorobenzene	ND		25		ug/L			10/23/12 01:20	5
Chlorodibromomethane	ND		25		ug/L			10/23/12 01:20	5
Chloroethane	ND		25		ug/L			10/23/12 01:20	5
Chloroform	ND		25		ug/L			10/23/12 01:20	5
Chloromethane	ND		25		ug/L			10/23/12 01:20	5
cis-1,2-Dichloroethene	ND		25		ug/L			10/23/12 01:20	5
cis-1,3-Dichloropropene	ND		25		ug/L			10/23/12 01:20	5
Cyclohexane	ND		25		ug/L			10/23/12 01:20	5
Bromodichloromethane	ND		25		ug/L			10/23/12 01:20	5
Dichlorofluoromethane	ND		25		ug/L			10/23/12 01:20	5
Ethylbenzene	ND		25		ug/L			10/23/12 01:20	5

Client Sample ID: MW-13R

Lab Sample ID: 480-26808-2

Date Collected: 10/17/12 13:15

Matrix: Water

Date Received: 10/17/12 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		25		ug/L			10/23/12 01:20	5
Methyl acetate	ND		25		ug/L			10/23/12 01:20	5
Methyl tert-butyl ether	ND		25		ug/L			10/23/12 01:20	5
Methylcyclohexane	ND		25		ug/L			10/23/12 01:20	5
Methylene Chloride	ND		25		ug/L			10/23/12 01:20	5
Styrene	ND		25		ug/L			10/23/12 01:20	5
Tetrachloroethene	ND		25		ug/L			10/23/12 01:20	5
Toluene	ND		25		ug/L			10/23/12 01:20	5
trans-1,2-Dichloroethene	ND		25		ug/L			10/23/12 01:20	5
trans-1,3-Dichloropropene	ND		25		ug/L			10/23/12 01:20	5
Trichloroethene	ND		25		ug/L			10/23/12 01:20	5
Trichlorofluoromethane	ND		25		ug/L			10/23/12 01:20	5
Vinyl chloride	ND		25		ug/L			10/23/12 01:20	5
Xylenes, Total	ND		75		ug/L			10/23/12 01:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/23/12 01:20*	*5*
Toluene-d8 (Surr)	*86*		*71 - 126*		*10/23/12 01:20*	*5*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*10/23/12 01:20*	*5*

Client Sample ID: MW-15R

Lab Sample ID: 480-26808-3

Date Collected: 10/17/12 13:25

Matrix: Water

Date Received: 10/17/12 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 13:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 13:42	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 13:42	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 13:42	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 13:42	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 13:42	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 13:42	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 13:42	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 13:42	1
o-Chlorotoluene	ND		5.0		ug/L			10/22/12 13:42	1
2-Hexanone	ND		25		ug/L			10/22/12 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 13:42	1
Acetone	ND		25		ug/L			10/22/12 13:42	1
Benzene	**6.0**		5.0		ug/L			10/22/12 13:42	1
Bromoform	ND		5.0		ug/L			10/22/12 13:42	1
Bromomethane	ND		5.0		ug/L			10/22/12 13:42	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 13:42	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 13:42	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 13:42	1
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 13:42	1

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-15R

Lab Sample ID: 480-26808-3

Date Collected: 10/17/12 13:25

Matrix: Water

Date Received: 10/17/12 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		5.0		ug/L			10/22/12 13:42	1
Chloroform	ND		5.0		ug/L			10/22/12 13:42	1
Chloromethane	ND		5.0		ug/L			10/22/12 13:42	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 13:42	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 13:42	1
Cyclohexane	**70**		5.0		ug/L			10/22/12 13:42	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 13:42	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 13:42	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 13:42	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 13:42	1
Methyl acetate	ND		5.0		ug/L			10/22/12 13:42	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 13:42	1
Methylcyclohexane	**44**		5.0		ug/L			10/22/12 13:42	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 13:42	1
Styrene	ND		5.0		ug/L			10/22/12 13:42	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 13:42	1
Toluene	ND		5.0		ug/L			10/22/12 13:42	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 13:42	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 13:42	1
Trichloroethene	ND		5.0		ug/L			10/22/12 13:42	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 13:42	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 13:42	1
Xylenes, Total	**27**		15		ug/L			10/22/12 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*10/22/12 13:42*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*10/22/12 13:42*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*10/22/12 13:42*	*1*

