McMahon
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February 10, 2011
File: 94-022

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

Re: 2010 PERIODIC REVIEW REPORT
Chem-Trol Site, Registry No. 9-15-015,
Blasdell, Erie County

Dear Mr. Sadowski:

McMahon & Mann Consulting Engineers, P.C. (MMCE), on behalf of SC Holdings, Inc. (SC Holdings), is submitting this Periodic Review Report (PRR) along with a completed Institutional and Engineering Controls (IE/EC) Certification Form (Attachment A) for the Chem-Trol site. This report is being submitted in accordance with directives contained in a letter dated January 14, 2010, from the New York State Department of Environmental Conservation (NYSDEC) to Mr. Mark R. Snyder. The letter provides guidance for preparing the PRR and IE/EC forms and requires that they be submitted to NYSDEC no later than March 17, 2011.

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 and SCA Services, Inc. was acquired by Waste Management, Inc. in 1984.

As the result of the waste processing activities at the Hamburg location, 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, construction of a soil vapor extraction (SVE) system and a groundwater collection and treatment system. The groundwater collection and treatment system includes 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. The SVE system was converted from active to passive operation in 2010. During 2010, MMCE evaluated the effectiveness of the passive system in removing soil vapors. A copy of the SVE system evaluation letter report is included as Attachment B.

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, as shown on the attached site map (see Figure 1).

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 the 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.

The 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 soil vapor extraction system within the former waste chemical processing area.

Goals for the remedial program have been 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 groundwater collection and passive SVE treatment systems.

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,
- Sample and analyze the groundwater collection and treatment system influent and effluent on a monthly basis,
- Sample and analyze the air stripper air discharge 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 were below the mass loading discharge limits established by the NYSDEC for each month of 2010. The analytical test results for the

effluent samples are included in the monthly O&M reports submitted by AECOM to the NYSDEC on a quarterly basis.

A summary of groundwater elevations measured in the groundwater monitoring wells and piezometers is included in the attached Table 1 - Summary of Groundwater Elevations 2010. Groundwater level contours are plotted and attached as Figures 2 through 5 – Quarterly Groundwater Contours. Note that Figures 2, 3 and 4 are based on measurements taken during normal operation of the collection system. Figure 5 is based on measurements collected during an AECOM groundwater system shutdown to perform required maintenance on the air stripper trays.

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 gradients toward the collection trench. The measurements demonstrate that the collection trench is functioning as designed to restrict off site flow and limit groundwater discharge to the South Branch of Smokes Creek.

VOC analytical test results of groundwater samples have historically shown o-chlorotoluene levels in higher concentrations than other organic compounds found in on site groundwater samples. Therefore, concentrations of o-chlorotoluene detected in influent groundwater samples to the groundwater collection and treatment system 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 January 2011 sampling events (see Figure 1 in Attachment B). 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 summary of all organic compound analytical test detections for the annual 2010 groundwater-sampling event is included as Table 2, Executive Summary – Annual Analytical Test Results. The complete 2010 groundwater sample analytical laboratory report is included as Attachment E.

Soil Vapor Extraction System

A field investigation was performed in 2009 to evaluate the performance of the SVE system. The field investigation revealed that the SVE collection pipes are submerged by groundwater at certain times of the year and that modification of system operation may be warranted. A SVE System Evaluation Work Plan was submitted to NYSDEC in a letter dated October 22, 2010 (see Attachment C), proposing to convert the active venting system to a passive system. The passive performance of the system was to be evaluated according to the work plan as follows:

- "Goose neck" pipe extensions would be placed on each SVE lateral pipe following shut down of the SVE blower,
- Monthly measurements of VOC soil vapor concentrations in each lateral vent would be obtained with a photoionization detector (PID),
- Monthly water measurements within each SVE lateral would be obtained,
- Monthly groundwater measurements would be obtained in monitoring wells MW-3S and P2S,
- VOC concentrations in the groundwater collection and treatment system influent would continue to be assessed and monitored to determine if VOC concentrations are impacted by the SVE conversion from active to passive venting, and
- Submittal of a report at the end of the assessment period to summarize the results of the tasks outlined above and providing an opinion regarding the effectiveness of the passive system as compared to the active system.

The proposed plan was accepted by NYSDEC in a letter dated January 14, 2010 (see Attachment D). Additionally, the NYSDEC requested that at least one round of summa canister soil vapor samples be collected from the laterals for TO-14a analysis.

The SVE system's blower was shut down on January 15, 2010 and installation of individual SVE lateral vent pipes began. Conversion from active to passive venting was completed on January 21, 2010. A copy of the SVE evaluation letter 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:

Groundwater Collection and Treatment System

Third party consultants performed the following activities in 2010 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 the NYSDEC.

The operation and maintenance reports submitted to the 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. Results of the treatment system performance are discussed in Section III.

Soil Vapor Extraction System

Third party consultants performed the following activities in 2010 as part of monthly O&M visits in accordance with the Passive SVE system Work Plan approved on January 4, 2010:

- Converted the SVE system from active to passive venting,
- Monitored water elevations within each lateral pipe in the SVE system,
- Measured total volatile organic concentrations by PID at each lateral vent,
- Measured groundwater elevations in monitoring wells MW-3S and P2-S,
- Compiled groundwater collection influent concentrations, and
- Collected summa canister samples from the SVE laterals for analysis under TO-14a.

Monthly 2010 site visit summaries are included in the passive SVE evaluation letter report (Attachment B). The summary sheets indicate the activities that occurred during the site visits.

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 the groundwater at the Chem-Trol site. A plot of the influent o-chlorotoluene concentration versus time (see Figure 1) indicates that the source contributing to groundwater VOC concentrations has been reduced to where its influence on groundwater has decreased and appears to be approaching an asymptotic curve. Conversion of the SVE system laterals to a passive venting system did not change this trend.

The data shows that the groundwater collection and treatment system continues to contain groundwater contaminants and creates a gradient away from the South Branch of Smokes Creek.

It is our recommendation that the monthly groundwater treatment system air stripper exhaust sampling be eliminated and that the current practice of including a calculation of mass removal of o-chlorotoluene in routinely submitted O&M reports using influent and effluent sample concentrations be continued.

Soil Vapor Extraction System

An examination of the observations made and the data collected in this past year indicates that passive operation of the SVE system provides similar and possibly improved effectiveness as active operation of the SVE system in venting soil vapors. The passive venting may 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 is our recommendation that active operation of the SVE system permanently cease and that passive venting of the SVE system laterals continue. Furthermore, continued monitoring of the SVE system laterals is no longer necessary and should be eliminated.

Please call MMCE (716-834-8932) or Mr. Mark R. Snyder (585-223-6922) if you have any questions or require any additional information after reviewing this report.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERS, PC

James Bojarski, P.E.

John A. Minichiello, CPESC, CPSWQ

cc. Mark R. Snyder, P.E. (SC Holdings, Inc.) w/attachments

Enclosures:

Table 1 – Summary of Groundwater Elevations - 2010
Table 2 - 2010 Annual Analytical Test Results Executive Summary
Figure 1 - Site Map
Figure 2 - 1st Quarter Bedrock Groundwater Contours
Figure 3 - 2nd Quarter Bedrock Groundwater Contours

Figure 4 - 3rd Quarter Bedrock Groundwater Contours
Figure 5 - 4th Quarter Bedrock Groundwater Contours
Attachment A – Completed IE/EC Forms
Attachment B – Passive SVE Evaluation Report
Attachment C – Passive SVE System Evaluation Work Plan
Attachment D - NYSDEC approval of Passive SVE Evaluation Work Plan
Attachment E - 2010 Annual Groundwater Sample Analytical Results Report

TABLES

Table 1 – Summary of Groundwater Elevations 2010

Table 2 – Executive Summary 2010 Annual Analytical Tests

Table 1
Chem-Trol Site
Summary of Groundwater Elevation Measurements - 2010

	1Q		2Q		3Q		4Q	
Well	**3/17/2010**		**6/30/2010**		**8/18/2010**		**10/13/2010**	
OW-1FR	610.20		606.69		604.55		605.67	
P97-5	609.93		606.67		604.66		605.55	
MW10S	610.70		609.25	**dry**	609.25	**dry**	609.25	**dry**
MW10R	610.21		606.85		604.78		605.53	
P97-4	610.07		606.62		604.60		605.52	
MW 13R	609.89		606.68		604.85		605.60	
MW 8S	611.25		610.40		610.03	**dry**	609.93	**dry**
MW 8R	610.36		606.98		605.23		605.79	
P97 - 3	610.30		606.62		604.51		605.43	
MW 9RD	612.23		612.18		612.33		612.03	
MW 9R	610.52		606.64		604.52		605.30	
MW 9S	612.11		609.73		609.41	**dry**	609.41	**dry**
P97 - 2	613.42		609.59		608.72		609.05	
P97 - 1	613.59		611.48		610.82		611.02	
MW 12R	614.25		610.52		609.01		608.47	
MW 12S	618.06		613.87		611.72		611.74	**dry**
MW14R	613.34		612.76		613.44		612.02	
OW-2FR	610.53		606.66		604.49		605.29	
MW 4S	624.20		622.73		621.77	**dry**	621.79	**dry**
MW 4R	609.97		606.43		604.77		605.16	
P4S	621.88		620.69		620.59		620.54	
MW 3S	621.03		619.85		619.16		618.43	
P - 3R	619.54		619.52		619.52		619.46	
P - 3S	620.68		620.06		619.61		619.25	
OW - 3R	615.53		614.49		614.28		614.17	
P-5S	628.99		628.46		623.94	**dry**	623.94	**dry**
P-5R	618.82		617.09		614.78		615.36	
MW-5S	625.85		623.76		622.50		622.16	
P-2R	640.46		635.69		633.53		632.36	
P2-S	638.62		637.17		633.84		634.50	
MW-2S	639.07		637.69		634.02		635.03	
MW-6S	631.96		628.92		627.06		625.99	
MW 6R	621.51		620.03		617.58		618.40	
P-1S	638.23		637.75		633.12		634.05	
MW 1R	639.18		637.27		645.36		634.71	
MW 1S	640.77		638.95		634.35		634.37	
MW 7S	639.44		636.66		632.24		633.17	
MW 7R	638.10		636.60		633.39		634.33	

Table 2
Chem - Trol Site
2010 Annual Analytical Test Results Executive Summary

Monitoring Well	Sample Result	Reporting Limit	Units
MW-13R			
o-Chlorotoluene	210	5	ppb
MW-3S			
o-Chlorotoluene	85, 000	2000	ppb
MW-9R			
1,1,1-Trichloroethane	310	5.0	ppb
1,1-Dichloroethane	93	5.0	ppb
o-Chlorotoluene	5.7	5.0	ppb
Chloroethane	100	5.0	ppb
	9.5	5.0	ppb
MW-8R			
o-Chlorotoluene	35	5.0	ppb
MW-15R			
Benzene	13	5.0	ppb
Chloromethane	9.3	5.0	ppb
Ethylbenzene	12	5.0	ppb
Methylcyclohexane	68	5.0	ppb
Xylenes, total	76	15	ppb
Cyclohexane	130	5.0	ppb

FIGURES

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL

ERIE COUNTY NEW YORK

SITE PLAN

DWG. NO. 94022-035

FIGURE 1

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL - 1st QUARTER
MARCH 17, 2010
ERIE COUNTY NEW YORK

BEDROCK GROUNDWATER CONTOURS

DWG. NO. 94022-041

FIGURE 2

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL - 2nd QUARTER
JUNE 30, 2010
ERIE COUNTY NEW YORK

BEDROCK GROUNDWATER CONTOURS

DWG. NO. 94022-043

FIGURE 3

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL - 3rd QUARTER
AUGUST 18, 2010
ERIE COUNTY NEW YORK

BEDROCK GROUNDWATER CONTOURS

DWG. NO. 94022-044

FIGURE 4

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL - 4th QUARTER
October 13, 2010
ERIE COUNTY NEW YORK

BEDROCK GROUNDWATER CONTOURS

DWG. NO. 94022-045

FIGURE 5

ATTACHMENT A

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORMS

Enclosure 1
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: January 20, 2010 to February 15, 2011

	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?	☒	☐
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.

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	Monitoring Plan O&M Plan
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 Leachate Collection Pump & Treat Vapor Mitigation
151.02-1-14.1	Cover System Fencing/Access Control Groundwater Containment Pump & Treat Vapor Mitigation

Control Description for Site No. 915015

Parcel: 151.02-1-14.1

Remedial Construction consisted of two phases, "Source Control Elements" and "Groundwater Control Elements".

Source Control Elements:

-"Hot Spot" Soils Removal
-Site Soils Cover
-Soil Vapor Extraction (passive state as of 2/10)
-Access Restrictions

Groundwater Control Elements:

-Groundwater Extraction and Treatment, Discharge Compliance Monitoring
-Groundwater Quality Monitoring
-Tributary Sediment Excavation/Disposal

Groundwater extraction with onsite treatment. Systems monitoring including effluent. Continuous Soil Vapor Extraction and monitoring. Groundwater levels and groundwater quality monitoring.

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.

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.

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 2 and/or 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 or Remedial Party Rendering Certification — Date: 02/11/11

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 MICHAEL J. MANN (print name) at 2495 Main St Suite 432 Buffalo, NY 14214 (print business address),

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

STATE OF NEW YORK
MICHAEL J. MANN
No. 059917
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

Date: 2/10/11

ATTACHMENT B

PASSIVE SVE EVALUATION REPORT

McMahon & Mann
Consulting Engineers, P.C.

2495 Main Street, Suite 432, Buffalo, NY 14214

Donald R. McMahon, P.E.
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February 9, 2011
File: 94-022

Mr. Glenn M. May, CPG
New York State Department of Environmental Conservation, Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: Soil Vapor Extraction (SVE) System Evaluation Report
Chem-Trol Site, Registry No. 9-15-015

Dear Mr. May:

McMahon & Mann Consulting Engineers, P.C. (MMCE) has prepared this letter report on behalf of SC Holdings, Inc. (SC Holdings) as the result of performing the Chem-Trol SVE system evaluation for one year as described in a workplan dated October 22, 2009. As part of the evaluation, we proposed to compare volatile organic compound (VOC) concentrations measured during the 2010 evaluation with the VOC concentrations measured in the 1997 soil vapor study and the VOC concentrations at SVE startup in 1999 to determine if additional reduction in soil contaminants is occurring.

Under the approved workplan, we completed the following tasks:

- Shut down the SVE blower on January 15, 2010 and converted laterals 0,1, 2, 3 and 4 to passive vents by adding an approximately 2.5 foot section of 4 inch pipe onto each lateral riser and connected a 90 degree elbow with the opening covered with a piece of nylon screen;

- Converted the remaining laterals 5, 6 and 7 to passive vents on January 21, 2010;

- Obtained monthly measurements of VOC concentrations in soil vapors in all laterals from February 2010 through January 2011 (see Attachment I) using a photoionization detector (PID);

- Obtained monthly measurements of water levels in the SVE collection lateral risers from February 2010 through January 2011 (see Attachment I);

- As required in the New York State Department of Environmental Conservation (NYSDEC) January 14, 2010 workplan approval letter, one round of summa

canister samples was obtained from open laterals 0, 1 and 7 on August 18, 2010 and open laterals 2, 3, 5 and 6 on October 13, 2010;

- Obtained monthly measurements of water level elevations in MW-3S and P2S from February 2010 through January 2011; and

- Plotted monthly VOC concentrations detected in the influent to the groundwater collection and treatment system (see Figure 1) and from the SVE laterals and passive vents (see Attachment I).

Additional details describing the active to passive conversion are provided in a February 23, 2010 letter from MMCE to Mr. Mark R. Snyder, P.E. A copy of the letter is included as Attachment II.

Summary of Results

Water Levels

MMCE obtained water level measurements with an electronic water level indicator by lowering the sensor probe of the indicator into the lateral vent riser until the signal sounded indicating the probe contacted the water surface. In addition, we obtained monthly water level measurements in MW3S and P2S (see Attachment I).

As shown in Attachment I, water level measurements taken on May 19, 2010 indicated that the crowns of the connection points for laterals 0 and 1 were above the water level. Based on water level measurements obtained on August 18, 2010, we determined that the crown for lateral 7 was above water. By October 13, 2010 all of the lateral crowns were above water with the exception of lateral 4 and by November 11, 2010 all of the laterals crowns were above water.

The water level measurements made on December 17, 2010 showed the crowns for laterals 0, 1 and 2 were below water while the crowns for the remaining laterals were still above water. The last water level measurements made on January 14, 2011 showed the crowns for laterals 3, 4 and 5 were still above water.

Compared to water level measurements made in 2009, the crowns for only laterals 0, 1 and 7 were above water on July 12, 2009. By November 18, 2009 the crowns for the three laterals were below water

VOC Concentrations

MMCE obtained total VOC concentration measurements from each SVE lateral using a PID and individual VOC concentrations by obtaining summa canister samples and submitting the samples to Test America, Inc. for EPA TO-14A analysis. Monthly PID measurements were made at the passive vent of each lateral using a MiniRAE 2000 with a 10.3 eV lamp.

Summa canister sampling occurred on August 23, 2010 for laterals 0, 1 and 7 and on October 13, 2010 for laterals 2, 3, 5 and 6. MMCE obtained summa canister soil vapor samples at two locations within each SVE lateral, a deep sample approximately 15.5 feet into the SVE lateral riser (see Figure 2) and a shallow sample approximately 2 to 3 feet within the riser vent (see Figure 3).

In order to obtain a deep sample, we placed a length of $^3/_8$-inch outside diameter flexible Teflon tube into a ½ - inch inside diameter (I.D.) rigid PVC approximately 15.5 feet long. The PVC pipe with the Teflon tube was lowered into the lateral riser pipe until the tip was approximately 15.5 feet into the lateral riser (see Figure 2). The Teflon tube was then connected to the sampling train as shown on Figure 4. The sampling valve to the PID unit was opened and the unit was turned on and run until a maximum VOC reading was obtained, which was typically less than two minutes.

Once a maximum VOC reading was obtained, the sample valve to PID was closed and the PID unit shut off and the summa canister sampling valve was opened (see Figure 4). The initial vacuum in the summa canister was recorded when the summa canister sampling valve on the flow controller attached to the canister was opened to begin sampling the soil vapors. The start time was also recorded. Once the vacuum in the canister reached 10 inches of mercury, the vacuum reading was recorded, the summa canister sampling valve was closed and the stop time recorded. Shallow samples were obtained in the same manner only using a Teflon tube approximately 4 feet long inside a length of ½-inch I.D. rigid PVC pipe and placing the PVC pipe and the Teflon tube approximately 3 to 5 feet into the vent riser (see Figure 3).

A summary of the EPA TO-14A 2010 analytical results of the summa canister samples is provided in Table 1 and the laboratory analytical report is included in Attachment III. The laboratory analytical report provides VOC concentrations as micrograms per cubic meter (ug/m^3) which have been converted to part per billion as volume (ppbv) in Table 1 by multiplying the ug/m^3 value by 24.45 (molar gas constant 0.080258 x temperature 298 ^{0}K at 1 atmosphere) divided by the molecular weight of the VOC in grams per mole.

VOC Concentration in the Influent to the Groundwater Treatment System

In order to determine if converting the SVE system to passive venting has an impact on VOC concentrations in the influent to the groundwater treatment system, we reviewed the monthly o-chlorotoluene analytical results for influent samples obtained by AECOM in 2010 and plotted the results as shown on Figure 1. The trend line (i.e., poly o-chlorotoluene concentration) and last 11 data points, representing monthly o-chlorotoluene analytical results for February 2010 through December 2010, plotted on Figure 1 show the o-chlorotoluene concentrations in a general asymptotic trend. This indicates that the passive venting of the SVE system laterals had no significant impact on the o-chlorotoluene concentrations observed in the influent water to the groundwater treatment system.

Conclusions and Recommendation

We make the following conclusions based on the data collected from the passive SVE system in 2010:

- Water levels in the SVE laterals – The water levels in the passive SVE collection laterals were generally lower than water levels measured in 2009 when the SVE system was in active operation. The lower water levels allow more VOCs to diffuse through less saturated soils to the SVE laterals. Elimination of the vacuum on the SVE laterals through passive venting may have contributed to lower water levels over the time period we monitored the SVE laterals.

- Function of the passive SVE system - Based on the results of the 2010 PID measurements and summa canister sample analytical results, the passive SVE laterals are effective at venting soil vapors containing VOCs. The fact that the 2010 water levels in the SVE laterals in general were lower than water levels measured in previous years for a longer period of time means more laterals were able to vent soil vapors from deeper unsaturated soils for a longer period of time and that passive venting of SVE system laterals will be at least, if not more, effective than active operation of the SVE system.

- VOC concentrations in the SVE lateral soil gas - Summa canister sample analytical results from the passive SVE laterals in general show VOC concentrations in the soil gas that are less than the 1997 (see Table 1) soil vapor extraction well demonstration (see Figure 5 for the location of SVEW 1 and 2). The 2010 summa canister sample results for laterals 0 and 1 show VOC concentrations that are higher than 2009 sample results (see Table 1). However, 2010 summa canister sample results for lateral 7 show VOC concentrations that are less than the 2009 sample results. It is likely that the increased VOC concentrations in laterals 0 and 1 are the result of more effective soil venting due to the lower water level.

- Effects on VOC concentrations in the influent to the groundwater treatment system - Figure 1 shows a plot of o-chlorotoluene concentrations in the influent to the groundwater treatment system. Included on the Figure 1 are the historical concentrations of o-chlorotoluene measured in the influent and a trend line, which shows o-chlorotoluene concentrations decreasing and generally following an asymptotic trend. The last eleven data points on the plot represent o-chlorotoluene concentrations from February 2010 through December 2010 when the SVE system was in passive operation. The data show that passive venting of the SVE system laterals had no significant impact on the o-chlorotoluene concentrations observed in the influent water to the groundwater treatment system.

Because passive venting of the SVE system laterals will be at least, if not more, effective than active operation of the SVE system and because passive venting did not significantly impact the o-chlorotoluene concentrations in the influent water to the groundwater treatment system, we recommend that active operation of the SVE system

permanently cease and that passive venting of the SVE system laterals continue in the future. We also believe that continued monitoring of the SVE system laterals is not necessary and recommend that monitoring the laterals for water levels and VOC emissions be eliminated. Operation of the groundwater extraction and treatment system will continue to be reported via the submittal of quarterly Operation, Maintenance and Monitoring Reports and the annual Periodic Review Report.

Please call MMCE (716-834-8932) or Mark R. Snyder (585-223-6132) if you have any questions or require additional information.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERS, P.C.

James Bojarski, P.E.

John A. Minichiello, CPESC, CPSWQ

cc: Mark R. Snyder, PE (SC Holdings, Inc.)

Enc.