Client Sample ID: MW-3S

Lab Sample ID: 480-26808-4

Date Collected: 10/17/12 13:35

Matrix: Water

Date Received: 10/17/12 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4000		ug/L			10/22/12 14:07	800
1,1,2,2-Tetrachloroethane	ND		4000		ug/L			10/22/12 14:07	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000		ug/L			10/22/12 14:07	800
1,1,2-Trichloroethane	ND		4000		ug/L			10/22/12 14:07	800
1,1-Dichloroethane	ND		4000		ug/L			10/22/12 14:07	800
1,2,4-Trichlorobenzene	ND		4000		ug/L			10/22/12 14:07	800
1,2-Dibromo-3-Chloropropane	ND		4000		ug/L			10/22/12 14:07	800
1,2-Dibromoethane	ND		4000		ug/L			10/22/12 14:07	800
1,2-Dichlorobenzene	ND		4000		ug/L			10/22/12 14:07	800
1,2-Dichloroethane	ND		4000		ug/L			10/22/12 14:07	800
1,2-Dichloropropane	ND		4000		ug/L			10/22/12 14:07	800
1,3-Dichlorobenzene	ND		4000		ug/L			10/22/12 14:07	800
1,4-Dichlorobenzene	ND		4000		ug/L			10/22/12 14:07	800
2-Butanone (MEK)	ND		20000		ug/L			10/22/12 14:07	800
2-Hexanone	ND		20000		ug/L			10/22/12 14:07	800
4-Methyl-2-pentanone (MIBK)	ND		20000		ug/L			10/22/12 14:07	800

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-3S
Date Collected: 10/17/12 13:35
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20000		ug/L			10/22/12 14:07	800
Benzene	ND		4000		ug/L			10/22/12 14:07	800
Bromoform	ND		4000		ug/L			10/22/12 14:07	800
Bromomethane	ND		4000		ug/L			10/22/12 14:07	800
Carbon disulfide	ND		4000		ug/L			10/22/12 14:07	800
Carbon tetrachloride	ND		4000		ug/L			10/22/12 14:07	800
Chlorobenzene	ND		4000		ug/L			10/22/12 14:07	800
Chlorodibromomethane	ND		4000		ug/L			10/22/12 14:07	800
Chloroethane	ND		4000		ug/L			10/22/12 14:07	800
Chloroform	ND		4000		ug/L			10/22/12 14:07	800
Chloromethane	ND		4000		ug/L			10/22/12 14:07	800
cis-1,2-Dichloroethene	ND		4000		ug/L			10/22/12 14:07	800
cis-1,3-Dichloropropene	ND		4000		ug/L			10/22/12 14:07	800
Cyclohexane	ND		4000		ug/L			10/22/12 14:07	800
Bromodichloromethane	ND		4000		ug/L			10/22/12 14:07	800
Dichlorofluoromethane	ND		4000		ug/L			10/22/12 14:07	800
Ethylbenzene	ND		4000		ug/L			10/22/12 14:07	800
Isopropylbenzene	ND		4000		ug/L			10/22/12 14:07	800
Methyl acetate	ND		4000		ug/L			10/22/12 14:07	800
Methyl tert-butyl ether	ND		4000		ug/L			10/22/12 14:07	800
Methylcyclohexane	ND		4000		ug/L			10/22/12 14:07	800
Methylene Chloride	ND		4000		ug/L			10/22/12 14:07	800
Styrene	ND		4000		ug/L			10/22/12 14:07	800
Tetrachloroethene	ND		4000		ug/L			10/22/12 14:07	800
Toluene	ND		4000		ug/L			10/22/12 14:07	800
trans-1,2-Dichloroethene	ND		4000		ug/L			10/22/12 14:07	800
trans-1,3-Dichloropropene	ND		4000		ug/L			10/22/12 14:07	800
Trichloroethene	ND		4000		ug/L			10/22/12 14:07	800
Trichlorofluoromethane	ND		4000		ug/L			10/22/12 14:07	800
Vinyl chloride	ND		4000		ug/L			10/22/12 14:07	800
Xylenes, Total	ND		12000		ug/L			10/22/12 14:07	800

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/22/12 14:07*	*800*
Toluene-d8 (Surr)	*86*		*71 - 126*		*10/22/12 14:07*	*800*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*10/22/12 14:07*	*800*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	91000		10000		ug/L			10/23/12 01:45	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/23/12 01:45*	*2000*
Toluene-d8 (Surr)	*87*		*71 - 126*		*10/23/12 01:45*	*2000*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*10/23/12 01:45*	*2000*

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-7R
Date Collected: 10/17/12 14:00
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 14:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 14:32	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 14:32	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:32	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 14:32	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 14:32	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:32	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:32	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 14:32	1
o-Chlorotoluene	ND		5.0		ug/L			10/22/12 14:32	1
2-Hexanone	ND		25		ug/L			10/22/12 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 14:32	1
Acetone	ND		25		ug/L			10/22/12 14:32	1
Benzene	ND		5.0		ug/L			10/22/12 14:32	1
Bromoform	ND		5.0		ug/L			10/22/12 14:32	1
Bromomethane	ND		5.0		ug/L			10/22/12 14:32	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 14:32	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 14:32	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 14:32	1
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 14:32	1
Chloroethane	ND		5.0		ug/L			10/22/12 14:32	1
Chloroform	ND		5.0		ug/L			10/22/12 14:32	1
Chloromethane	ND		5.0		ug/L			10/22/12 14:32	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 14:32	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 14:32	1
Cyclohexane	ND		5.0		ug/L			10/22/12 14:32	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 14:32	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 14:32	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 14:32	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 14:32	1
Methyl acetate	ND		5.0		ug/L			10/22/12 14:32	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 14:32	1
Methylcyclohexane	ND		5.0		ug/L			10/22/12 14:32	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 14:32	1
Styrene	ND		5.0		ug/L			10/22/12 14:32	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 14:32	1
Toluene	ND		5.0		ug/L			10/22/12 14:32	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 14:32	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 14:32	1
Trichloroethene	ND		5.0		ug/L			10/22/12 14:32	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 14:32	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 14:32	1
Xylenes, Total	ND		15		ug/L			10/22/12 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/22/12 14:32*	*1*

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-7R

Date Collected: 10/17/12 14:00
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-5
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		71 - 126		10/22/12 14:32	1
4-Bromofluorobenzene (Surr)	82		73 - 120		10/22/12 14:32	1

Client Sample ID: MW-8R

Date Collected: 10/17/12 13:05
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 14:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 14:57	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 14:57	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:57	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 14:57	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 14:57	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:57	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 14:57	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 14:57	1
o-Chlorotoluene	**34**		5.0		ug/L			10/22/12 14:57	1
2-Hexanone	ND		25		ug/L			10/22/12 14:57	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 14:57	1
Acetone	ND		25		ug/L			10/22/12 14:57	1
Benzene	ND		5.0		ug/L			10/22/12 14:57	1
Bromoform	ND		5.0		ug/L			10/22/12 14:57	1
Bromomethane	ND		5.0		ug/L			10/22/12 14:57	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 14:57	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 14:57	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 14:57	1
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 14:57	1
Chloroethane	ND		5.0		ug/L			10/22/12 14:57	1
Chloroform	ND		5.0		ug/L			10/22/12 14:57	1
Chloromethane	ND		5.0		ug/L			10/22/12 14:57	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 14:57	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 14:57	1
Cyclohexane	ND		5.0		ug/L			10/22/12 14:57	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 14:57	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 14:57	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 14:57	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 14:57	1
Methyl acetate	ND		5.0		ug/L			10/22/12 14:57	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 14:57	1
Methylcyclohexane	ND		5.0		ug/L			10/22/12 14:57	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 14:57	1
Styrene	ND		5.0		ug/L			10/22/12 14:57	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 14:57	1
Toluene	ND		5.0		ug/L			10/22/12 14:57	1

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-8R

Lab Sample ID: 480-26808-6

Date Collected: 10/17/12 13:05

Matrix: Water

Date Received: 10/17/12 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 14:57	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 14:57	1
Trichloroethene	ND		5.0		ug/L			10/22/12 14:57	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 14:57	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 14:57	1
Xylenes, Total	ND		15		ug/L			10/22/12 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*10/22/12 14:57*	*1*
Toluene-d8 (Surr)	*84*		*71 - 126*		*10/22/12 14:57*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*10/22/12 14:57*	*1*