Table 1 – 2010/2009 SVE Lateral Soil Vapor VOC Concentrations
Figure 1 – o-Chlorotoluene Influent Concentrations
Figure 2 – Deep Soil Vapor Sampling
Figure 3 – Shallow Soil Vapor Sampling
Figure 4 – Soil Vapor Sampling Train
Figure 5 – Site Plan
Attachment I – Monthly Field Visits with Water Levels and VOC Measurements In each Lateral Pipe
Attachment II – Conversion of Soil Vapor Extraction system to Passive Venting
Attachment III – Summa Canister Sample Analytical Results

TABLES

Table 1 – 2010/2009 SVE Lateral and 1997 SVEW Soil Vapor VOC Concentrations

Table 1
2010/2009 SVE Laterals and 1997 SVEW Soil Vapor Summa Canister Sample Results

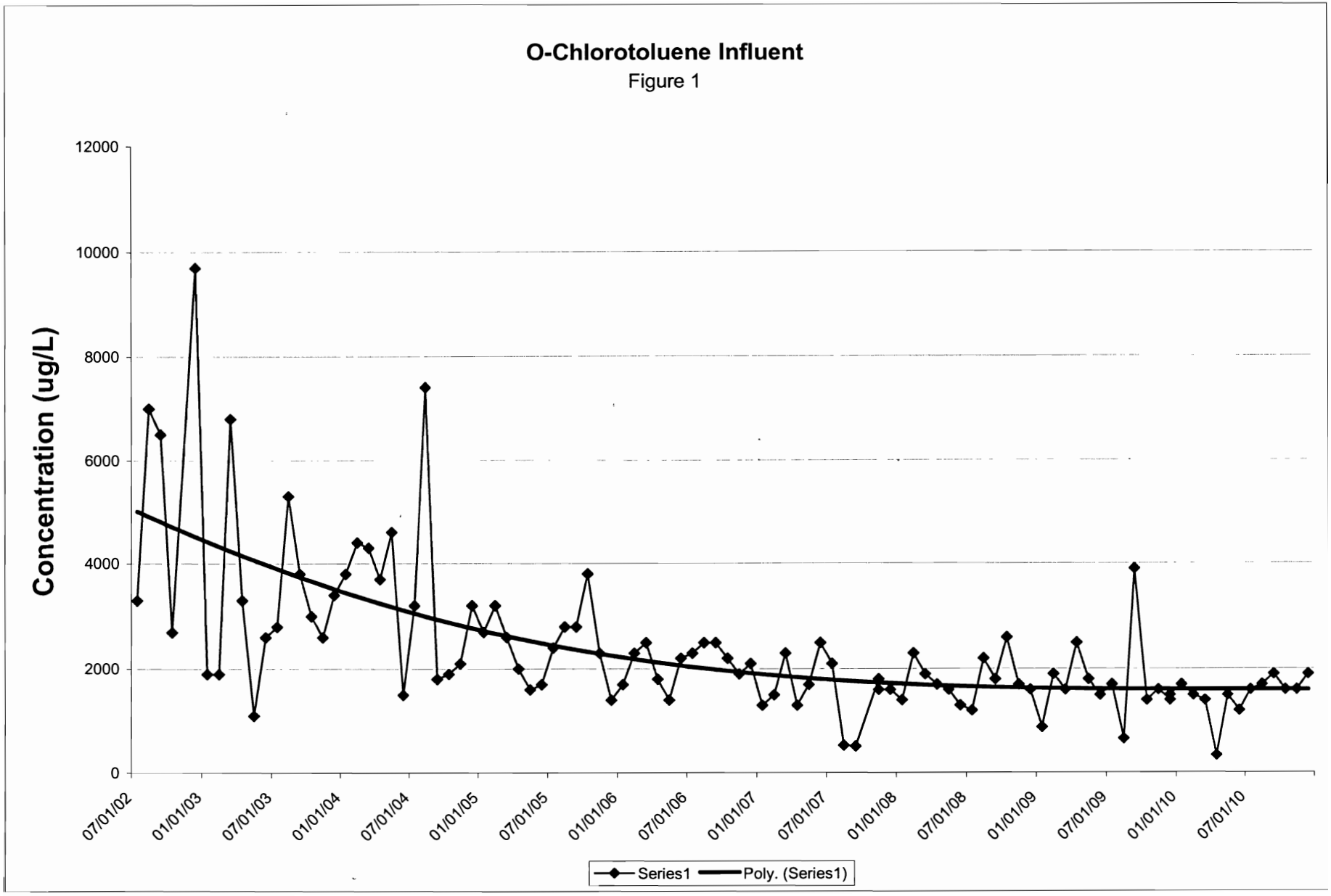
	2010 Data														2009 Data				1997 Data			
																			SVEW -1 (see Note 2)			SVEW-2
Compound[1]	8/23/2010 ppbv - Lateral #0 Deep	8/23/2010 ppbv - Lateral #0 Shallow	8/23/2010 ppbv - Lateral #1 Deep	8/23/2010 ppbv - Lateral #1 Shallow	10/13/2010 ppbv - Lateral #2 Deep	10/13/2010 ppbv - Lateral #2 Shallow	10/13/2010 ppbv - Lateral #3 Deep	10/13/2010 ppbv - Lateral #3 Shallow	10/13/2010 ppbv - Lateral #5 Deep	10/13/2010 ppbv - Lateral #5 Shallow	10/13/2010 ppbv - Lateral #6 Deep	10/13/2010 ppbv - Lateral #6 Shallow	8/23/2010 ppbv - Lateral #7 Deep	8/23/2010 ppbv - Lateral #7 Shallow	6/2/2009 ppbv - Lateral #1	7/30/2009 ppbv - Lateral #0	7/30/2009 ppbv - Lateral #1	7/30/2009 ppbv - Lateral #7	8/14/1997 SVE-12	8/14/1997 SVE-4	8/14/1997 SVE-5	8/14/1997 SVE-2
Acetone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Acrolien	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Acrylonitrile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Benzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Benzyl Chloride	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Bromodichloromethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Bromoform	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Bromomethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Carbon disulfide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Carbon tetrachloride	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Chlorobenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Dibromochloromethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Chloroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2 Chloroethyl vinyl ether	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Chloroform	0	0	160	19	143	7.8	1,925	0	55	1.5	0	0	12	0	0	0	0	0				
Chloromethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	628				
o-Chlorotoluene	0	0	0	0	0	0	0	0	137	6.6	483	145	0	0	0	0	0	0				
1,2 Dichlorobenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,4 Dichlorobenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Dichlorodifluoromethane	0	0	0	0	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0				
1,1 Dichloroethane	618	30	2,965	395	469	27	6,176	988	5.4	0	0	0	24	0	8	0	3	0				
1,2 Dichloroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,1 Dichloroethene	8.6	0	908	116	149	9.3	0	0	0	0	12	0	6.3	0	0	0	0	0				
cis 1,2 Dichloroethene	0	0	1,463	171	126	6	15,888	2,774	35	2.2	18	2	353	5.0	0	0	4	136				
trans-1,2 Dichloroethene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,2 Dichloropropane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
cis-1,3 Dichloropropene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
trans-1,3 Dichloropropene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,2 Dichloro-1,1,2,2 tetrafluoroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Ethylbenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Trichlorofluoromethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Hexachlorobutadiene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2 Hexanone	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Methylene chloride	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Styrene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,1,2,2 Tetrachloroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Tetrachloroethene	16	2.2	177	25	18	1.6	1,268	0	0	0.7	60	5.6	265	13	2	0	74	2,319	45,000	65,000	64,000	
Toluene	0	0.0	0	0	0	0	0	0	0	0.8	0	0	0	0	0	0	0	0				
1,2,4 Trichlorobenzene	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,1,1 Trichloroethane	130	5.9	3,848	513	1,576	101	13,744	2,199	15	0.9	11	0	0	0	17	0	3	0				
1,1,2 Trichloroethane	0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Trichloroethene	63	5.0	5,768	707	837	52	113,505	20,468	186	28	61	12	261	12	7	0	33	677	3,000	4,700	4,400	660,000
1,1,2 Trichloro-1,2,2 trifluoroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,2,4 Trimethylbenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1,3,5 Trimethylbenzene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Vinyl acetate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Vinyl chloride	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
m&p Xylenes	0	2.5	0	0	0	0	0	0	0	0	2.3	0	0	0	0	0	0	0				
o-Xylene	0	0	0	0	0	0	0	0	0	0	4.1	0	0	0	0	0	0	0				
1,2 Dibromomethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
2- Butanone (MEK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4 Methyl-2 pentanone (MIBK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
4- Ethyltoluene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	836	45	15,332	1,947	3,319	205	152,506	26,429	435	41	651	165	921	30	35	0	136	3,761	48,000	69,700	68,400	660,000

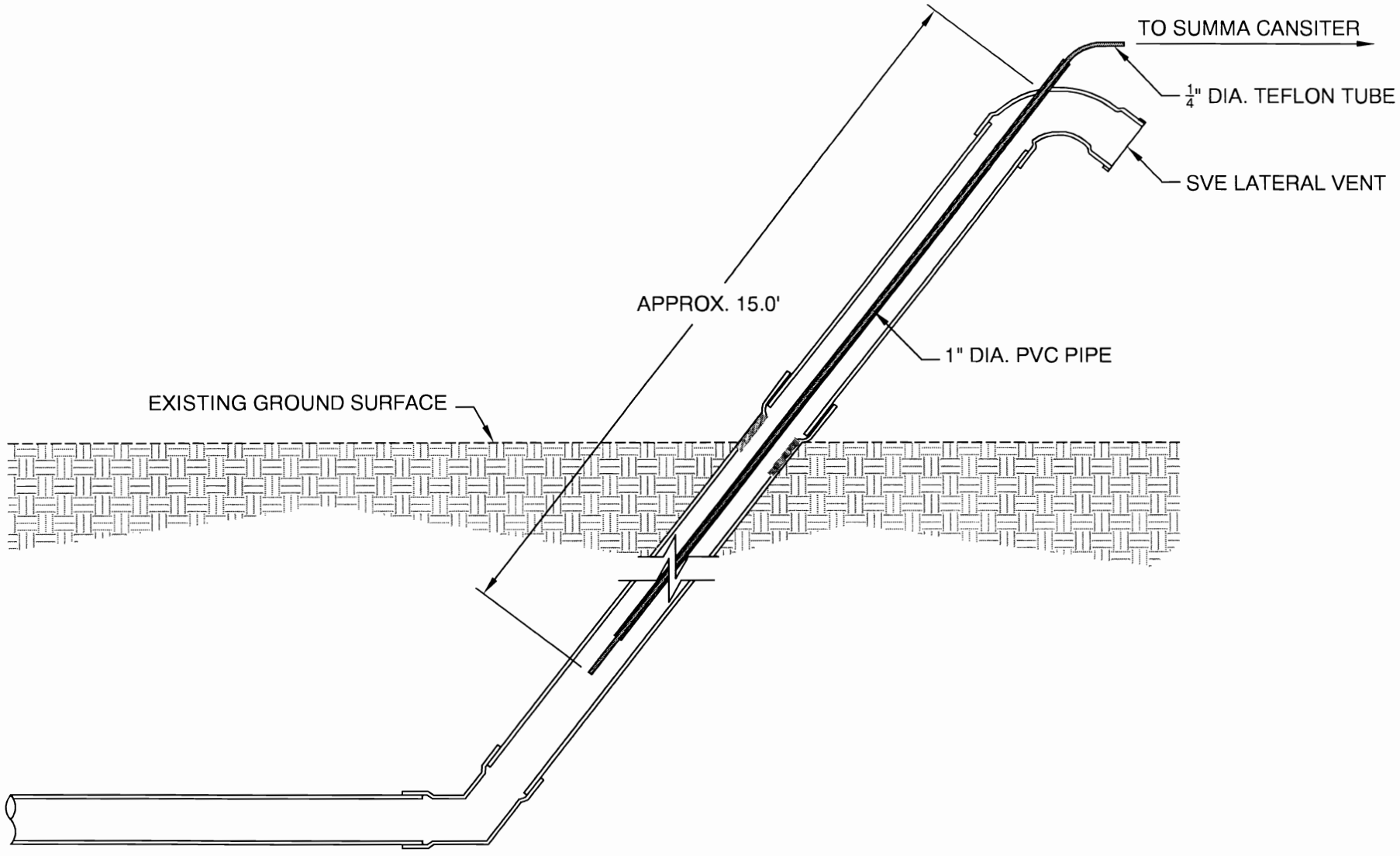
1. Bolded compounds were detected above the laboratory reporting limit.
2. MMCE installed 2 soil vapor pumping wells SVEW-1 and SVEW-2 that were used to determine amount of VOCs in the soil vapor and whether or not VOCs could be removed by applying a vacuum to the soil., SVE-1, SVE-4 and SVE-5 were collected from SVEW-1 and SVE-2 was collected from SVEW-2. Lateral #7 intercepts the approximate location of SVEW-1.

FIGURES

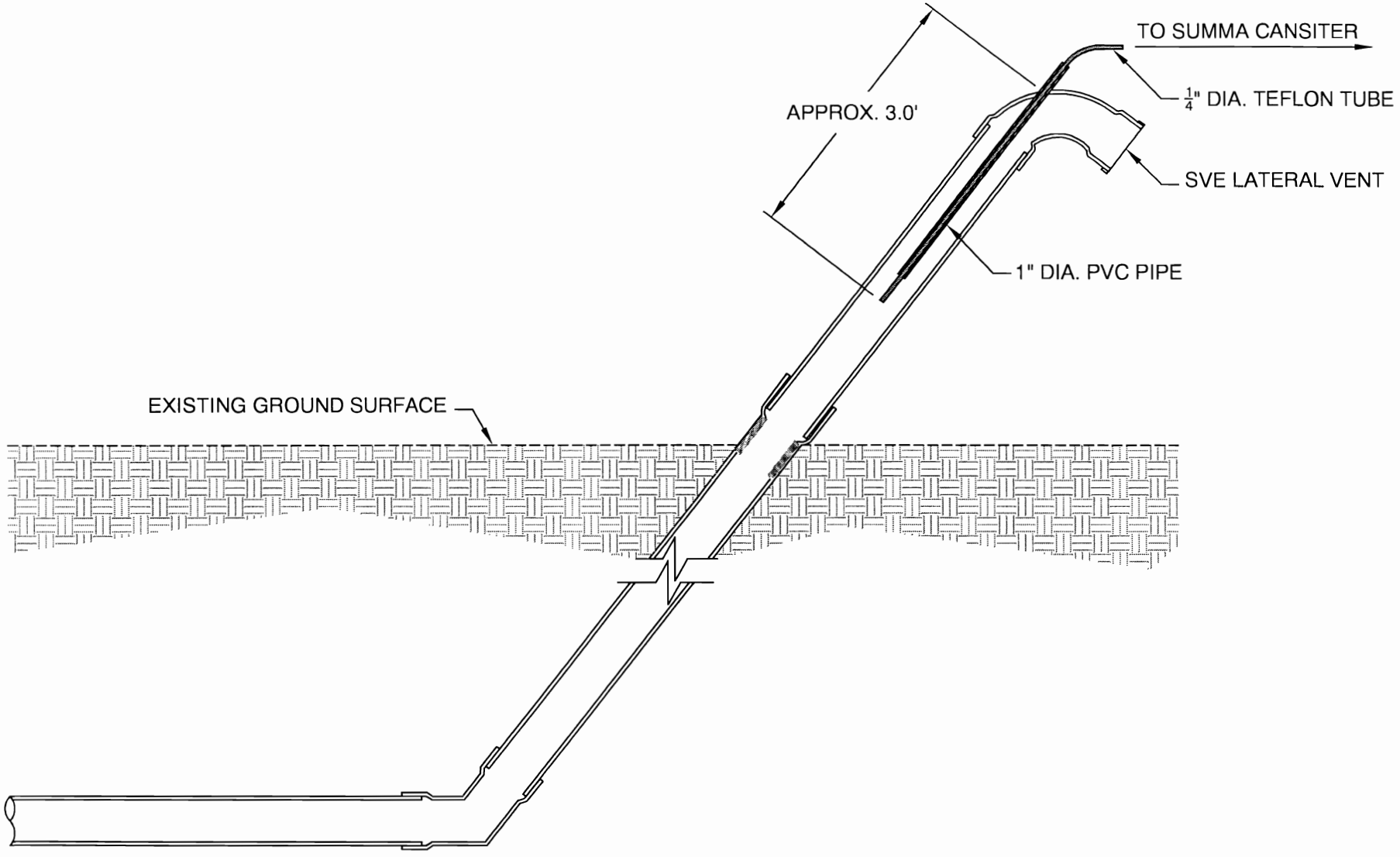
O-Chlorotoluene Influent

Figure 1

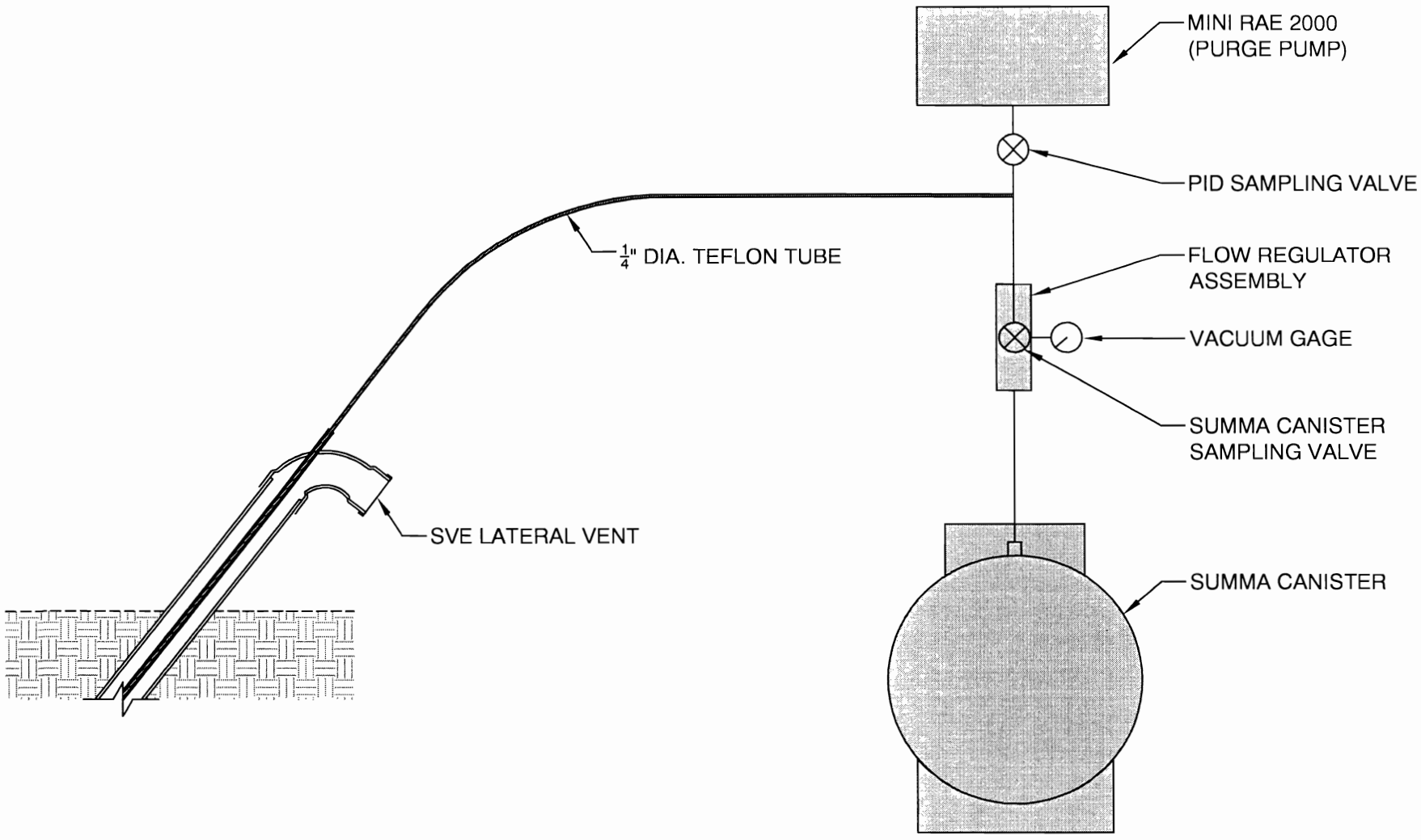




DEEP SOIL VAPOR SAMPLING	CHEM-TROL	McMahon & Mann Consulting Engineers, P.C.
DWG. NO. 94022-046b	BLASDELL NEW YORK	2495 MAIN STREET, SUITE 432 BUFFALO, NY 14214 (716) 834-8932 FAX: (716) 834-8934
FIGURE 2		SCALE: N.T.S.



SHALLOW SOIL VAPOR SAMPLING	CHEM-TROL	McMahon & Mann Consulting Engineers, P.C.
DWG. NO. 94022-046a	BLASDELL NEW YORK	2495 MAIN STREET, SUITE 432 BUFFALO, NY 14214 (716) 834-8932 FAX: (716) 834-8934
FIGURE 3		SCALE: N.T.S.



SOIL VAPOR SAMPLING TRAIN	CHEM-TROL	McMahon & Mann Consulting Engineers, P.C.
DWG. NO. 94022-046c	BLASDELL NEW YORK	2495 MAIN STREET, SUITE 432 BUFFALO, NY 14214 (716) 834-8932 FAX: (716) 834-8934
FIGURE 4		SCALE: N.T.S.

McMahon & Mann
Consulting Engineers, P.C.
2495 MAIN STREET, SUITE 432
BUFFALO, NY 14214
(716) 834-8932
FAX: (716) 834-8934

CHEM-TROL

ERIE COUNTY NEW YORK

SITE PLAN

DWG. NO. 94022-047

FIGURE 5

ATTACHMENT I

Monthly Field Visit with Lateral Water Levels and VOC Measurements

Chem-Trol

Blasdell, New York
File: 94-022

Date: January 15, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site to initiate the conversion of the SVE system from active to passive venting. The work is proceeding in accordance with the NYSDEC approved SVE System Evaluation Work Plan, dated January 14, 2010.

MMCE turned off the SVE system blower and closed all valves associated with the lateral pipe system.

PVC pipe extensions were placed on laterals 0 through 4 and capped with 90° elbows to allow passive venting to the atmosphere. The remaining laterals will be completed as soon as back ordered parts are available.

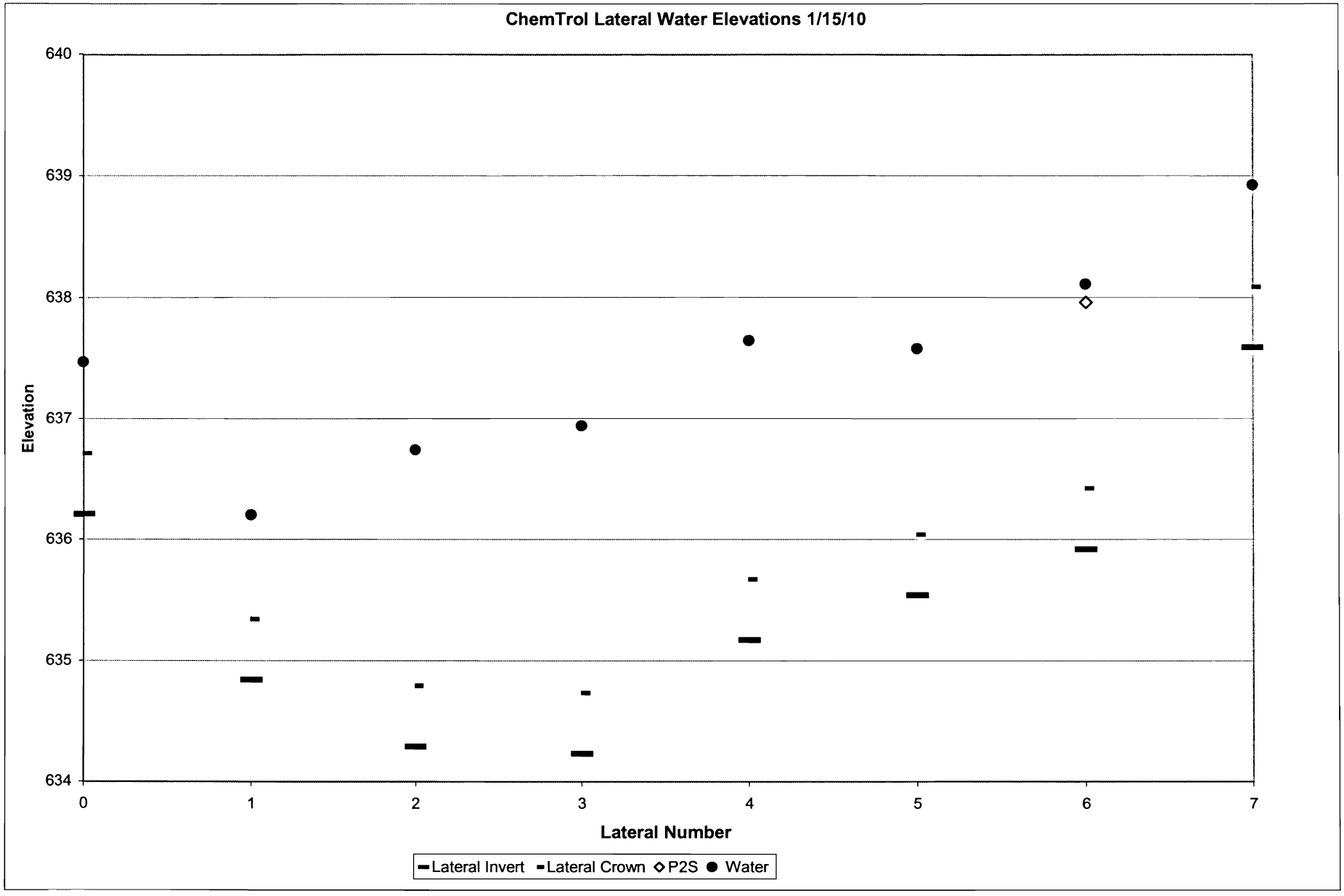
Water levels in each lateral and two adjacent monitoring wells were measured and are summarized below:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	637.5	0.8
1	636.2	0.9
2	636.7	2
3	636.9	2.2
4	637.6	2
5	637.6	1.5
6	638.1	1.7
7	638.9	0.8
P2S	638.0	

Note: see attached chart

Comments:

Each SVE lateral remains submerged. PID readings for VOCs were obtained in each of the lateral vents with no detects observed.