Client Sample ID: MW-9R

Lab Sample ID: 480-26808-7

Date Collected: 10/17/12 13:45

Matrix: Water

Date Received: 10/17/12 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**410**		25		ug/L			10/25/12 02:21	5
1,1,2,2-Tetrachloroethane	ND		25		ug/L			10/25/12 02:21	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25		ug/L			10/25/12 02:21	5
1,1,2-Trichloroethane	ND		25		ug/L			10/25/12 02:21	5
1,1-Dichloroethane	**150**		25		ug/L			10/25/12 02:21	5
1,2,4-Trichlorobenzene	ND		25		ug/L			10/25/12 02:21	5
1,2-Dibromo-3-Chloropropane	ND		25		ug/L			10/25/12 02:21	5
1,2-Dibromoethane	ND		25		ug/L			10/25/12 02:21	5
1,2-Dichlorobenzene	ND		25		ug/L			10/25/12 02:21	5
1,2-Dichloroethane	ND		25		ug/L			10/25/12 02:21	5
1,2-Dichloropropane	ND		25		ug/L			10/25/12 02:21	5
1,3-Dichlorobenzene	ND		25		ug/L			10/25/12 02:21	5
1,4-Dichlorobenzene	ND		25		ug/L			10/25/12 02:21	5
2-Butanone (MEK)	ND		130		ug/L			10/25/12 02:21	5
o-Chlorotoluene	**380**		25		ug/L			10/25/12 02:21	5
2-Hexanone	ND		130		ug/L			10/25/12 02:21	5
4-Methyl-2-pentanone (MIBK)	ND		130		ug/L			10/25/12 02:21	5
Acetone	ND		130		ug/L			10/25/12 02:21	5
Benzene	ND		25		ug/L			10/25/12 02:21	5
Bromoform	ND		25		ug/L			10/25/12 02:21	5
Bromomethane	ND		25		ug/L			10/25/12 02:21	5
Carbon disulfide	ND		25		ug/L			10/25/12 02:21	5
Carbon tetrachloride	ND		25		ug/L			10/25/12 02:21	5
Chlorobenzene	ND		25		ug/L			10/25/12 02:21	5
Chlorodibromomethane	ND		25		ug/L			10/25/12 02:21	5
Chloroethane	**29**		25		ug/L			10/25/12 02:21	5
Chloroform	ND		25		ug/L			10/25/12 02:21	5
Chloromethane	ND		25		ug/L			10/25/12 02:21	5
cis-1,2-Dichloroethene	ND		25		ug/L			10/25/12 02:21	5
cis-1,3-Dichloropropene	ND		25		ug/L			10/25/12 02:21	5
Cyclohexane	ND		25		ug/L			10/25/12 02:21	5
Bromodichloromethane	ND		25		ug/L			10/25/12 02:21	5
Dichlorofluoromethane	ND		25		ug/L			10/25/12 02:21	5

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: MW-9R

Lab Sample ID: 480-26808-7

Date Collected: 10/17/12 13:45
Matrix: Water
Date Received: 10/17/12 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		25		ug/L			10/25/12 02:21	5
Isopropylbenzene	ND		25		ug/L			10/25/12 02:21	5
Methyl acetate	ND		25		ug/L			10/25/12 02:21	5
Methyl tert-butyl ether	ND		25		ug/L			10/25/12 02:21	5
Methylcyclohexane	ND		25		ug/L			10/25/12 02:21	5
Methylene Chloride	ND		25		ug/L			10/25/12 02:21	5
Styrene	ND		25		ug/L			10/25/12 02:21	5
Tetrachloroethene	ND		25		ug/L			10/25/12 02:21	5
Toluene	ND		25		ug/L			10/25/12 02:21	5
trans-1,2-Dichloroethene	ND		25		ug/L			10/25/12 02:21	5
trans-1,3-Dichloropropene	ND		25		ug/L			10/25/12 02:21	5
Trichloroethene	ND		25		ug/L			10/25/12 02:21	5
Trichlorofluoromethane	ND		25		ug/L			10/25/12 02:21	5
Vinyl chloride	ND		25		ug/L			10/25/12 02:21	5
Xylenes, Total	ND		75		ug/L			10/25/12 02:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*10/25/12 02:21*	*5*
Toluene-d8 (Surr)	*96*		*71 - 126*		*10/25/12 02:21*	*5*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*10/25/12 02:21*	*5*

Client Sample ID: TB

Lab Sample ID: 480-26808-8

Date Collected: 10/17/12 08:00
Matrix: Water
Date Received: 10/17/12 15:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 15:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 15:47	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 15:47	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 15:47	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 15:47	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 15:47	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 15:47	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 15:47	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 15:47	1
o-Chlorotoluene	ND		5.0		ug/L			10/22/12 15:47	1
2-Hexanone	ND		25		ug/L			10/22/12 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 15:47	1
Acetone	ND		25		ug/L			10/22/12 15:47	1
Benzene	ND		5.0		ug/L			10/22/12 15:47	1
Bromoform	ND		5.0		ug/L			10/22/12 15:47	1
Bromomethane	ND		5.0		ug/L			10/22/12 15:47	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 15:47	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 15:47	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 15:47	1

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

TestAmerica Job ID: 480-26808-1

Client Sample ID: TB
Date Collected: 10/17/12 08:00
Date Received: 10/17/12 15:30

Lab Sample ID: 480-26808-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 15:47	1
Chloroethane	ND		5.0		ug/L			10/22/12 15:47	1
Chloroform	ND		5.0		ug/L			10/22/12 15:47	1
Chloromethane	ND		5.0		ug/L			10/22/12 15:47	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 15:47	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 15:47	1
Cyclohexane	ND		5.0		ug/L			10/22/12 15:47	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 15:47	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 15:47	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 15:47	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 15:47	1
Methyl acetate	ND		5.0		ug/L			10/22/12 15:47	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 15:47	1
Methylcyclohexane	ND		5.0		ug/L			10/22/12 15:47	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 15:47	1
Styrene	ND		5.0		ug/L			10/22/12 15:47	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 15:47	1
Toluene	ND		5.0		ug/L			10/22/12 15:47	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 15:47	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 15:47	1
Trichloroethene	ND		5.0		ug/L			10/22/12 15:47	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 15:47	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 15:47	1
Xylenes, Total	ND		15		ug/L			10/22/12 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*10/22/12 15:47*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*		*10/22/12 15:47*	*1*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*10/22/12 15:47*	*1*