ChemTrol Lateral Water Elevations 1/15/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: January 21, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site to complete the installation of passive vents on SVE laterals 5, 6 and 7. These laterals were not vented on January 15 due to back ordered parts.

Each SVE lateral is now venting passively in accordance with the approved work plan.

MMCE will visit the site each month to monitor water levels in each lateral pipe and monitoring wells P2s and MW-3S. A PID will be used to measure passive venting of VOCs in each lateral vent as water levels vary. A round of summa canister samples will be collected for TO-14a analysis once water levels drop below the crown elevation of each lateral.

Chem-Trol

Blasdell, New York
File: 94-022

Date: February 3, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations, and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

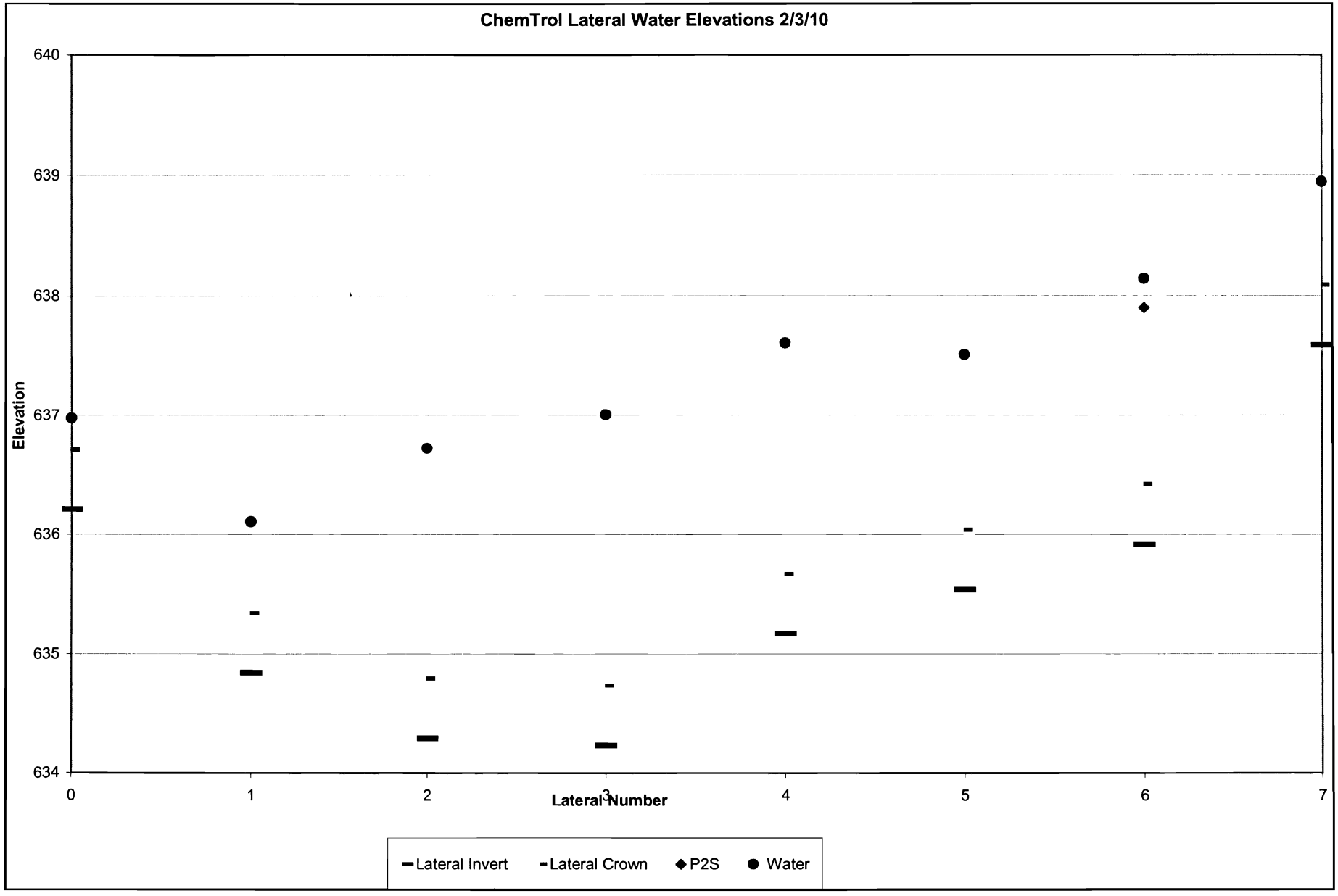
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	637.0	0.3
1	6361	0.8
2	636.7	1.9
3	637.0	2.3
4	637.6	1.9
5	637.5	1.5
6	638.1	1.7
7	638.9	0.9
P2S	637.9	
MW-3S	620.4	

Note: see attached chart

Comments:

Each SVE lateral remains submerged.

PID readings for VOCs were obtained in each of the lateral vents with no detects observed.


ChemTrol Lateral Water Elevations 2/3/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: March 11, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations, and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

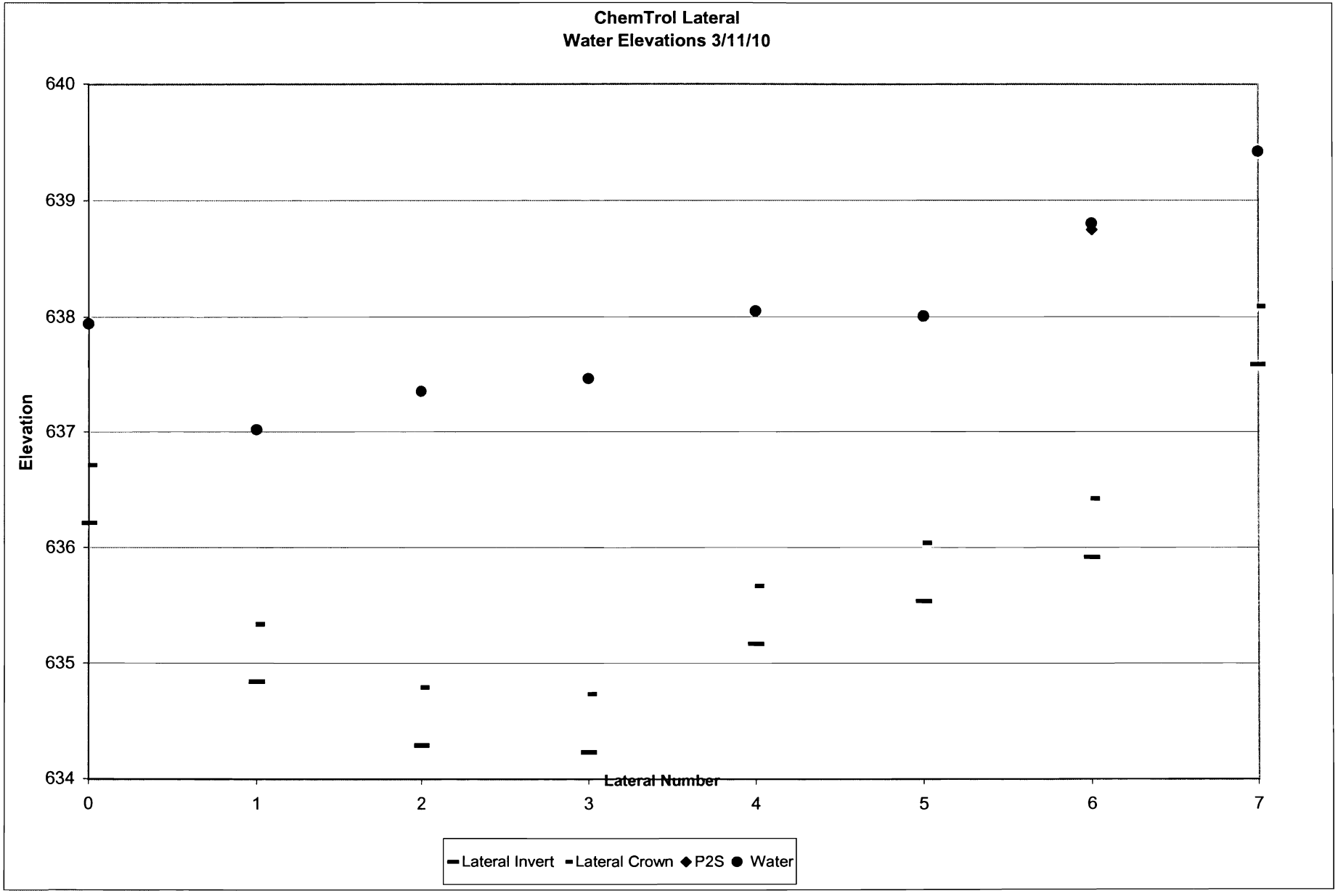
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	637.9	1.2
1	637.0	1.7
2	637.4	2.6
3	637.5	2.7
4	638.0	2.4
5	638.0	2.0
6	638.8	2.4
7	639.4	1.3
P2S	638.8	
MW-3S	621.2	

Note: see attached chart

Comments:

Each SVE lateral remains submerged.

PID readings for VOCs were obtained in each of the lateral vents with no detects observed.


ChemTrol Lateral
Water Elevations 3/11/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: March 16, 2010

Chem-Trol Site Visit:

MMCE arrived on site today to measure quarterly water levels across the site.

Observed water levels are summarized in the table below:

	1Q
Well	3/16/10
OW-1FR	610.2
P97-5	609.9
MW-10S	610.7
MW-10R	610.2
P97-4	610.1
MW-13R	609.9
MW-8S	611.3
MW-8S	610.4
P97-3	610.3
MW-9RD	612.2
MW-9R	610.5
MW-9S	612.1
P97-2	613.4
P97-1	613.6
MW-12R	614.3
MW-12S	618.1
MW-14R	613.3
OW-2FR	610.5
MW-4S	624.2
MW-4R	610.0
P2S	621.9
MW-3S	621.0
P3R	619.5
P3S	620.7
OW-3R	615.5
P5S	628.9
P5R	618.8
MW-5S	625.9
P2R	640.5
P2S	638.6
MW-2S	639.1
MW-6S	632.0
MW-6R	621.5
P1S	638.2
MW-1R	639.2
MW-1S	640.8
MW-7S	639.4
MW-7R	638.1

Chem-Trol

Blasdell, New York
File: 94-022

Date: April 20, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells were measured and are summarized below:

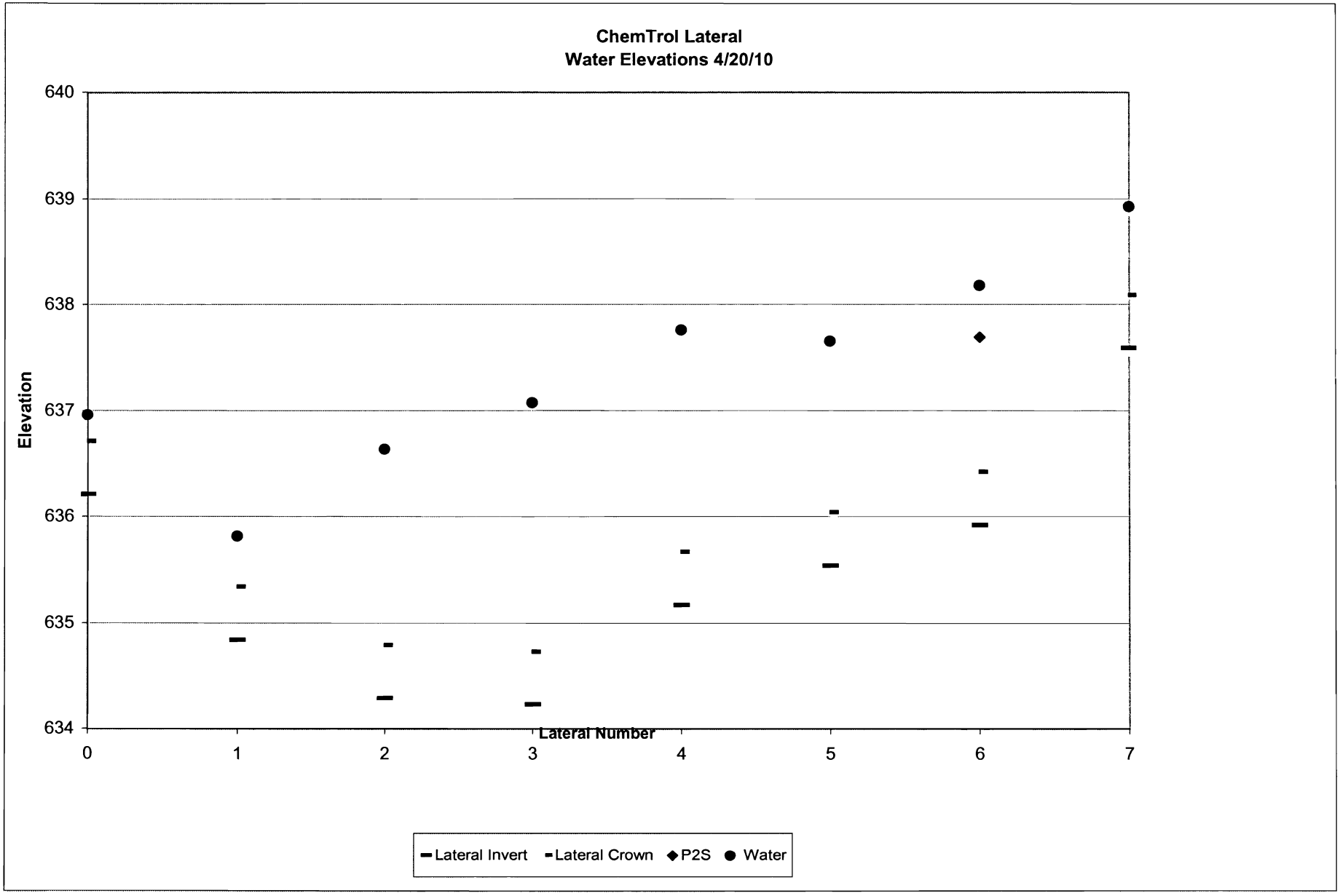
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	637.0	0.3
1	635.8	0.5
2	636.6	1.8
3	637.1	2.3
4	637.8	2.1
5	637.7	1.6
6	638.2	1.8
7	638.9	0.8
P2S	637.7	
MW-3S	620.2	

Note: see attached chart

Comments:

Each SVE lateral remains submerged.

PID readings for VOCs were obtained from each lateral vent with no detects observed.


ChemTrol Lateral
Water Elevations 4/20/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: May 19, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

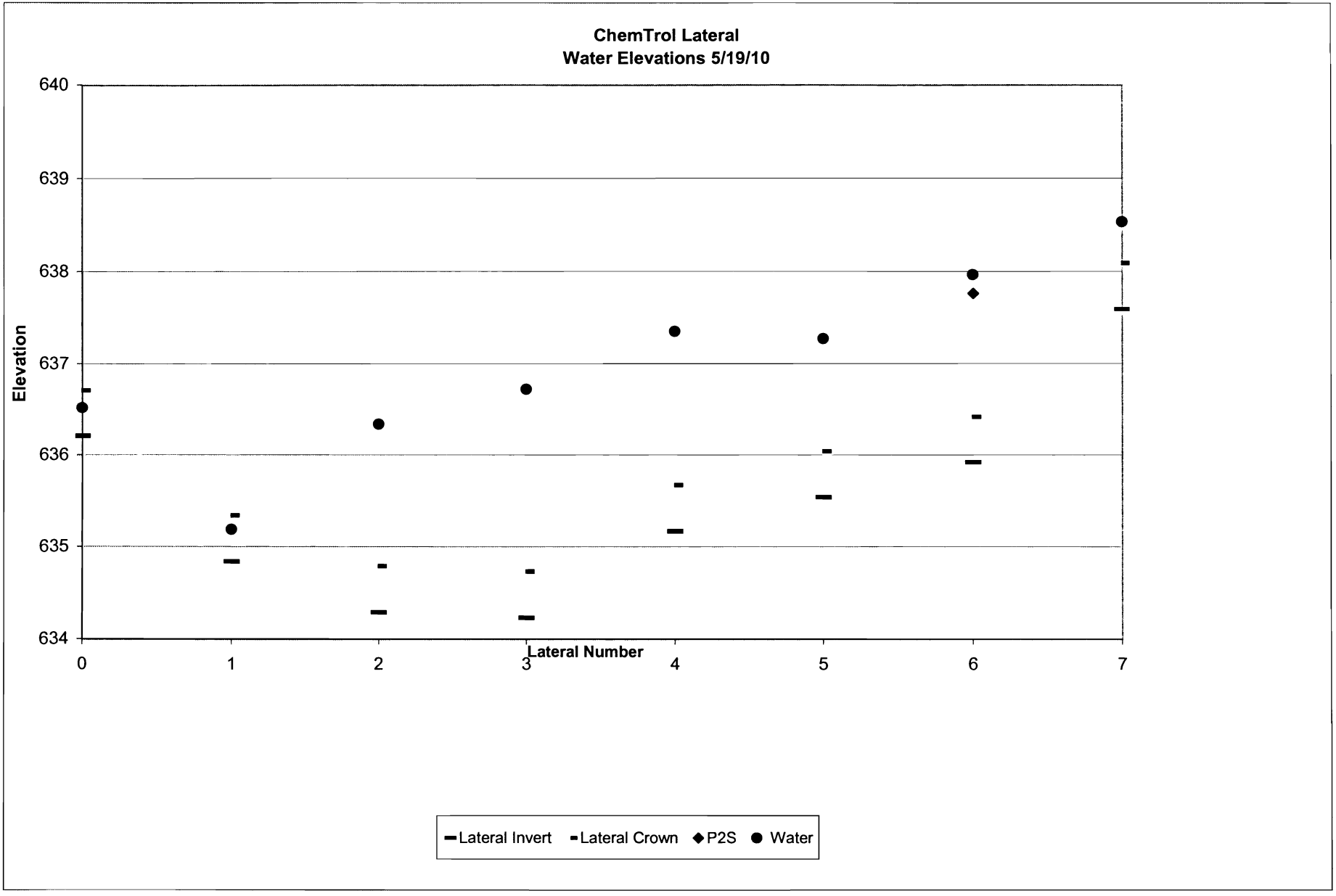
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.5	Clear
1	635.2	Clear
2	636.3	1.6
3	636.7	2.0
4	637.3	1.7
5	637.3	1.2
6	638.0	1.5
7	638.5	0.4
P2S	637.8	
MW-3S	620.2	

Note: see attached chart

Comments:

Water levels in laterals 0 and 1 have dropped so that the crowns of both laterals are no longer submerged.

PID readings for VOCs were obtained from each lateral vent with no detects observed.


ChemTrol Lateral
Water Elevations 5/19/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: June 15, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

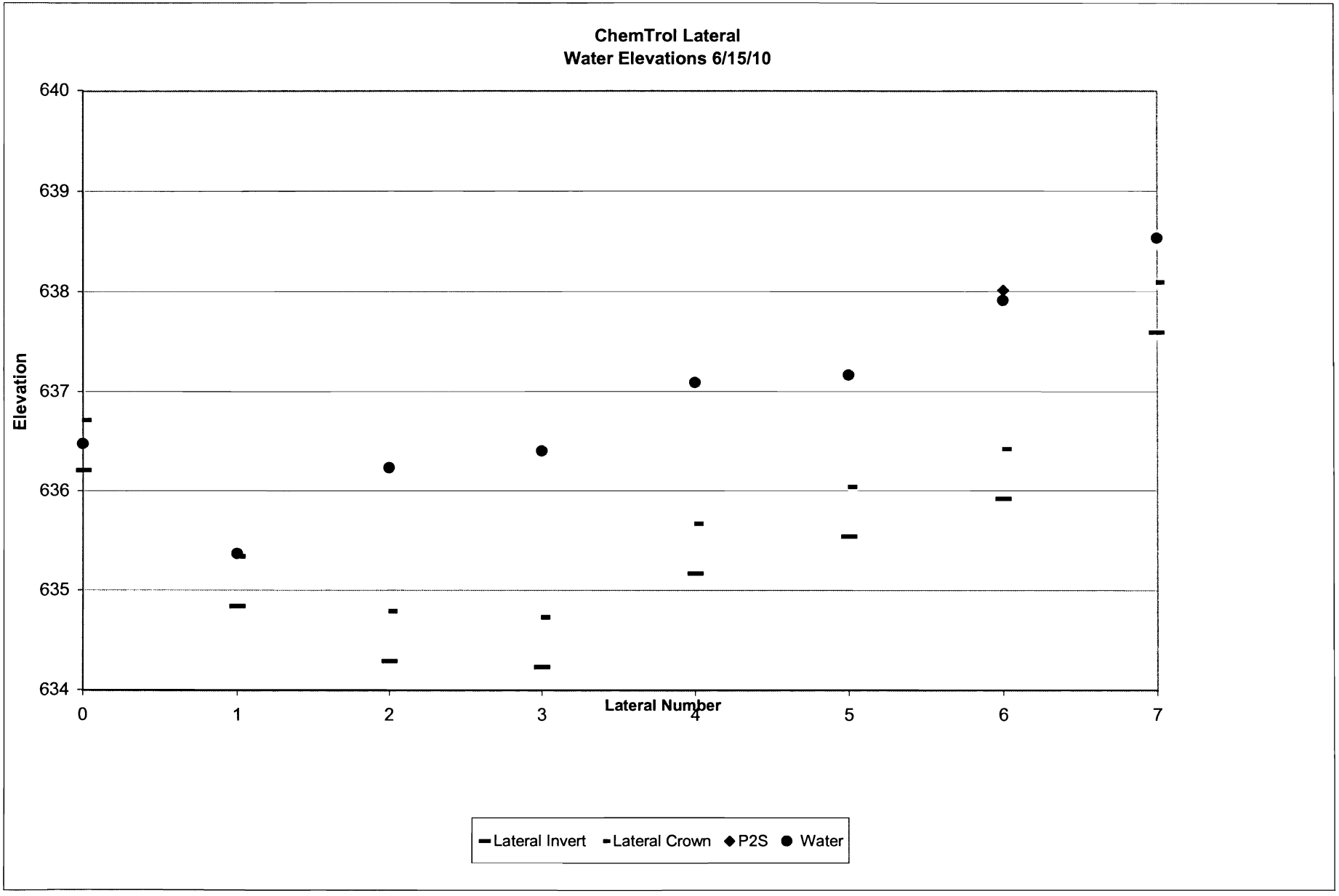
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.5	Clear
1	635.2	0
2	636.3	1.4
3	636.7	1.7
4	637.3	1.4
5	637.3	1.1
6	638.0	1.5
7	638.5	0.4
P2S	638.0	
MW-3S	620.2	

Note: see attached chart

Comments:

Water level in lateral 0 has dropped so that the crown is no longer submerged. Water level in lateral 1 measured at the crown of the pipe.

PID readings for VOCs were obtained from each lateral vent with no detects observed.