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

TestAmerica Job ID: 480-26808-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-86757/5
Matrix: Water
Analysis Batch: 86757

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			10/22/12 11:44	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/22/12 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/22/12 11:44	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/22/12 11:44	1
1,1-Dichloroethane	ND		5.0		ug/L			10/22/12 11:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/22/12 11:44	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/22/12 11:44	1
1,2-Dibromoethane	ND		5.0		ug/L			10/22/12 11:44	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/22/12 11:44	1
1,2-Dichloroethane	ND		5.0		ug/L			10/22/12 11:44	1
1,2-Dichloropropane	ND		5.0		ug/L			10/22/12 11:44	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/22/12 11:44	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/22/12 11:44	1
2-Butanone (MEK)	ND		25		ug/L			10/22/12 11:44	1
o-Chlorotoluene	ND		5.0		ug/L			10/22/12 11:44	1
2-Hexanone	ND		25		ug/L			10/22/12 11:44	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/22/12 11:44	1
Acetone	ND		25		ug/L			10/22/12 11:44	1
Benzene	ND		5.0		ug/L			10/22/12 11:44	1
Bromoform	ND		5.0		ug/L			10/22/12 11:44	1
Bromomethane	ND		5.0		ug/L			10/22/12 11:44	1
Carbon disulfide	ND		5.0		ug/L			10/22/12 11:44	1
Carbon tetrachloride	ND		5.0		ug/L			10/22/12 11:44	1
Chlorobenzene	ND		5.0		ug/L			10/22/12 11:44	1
Chlorodibromomethane	ND		5.0		ug/L			10/22/12 11:44	1
Chloroethane	ND		5.0		ug/L			10/22/12 11:44	1
Chloroform	ND		5.0		ug/L			10/22/12 11:44	1
Chloromethane	ND		5.0		ug/L			10/22/12 11:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 11:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 11:44	1
Cyclohexane	ND		5.0		ug/L			10/22/12 11:44	1
Bromodichloromethane	ND		5.0		ug/L			10/22/12 11:44	1
Dichlorofluoromethane	ND		5.0		ug/L			10/22/12 11:44	1
Ethylbenzene	ND		5.0		ug/L			10/22/12 11:44	1
Isopropylbenzene	ND		5.0		ug/L			10/22/12 11:44	1
Methyl acetate	ND		5.0		ug/L			10/22/12 11:44	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/22/12 11:44	1
Methylcyclohexane	ND		5.0		ug/L			10/22/12 11:44	1
Methylene Chloride	ND		5.0		ug/L			10/22/12 11:44	1
Styrene	ND		5.0		ug/L			10/22/12 11:44	1
Tetrachloroethene	ND		5.0		ug/L			10/22/12 11:44	1
Toluene	ND		5.0		ug/L			10/22/12 11:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/22/12 11:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/22/12 11:44	1
Trichloroethene	ND		5.0		ug/L			10/22/12 11:44	1
Trichlorofluoromethane	ND		5.0		ug/L			10/22/12 11:44	1
Vinyl chloride	ND		5.0		ug/L			10/22/12 11:44	1
Xylenes, Total	ND		15		ug/L			10/22/12 11:44	1

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

Lab Sample ID: MB 480-86757/5
Matrix: Water
Analysis Batch: 86757

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*10/22/12 11:44*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*		*10/22/12 11:44*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*10/22/12 11:44*	*1*

Lab Sample ID: LCS 480-86757/4
Matrix: Water
Analysis Batch: 86757

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	27.4		ug/L		110	71 - 129
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	30.4		ug/L		122	75 - 127
Benzene	25.0	27.5		ug/L		110	71 - 124
Chlorobenzene	25.0	26.1		ug/L		104	72 - 120
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methyl tert-butyl ether	25.0	24.4		ug/L		97	64 - 127
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	27.8		ug/L		111	73 - 127
Trichloroethene	25.0	28.0		ug/L		112	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
Toluene-d8 (Surr)	*85*		*71 - 126*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*