ChemTrol Lateral
Water Elevations 6/15/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: June 25, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE on site today to measure water levels in each of the laterals and in monitoring wells P2s and MW-3S.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

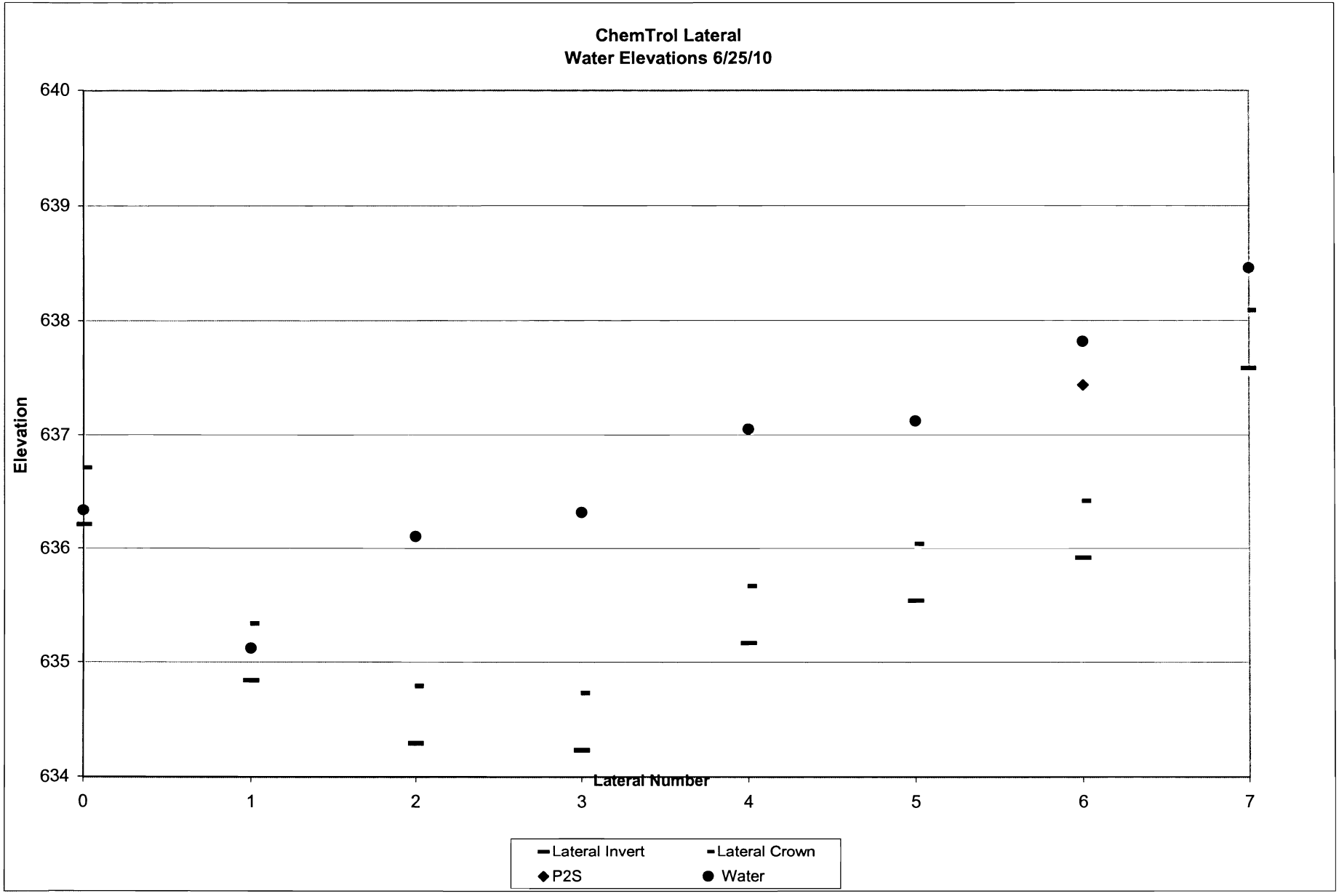
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.3	Clear
1	635.1	Clear
2	636.1	1.3
3	636.3	1.6
4	637.1	1.4
5	637.1	1.1
6	637.8	1.4
7	638.5	0.4
P2S	637.4	
MW-3S	620.0	

Note: see attached chart

Comments:

Water levels in laterals 0 and 1 have dropped so that the crown is no longer submerged.

PID readings for VOCs were not obtained today, see June 15, 2010, for this months observations.


ChemTrol Lateral
Water Elevations 6/25/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: June 30, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and measure quarterly ground water elevations across the site.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.0	Clear
1	635.0	Clear
2	636.1	1.3
3	636.3	1.5
4	637.0	1.4
5	637.1	1.1
6	637.8	1.4
7	638.5	0.4
P2S	637.2	
MW-3S	619.9	

Note: see attached chart

Comments:

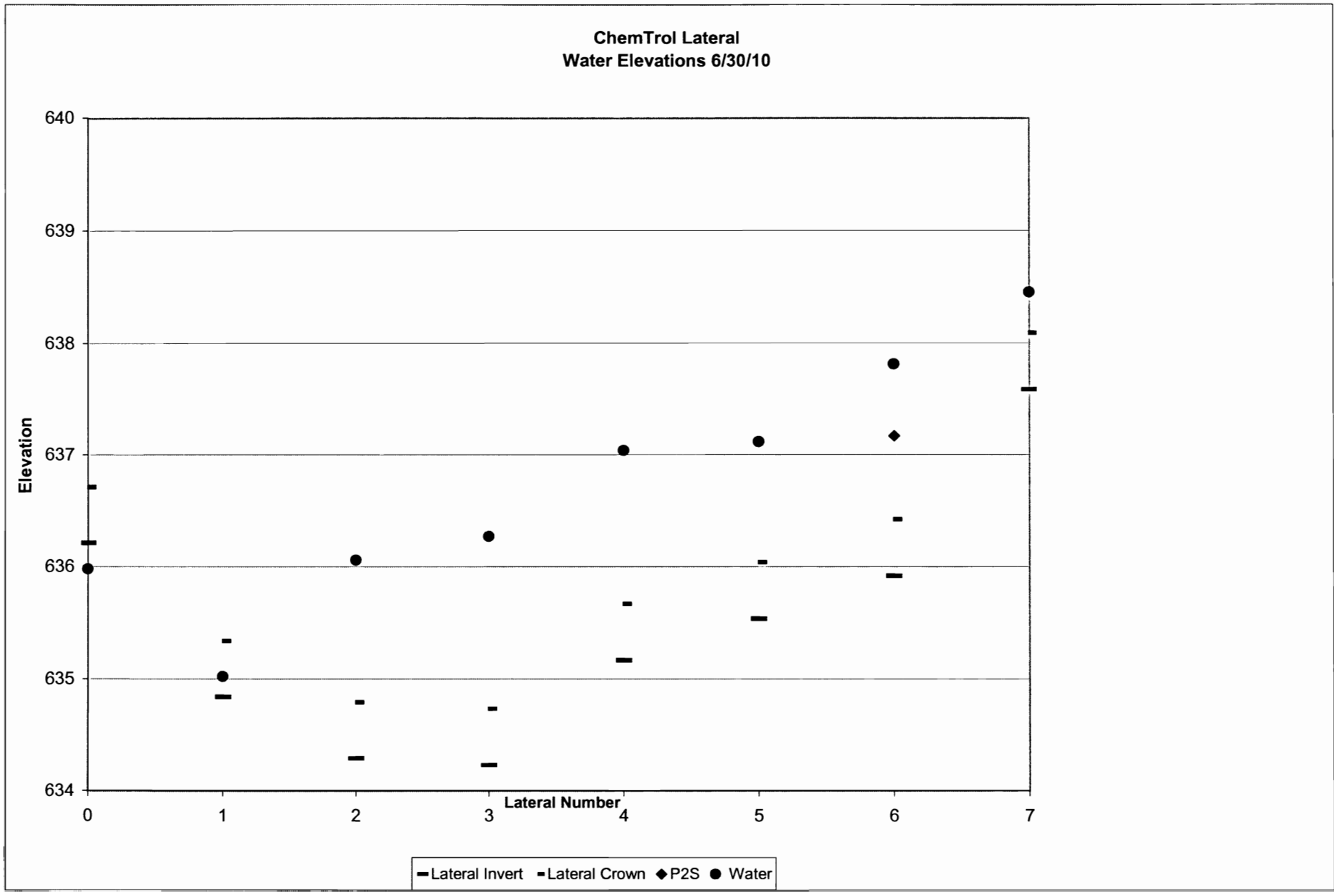
Water level in laterals 0 and 1 have dropped so that the crowns are no longer submerged.

PID measurements were not obtained today, see June 15, 2010, for this months observations.

MMCE measured Second Quarter water levels across the site today.
Observed water levels are summarized in the attached table.

Observed water levels are summarized in the table below:

	1Q	2Q
Well	3/16/10	6/30/10
OW-1FR	610.2	606.7
P97-5	609.9	606.7
MW-10S	610.7	609.3
MW-10R	610.2	606.9
P97-4	610.1	606.6
MW-13R	609.9	606.7
MW-8S	611.3	610.4
MW-8S	610.4	607.0
P97-3	610.3	606.6
MW-9RD	612.2	612.2
MW-9R	610.5	606.6
MW-9S	612.1	609.7
P97-2	613.4	609.6
P97-1	613.6	611.5
MW-12R	614.3	610.5
MW-12S	618.1	613.9
MW-14R	613.3	601.8
OW-2FR	610.5	606.7
MW-4S	624.2	622.7
MW-4R	610.0	606.4
P2S	621.9	620.7
MW-3S	621.0	619.9
P3R	619.5	609.5
P3S	620.7	620.1
OW-3R	615.5	614.5
P5S	628.9	628.5
P5R	618.8	617.1
MW-5S	625.9	623.8
P2R	640.5	635.7
P2S	638.6	637.2
MW-2S	639.1	637.7
MW-6S	632.0	628.9
MW-6R	621.5	620.0
P1S	638.2	637.8
MW-1R	639.2	637.3
MW-1S	640.8	639.0
MW-7S	639.4	636.7
MW-7R	638.1	636.6


ChemTrol Lateral
Water Elevations 6/30/10
640
639
638
637
636
635
634
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: July 21, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

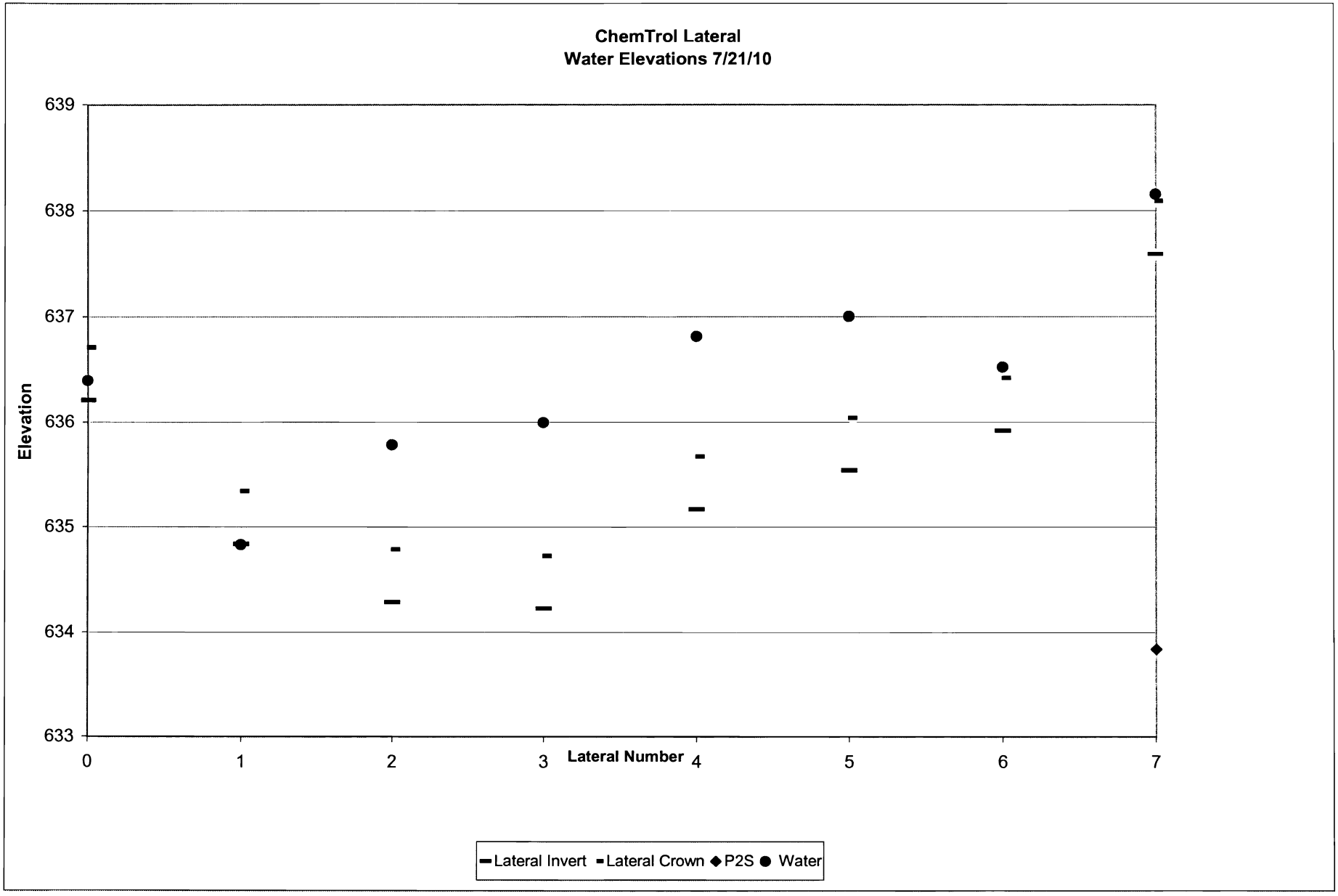
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.4	Clear
1	634.8	Clear
2	635.8	1.0
3	636.0	1.3
4	636.8	1.1
5	637.0	1.0
6	636.5	0.1
7	638.2	0.1
P2S	635.0	
MW-3S	619.5	

Note: see attached chart

Comments:

Water level in laterals continues to drop with two laterals above water and two more laterals only submerged by 0.1 ft. It seems likely that at least four of the laterals will soon be above water. Arrangements will be made to obtain summa canister samples when the laterals are no longer submerged.

PID measurements for VOCs were obtained from each vent with no detects observed.


ChemTrol Lateral
Water Elevations 7/21/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
Lateral Number
4
5
6
7
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: August 18, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent. MMCE arrived prepared to collect summa canister samples if favorable conditions were encountered.

MMCE also measured quarterly ground water elevations across the site and the results are summarized in the attached table.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.4	Clear
1	634.9	Clear
2	635.4	0.5
3	635.4	0.7
4	636.5	0.8
5	636.6	0.6
6	637.1	0.7
7	637.9	Clear
P2S	633.8	
MW-3S	619.2	

Note: see attached chart

Comments:

Water levels in lateral 0, 1 and 7 have dropped so that the crowns are above water. The remainder of the laterals are also approaching breaking above the water surface.

PID measurements for VOCs were obtained and the observations are summarized below:

Lateral	Measurement (ppmv)	
	Shallow	Deep
0	0.9	0.4
1	1.3	5.6
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0.5	3.0

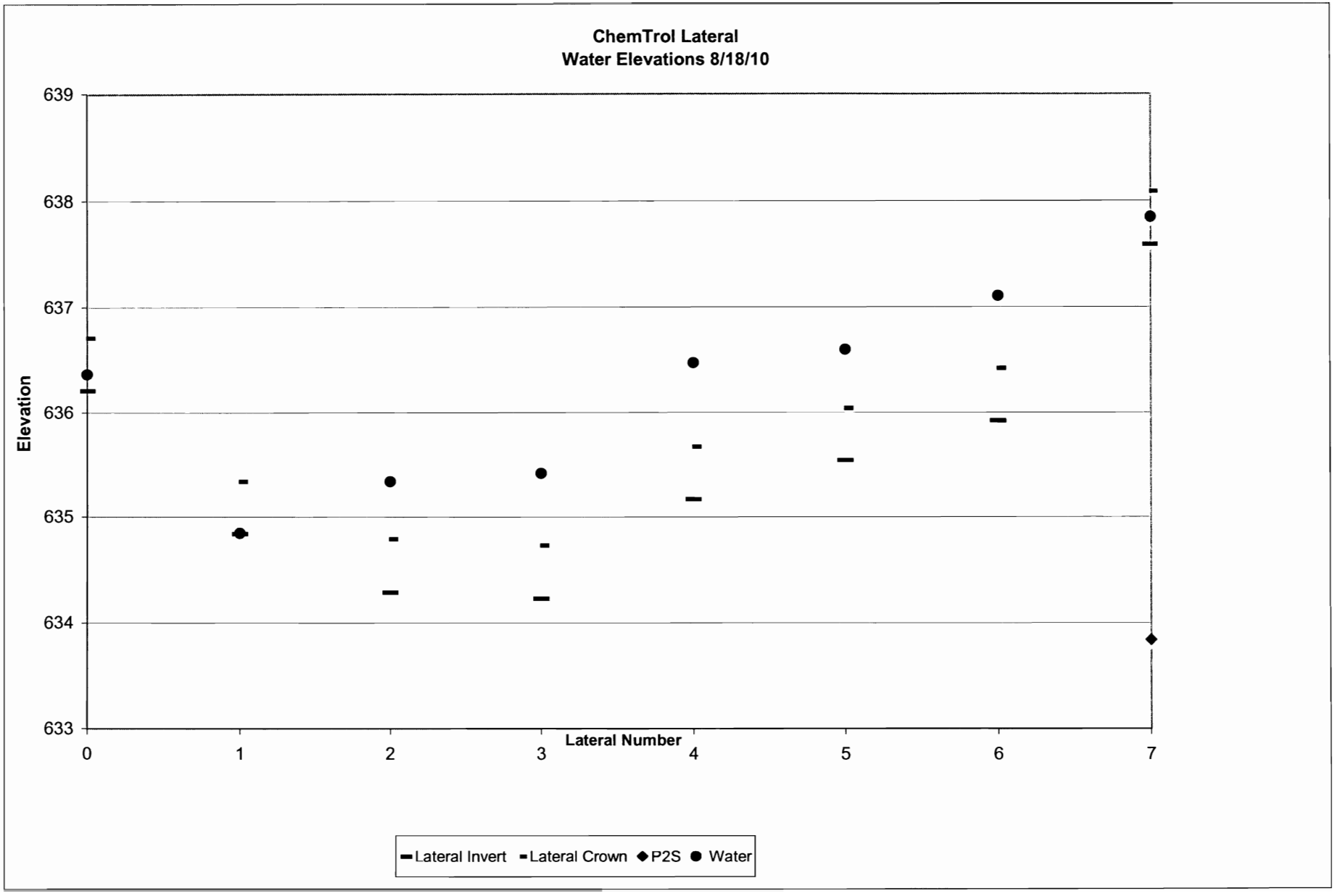
Note: Shallow measurements were obtained about 3 ft. into the lateral vent.
Deep measurements were obtained about 15 ft. into the lateral riser pipe.

Summa Canister samples were collected today from laterals 0, 1 and 2. Two samples were collected from each lateral, a shallow sample about three feet into the vent and a

deep sample about 15 feet into the vent. Details and results of the TO-14a analysis can be found in the SVE system evaluation report submitted under separate cover to NYSDEC.

Ground water elevations collected across the site are summarized in the following table:

	1Q	2Q	3Q
Well	**3/16/10**	**6/30/10**	**8/18/10**
OW-1FR	610.2	606.7	604.6
P97-5	609.9	606.7	604.7
MW-10S	610.7	609.3	609.3
MW-10R	610.2	606.9	604.8
P97-4	610.1	606.6	604.6
MW-13R	609.9	606.7	604.9
MW-8S	611.3	610.4	610.0
MW-8S	610.4	607.0	605.2
P97-3	610.3	606.6	604.5
MW-9RD	612.2	612.2	612.3
MW-9R	610.5	606.6	604.5
MW-9S	612.1	609.7	609.4
P97-2	613.4	609.6	608.7
P97-1	613.6	611.5	610.8
MW-12R	614.3	610.5	609.0
MW-12S	618.1	613.9	611.7
MW-14R	613.3	601.8	613.4
OW-2FR	610.5	606.7	604.5
MW-4S	624.2	622.7	621.8
MW-4R	610.0	606.4	604.8
P2S	621.9	620.7	620.6
MW-3S	621.0	619.9	619.2
P3R	619.5	609.5	619.5
P3S	620.7	620.1	619.6
OW-3R	615.5	614.5	614.3
P5S	628.9	628.5	623.9
P5R	618.8	617.1	614.8
MW-5S	625.9	623.8	622.5
P2R	640.5	635.7	633.5
P2S	638.6	637.2	633.8
MW-2S	639.1	637.7	634.0
MW-6S	632.0	628.9	627.1
MW-6R	621.5	620.0	617.6
P1S	638.2	637.8	633.1
MW-1R	639.2	637.3	645.4
MW-1S	640.8	639.0	634.4
MW-7S	639.4	636.7	632.2
MW-7R	638.1	636.6	633.4


ChemTrol Lateral
Water Elevations 8/18/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: September 13, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.5	Clear
1	634.7	Clear
2	634.9	0.2
3	634.9	0.2
4	636.1	0.4
5	636.2	0.2
6	636.7	0.2
7	637.8	Clear
P2S	633.4	
MW-3S	618.8	

Note: see attached chart

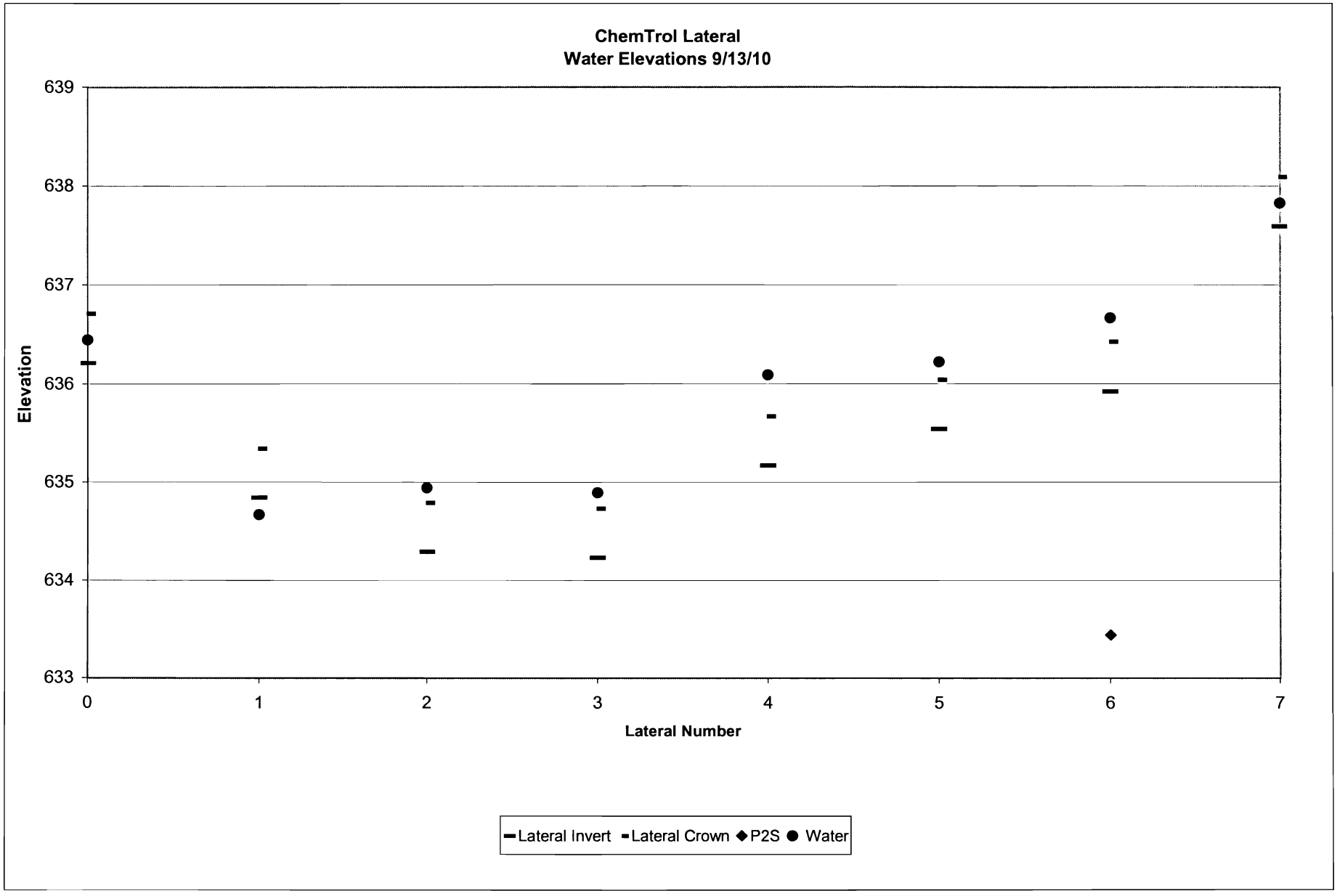
Comments:

Water levels in lateral 0, 1 and 7 remain below the crowns of each of those laterals. Water levels continue to drop and the remainder of the laterals may soon be above water.

PID measurements for VOCs were obtained and the observations are summarized below:

Lateral	Measurement (ppmv)
0	0.0
1	2.3
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.1

Summa canister samples were obtained from laterals 0, 1 and 7 on August 18, 2010. Provisions will be made to have summa canisters on hand to sample laterals 2, 3, 4, 5, and 6 as water levels drop and expose each lateral's crown.


ChemTrol Lateral
Water Elevations 9/13/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: September 30, 2010

Soil Vapor Extraction (SVE) System Site Visit

MMCE arrived on site today to measure water levels in each of the laterals and monitoring well ground water elevations in P2s and MW-3S.

Water levels in each lateral and two adjacent monitoring wells are summarized below:

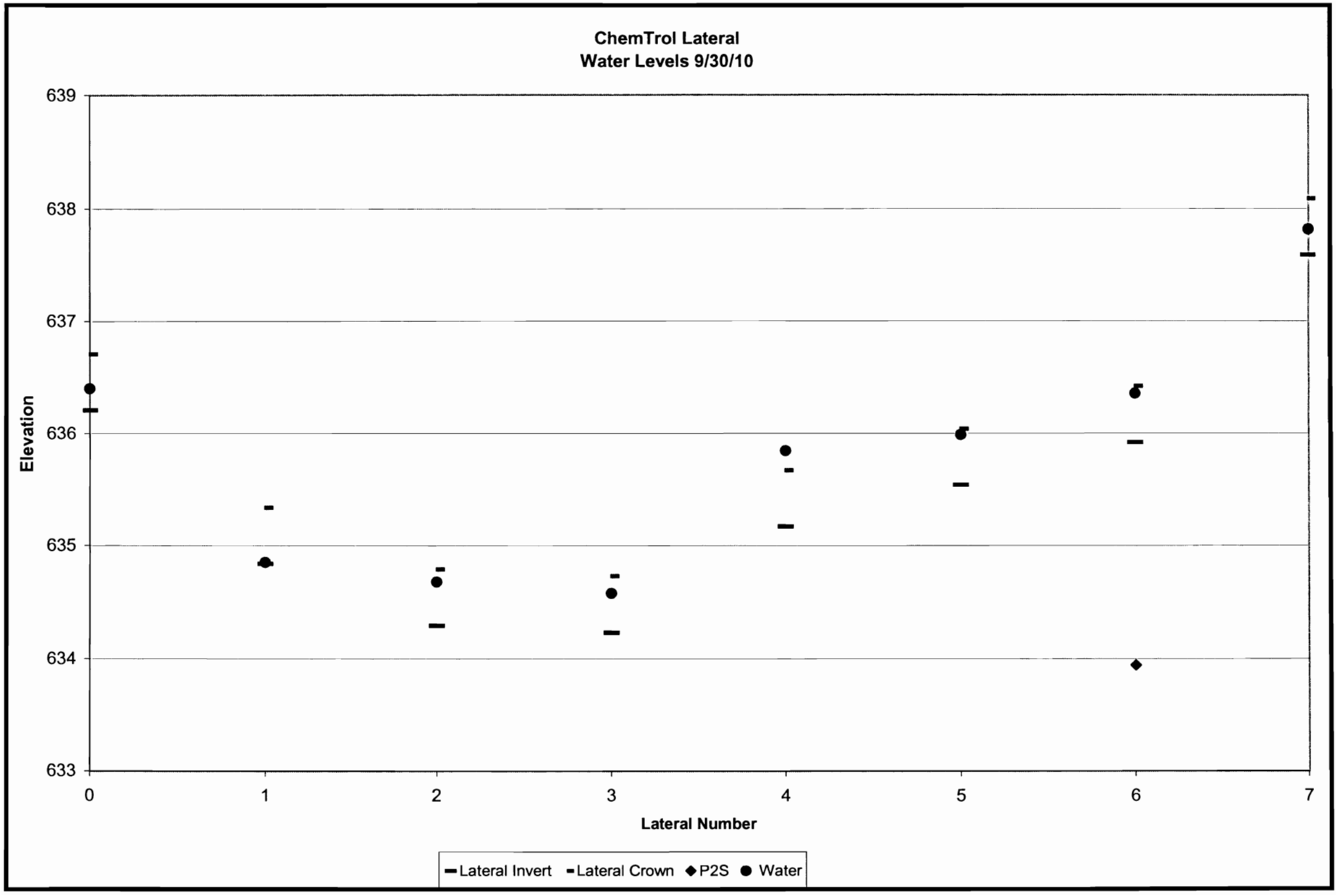
Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.4	Clear
1	634.9	Clear
2	634.7	Clear
3	634.6	Clear
4	635.8	0.4
5	636.0	Clear
6	636.4	Clear
7	637.8	Clear
P2S	633.4	
MW-3S	618.8	

Note: see attached chart

Comments:

Water levels in all laterals except 4 have dropped so that the crowns are above water. A visit to collect summa canister samples will be scheduled as quickly as possible before seasonal weather changes may elevate water levels in the laterals.

PID measurements for VOCs were not obtained this visit, see September 13, 2010, for monthly PID observations.


ChemTrol Lateral
Water Levels 9/30/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: October 13, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure quarterly ground water elevations in all wells across the site. MMCE also arrived prepared to obtain summa canister samples for TO-1a analysis from laterals not previously sampled. See October 12, 2010 report for lateral water elevations.

PID measurements for VOCs were obtained and the observations are summarized below:

Lateral	Measurement (ppmv)	
	Shallow	Deep
0*	0.3	0
1*	6.5	0
2	0	1.3
3	73	149
4	0.0	0
5	0.0	1.7
6	0.9	17.4
7*	5.6	0

Note – Shallow locations about 3 ft. into vent. Deep locations about 15 ft. into vent.

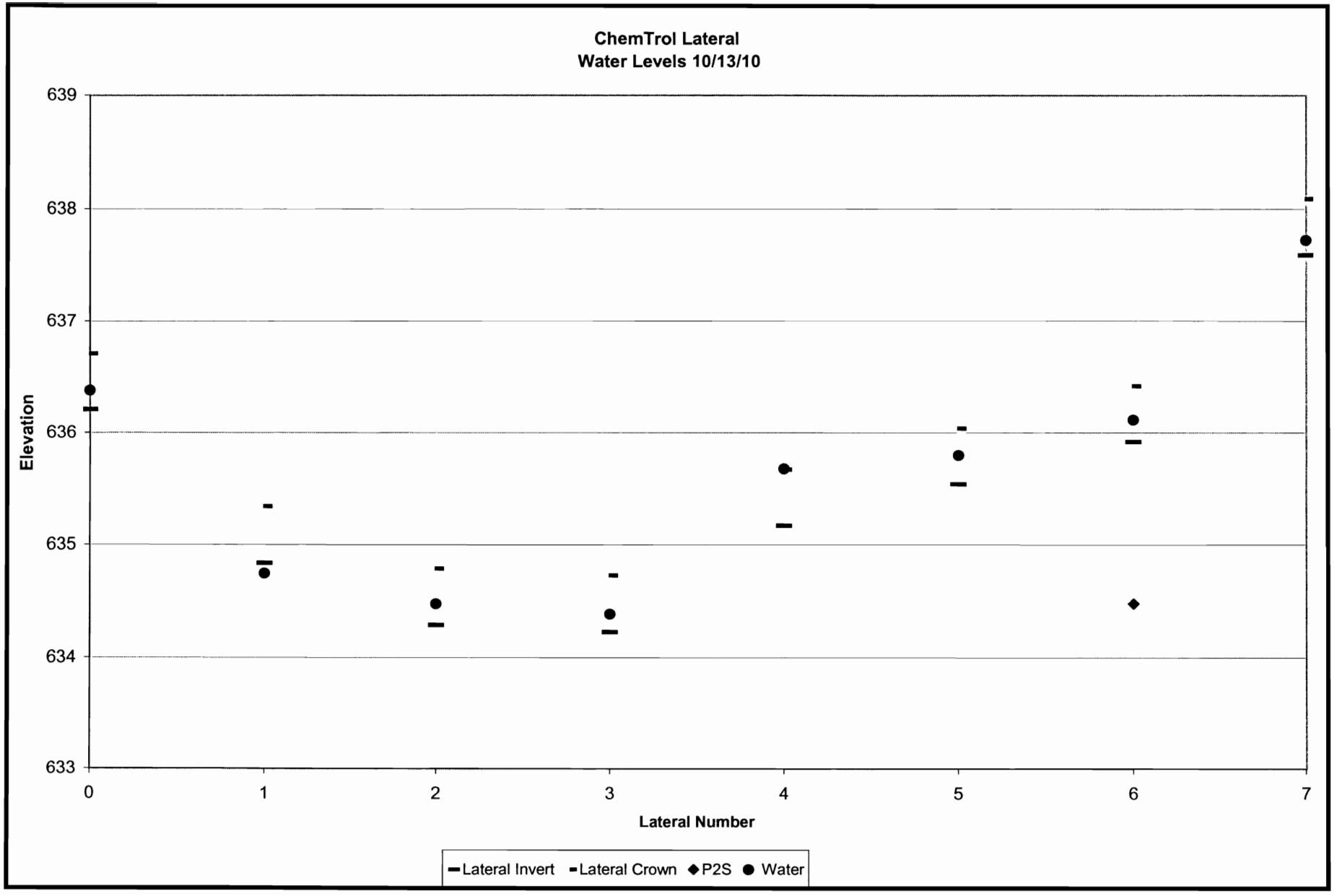
* - Previously summa canister samples for TO-14a analysis were obtained from laterals 0, 1 and 7 (see reports for 8/18/10). Therefore only laterals 2, 3, 5, and 6 were sampled today.

Chem-Trol

Blasdell, New York
File: 94-022

Summary of Groundwater Elevation Measurements - 2010

	1Q	2Q	3Q	4Q
Well	**3/16/10**	**6/30/10**	**8/18/10**	**10/13/10**
OW-1FR	610.2	606.7	604.6	605.7
P97-5	609.9	606.7	604.7	605.6
MW-10S	610.7	609.3	609.3	609.3
MW-10R	610.2	606.9	604.8	605.5
P97-4	610.1	606.6	604.6	605.5
MW-13R	609.9	606.7	604.9	605.6
MW-8S	611.3	610.4	610.0	609.9
MW-8S	610.4	607.0	605.2	605.8
P97-3	610.3	606.6	604.5	605.4
MW-9RD	612.2	612.2	612.3	612.0
MW-9R	610.5	606.6	604.5	605.3
MW-9S	612.1	609.7	609.4	609.4
P97-2	613.4	609.6	608.7	609.1
P97-1	613.6	611.5	610.8	611.0
MW-12R	614.3	610.5	609.0	608.5
MW-12S	618.1	613.9	611.7	611.7
MW-14R	613.3	601.8	613.4	612.0
OW-2FR	610.5	606.7	604.5	605.3
MW-4S	624.2	622.7	621.8	621.8
MW-4R	610.0	606.4	604.8	605.2
P2S	621.9	620.7	620.6	620.5
MW-3S	621.0	619.9	619.2	618.4
P3R	619.5	609.5	619.5	619.5
P3S	620.7	620.1	619.6	619.3
OW-3R	615.5	614.5	614.3	614.2
P5S	628.9	628.5	623.9	623.9
P5R	618.8	617.1	614.8	615.4
MW-5S	625.9	623.8	622.5	622.2
P2R	640.5	635.7	633.5	632.4
P2S	638.6	637.2	633.8	634.5
MW-2S	639.1	637.7	634.0	635.0
MW-6S	632.0	628.9	627.1	626.0
MW-6R	621.5	620.0	617.6	618.4
P1S	638.2	637.8	633.1	634.1
MW-1R	639.2	637.3	645.4	634.7
MW-1S	640.8	639.0	634.4	634.4
MW-7S	639.4	636.7	632.2	633.2
MW-7R	638.1	636.6	633.4	634.3


ChemTrol Lateral
Water Levels 10/13/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: November 11, 2010

Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

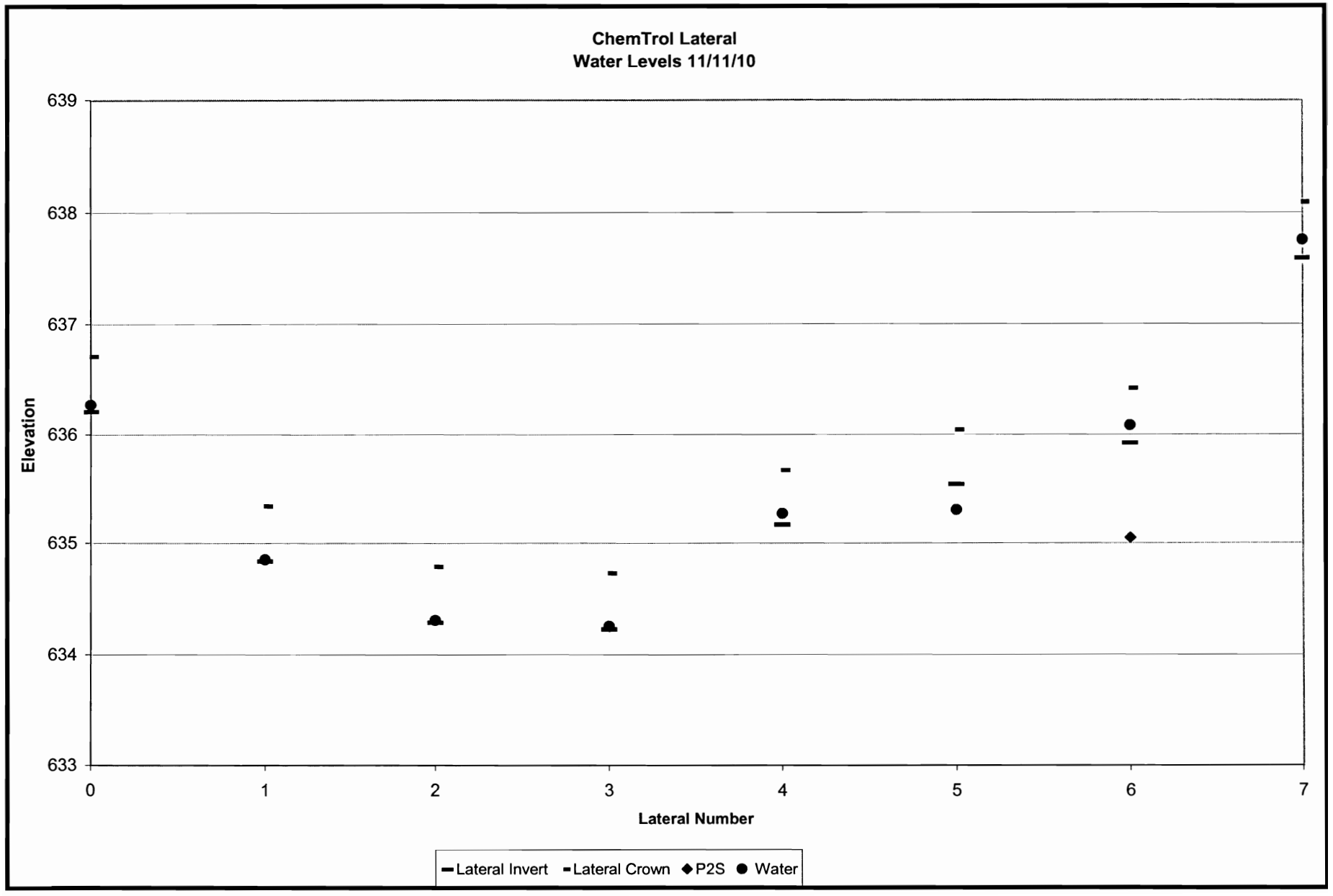
Water levels in each lateral and two adjacent monitoring wells are summarized below:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)
0	636.3	Clear
1	634.9	Clear
2	634.3	Clear
3	634.3	Clear
4	635.3	Clear
5	635.3	Clear
6	636.1	Clear
7	637.8	Clear
P2S	635.1	
MW-3S	637.6	

Note: see attached chart

Comments:

PID measurements for VOCs were obtained from each lateral today and no detects were observed.


ChemTrol Lateral
Water Levels 11/11/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: December 17, 2010

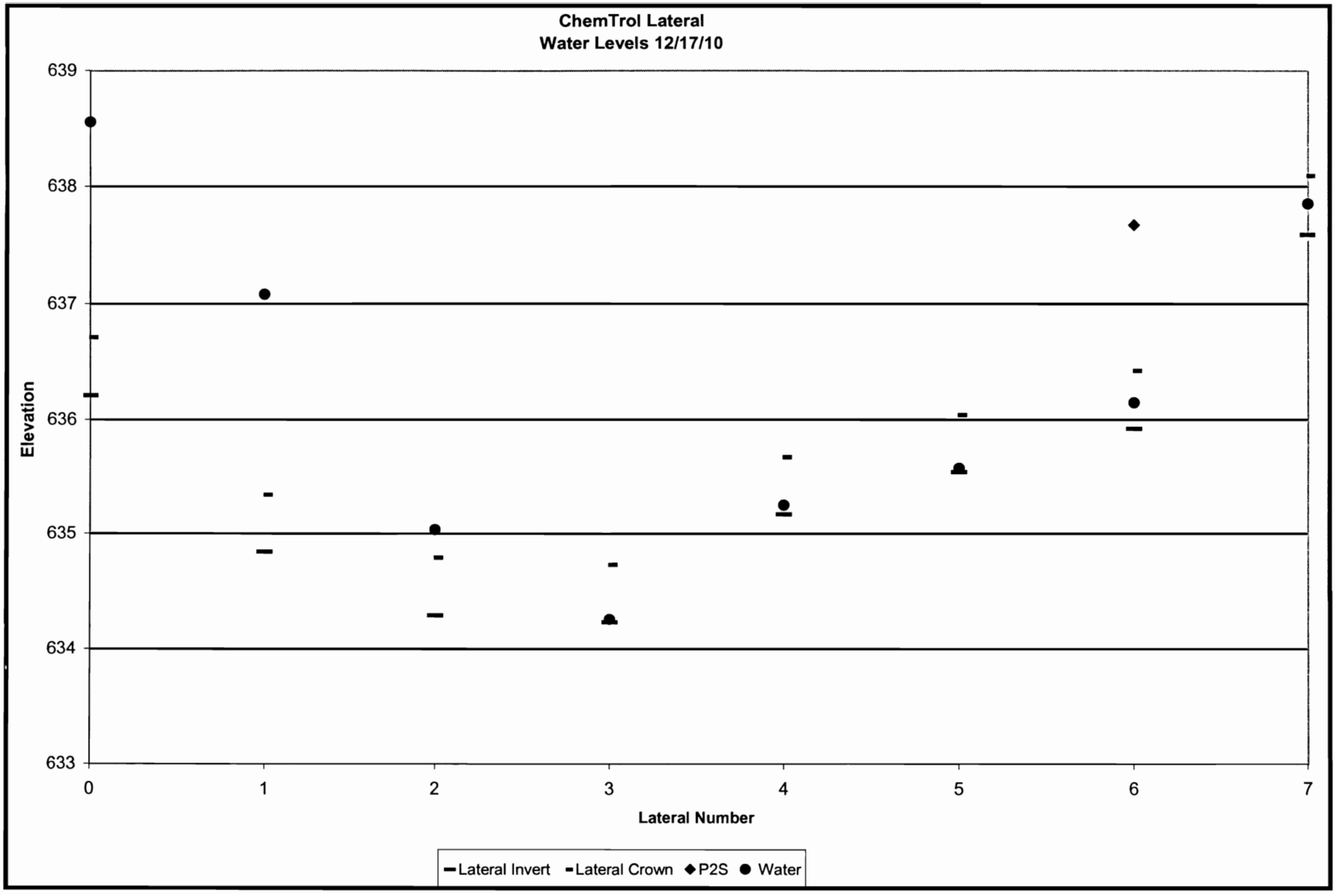
Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

PID measurements, monitoring well and lateral water levels are summarized in the following table:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)	Measurement (ppmv)
0	636.3	1.8	0
1	634.9	1.7	0
2	634.3	0.2	0
3	634.3	Clear	0.1
4	635.3	Clear	0
5	635.3	Clear	9.1
6	636.1	Clear	0
7	637.8	Clear	0
P2S	637.7		
MW-3S	620.3		

Note: see attached chart


ChemTrol Lateral
Water Levels 12/17/10
639
638
637
636
635
634
633
Elevation
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

Chem-Trol

Blasdell, New York
File: 94-022

Date: January 14, 2011

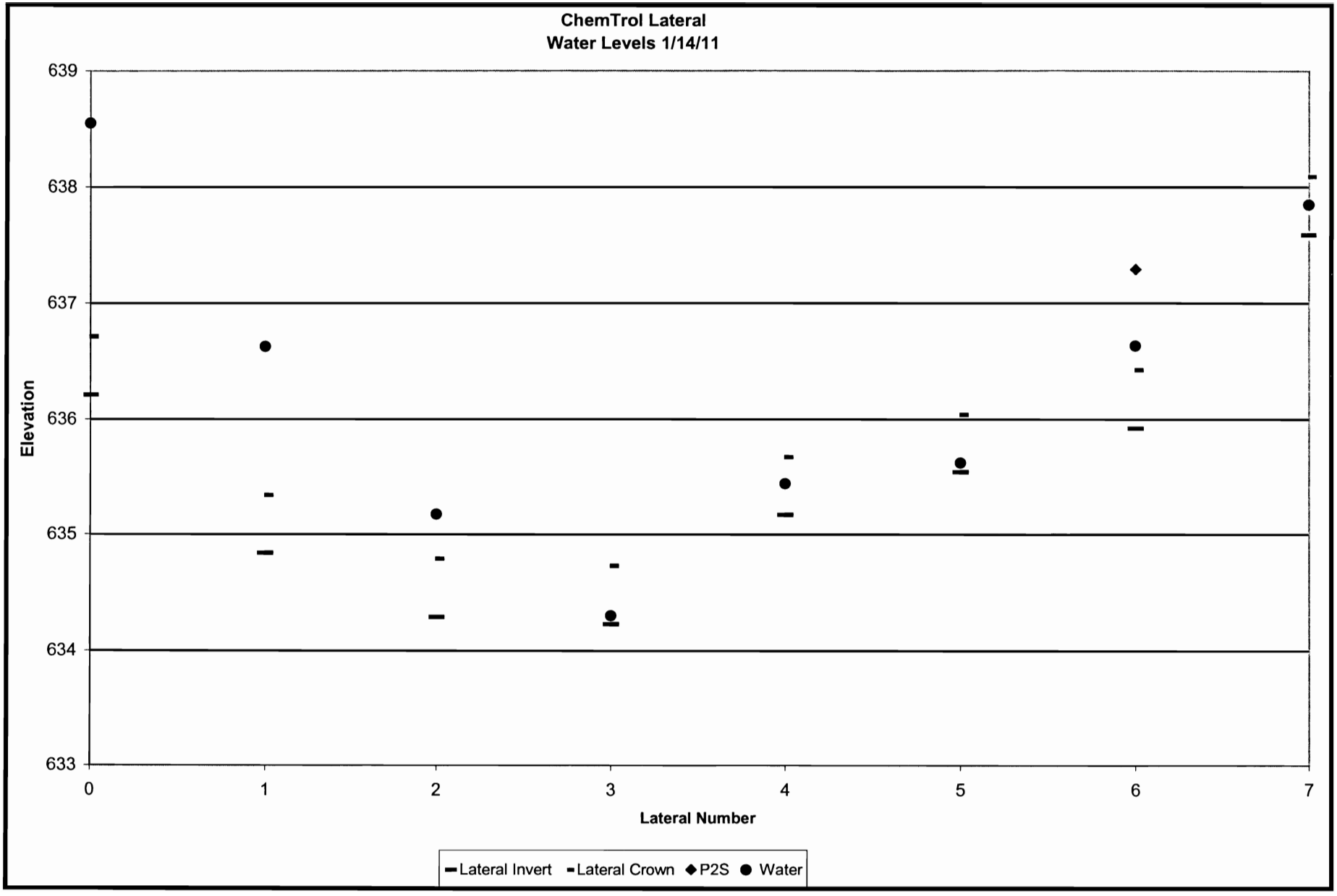
Soil Vapor Extraction (SVE) System Site Visit:

MMCE arrived on site today to measure water levels in each of the laterals, P2S and MW-3S monitoring well ground water elevations and total VOC emissions from each lateral vent.