Lab Sample ID: MB 480-86911/5
Matrix: Water
Analysis Batch: 86911

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			10/23/12 00:13	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/23/12 00:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/L			10/23/12 00:13	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/23/12 00:13	1
1,1-Dichloroethane	ND		5.0		ug/L			10/23/12 00:13	1
1,2,4-Trichlorobenzene	ND		5.0		ug/L			10/23/12 00:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/L			10/23/12 00:13	1
1,2-Dibromoethane	ND		5.0		ug/L			10/23/12 00:13	1
1,2-Dichlorobenzene	ND		5.0		ug/L			10/23/12 00:13	1
1,2-Dichloroethane	ND		5.0		ug/L			10/23/12 00:13	1
1,2-Dichloropropane	ND		5.0		ug/L			10/23/12 00:13	1
1,3-Dichlorobenzene	ND		5.0		ug/L			10/23/12 00:13	1
1,4-Dichlorobenzene	ND		5.0		ug/L			10/23/12 00:13	1
2-Butanone (MEK)	ND		25		ug/L			10/23/12 00:13	1
o-Chlorotoluene	ND		5.0		ug/L			10/23/12 00:13	1
2-Hexanone	ND		25		ug/L			10/23/12 00:13	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/L			10/23/12 00:13	1

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

Lab Sample ID: MB 480-86911/5
Matrix: Water
Analysis Batch: 86911

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		25		ug/L			10/23/12 00:13	1
Benzene	ND		5.0		ug/L			10/23/12 00:13	1
Bromoform	ND		5.0		ug/L			10/23/12 00:13	1
Bromomethane	ND		5.0		ug/L			10/23/12 00:13	1
Carbon disulfide	ND		5.0		ug/L			10/23/12 00:13	1
Carbon tetrachloride	ND		5.0		ug/L			10/23/12 00:13	1
Chlorobenzene	ND		5.0		ug/L			10/23/12 00:13	1
Chlorodibromomethane	ND		5.0		ug/L			10/23/12 00:13	1
Chloroethane	ND		5.0		ug/L			10/23/12 00:13	1
Chloroform	ND		5.0		ug/L			10/23/12 00:13	1
Chloromethane	ND		5.0		ug/L			10/23/12 00:13	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/23/12 00:13	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/23/12 00:13	1
Cyclohexane	ND		5.0		ug/L			10/23/12 00:13	1
Bromodichloromethane	ND		5.0		ug/L			10/23/12 00:13	1
Dichlorofluoromethane	ND		5.0		ug/L			10/23/12 00:13	1
Ethylbenzene	ND		5.0		ug/L			10/23/12 00:13	1
Isopropylbenzene	ND		5.0		ug/L			10/23/12 00:13	1
Methyl acetate	ND		5.0		ug/L			10/23/12 00:13	1
Methyl tert-butyl ether	ND		5.0		ug/L			10/23/12 00:13	1
Methylcyclohexane	ND		5.0		ug/L			10/23/12 00:13	1
Methylene Chloride	ND		5.0		ug/L			10/23/12 00:13	1
Styrene	ND		5.0		ug/L			10/23/12 00:13	1
Tetrachloroethene	ND		5.0		ug/L			10/23/12 00:13	1
Toluene	ND		5.0		ug/L			10/23/12 00:13	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/23/12 00:13	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/23/12 00:13	1
Trichloroethene	ND		5.0		ug/L			10/23/12 00:13	1
Trichlorofluoromethane	ND		5.0		ug/L			10/23/12 00:13	1
Vinyl chloride	ND		5.0		ug/L			10/23/12 00:13	1
Xylenes, Total	ND		15		ug/L			10/23/12 00:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*10/23/12 00:13*	*1*
Toluene-d8 (Surr)	*73*		*71 - 126*		*10/23/12 00:13*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*10/23/12 00:13*	*1*

Lab Sample ID: LCS 480-86911/4
Matrix: Water
Analysis Batch: 86911

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	27.2		ug/L		109	71 - 129
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	28.5		ug/L		114	75 - 127
Benzene	25.0	27.6		ug/L		110	71 - 124
Chlorobenzene	25.0	26.5		ug/L		106	72 - 120
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123

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

Lab Sample ID: LCS 480-86911/4
Matrix: Water
Analysis Batch: 86911

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	24.6		ug/L		98	64 - 127
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	27.6		ug/L		110	73 - 127
Trichloroethene	25.0	26.5		ug/L		106	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*
Toluene-d8 (Surr)	*85*		*71 - 126*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*

Lab Sample ID: 480-26808-2 MS
Matrix: Water
Analysis Batch: 86911

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-Dichloroethane	ND		125	143		ug/L		111	71 - 129
1,2-Dichlorobenzene	ND		125	121		ug/L		97	80 - 124
1,2-Dichloroethane	ND		125	161	F	ug/L		129	75 - 127
Benzene	ND		125	138		ug/L		110	71 - 124
Chlorobenzene	ND		125	131		ug/L		105	72 - 120
cis-1,2-Dichloroethene	ND		125	131		ug/L		105	74 - 124
Ethylbenzene	ND		125	122		ug/L		98	77 - 123
Methyl tert-butyl ether	ND		125	124		ug/L		99	64 - 127
Tetrachloroethene	ND		125	128		ug/L		103	74 - 122
Toluene	ND		125	126		ug/L		101	80 - 122
trans-1,2-Dichloroethene	ND		125	142		ug/L		113	73 - 127
Trichloroethene	ND		125	142		ug/L		113	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*84*		*71 - 126*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*