PID measurements, monitoring well and lateral water levels are summarized in the following table:

Lateral Number	Water Elevation (ft.)	Depth Submerged (ft.)	Measurement (ppmv)
0	638.6	1.8	0
1	636.6	1.3	0
2	635.2	0.4	0
3	634.3	Clear	23.20
4	635.4	Clear	0
5	635.6	Clear	48.60
6	636.6	0.2	0
7	637.9	Clear	0
P2S	637.3		
MW-3S	620.0		

Note: see attached chart


ChemTrol Lateral
Water Levels 1/14/11
Elevation
639
638
637
636
635
634
633
0
1
2
3
4
5
6
7
Lateral Number
Lateral Invert
Lateral Crown
P2S
Water

ATTACHMENT II

Conversion of Soil Vapor Extraction System to Passive Venting

McMahon
& Mann
Consulting Engineers, P.C.

2495 Main Street, Suite 432, Buffalo, NY 14214

Donald R. McMahon, P.E.
Michael J. Mann, P.E.
Kenneth L. Fishman, Ph.D., P.E.
John A. Minichiello, CPESC, CPSWQ
James Bojarski, P.E.
Shawn W. Logan, P.E.
Andrew J. Nichols, P.E.
Todd Swackhamer, P.E.

February 23, 2010
File: 94-022

Mr. Mark Snyder, P.E.
Senior District Manager
Waste Management - Closed Site Management Group
425 Perinton Parkway
Fairport, New York 14450

Re: Conversion of Soil Vapor Extraction System to Passive Venting
Chem-Trol Site, Registry No. 9-15-015

Dear Mr. Snyder,

This letter describes the conversion of the soil vapor extraction (SVE) system at the Chem-Trol facility from an active to a passive system in January 2010.

Background

SC Holdings submitted an SVE System Evaluation Work Plan to the New York State Department of Environmental Conservation (NYSDEC) on October 22, 2009, proposing conversion of the active system to a passive venting system. The NYSDEC authorized conversion to a passive system along with monitoring the system for a year in its letter dated January 14, 2010.

System Conversion

McMahon & Mann Consulting Engineers P.C. (MMCE) began the system conversion on January 15 and completed the conversion on January 21, 2010. The following describes the steps taken to convert the SVE system to passive venting:

- The change began by switching the electricity off to the vacuum blower at the control panel box inside the SVE building. The circuit breaker box was also depowered as additional protection to prevent unintentional start up of the blower.

- MMCE closed the valves in the 4-inch pipes at each of the laterals where they transition to above ground. This effectively isolates each lateral from the remainder of the above ground piping system to encourage passive venting at each lateral. Closing these valves also prevents migration of vapors into the SVE building. Finally the make up valve located inside of the SVE building was fully opened to the

atmosphere to vent the above ground portion of the system and prevent applying any pressure to the piping system if the vacuum blower is periodically started to protect its motor bearings.

- The modification of each of the lateral pipes began after the system was depowered and valves isolated the underground pipes from the building. Modification began by removing the 4-inch caps and sample tubes from each cleanout and storing them in the SVE building. Water levels were measured and recorded for each lateral and for piezometer P2S. Data recorded through the year will be compiled and submitted in the monitoring report at the end of the monitoring period.

- The conversion plan requires that each lateral be extended by about 2-feet to maintain the vent opening above the weed growth during the summer season and above snow drifts in the winter (see Figure 1 for details). Each riser is constructed from a 4-inch threaded by 4-inch slip adapter coupled to a 4-inch by 2.5-foot pipe with a 90 degree elbow on top. The opening of the elbow is covered with screening to discourage insects from entering the pipe (see Photo 1). MMCE constructed the risers from Schedule 80 PVC pipe and fittings in order to match up with the existing pipes.

- All slip connections in the stacks are secured with self-tapping sheet metal screws. Completed stacks are screwed into each lateral via the 4-inch threaded male adapters. Glue was not used in any of the connections.

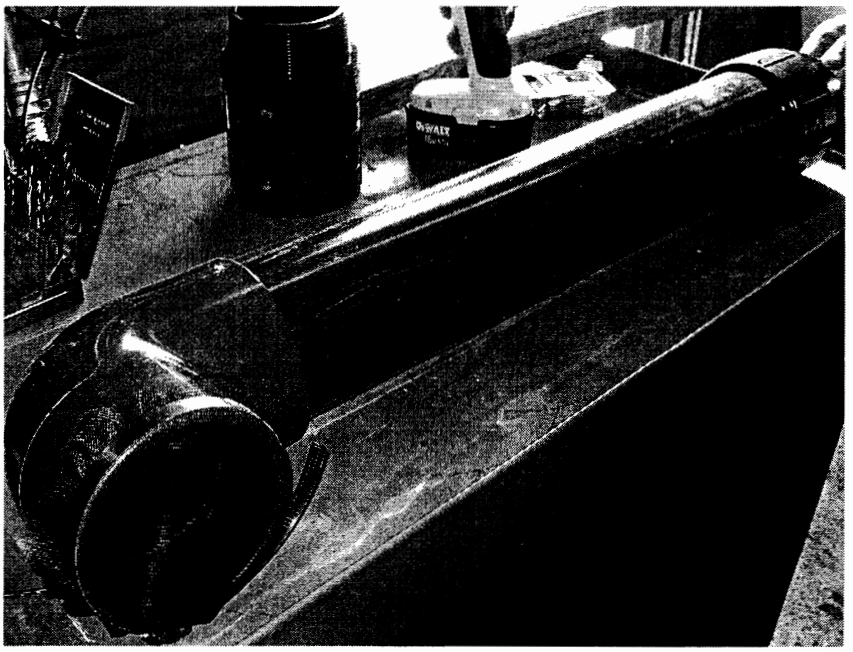


Photo 1 – Completed vent riser

- Installation of a sample port completed the riser. A 1.5-inch hole was drilled into the top of each elbow and plugged with an expandable rubber plug to protect the pipe

from insects. Water levels and VOC concentrations can be monitored by removing the expandable plug and inserting a meter probe into the riser (see Photos 2 and 3).

Photo 2 – Drilled sample port w/o expandable plug

Photo 3 – Installed vent riser with expandable plug inserted.

Photo 4 – First five installed vent risers

- MMCE converted five laterals on January 15, 2010 (see Photo 4). The remaining three risers were converted to passive vents on January 21, 2010.

Soil Vapor Extraction Monitoring Period

MMCE will observe the operation of the passive SVE system on a monthly basis in accordance with the approved work plan. The following work will be done to assess the performance of the passive venting system during the one-year period beginning February 1, 2010 and ending January 30, 2011:

- MMCE will obtain monthly measurements of water levels in each of the SVE lateral pipes and document the results,
- VOC measurements will be obtained with a PID device for each pipe,
- Monthly water levels in two wells, P2S and MW-3S, adjacent to the SVE lateral field will be measured to provide a reference comparison to levels in the lateral pipes,

- MMCE will tabulate monthly VOC influent concentrations detected in the groundwater collection and treatment system and from the SVE passive vent pipes, and,

- MMCE will coordinate collecting summa canister samples from each SVE collection lateral not submerged, one time per the evaluation period. The sample collection will be scheduled during a dry period of the year in August or September to increase the probability of the groundwater collection laterals being above the groundwater levels. TA laboratories will perform TO-14a analysis on the collected samples.

Data Evaluation and Report

MMCE will prepare a letter report for submittal to the NYSDEC in February 2011 summarizing the results of the SVE monitoring, including:

- Tabulating monthly VOC concentrations detected in the influent to the groundwater collection and treatment system and from SVE lateral passive vents;

- Demonstrating whether or not VOC concentrations increase significantly from that observed in the May and June 2009 SVE soil vapor sampling; and

- Demonstrating whether or not VOC concentrations in the influent to the groundwater collection and treatment system increase significantly while the SVE system operates passively.

As part of the letter report, an opinion will be provided as to whether or not passive operation of the SVE system provides a similar effectiveness to the overall remedy as active operation of the SVE system. If passive venting of the SVE system provides a similar effectiveness to the overall remedy, then continued passive operation of the SVE system along with continued routine operation and maintenance of the groundwater collection and treatment system is appropriate.

Please call MMCE should you have any questions or require any additional information.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERS, P.C.

James Bojarski, P.E.

John A. Minichiello, CPESC, CPSWQ

Attachment – Figure 1

ATTACHMENT III

Summa Canister Analytical Analytical Test Results

LATERALS 0, 1, 7
SCUMMA CANISTERS
SAMPLED 8/18/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

SDG Number: □

Site ID: ChemTrol Site

Project Description(s)
Work Order RTH1324 - Earth Tech Chem-Trol monthly

For:

Mark Snyder

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Pauline Michael

Pauline Michael For Ryan VanDette

Project Manager

pauline.michael@testamericainc.com

Monday, September 13, 2010

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parame ters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

DATA QUALIFIERS AND DEFINITIONS

ND [Undefined]

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: DL112144 (RTH1324-04 - Air)				**Sampled: 08/18/10 10:18**		**Recvd: 08/26/10**			
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**21000**		180	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**12000**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	**3600**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Chloroform	**780**		160	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	**5800**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**1200**		230	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Trichloroethene	**31000**		180	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Vinyl chloride	**110**		85	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Client ID: DL72954 (RTH1324-01 - Air)				**Sampled: 08/18/10 10:48**		**Recvd: 08/26/10**			
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**44**		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**98**		8.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	**25**		7.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Chloroform	**57**		9.8	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	**1400**		7.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**1800**		14	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Trichloroethene	**1400**		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Client ID: DLO1539 (RTH1324-03 - Air)				**Sampled: 08/18/10 09:45**		**Recvd: 08/26/10**			
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**710**		31	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1-Dichloroethane	**2500**		23	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1-Dichloroethene	**34**		22	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Tetrachloroethene	**110**		38	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Trichloroethene	**340**		30	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Client ID: SL16379 (RTH1324-05 - Air)				**Sampled: 08/18/10 10:29**		**Recvd: 08/26/10**			
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**2800**		30	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1-Dichloroethane	**1600**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1-Dichloroethene	**460**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Chloroform	**95**		27	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
cis-1,2-Dichloroethene	**680**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Tetrachloroethene	**170**		37	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Trichloroethene	**3800**		30	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Client ID: SL711345 (RTH1324-02 - Air)				**Sampled: 08/18/10 10:58**		**Recvd: 08/26/10**			
EPA-2 TO-14Ax									
cis-1,2-Dichloroethene	**20**		7.9	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**91**		14	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Trichloroethene	**63**		11	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Client ID: SLO98058 (RTH1324-06 - Air)				**Sampled: 08/18/10 10:02**		**Recvd: 08/26/10**			

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SLO98058 (RTH1324-06 - Air) - cont.					**Sampled: 08/18/10 10:02**		**Recvd: 08/26/10**		
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**32**		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**120**		8.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
m-Xylene & p-Xylene	**11**		8.7	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**15**		14	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Trichloroethene	**27**		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
DL112144	RTH1324-04	Air	08/18/10 10:18	08/24/10 09:15	
DL72954	RTH1324-01	Air	08/18/10 10:48	08/24/10 09:15	
DLO1539	RTH1324-03	Air	08/18/10 09:45	08/24/10 09:15	
SL16379	RTH1324-05	Air	08/18/10 10:29	08/24/10 09:15	
SL711345	RTH1324-02	Air	08/18/10 10:58	08/24/10 09:15	
SLO98058	RTH1324-06	Air	08/18/10 10:02	08/24/10 09:15	

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: DL112144 (RTH1324-04 - Air)					**Sampled: 08/18/10 10:18**		**Recvd: 08/26/10**		
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**21000**		180	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		230	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		180	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**12000**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	**3600**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		500	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		260	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		230	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,2-Dichloroethane	ND		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,2-Dichloropropane	ND		150	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		200	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Benzene	ND		110	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Bromodichloromethane	ND		220	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Bromoform	ND		340	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Bromomethane	ND		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Carbon disulfide	ND		260	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Carbon tetrachloride	ND		210	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Chlorobenzene	ND		150	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Chloroethane	ND		88	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Chloroform	**780**		160	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Chloromethane	ND		170	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	**5800**		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		150	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Dibromochloromethane	ND		280	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Dibromomethane	ND		470	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Dichlorodifluoromethane	ND		160	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Ethylbenzene	ND		140	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Hexachlorobutadiene	ND		1800	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Methylene chloride	ND		290	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
m-Xylene & p-Xylene	ND		140	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
o-Xylene	ND		140	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Styrene	ND		140	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**1200**		230	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Toluene	ND		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		130	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		150	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Trichloroethene	**31000**		180	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Trichlorofluoromethane	ND		190	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
Vinyl chloride	**110**		85	ug/m3	167	08/27/10 19:03	HT	242091	EPA-2 TO-14A
4-Bromofluorobenzene	*99 %*		*Surr Limits: (60-140%)*			*08/27/10 19:03*	*HT*	*242091*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: DL72954 (RTH1324-01 - Air)					**Sampled: 08/18/10 10:48**		**Recvd: 08/26/10**		
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**44**		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		14	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**98**		8.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	**25**		7.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		30	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		15	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,2-Dichloroethane	ND		8.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,2-Dichloropropane	ND		9.2	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		12	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Benzene	ND		6.4	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Bromodichloromethane	ND		13	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Bromoform	ND		21	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Bromomethane	ND		7.8	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Carbon disulfide	ND		16	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Carbon tetrachloride	ND		13	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Chlorobenzene	ND		9.2	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Chloroethane	ND		5.3	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Chloroform	**57**		9.8	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Chloromethane	ND		10	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	**1400**		7.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Dibromochloromethane	ND		17	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Dibromomethane	ND		28	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Dichlorodifluoromethane	ND		9.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Ethylbenzene	ND		8.7	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Hexachlorobutadiene	ND		110	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Methylene chloride	ND		17	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
m-Xylene & p-Xylene	ND		8.7	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
o-Xylene	ND		8.7	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Styrene	ND		8.5	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**1800**		14	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Toluene	ND		7.5	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Trichloroethene	**1400**		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Trichlorofluoromethane	ND		11	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
Vinyl chloride	ND		5.1	ug/m3	10.0	08/27/10 16:27	HT	242091	EPA-2 TO-14A
4-Bromofluorobenzene	*102 %*		*Surr Limits: (60-140%)*			*08/27/10 16:27*	*HT*	*242091*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: DLO1539 (RTH1324-03 - Air)					**Sampled: 08/18/10 09:45**		**Recvd: 08/26/10**		
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**710**		31	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		39	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		31	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1-Dichloroethane	**2500**		23	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,1-Dichloroethene	**34**		22	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		86	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		44	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		40	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,2-Dichloroethane	ND		23	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,2-Dichloropropane	ND		26	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		34	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Benzene	ND		18	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Bromodichloromethane	ND		38	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Bromoform	ND		59	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Bromomethane	ND		22	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Carbon disulfide	ND		44	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Carbon tetrachloride	ND		36	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Chlorobenzene	ND		26	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Chloroethane	ND		15	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Chloroform	ND		28	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Chloromethane	ND		29	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
cis-1,2-Dichloroethene	ND		22	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		26	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Dibromochloromethane	ND		48	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Dibromomethane	ND		81	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Dichlorodifluoromethane	ND		28	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Ethylbenzene	ND		25	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Hexachlorobutadiene	ND		300	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Methylene chloride	ND		49	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
m-Xylene & p-Xylene	ND		25	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
o-Xylene	ND		25	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Styrene	ND		24	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Tetrachloroethene	**110**		38	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Toluene	ND		21	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		22	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		26	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Trichloroethene	**340**		30	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Trichlorofluoromethane	ND		32	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
Vinyl chloride	ND		14	ug/m3	28.4	08/30/10 14:44	HT	243135	EPA-2 TO-14A
4-Bromofluorobenzene	*99 %*		*Surr Limits: (60-140%)*			*08/30/10 14:44*	*HT*	*243135*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Client ID: SL16379 (RTH1324-05 - Air) — **Sampled: 08/18/10 10:29** — **Recvd: 08/26/10**

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**2800**		30	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		38	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		30	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1-Dichloroethane	**1600**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,1-Dichloroethene	**460**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		83	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		42	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		39	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,2-Dichloroethane	ND		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,2-Dichloropropane	ND		26	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		33	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Benzene	ND		18	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Bromodichloromethane	ND		37	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Bromoform	ND		57	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Bromomethane	ND		21	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Carbon disulfide	ND		43	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Carbon tetrachloride	ND		35	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Chlorobenzene	ND		25	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Chloroethane	ND		15	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Chloroform	**95**		27	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Chloromethane	ND		29	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
cis-1,2-Dichloroethene	**680**		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		25	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Dibromochloromethane	ND		47	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Dibromomethane	ND		79	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Dichlorodifluoromethane	ND		27	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Ethylbenzene	ND		24	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Hexachlorobutadiene	ND		290	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Methylene chloride	ND		48	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
m-Xylene & p-Xylene	ND		24	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
o-Xylene	ND		24	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Styrene	ND		24	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Tetrachloroethene	**170**		37	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Toluene	ND		21	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		22	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		25	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Trichloroethene	**3800**		30	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Trichlorofluoromethane	ND		31	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
Vinyl chloride	ND		14	ug/m3	27.6	08/30/10 15:36	HT	243135	EPA-2 TO-14A
4-Bromofluorobenzene	*98 %*		*Surr Limits: (60-140%)*			*08/30/10 15:36*	*HT*	*243135*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SL711345 (RTH1324-02 - Air)					**Sampled: 08/18/10 10:58**		**Recvd: 08/26/10**		
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	ND		11	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		14	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		11	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	ND		8.1	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		30	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		15	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,2-Dichloroethane	ND		8.1	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,2-Dichloropropane	ND		9.2	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		12	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Benzene	ND		6.4	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Bromodichloromethane	ND		13	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Bromoform	ND		21	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Bromomethane	ND		7.8	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Carbon disulfide	ND		16	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Carbon tetrachloride	ND		13	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Chlorobenzene	ND		9.2	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Chloroethane	ND		5.3	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Chloroform	ND		9.8	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Chloromethane	ND		10	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	**20**		7.9	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Dibromochloromethane	ND		17	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Dibromomethane	ND		28	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Dichlorodifluoromethane	ND		9.9	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Ethylbenzene	ND		8.7	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Hexachlorobutadiene	ND		110	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Methylene chloride	ND		17	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
m-Xylene & p-Xylene	ND		8.7	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
o-Xylene	ND		8.7	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Styrene	ND		8.5	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**91**		14	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Toluene	ND		7.5	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Trichloroethene	**63**		11	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Trichlorofluoromethane	ND		11	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
Vinyl chloride	ND		5.1	ug/m3	10.0	08/27/10 17:17	HT	242091	EPA-2 TO-14A
4-Bromofluorobenzene	*102 %*		*Surr Limits: (60-140%)*			*08/27/10 17:17*	*HT*	*242091*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SLO98058 (RTH1324-06 - Air)					**Sampled: 08/18/10 10:02**		**Recvd: 08/26/10**		
EPA-2 TO-14A-TICx									
1,1,1,2-tetrachloroethane	ND	ND	NA	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A-TIC
o-chlorotoluene	ND	ND	NA	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A-TIC
EPA-2 TO-14Ax									
1,1,1-Trichloroethane	**32**		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,1,2,2-Tetrachloroethane	ND		14	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,1,2-Trichloroethane	ND		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,1-Dichloroethane	**120**		8.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,1-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,2,3-Trichloropropane	ND		30	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,2-Dibromoethane (EDB)	ND		15	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		14	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,2-Dichloroethane	ND		8.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,2-Dichloropropane	ND		9.2	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
1,3-Dichlorobenzene	ND		12	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Benzene	ND		6.4	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Bromodichloromethane	ND		13	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Bromoform	ND		21	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Bromomethane	ND		7.8	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Carbon disulfide	ND		16	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Carbon tetrachloride	ND		13	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Chlorobenzene	ND		9.2	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Chloroethane	ND		5.3	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Chloroform	ND		9.8	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Chloromethane	ND		10	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
cis-1,2-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
cis-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Dibromochloromethane	ND		17	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Dibromomethane	ND		28	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Dichlorodifluoromethane	ND		9.9	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Ethylbenzene	ND		8.7	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Hexachlorobutadiene	ND		110	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Methylene chloride	ND		17	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
m-Xylene & p-Xylene	**11**		8.7	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
o-Xylene	ND		8.7	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Styrene	ND		8.5	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Tetrachloroethene	**15**		14	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Toluene	ND		7.5	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
trans-1,2-Dichloroethene	ND		7.9	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
trans-1,3-Dichloropropene	ND		9.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Trichloroethene	**27**		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Trichlorofluoromethane	ND		11	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
Vinyl chloride	ND		5.1	ug/m3	10.0	08/27/10 20:46	HT	242091	EPA-2 TO-14A
4-Bromofluorobenzene	*103 %*		*Surr Limits: (60-140%)*			*08/27/10 20:46*	*HT*	*242091*	*EPA-2 TO-14A*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14A-TICx										
Blank Analyzed: 08/27/10 (Lab Number:H0H300000091B, Batch: 242091)										
None UNK			ND	ug/m3	ND		-			
EPA-2 TO-14A-TICx										
Blank Analyzed: 08/30/10 (Lab Number:H0H310000135B, Batch: 243135)										
None UNK			ND	ug/m3	ND		-			

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14Ax										
Blank Analyzed: 08/27/10 (Lab Number:H0H300000091B, Batch: 242091)										
1,1,1-Trichloroethane			1.1	ug/m3	ND		-			
1,1,2,2-Tetrachloroethane			1.4	ug/m3	ND		-			
1,1,2-Trichloroethane			1.1	ug/m3	ND		-			
1,1-Dichloroethane			0.81	ug/m3	ND		-			
1,1-Dichloroethene			0.79	ug/m3	ND		-			
1,2,3-Trichloropropane			3	ug/m3	ND		-			
1,2-Dibromoethane (EDB)			1.5	ug/m3	ND		-			
1,2-Dichloro-1,1,2,2-tetrafluoroethane			1.4	ug/m3	ND		-			
1,2-Dichloroethane			0.81	ug/m3	ND		-			
1,2-Dichloropropane			0.92	ug/m3	ND		-			
1,3-Dichlorobenzene			1.2	ug/m3	ND		-			
Benzene			0.64	ug/m3	ND		-			
Bromodichloromethane			1.3	ug/m3	ND		-			
Bromoform			2.1	ug/m3	ND		-			
Bromomethane			0.78	ug/m3	ND		-			
Carbon disulfide			1.6	ug/m3	ND		-			
Carbon tetrachloride			1.3	ug/m3	ND		-			
Chlorobenzene			0.92	ug/m3	ND		-			
Chloroethane			0.53	ug/m3	ND		-			
Chloroform			0.98	ug/m3	ND		-			
Chloromethane			1	ug/m3	ND		-			
cis-1,2-Dichloroethene			0.79	ug/m3	ND		-			
cis-1,3-Dichloropropene			0.91	ug/m3	ND		-			
Dibromochloromethane			1.7	ug/m3	ND		-			
Dibromomethane			2.8	ug/m3	ND		-			
Dichlorodifluoromethane			0.99	ug/m3	ND		-			
Ethylbenzene			0.87	ug/m3	ND		-			
Hexachlorobutadiene			11	ug/m3	ND		-			
Methylene chloride			1.7	ug/m3	ND		-			
m-Xylene & p-Xylene			0.87	ug/m3	ND		-			
o-Xylene			0.87	ug/m3	ND		-			
Styrene			0.85	ug/m3	ND		-			
Tetrachloroethene			1.4	ug/m3	ND		-			
Toluene			0.75	ug/m3	ND		-			
trans-1,2-Dichloroethene			0.79	ug/m3	ND		-			
trans-1,3-Dichloropropene			0.91	ug/m3	ND		-			

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14Ax										
Blank Analyzed: 08/27/10 (Lab Number:H0H300000091B, Batch: 242091)										
Trichloroethene			1.1	ug/m3	ND		-			
Trichlorofluoromethane			1.1	ug/m3	ND		-			
Vinyl chloride			0.51	ug/m3	ND		-			
Surrogate: 4-Bromofluorobenzene				*ug/m3*		*99*	*60-140*			
LCS Analyzed: 08/27/10 (Lab Number:H0H300000091C, Batch: 242091)										
1,1,1-Trichloroethane		27.3	1.1	ug/m3	31	114	70-130			
1,1,2,2-Tetrachloroethane		34.3	1.4	ug/m3	30	87	70-130			
1,1,2-Trichloroethane		27.3	1.1	ug/m3	25	90	70-130			
1,1-Dichloroethane		20.2	0.81	ug/m3	20	101	70-130			
1,1-Dichloroethene		19.8	0.79	ug/m3	20	102	70-130			
1,2,3-Trichloropropane		30.1	3	ug/m3	29	97	60-140			
1,2-Dibromoethane (EDB)		38.4	1.5	ug/m3	35	92	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane		35.0	1.4	ug/m3	37	105	60-140			
1,2-Dichloroethane		20.2	0.81	ug/m3	21	106	70-130			
1,2-Dichloropropane		23.1	0.92	ug/m3	19	81	70-130			
1,3-Dichlorobenzene		30.1	1.2	ug/m3	28	92	70-130			
Benzene		16.0	0.64	ug/m3	15	91	70-130			
Bromodichloromethane		33.5	1.3	ug/m3	33	98	70-130			
Bromoform		51.7	2.1	ug/m3	47	90	70-130			
Bromomethane		19.4	0.78	ug/m3	19	99	70-130			
Carbon disulfide		15.6	1.6	ug/m3	16	100	70-130			
Carbon tetrachloride		31.5	1.3	ug/m3	36	114	70-130			
Chlorobenzene		23.0	0.92	ug/m3	21	91	70-130			
Chloroethane		13.2	0.53	ug/m3	13	96	70-130			
Chloroform		24.4	0.98	ug/m3	24	98	70-130			
Chloromethane		10.3	1	ug/m3	10	99	60-140			
cis-1,2-Dichloroethene		19.8	0.79	ug/m3	20	102	70-130			
cis-1,3-Dichloropropene		22.7	0.91	ug/m3	20	89	70-130			
Dibromochloromethane		42.6	1.7	ug/m3	41	96	70-130			
Dibromomethane		35.5	2.8	ug/m3	37	104	70-130			
Dichlorodifluoromethane		24.7	0.99	ug/m3	27	110	60-140			
Ethylbenzene		21.7	0.87	ug/m3	19	85	70-130			
Hexachlorobutadiene		53.3	11	ug/m3	51	96	60-140			
Methylene chloride		17.4	1.7	ug/m3	16	94	70-130			
m-Xylene & p-Xylene		43.4	0.87	ug/m3	38	87	70-130			

Waste Management - Hampton, NH
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14Ax										
LCS Analyzed: 08/27/10 (Lab Number:H0H300000091C, Batch: 242091)										
o-Xylene		21.7	0.87	ug/m3	19	87	70-130			
Styrene		21.3	0.85	ug/m3	19	87	70-130			
Tetrachloroethene		33.9	1.4	ug/m3	34	101	70-130			
Toluene		18.8	0.75	ug/m3	15	82	70-130			
trans-1,2-Dichloroethene		19.8	0.79	ug/m3	20	103	70-130			
trans-1,3-Dichloropropene		22.7	0.91	ug/m3	21	91	70-130			
Trichloroethene		26.9	1.1	ug/m3	30	110	70-130			
Trichlorofluoromethane		28.1	1.1	ug/m3	32	115	60-140			
Vinyl chloride		12.8	0.51	ug/m3	13	98	70-130			
Surrogate: 4-Bromofluorobenzene				*ug/m3*		*106*	*60-140*			
EPA-2 TO-14Ax										
Blank Analyzed: 08/30/10 (Lab Number:H0H310000135B, Batch: 243135)										
1,1,1-Trichloroethane			1.1	ug/m3	ND		-			
1,1,2,2-Tetrachloroethane			1.4	ug/m3	ND		-			
1,1,2-Trichloroethane			1.1	ug/m3	ND		-			
1,1-Dichloroethane			0.81	ug/m3	ND		-			
1,1-Dichloroethene			0.79	ug/m3	ND		-			
1,2,3-Trichloropropane			3	ug/m3	ND		-			
1,2-Dibromoethane (EDB)			1.5	ug/m3	ND		-			
1,2-Dichloro-1,1,2,2-tetrafluoroethane			1.4	ug/m3	ND		-			
1,2-Dichloroethane			0.81	ug/m3	ND		-			
1,2-Dichloropropane			0.92	ug/m3	ND		-			
1,3-Dichlorobenzene			1.2	ug/m3	ND		-			
Benzene			0.64	ug/m3	ND		-			
Bromodichloromethane			1.3	ug/m3	ND		-			
Bromoform			2.1	ug/m3	ND		-			
Bromomethane			0.78	ug/m3	ND		-			
Carbon disulfide			1.6	ug/m3	ND		-			
Carbon tetrachloride			1.3	ug/m3	ND		-			
Chlorobenzene			0.92	ug/m3	ND		-			
Chloroethane			0.53	ug/m3	ND		-			
Chloroform			0.98	ug/m3	ND		-			
Chloromethane			1	ug/m3	ND		-			
cis-1,2-Dichloroethene			0.79	ug/m3	ND		-			

Waste Management - Hampton, NH
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14Ax										
Blank Analyzed: 08/30/10 (Lab Number:H0H310000135B, Batch: 243135)										
cis-1,3-Dichloropropene			0.91	ug/m3	ND		-			
Dibromochloromethane			1.7	ug/m3	ND		-			
Dibromomethane			2.8	ug/m3	ND		-			
Dichlorodifluoromethane			0.99	ug/m3	ND		-			
Ethylbenzene			0.87	ug/m3	ND		-			
Hexachlorobutadiene			11	ug/m3	ND		-			
Methylene chloride			1.7	ug/m3	ND		-			
m-Xylene & p-Xylene			0.87	ug/m3	ND		-			
o-Xylene			0.87	ug/m3	ND		-			
Styrene			0.85	ug/m3	ND		-			
Tetrachloroethene			1.4	ug/m3	ND		-			
Toluene			0.75	ug/m3	ND		-			
trans-1,2-Dichloroethene			0.79	ug/m3	ND		-			
trans-1,3-Dichloropropene			0.91	ug/m3	ND		-			
Trichloroethene			1.1	ug/m3	ND		-			
Trichlorofluoromethane			1.1	ug/m3	ND		-			
Vinyl chloride			0.51	ug/m3	ND		-			
Surrogate: 4-Bromofluorobenzene				*ug/m3*		*97*	*60-140*			
LCS Analyzed: 08/30/10 (Lab Number:H0H310000135C, Batch: 243135)										
1,1,1-Trichloroethane	27.3		1.1	ug/m3	32	119	70-130			
1,1,2,2-Tetrachloroethane	34.3		1.4	ug/m3	29	83	70-130			
1,1,2-Trichloroethane	27.3		1.1	ug/m3	25	90	70-130			
1,1-Dichloroethane	20.2		0.81	ug/m3	21	105	70-130			
1,1-Dichloroethene	19.8		0.79	ug/m3	21	106	70-130			
1,2,3-Trichloropropane	30.1		3	ug/m3	29	95	60-140			
1,2-Dibromoethane (EDB)	38.4		1.5	ug/m3	36	94	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	35.0		1.4	ug/m3	45	130	60-140			
1,2-Dichloroethane	20.2		0.81	ug/m3	22	110	70-130			
1,2-Dichloropropane	23.1		0.92	ug/m3	20	87	70-130			
1,3-Dichlorobenzene	30.1		1.2	ug/m3	27	89	70-130			
Benzene	16.0		0.64	ug/m3	15	96	70-130			
Bromodichloromethane	33.5		1.3	ug/m3	34	100	70-130			
Bromoform	51.7		2.1	ug/m3	46	89	70-130			
Bromomethane	19.4		0.78	ug/m3	22	114	70-130			
Carbon disulfide	15.6		1.6	ug/m3	16	104	70-130			

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

SDG Number: □
Site ID: ChemTrol Site
Project: Earth Tech Chem-Trol monthly
Project Number: WMI01779

Received: 08/24/10
Reported: 09/13/10 10:57

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
EPA-2 TO-14Ax										
LCS Analyzed: 08/30/10 (Lab Number:H0H310000135C, Batch: 243135)										
Carbon tetrachloride		31.5	1.3	ug/m3	35	111	70-130			
Chlorobenzene		23.0	0.92	ug/m3	21	92	70-130			
Chloroethane		13.2	0.53	ug/m3	14	105	70-130			
Chloroform		24.4	0.98	ug/m3	26	105	70-130			
Chloromethane		10.3	1	ug/m3	13	124	60-140			
cis-1,2-Dichloroethene		19.8	0.79	ug/m3	21	106	70-130			
cis-1,3-Dichloropropene		22.7	0.91	ug/m3	21	92	70-130			
Dibromochloromethane		42.6	1.7	ug/m3	40	93	70-130			
Dibromomethane		35.5	2.8	ug/m3	39	108	70-130			
Dichlorodifluoromethane		24.7	0.99	ug/m3	28	113	60-140			
Ethylbenzene		21.7	0.87	ug/m3	19	88	70-130			
Hexachlorobutadiene		53.3	11	ug/m3	48	90	60-140			
Methylene chloride		17.4	1.7	ug/m3	17	96	70-130			
m-Xylene & p-Xylene		43.4	0.87	ug/m3	39	89	70-130			
o-Xylene		21.7	0.87	ug/m3	19	87	70-130			
Styrene		21.3	0.85	ug/m3	19	88	70-130			
Tetrachloroethene		33.9	1.4	ug/m3	34	100	70-130			
Toluene		18.8	0.75	ug/m3	16	86	70-130			
trans-1,2-Dichloroethene		19.8	0.79	ug/m3	21	107	70-130			
trans-1,3-Dichloropropene		22.7	0.91	ug/m3	21	93	70-130			
Trichloroethene		26.9	1.1	ug/m3	30	113	70-130			
Trichlorofluoromethane		28.1	1.1	ug/m3	33	118	60-140			
Vinyl chloride		12.8	0.51	ug/m3	14	110	70-130			
Surrogate: 4-Bromofluorobenzene				*ug/m3*		*106*	*60-140*			

ATTACHMENT C

PASSIVE SVE SYSTEM EVALUATION WORK PLAN

McMahon
& Mann
Consulting Engineers, P.C.

2495 Main Street, Suite 432, Buffalo, NY 14214

Donald R. McMahon, P.E.
Michael J. Mann, P.E.
Kenneth L. Fishman, PhD., P.E.
John A. Minichiello, CPESC, CPSWQ
James Bojarski, P.E.
Shawn W. Logan, P.E.
Andrew J. Nichols, P.E.
Todd Swackhamer, P.E.

October 22, 2009
File: 94-022

Mr. Glenn M. May, CPG
New York State Department of Environmental Conservation, Region 9
Division of Environmental Remediation
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: SVE System Evaluation Work Plan
Chem-Trol Site, Registry No. 9-15-015

Dear Mr. May:

McMahon & Mann Consulting Engineers, P.C. (MMCE) has prepared this submittal on behalf of SC Holdings, Inc. (SC Holdings) in response to our meeting on September 15, 2009 regarding the remedial efforts at the Chem-Trol site. During that meeting, data was presented that indicated VOC concentrations in soil vapor samples obtained from the SVE system were approximately 1 to 2 orders of magnitude less than soil vapor samples obtained during remedial design field studies in 1997. In addition, plots of VOC concentrations in the influent to the groundwater collection and treatment system versus time were presented that showed significant reduction in VOC concentrations in the groundwater since startup to where asymptotic condition had been reached. Based upon the significant reduction in SVE soil vapor sample VOC concentrations and the effective containment of groundwater VOC constituents by the groundwater collection and treatment system, it was agreed that conversion of the SVE system from active to passive operation was warranted and that SC Holdings should submit a request to convert the SVE system to a passive operation.

The following information is provided in support of the request to convert the Chem-Trol SVE system from active to passive operation.

BACKGROUND

A work plan was submitted to the New York State Department of Environmental Conservation (NYSDEC) in May 2009 which proposed to evaluate the performance of the SVE system by performing a rebound test on the system. Subsequent field efforts determined that the SVE system collection laterals were under water and that limited vacuum was reaching the perforated sections of the collection laterals. Based on this observation, it was decided to focus the SVE system evaluation on total VOC concentration measurements from functioning laterals using a combination of

photoionization detector (PID) measurements and EPA TO-14a analysis on summa canister soil vapor samples. By mid May 2009 water level data indicated that laterals #0, #1, and #7 were open to soil vapor flow, so soil vapor samples were obtained for EPA Method TO-14a analysis. A summa canister sample was obtained from lateral #1 on May 22, 2009; however, due to weather conditions, laterals #0 and #7 were not sampled. Summa canister samples from laterals #0, #1 and #7 were successfully obtained on July 30, 2009.

The analytical data from the July 2009 samples indicated a combined total VOC concentration of approximately 4 ppmv in laterals #0, #1 and #7 with the majority of VOCs being generated within lateral #7 at a total VOC concentration of approximately 3.8 ppmv. VOC concentrations for the July 2009 soil vapor samples were then compared with the VOC concentrations in soil vapor samples taken during remedial design field studies at the Chem-Trol site in 1997, VOC concentrations from PID measurements of the blower exhaust at the startup of the SVE system in 1999 and VOC concentrations from PID measurements of the SVE blower exhaust over the past three years. The following is a summary of the comparison:

- Soil vapor samples were obtained in 1997 during a soil vapor pump test at locations SVEW-1 and SVEW-2 as shown on Figure 1. The soil vapor analyses indicated that VOC concentrations in samples from SVEW-1 (i.e., SVE-1, SVE-4 and SVE-5) ranged from 48 to 69.7 ppmv and a sample from SVEW-2 (i.e., SVE-2) had a VOC concentration of 660 ppmv (see Table 1). The summa canister sample obtained from lateral #7 on July 30, 2009 yielded the highest concentration of VOCs at approximately 3.8 ppmv (see Table 1). Because lateral #7 intersects the approximate location of SVEW-1 (see Figure 1), it is reasonable to conclude that VOC concentrations in the soil have been reduced by at least an order of magnitude; and

- In a letter to the NYSDEC dated April 21, 1999, MMCE provided organic vapor meter readings for air discharge from the SVE system. Air entering the SVE building from the collection laterals had a VOC concentration ranging from approximately 20 to 60 ppm. Over the past seven years, only three sampling events have detected measurable concentrations of VOCs as follows; 9 ppmv – 6/29/06, 2 ppmv – 10/7/07 and 2 ppmv – 10/1/08. These values approximate the combined VOC concentrations measured in laterals #0, #1 and #7. Therefore, it appears that VOC concentrations in the SVE blower exhaust have decreased by an order of magnitude since the SVE system began start-up in 1999.

In addition to reviewing VOC concentration data from the SVE system, we also reviewed VOC analytical data (o-chlorotoluene) for monthly groundwater samples taken at the inlet of the groundwater treatment system. The VOC concentration data for the groundwater samples was plotted versus time for July 2002 through May 2009 sampling events (see Figure 2). The data plot shows that the concentrations of VOCs in the groundwater have been significantly reduced since initiation of system operation to a point that the plot is asymptotic. This indicates that the source contributing to VOC concentrations observed in groundwater has been reduced to where its influence on groundwater has stabilized. Furthermore, continued operation of the groundwater collection and treatment system can be expected to continue containing groundwater contaminants, but at a slower rate than observed in the past.

WORK PLAN

The 1996 ROD states on page 32 that VOC levels in the area of the SVE collection system are to be monitored to assess the effectiveness of the remedial effort:

> *The concentrations of volatile organic compounds in this area will be monitored to assess the effectiveness of this portion of the remedial effort. When this monitoring indicates that the concentrations of the compounds have been reduced to the levels given in the Soil Cleanup Guidelines, or when no additional reduction in soil contaminants is noted, the need for any additional remediation actions will be assessed.*

In order to monitor the effectiveness of the SVE system at removing VOCs to the levels given in the Soil Cleanup Guidelines, soil sampling for VOC analysis would be required. Unfortunately, the area of the site that would be sampled in order to obtain soil samples for VOC analysis has a synthetic cap that would need to be penetrated and consequently, compromise the integrity of the cap. As an alternative, we propose to evaluate VOCs remaining in the soil by measuring the concentration of VOCs in soil vapor samples collected from the SVE collection laterals. The measured VOC concentrations will be compared to the VOC concentrations measured in the 1997 soil vapor study and the VOC concentrations at SVE startup in 1999 to determine if additional reduction in soil contaminants is occurring. This approach will not compromise the cap and provides a measure of the system's effectiveness over a wider area versus a discrete area represented by a soil sample.

Given that at least five out of the eight SVE collection laterals are below water during a significant portion of the year and are effectively blocked from the influence of the vacuum from the SVE blower, we are proposing to shut down the SVE blower system and conduct this assessment under passive operating conditions. The objective of the assessment is to determine if the cleanup objectives established in the NYSDEC 1996 ROD for the Chem-Trol site have effectively been met and that the remedial effort will not be compromised when the SVE system collection laterals are allowed to vent passively to the atmosphere.

Shutting down the SVE blower would not impact the effectiveness of the overall remedial system in removing VOCs from the soil and groundwater; VOCs will continue to diffuse out of the soil under passive operations and the groundwater collection system will continue to operate during the assessment period. VOCs intended to be collected in the SVE laterals that are under water will diffuse and dissolve into the water table and be collected in the groundwater collection system for subsequent treatment.

In general, it is proposed to assess the performance of the SVE system over a one year period as follows:

- Place "goose neck" pipe extensions on the SVE lateral risers after the SVE blower is shut down;

- Obtain monthly measurements of VOC concentrations in soil vapors in all laterals using a PID;

- Obtain monthly measurements of water levels in the SVE collection lateral risers; and

- Obtain monthly measurements of water level elevations in MW-3S and P2S.

Data from the above tasks will be combined with VOC concentration data from soil vapor samples collected in May and July 2009. In addition to monitoring VOC concentrations in soil vapors venting from the SVE laterals, monitoring of VOC concentrations in the influent to the groundwater collection and treatment system will continue as required under the current monitoring program.

Once the assessment period has concluded, MMCE will prepare a letter report summarizing the results of the above tasks, including:

- Tabulating monthly VOC concentrations detected in the influent to the groundwater collection and treatment system and from SVE lateral passive vents;

- Demonstrating whether or not VOC concentrations increase significantly from that observed in the May and June 2009 SVE soil vapor sampling; and

- Demonstrating whether or not VOC concentrations in the influent to the groundwater collection and treatment system increase significantly while the SVE system operates passively.

As part of the letter report, an opinion will be provided as to whether or not passive operation of the SVE system provides a similar effectiveness to the overall remedy as active operation of the SVE system. If passive venting of the SVE system provides a similar effectiveness to the overall remedy, then continued passive operation of the SVE system along with continued routine operation and maintenance of the groundwater collection and treatment system is warranted.

If desired, a meeting will be scheduled with the NYSDEC to discuss the results of the assessment upon submittal of the letter report.

Please call MMCE (716-834-8932) or Mark R. Snyder (585-223-6132) if you have any questions or require additional information.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERS, P.C.

James Bojarski, P.E.

John A. Minichiello, CPESC, CPSWQ

cc: Mark R. Snyder, PE (SC Holdings, Inc.)
Enc.

ATTACHMENT D

NYSDEC APPROVAL OF PASSIVE SVE EVALUATION WORK PLAN

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2915
Phone: (716) 851-7220 • **FAX:** (716) 851-7226
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

January 14, 2010

Mark Snyder, P.E.
Waste Management.
425 Perinton Parkway
Fairport, New York 14450

Dear Mr. Snyder:

SVE System Evaluation Work Plan;
Chem-Trol Site, Registry No. 915015;
Blasdell, Erie County

The New York State Department of Environmental Conservation (NYSDEC) has completed a detailed review of the subject document submitted by McMahon & Mann Consulting Engineers, P.C. (McMahon & Mann) on October 22, 2009 on behalf of SC Holdings, Inc. In this work plan, McMahon & Mann requests that the SVE system be converted from active to passive operation and presents a methodology to assess the passive performance of the SVE system over a one-year period.

Based upon the justification presented in the work plan, with clarification as described in a January 14, 2010 e-mail (Mr. John Minichiello to Mr. Glenn May), the NYSDEC approves McMahon & Mann's request to convert the SVE system to passive operation and further approves the SVE System Evaluation Work Plan dated October 22, 2009. As part of this approval, the Department requests that at least one round of summa canister samples be collected during the assessment period and analyzed by EPA Method TO-14a.

Should you have any questions, please feel free to contact me at (716) 851-7220.

Sincerely yours,

Glenn M. May

Glenn M. May, CPG
Environmental Geologist II

GMM:sz

cc: Mr. Gregory Sutton, NYSDEC, Region 9
Mr. Brian Sadowski, NYSDEC, Region 9
Mr. John Minichiello, McMahon & Mann ✓

ATTACHMENT E

2010 ANNUAL GROUNDWATER SAMPLE ANALYTICAL RESULTS REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RTJ2030

Site ID: ChemTrol Site

Project Description
Chem-trol Groundwater

For:

Mark Snyder

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Pauline Michael

Pauline Michael For Ryan VanDette

Project Manager

pauline.michael@testamericainc.com

Wednesday, November 10, 2010

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parame ters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

SpecificMethod	Analyte	Units	Client RL	Lab PQL
8260B	2-Butanone	ug/L	5.0	10
8260B	Acetone	ug/L	5.0	10

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

DATA QUALIFIERS AND DEFINITIONS

D08 Dilution required due to high concentration of target analyte(s)

NR Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-01 (MW-13R - Water)					**Sampled: 10/27/10 13:20**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
o-Chlorotoluene	**210**	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Sample ID: RTJ2030-02RE1 (MW-3S - Water)					**Sampled: 10/27/10 13:55**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
o-Chlorotoluene	**85000**	D08	2000	ug/L	2000	11/05/10 12:29	LH	10K0467	8260B
Sample ID: RTJ2030-03 (MW-9R - Water)					**Sampled: 10/27/10 13:00**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
1,1,1-Trichloroethane	**310**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1-Dichloroethane	**93**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1-Dichloroethene	**5.7**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
o-Chlorotoluene	**100**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Chloroethane	**9.5**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Sample ID: RTJ2030-04 (MW-8R - Water)					**Sampled: 10/27/10 13:10**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
o-Chlorotoluene	**35**		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Sample ID: RTJ2030-07 (MW-15R - Water)					**Sampled: 10/27/10 13:35**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
Benzene	**13**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Chloromethane	**9.3**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Ethylbenzene	**12**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Methylcyclohexane	**68**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Xylenes, total	**76**		15	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Sample ID: RTJ2030-07RE1 (MW-15R - Water)					**Sampled: 10/27/10 13:35**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
Cyclohexane	**130**	D08	5.0	ug/L	2.00	11/05/10 13:12	LH	10K0467	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-13R	RTJ2030-01	Water	10/27/10 13:20	10/27/10 15:45	
MW-3S	RTJ2030-02	Water	10/27/10 13:55	10/27/10 15:45	
MW-9R	RTJ2030-03	Water	10/27/10 13:00	10/27/10 15:45	
MW-8R	RTJ2030-04	Water	10/27/10 13:10	10/27/10 15:45	
MW-7R	RTJ2030-05	Water	10/27/10 12:50	10/27/10 15:45	
DUP	RTJ2030-06	Water	10/27/10 12:50	10/27/10 15:45	
MW-15R	RTJ2030-07	Water	10/27/10 13:35	10/27/10 15:45	
TB	RTJ2030-08	Water	10/27/10 08:00	10/27/10 15:45	

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-01 (MW-13R - Water)					**Sampled: 10/27/10 13:20**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
1,1,1-Trichloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,1,2,2-Tetrachloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,1,2-Trichloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,1-Dichloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,1-Dichloroethene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2,4-Trichlorobenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dibromo-3-chloropropane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dibromoethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dichloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dichloropropane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,3-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,4-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
2-Butanone	ND	D08	25	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
o-Chlorotoluene	**210**	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
2-Hexanone	ND	D08	25	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
4-Methyl-2-pentanone	ND	D08	25	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Acetone	ND	D08	25	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Benzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Bromodichloromethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Bromoform	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Bromomethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Carbon disulfide	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Carbon Tetrachloride	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Chlorobenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Dibromochloromethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Chloroethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Chloroform	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Chloromethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
cis-1,2-Dichloroethene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
cis-1,3-Dichloropropene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Cyclohexane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Dichlorofluoromethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Ethylbenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Isopropylbenzene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Methyl Acetate	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Methylcyclohexane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Methylene Chloride	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Styrene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Tetrachloroethene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Toluene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
trans-1,2-Dichloroethene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-01 (MW-13R - Water) - cont.					**Sampled: 10/27/10 13:20**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Trichloroethene	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Trichlorofluoromethane	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Vinyl chloride	ND	D08	5.0	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
Xylenes, total	ND	D08	15	ug/L	4.00	11/05/10 12:08	LH	10K0467	8260B
1,2-Dichloroethane-d4	*93 %*	*D08*	*Surr Limits: (66-137%)*			*11/05/10 12:08*	*LH*	*10K0467*	*8260B*
4-Bromofluorobenzene	*90 %*	*D08*	*Surr Limits: (73-120%)*			*11/05/10 12:08*	*LH*	*10K0467*	*8260B*
Toluene-d8	*92 %*	*D08*	*Surr Limits: (71-126%)*			*11/05/10 12:08*	*LH*	*10K0467*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
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Reported: 11/10/10 07:43