Lab Sample ID: 480-26808-2 MSD
Matrix: Water
Analysis Batch: 86911

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
1,1-Dichloroethane	ND		125	146		ug/L		114	71 - 129	2	20
1,2-Dichlorobenzene	ND		125	123		ug/L		98	80 - 124	1	20
1,2-Dichloroethane	ND		125	157		ug/L		126	75 - 127	2	20
Benzene	ND		125	140		ug/L		112	71 - 124	2	13
Chlorobenzene	ND		125	131		ug/L		105	72 - 120	0	25
cis-1,2-Dichloroethene	ND		125	133		ug/L		106	74 - 124	2	15
Ethylbenzene	ND		125	123		ug/L		99	77 - 123	1	15
Methyl tert-butyl ether	ND		125	125		ug/L		100	64 - 127	0	37
Tetrachloroethene	ND		125	129		ug/L		103	74 - 122	0	20
Toluene	ND		125	126		ug/L		101	80 - 122	0	15

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

Lab Sample ID: 480-26808-2 MSD
Matrix: Water
Analysis Batch: 86911

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
trans-1,2-Dichloroethene	ND		125	142		ug/L		114	73 - 127	0	20
Trichloroethene	ND		125	143		ug/L		114	74 - 123	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*84*		*71 - 126*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*

Certification Summary

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

TestAmerica Job ID: 480-26808-1

Laboratory: TestAmerica Buffalo

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

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

TestAmerica Job ID: 480-26808-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (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 - Groundwater

TestAmerica Job ID: 480-26808-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-26808-1	DUP	Water	10/17/12 13:15	10/17/12 15:30
480-26808-2	MW-13R	Water	10/17/12 13:15	10/17/12 15:30
480-26808-3	MW-15R	Water	10/17/12 13:25	10/17/12 15:30
480-26808-4	MW-3S	Water	10/17/12 13:35	10/17/12 15:30
480-26808-5	MW-7R	Water	10/17/12 14:00	10/17/12 15:30
480-26808-6	MW-8R	Water	10/17/12 13:05	10/17/12 15:30
480-26808-7	MW-9R	Water	10/17/12 13:45	10/17/12 15:30
480-26808-8	TB	Water	10/17/12 08:00	10/17/12 15:30

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact: Mr. Mark Snyder	Phone	VanDette, Ryan E-Mail: ryan.vandette@testamericainc.com		480-22324-4273.1 Page: Page 1 of 1
Company: Waste Management				Job #

PL, PN, TW

Address	Due Date Requested:
425 Perinton Parkway	
City: Fairport	TAT Requested (days):
State, Zip: NY, 14450	
Phone: 585-223-6922(Tel) 713-286-7554(Fax)	PO #: Purchase Order not requir
Email: msnyder@wm com	WO #
Project Name: ChemTrol Site/NY22 Event Desc. ChemTrol Annual Groundwate	Project #: 48002447
Site: New Hampshire	SSOW#

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - (MOD) Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
DUP	10-17-12	1315	G	Water		3		ON mw 13R
MW-13R		1315		Water		3		
MW-15R		1325		Water		3		
MW-3S		1335		Water		3		
MW-7R		1400		Water		3		
MW-8R		1305		Water		3		
MW-9R		1345		Water		3		
TB		0800		Water		3		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by	Date/Time	Company
		10-17-12 1530	TAL		10-17-12 1530	TAL
	Relinquished by	Date/Time	Company	Received by	Date/Time.	Company
	Relinquished by	Date/Time	Company	Received by	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.2 #1

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW 13A

Field Personnel: PC, PN

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 10-17-12 / 1126

Cond of seal: (X) Good ( ) Cracked LICTING ____ %
( ) None ( ) Buried

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good
( ) Loose ( ) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) /

PURGE INFORMATION:

Date / Time Initiated: 10-17-12 / 1130

Date / Time Completed: 10-17-12 / 1201

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 8.55

Elevation. G/W MSL: ____

Well Total Depth, Feet: 22.25

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 8.94

Dedicated: (Y) / N

Total Volume Purged, Gal: 27

Purged To Dryness Y / (N)

Purge Observations: ____

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (umhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW 13A

Date/Time 10-17-12 / 1315 Water Level @ Sampling, Feet: 8.57

Method of Sampling: BAILER Dedicated: (Y) / N

Multi-phased/ layered: ( ) Yes (A)No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1315	15.0	6.92	1295	2.01	62	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: SUN 65

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS: DUP

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW 15R

Field Personnel: PG, PN TW

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 10-17-12 / 1146

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 10-17-12 / 1149

Date / Time Completed: 10-17-12/1155

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 6.00

Elevation. G/W MSL: ____

Well Total Depth, Feet: 26.25

Method of Well Purge: BAIL

One (1) Riser Volume, Gal: 3.29

Dedicated: (Y) N

Total Volume Purged, Gal: ~ 4.0 TOD

Purged To Dryness (Y) N

Purge Observations: ____

Start Clear Finish TURBID

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW15R

Date/Time 10-17-12 / 1325 Water Level @ Sampling, Feet: 20.21

Method of Sampling: BAILER Dedicated: (Y) / N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1325	12.9	6.30	20,470	9.70	54	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: Cloudy 65

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW-35

Field Personnel: PL, PN

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 10-17-12 / 1052

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION

Date / Time Initiated: 10-17-12 / 1055

Date / Time Completed: 10-17-12 / 1056

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 19.38

Elevation. G/W MSL: ____

Well Total Depth, Feet: 20.40

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: .17

Dedicated: (Y) N

Total Volume Purged, Gal: .17 To Dry

Purged To Dryness (Y) N

Purge Observations: ____

Start Clear Finish Clear

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW 35

Date/Time 10-17-12 / 1335 Water Level @ Sampling, Feet: 19.47

Method of Sampling: BAILER Dedicated: (Y) / N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1335	13.7	7.06	1662	50.91	-67	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy 65

Sample Characteristics: SC Tarp BCAK OPEN

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW 7R

Field Personnel: PC, PN

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 10-17-12 / 1030

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height:

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below:

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 10-17-12 / 1035

Date / Time Completed: 10-17-12 / 1115

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 9.14

Elevation. G/W MSL:

Well Total Depth, Feet: 37.95

Method of Well Purge: Purge Bailer

One (1) Riser Volume, Gal: 18.81

Dedicated: Y / (N)

Total Volume Purged, Gal: 57

Purged To Dryness Y / (N)

Purge Observations:

Start Clear Finish Turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW 7R

Date/Time 10-17-12 / 1400 Water Level @ Sampling, Feet: 9.21

Method of Sampling: BAILER Dedicated: (Y) / N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1400	14.6	6.85	1934	23.9	-176	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,410 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 20 NTU (± 10%)
B	7.00	4.00		6.98	1000	1408		
D							10	20
Solution ID#	912237	700940		547742	542874	928384	822925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: Cloudy 60

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW9R

Field Personnel: PL, PN

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 10-17-12 / 1120

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) /

PURGE INFORMATION:

Date / Time Initiated: 10-17-12 / 1122

Date / Time Completed: 10-17-12 / 1159

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 10.59

Elevation. G/W MSL: _____

Well Total Depth, Feet: 22.10

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 7.5

Dedicated: (Y) N

Total Volume Purged, Gal: 23

Purged To Dryness Y / (N)

Purge Observations: _____

Start Clear Finish Clear

PURGE DATA (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW8R

Date/Time 10-17-12 / 1305 Water Level @ Sampling, Feet: 10.62

Method of Sampling: BAILER Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1305	14.9	6.99	1022	9.97	94	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std ~~1,413~~ µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std ~~20~~ NTU (± 10%)
B	7.01	4.00		7.00	1000	1411		
D							10	20
Solution ID#	912237	706940		547742	925384	925384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun 65

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL

FIELD OBSERVATIONS

Facility: CHEM TROLL

Sample Point ID: MW-9R

Field Personnel: PL, PN

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 10-17-12 / 1045

Cond of seal: ( ) Good (X) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height:

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose ( ) Flush Mount (X) Damaged Hinge Broken

If prot.casing; depth to riser below:

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) /

PURGE INFORMATION:

Date / Time Initiated: 10-17-12 / 1040

Date / Time Completed: 10-17-12 / 1135

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 12.65

Elevation. G/W MSL:

Well Total Depth, Feet: 29.45

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 10.77

Dedicated: (Y) / N

Total Volume Purged, Gal: 33

Purged To Dryness Y / (N)

Purge Observations:

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID MW 9R

Date/Time 10-17-12 / 1345 **Water Level @ Sampling, Feet:** 12.65

Method of Sampling: BAILER **Dedicated:** (Y) / N

Multi-phased/ layered: ( ) Yes (X) No **If YES:** ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1345	13.6	7.15	1421	9.03	-62	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal.Std 1,413 µmhos/cm	Check.Std 1,413 µmhos/cm (± 10%)	Cal.Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: Clear 60

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 10/17/12 By: [signature] Company: TAL