Analytical Report

Sample ID: RTJ2030-02 (MW-3S - Water) — **Sampled: 10/27/10 13:55** — **Recvd: 10/27/10 15:45**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,1,2-Trichloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,1-Dichloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,1-Dichloroethene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dibromoethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dichlorobenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dichloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dichloropropane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,3-Dichlorobenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,4-Dichlorobenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
2-Butanone	ND	D08	2500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
2-Hexanone	ND	D08	2500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
4-Methyl-2-pentanone	ND	D08	2500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Acetone	ND	D08	2500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Benzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Bromodichloromethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Bromoform	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Bromomethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Carbon disulfide	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Carbon Tetrachloride	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Chlorobenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Dibromochloromethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Chloroethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Chloroform	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Chloromethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Cyclohexane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Dichlorofluoromethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Ethylbenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Isopropylbenzene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Methyl Acetate	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Methylcyclohexane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Methylene Chloride	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Styrene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Tetrachloroethene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Toluene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-02 (MW-3S - Water) - cont.					**Sampled: 10/27/10 13:55**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Trichloroethene	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Trichlorofluoromethane	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Vinyl chloride	ND	D08	500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
Xylenes, total	ND	D08	1500	ug/L	500	11/04/10 14:25	LH	10K0306	8260B
1,2-Dichloroethane-d4	*94 %*	*D08*	*Surr Limits: (66-137%)*			*11/04/10 14:25*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*88 %*	*D08*	*Surr Limits: (73-120%)*			*11/04/10 14:25*	*LH*	*10K0306*	*8260B*
Toluene-d8	*92 %*	*D08*	*Surr Limits: (71-126%)*			*11/04/10 14:25*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

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Site ID: ChemTrol Site
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-02RE1 (MW-3S - Water)					**Sampled: 10/27/10 13:55**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
o-Chlorotoluene	**85000**	D08	2000	ug/L	2000	11/05/10 12:29	LH	10K0467	8260B
1,2-Dichloroethane-d4	*92 %*	*D08*	*Surr Limits: (66-137%)*			*11/05/10 12:29*	*LH*	*10K0467*	*8260B*
4-Bromofluorobenzene	*89 %*	*D08*	*Surr Limits: (73-120%)*			*11/05/10 12:29*	*LH*	*10K0467*	*8260B*
Toluene-d8	*92 %*	*D08*	*Surr Limits: (71-126%)*			*11/05/10 12:29*	*LH*	*10K0467*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-03 (MW-9R - Water)					**Sampled: 10/27/10 13:00**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
1,1,1-Trichloroethane	**310**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1,2-Trichloroethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1-Dichloroethane	**93**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,1-Dichloroethene	**5.7**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dibromoethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dichloroethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dichloropropane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,3-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,4-Dichlorobenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
2-Butanone	ND	D08	25	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
o-Chlorotoluene	**100**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
2-Hexanone	ND	D08	25	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
4-Methyl-2-pentanone	ND	D08	25	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Acetone	ND	D08	25	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Benzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Bromodichloromethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Bromoform	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Bromomethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Carbon disulfide	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Carbon Tetrachloride	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Chlorobenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Dibromochloromethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Chloroethane	**9.5**	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Chloroform	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Chloromethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Cyclohexane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Dichlorofluoromethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Ethylbenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Isopropylbenzene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Methyl Acetate	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Methylcyclohexane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Methylene Chloride	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Styrene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Tetrachloroethene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Toluene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-03 (MW-9R - Water) - cont.					**Sampled: 10/27/10 13:00**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Trichloroethene	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Trichlorofluoromethane	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Vinyl chloride	ND	D08	5.0	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
Xylenes, total	ND	D08	15	ug/L	4.00	11/04/10 14:46	LH	10K0306	8260B
1,2-Dichloroethane-d4	*94 %*	*D08*	*Surr Limits: (66-137%)*			*11/04/10 14:46*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*89 %*	*D08*	*Surr Limits: (73-120%)*			*11/04/10 14:46*	*LH*	*10K0306*	*8260B*
Toluene-d8	*91 %*	*D08*	*Surr Limits: (71-126%)*			*11/04/10 14:46*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
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Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Sample ID: RTJ2030-04 (MW-8R - Water) — Sampled: 10/27/10 13:10 — Recvd: 10/27/10 15:45

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,1,2-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,1-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,1-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dibromoethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dichloropropane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,3-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,4-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
2-Butanone	ND		25	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
o-Chlorotoluene	35		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
2-Hexanone	ND		25	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
4-Methyl-2-pentanone	ND		25	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Acetone	ND		25	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Benzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Bromodichloromethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Bromoform	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Bromomethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Carbon disulfide	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Carbon Tetrachloride	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Chlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Dibromochloromethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Chloroethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Chloroform	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Chloromethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Cyclohexane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Dichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Ethylbenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Isopropylbenzene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Methyl Acetate	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Methylcyclohexane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Methylene Chloride	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Styrene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Tetrachloroethene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Toluene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-04 (MW-8R - Water) - cont.					**Sampled: 10/27/10 13:10**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Trichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Trichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Vinyl chloride	ND		5.0	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
Xylenes, total	ND		15	ug/L	1.00	11/04/10 15:07	LH	10K0306	8260B
1,2-Dichloroethane-d4	*92 %*		*Surr Limits: (66-137%)*			*11/04/10 15:07*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*88 %*		*Surr Limits: (73-120%)*			*11/04/10 15:07*	*LH*	*10K0306*	*8260B*
Toluene-d8	*90 %*		*Surr Limits: (71-126%)*			*11/04/10 15:07*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Sample ID: RTJ2030-05 (MW-7R - Water) — **Sampled: 10/27/10 12:50** — **Recvd: 10/27/10 15:45**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,1,2-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,1-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,1-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dibromoethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dichloropropane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,3-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,4-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
2-Butanone	ND		25	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
o-Chlorotoluene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
2-Hexanone	ND		25	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
4-Methyl-2-pentanone	ND		25	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Acetone	ND		25	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Benzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Bromodichloromethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Bromoform	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Bromomethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Carbon disulfide	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Carbon Tetrachloride	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Chlorobenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Dibromochloromethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Chloroethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Chloroform	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Chloromethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Cyclohexane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Dichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Ethylbenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Isopropylbenzene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Methyl Acetate	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Methylcyclohexane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Methylene Chloride	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Styrene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Tetrachloroethene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Toluene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
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Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-05 (MW-7R - Water) - cont.					**Sampled: 10/27/10 12:50**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Trichloroethene	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Trichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Vinyl chloride	ND		5.0	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
Xylenes, total	ND		15	ug/L	1.00	11/04/10 15:29	LH	10K0306	8260B
1,2-Dichloroethane-d4	*93 %*		*Surr Limits: (66-137%)*			*11/04/10 15:29*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*88 %*		*Surr Limits: (73-120%)*			*11/04/10 15:29*	*LH*	*10K0306*	*8260B*
Toluene-d8	*90 %*		*Surr Limits: (71-126%)*			*11/04/10 15:29*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
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Work Order: RTJ2030
Site ID: ChemTrol Site
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Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Sample ID: RTJ2030-06 (DUP - Water) — **Sampled: 10/27/10 12:50** — **Recvd: 10/27/10 15:45**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,1,2-Trichloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,1-Dichloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,1-Dichloroethene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2,4-Trichlorobenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dibromoethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dichlorobenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dichloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dichloropropane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,3-Dichlorobenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,4-Dichlorobenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
2-Butanone	ND		25	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
o-Chlorotoluene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
2-Hexanone	ND		25	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
4-Methyl-2-pentanone	ND		25	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Acetone	ND		25	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Benzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Bromodichloromethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Bromoform	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Bromomethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Carbon disulfide	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Carbon Tetrachloride	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Chlorobenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Dibromochloromethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Chloroethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Chloroform	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Chloromethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
cis-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
cis-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Cyclohexane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Dichlorofluoromethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Ethylbenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Isopropylbenzene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Methyl Acetate	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Methylcyclohexane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Methylene Chloride	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Styrene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Tetrachloroethene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Toluene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
trans-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
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Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-06 (DUP - Water) - cont.					**Sampled: 10/27/10 12:50**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Trichloroethene	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Trichlorofluoromethane	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Vinyl chloride	ND		5.0	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
Xylenes, total	ND		15	ug/L	1.00	11/05/10 12:50	LH	10K0467	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (66-137%)*			*11/05/10 12:50*	*LH*	*10K0467*	*8260B*
4-Bromofluorobenzene	*89 %*		*Surr Limits: (73-120%)*			*11/05/10 12:50*	*LH*	*10K0467*	*8260B*
Toluene-d8	*92 %*		*Surr Limits: (71-126%)*			*11/05/10 12:50*	*LH*	*10K0467*	*8260B*

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Reported: 11/10/10 07:43

Analytical Report

Sample ID: RTJ2030-07 (MW-15R - Water) — **Sampled: 10/27/10 13:35** — **Recvd: 10/27/10 15:45**

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,1,2-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,1-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,1-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dibromoethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dichloropropane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,3-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,4-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
2-Butanone	ND		25	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
o-Chlorotoluene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
2-Hexanone	ND		25	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
4-Methyl-2-pentanone	ND		25	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Acetone	ND		25	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Benzene	**13**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Bromodichloromethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Bromoform	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Bromomethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Carbon disulfide	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Carbon Tetrachloride	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Chlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Dibromochloromethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Chloroethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Chloroform	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Chloromethane	**9.3**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Dichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Ethylbenzene	**12**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Isopropylbenzene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Methyl Acetate	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Methylcyclohexane	**68**		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Methylene Chloride	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Styrene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Tetrachloroethene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Toluene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-07 (MW-15R - Water) - cont.					**Sampled: 10/27/10 13:35**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Trichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Trichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Vinyl chloride	ND		5.0	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
Xylenes, total	**76**		15	ug/L	1.00	11/04/10 16:12	LH	10K0306	8260B
1,2-Dichloroethane-d4	*95 %*		*Surr Limits: (66-137%)*			*11/04/10 16:12*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*86 %*		*Surr Limits: (73-120%)*			*11/04/10 16:12*	*LH*	*10K0306*	*8260B*
Toluene-d8	*89 %*		*Surr Limits: (71-126%)*			*11/04/10 16:12*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-07RE1 (MW-15R - Water)					**Sampled: 10/27/10 13:35**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
Cyclohexane	**130**	D08	5.0	ug/L	2.00	11/05/10 13:12	LH	10K0467	8260B
1,2-Dichloroethane-d4	*97 %*	*D08*	*Surr Limits: (66-137%)*			*11/05/10 13:12*	*LH*	*10K0467*	*8260B*
4-Bromofluorobenzene	*88 %*	*D08*	*Surr Limits: (73-120%)*			*11/05/10 13:12*	*LH*	*10K0467*	*8260B*
Toluene-d8	*90 %*	*D08*	*Surr Limits: (71-126%)*			*11/05/10 13:12*	*LH*	*10K0467*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-08 (TB - Water)					**Sampled: 10/27/10 08:00**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B									
1,1,1-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,1,2,2-Tetrachloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,1,2-Trichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,1-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,1-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2,4-Trichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dibromo-3-chloropropane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dibromoethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dichloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dichloropropane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,3-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,4-Dichlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
2-Butanone	ND		25	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
o-Chlorotoluene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
2-Hexanone	ND		25	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
4-Methyl-2-pentanone	ND		25	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Acetone	ND		25	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Benzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Bromodichloromethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Bromoform	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Bromomethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Carbon disulfide	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Carbon Tetrachloride	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Chlorobenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Dibromochloromethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Chloroethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Chloroform	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Chloromethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
cis-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
cis-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Cyclohexane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Dichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Ethylbenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Isopropylbenzene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Methyl Acetate	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Methyl-t-Butyl Ether (MTBE)	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Methylcyclohexane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Methylene Chloride	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Styrene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Tetrachloroethene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Toluene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
trans-1,2-Dichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ2030-08 (TB - Water) - cont.					**Sampled: 10/27/10 08:00**		**Recvd: 10/27/10 15:45**		
Volatile Organic Compounds by EPA 8260B - cont.									
trans-1,3-Dichloropropene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Trichloroethene	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Trichlorofluoromethane	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Vinyl chloride	ND		5.0	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
Xylenes, total	ND		15	ug/L	1.00	11/04/10 16:34	LH	10K0306	8260B
1,2-Dichloroethane-d4	*93 %*		*Surr Limits: (66-137%)*			*11/04/10 16:34*	*LH*	*10K0306*	*8260B*
4-Bromofluorobenzene	*89 %*		*Surr Limits: (73-120%)*			*11/04/10 16:34*	*LH*	*10K0306*	*8260B*
Toluene-d8	*92 %*		*Surr Limits: (71-126%)*			*11/04/10 16:34*	*LH*	*10K0306*	*8260B*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Volatile Organic Compounds by EPA 8260B									
8260B	10K0306	RTJ2030-02	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0306	RTJ2030-03	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0306	RTJ2030-04	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0306	RTJ2030-05	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0306	RTJ2030-07	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0306	RTJ2030-08	5.00	mL	5.00	mL	11/03/10 23:02	CDC	5030B MS
8260B	10K0467	RTJ2030-01	5.00	mL	5.00	mL	11/05/10 10:31	LCH	5030B MS
8260B	10K0467	RTJ2030-02RE1	5.00	mL	5.00	mL	11/05/10 10:31	LCH	5030B MS
8260B	10K0467	RTJ2030-06	5.00	mL	5.00	mL	11/05/10 10:31	LCH	5030B MS
8260B	10K0467	RTJ2030-07RE1	5.00	mL	5.00	mL	11/05/10 10:31	LCH	5030B MS

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Blank Analyzed: 11/04/10 (Lab Number:10K0306-BLK1, Batch: 10K0306)										
1,1,1-Trichloroethane			5.0	ug/L	ND					
1,1,2,2-Tetrachloroethane			5.0	ug/L	ND					
1,1,2-Trichloroethane			5.0	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	ug/L	ND					
1,1-Dichloroethane			5.0	ug/L	ND					
1,1-Dichloroethene			5.0	ug/L	ND					
1,2,4-Trichlorobenzene			5.0	ug/L	ND					
1,2-Dibromo-3-chloropropane			5.0	ug/L	ND					
1,2-Dibromoethane			5.0	ug/L	ND					
1,2-Dichlorobenzene			5.0	ug/L	ND					
1,2-Dichloroethane			5.0	ug/L	ND					
1,2-Dichloropropane			5.0	ug/L	ND					
1,3-Dichlorobenzene			5.0	ug/L	ND					
1,4-Dichlorobenzene			5.0	ug/L	ND					
2-Butanone			25	ug/L	ND					
o-Chlorotoluene			5.0	ug/L	ND					
2-Hexanone			25	ug/L	ND					
4-Methyl-2-pentanone			25	ug/L	ND					
Acetone			25	ug/L	ND					
Benzene			5.0	ug/L	ND					
Bromodichloromethane			5.0	ug/L	ND					
Bromoform			5.0	ug/L	ND					
Bromomethane			5.0	ug/L	ND					
Carbon disulfide			5.0	ug/L	ND					
Carbon Tetrachloride			5.0	ug/L	ND					
Chlorobenzene			5.0	ug/L	ND					
Dibromochloromethane			5.0	ug/L	ND					
Chloroethane			5.0	ug/L	ND					
Chloroform			5.0	ug/L	ND					
Chloromethane			5.0	ug/L	ND					
cis-1,2-Dichloroethene			5.0	ug/L	ND					
cis-1,3-Dichloropropene			5.0	ug/L	ND					
Cyclohexane			5.0	ug/L	ND					
Dichlorofluoromethane			5.0	ug/L	ND					
Ethylbenzene			5.0	ug/L	ND					
Isopropylbenzene			5.0	ug/L	ND					

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Blank Analyzed: 11/04/10 (Lab Number:10K0306-BLK1, Batch: 10K0306)										
Methyl Acetate			5.0	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	ug/L	ND					
Methylcyclohexane			5.0	ug/L	ND					
Methylene Chloride			5.0	ug/L	ND					
Styrene			5.0	ug/L	ND					
Tetrachloroethene			5.0	ug/L	ND					
Toluene			5.0	ug/L	ND					
trans-1,2-Dichloroethene			5.0	ug/L	ND					
trans-1,3-Dichloropropene			5.0	ug/L	ND					
Trichloroethene			5.0	ug/L	ND					
Trichlorofluoromethane			5.0	ug/L	ND					
Vinyl chloride			5.0	ug/L	ND					
Xylenes, total			15	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*94*	*66-137*			
Surrogate: 4-Bromofluorobenzene				*ug/L*		*90*	*73-120*			
Surrogate: Toluene-d8				*ug/L*		*93*	*71-126*			
LCS Analyzed: 11/04/10 (Lab Number:10K0306-BS1, Batch: 10K0306)										
1,1,1,2-Tetrachloroethane			1.0	ug/L	ND		76-122			
1,1,1-Trichloroethane			1.0	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	ug/L	24.8	99	71-129			
1,1-Dichloroethene		25.0	1.0	ug/L	23.0	92	65-138			
1,1-Dichloropropene			1.0	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	ug/L	ND					
1,2,3-Trichlorobenzene			1.0	ug/L	ND		64-121			
1,2,3-Trichloropropane			1.0	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			1.0	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	ug/L	24.3	97	76-121			
1,2-Dibromo-3-chloropropane			1.0	ug/L	ND		56-134			
1,2-Dibromoethane			1.0	ug/L	ND		77-120			

Waste Management - Hampton, NH
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Work Order: RTJ2030
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Project: Chem-trol Groundwater
Project Number: WMI01778

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/04/10 (Lab Number:10K0306-BS1, Batch: 10K0306)										
1,2-Dichlorobenzene		25.0	1.0	ug/L	23.9	96	77-120			
1,2-Dichloroethane		25.0	1.0	ug/L	24.5	98	75-127			
1,2-Dichloroethene, Total			2.0	ug/L	47.7		72-124			
1,2-Dichloropropane			1.0	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			1.0	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	ug/L	ND		77-120			
1,3-Dichloropropane			1.0	ug/L	ND		75-120			
1,3-Dichloropropene, Total			2.0	ug/L	ND		72-124			
1,4-Dichlorobenzene			1.0	ug/L	ND		75-120			
1,4-Dioxane			40	ug/L	ND		49-146			
2,2-Dichloropropane			1.0	ug/L	ND		63-136			
2-Butanone			5.0	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			5.0	ug/L	ND		60-140			
o-Chlorotoluene			1.0	ug/L	ND		76-121			
2-Hexanone			5.0	ug/L	ND		65-127			
2-Methylthiophene			1.0	ug/L	ND					
3-Chlorotoluene			1.0	ug/L	ND					
3-Methylthiophene			1.0	ug/L	ND					
4-Chlorotoluene			1.0	ug/L	ND		77-121			
4-Isopropyltoluene			1.0	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	ug/L	ND		71-125			
Acetone			5.0	ug/L	ND		56-142			
Acetonitrile			40	ug/L	ND		60-140			
Acrolein			20	ug/L	ND		60-140			
Acrylonitrile			5.0	ug/L	ND		63-138			
Allyl chloride			1.0	ug/L	ND		60-140			
Benzene		25.0	1.0	ug/L	24.5	98	71-124			
Bromobenzene			1.0	ug/L	ND		78-120			
Bromochloromethane			1.0	ug/L	ND		72-130			
Bromodichloromethane			1.0	ug/L	ND		80-122			
Bromoform			1.0	ug/L	ND		66-128			
Bromomethane			1.0	ug/L	ND		36-150			
Carbon disulfide			1.0	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	ug/L	23.9	96	72-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/04/10 (Lab Number:10K0306-BS1, Batch: 10K0306)										
Dibromochloromethane			1.0	ug/L	ND		75-125			
Chlorodifluoromethane			1.0	ug/L	ND					
Chloroethane			1.0	ug/L	ND		69-136			
Chloroform			1.0	ug/L	ND		73-127			
Chloromethane			1.0	ug/L	ND		49-142			
Chloroprene			1.0	ug/L	ND		60-140			
cis-1,2-Dichloroethene		25.0	1.0	ug/L	23.8	95	74-124			
cis-1,3-Dichloropropene			1.0	ug/L	ND		74-124			
Cyclohexane			1.0	ug/L	ND		70-130			
Cyclohexanone			10	ug/L	ND					
Dibromomethane			1.0	ug/L	ND		76-127			
Dichlorodifluoromethane			1.0	ug/L	ND		33-157			
Dichlorofluoromethane			1.0	ug/L	ND					
Dicyclopentadiene			1.0	ug/L	ND					
Diethyl ether			5.0	ug/L	ND		70-129			
Epichlorohydrin			20	ug/L	ND					
Ethyl Acetate			1.0	ug/L	ND					
Ethyl Methacrylate			1.0	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	ug/L	ND		75-125			
Ethylbenzene		25.0	1.0	ug/L	24.2	97	77-123			
Heptane			20	ug/L	ND					
Hexachlorobutadiene			1.0	ug/L	ND		62-124			
Hexane			10	ug/L	ND					
Iodomethane			1.0	ug/L	ND		52-151			
Isobutanol			40	ug/L	ND		60-140			
Isopropyl alcohol			20	ug/L	ND					
Isopropyl ether			1.0	ug/L	ND		75-125			
Isopropylbenzene			1.0	ug/L	ND		77-122			
Methacrylonitrile			5.0	ug/L	ND		60-140			
Methyl Acetate			1.0	ug/L	ND		60-140			
Methyl Methacrylate			1.0	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	ug/L	24.2	97	64-127			
Methylcyclohexane			1.0	ug/L	ND		60-140			
Methylene Chloride			1.0	ug/L	ND		57-132			
m-Monochlorobenzotrifluoride			1.0	ug/L	ND					
m-Xylene & p-Xylene		50.0	2.0	ug/L	48.8	98	76-122			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/04/10 (Lab Number:10K0306-BS1, Batch: 10K0306)										
Naphthalene			1.0	ug/L	ND		54-140			
n-Butanol			40	ug/L	ND					
n-Butylbenzene			1.0	ug/L	ND		71-128			
n-Propylbenzene			1.0	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			1.0	ug/L	ND					
o-Xylene		25.0	1.0	ug/L	24.2	97	76-122			
Pentachloroethane			1.0	ug/L	ND					
p-Monochlorobenzotrifluoride			1.0	ug/L	ND					
Propionitrile			10	ug/L	ND		60-140			
Propylene Oxide			5.0	ug/L	ND					
sec-Butylbenzene			1.0	ug/L	ND		74-127			
Styrene			1.0	ug/L	ND		70-130			
t-Amyl alcohol			1.0	ug/L	ND		75-125			
t-Butanol			20	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	ug/L	ND		75-125			
tert-Butylbenzene			1.0	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	ug/L	23.6	94	74-122			
Tetrahydrofuran			5.0	ug/L	ND		59.4-127			
Toluene		25.0	1.0	ug/L	24.0	96	70-122			
trans-1,2-Dichloroethene		25.0	1.0	ug/L	23.8	95	73-127			
trans-1,3-Dichloropropene			1.0	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	ug/L	ND		38-155			
Trichloroethene		25.0	1.0	ug/L	23.4	93	74-123			
Trichlorofluoromethane			1.0	ug/L	ND		62-152			
Vinyl acetate			5.0	ug/L	ND		50-144			
Vinyl chloride			1.0	ug/L	ND		65-133			
Xylenes, total		75.0	3.0	ug/L	73.1	97	76-122			
2-Nitropropane			5.0	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*93*	*66-137*			
Surrogate: 4-Bromofluorobenzene				*ug/L*		*92*	*73-120*			
Surrogate: Toluene-d8				*ug/L*		*94*	*71-126*			

Volatile Organic Compounds by EPA 8260B

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Blank Analyzed: 11/05/10 (Lab Number:10K0467-BLK1, Batch: 10K0467)										
1,1,1-Trichloroethane			5.0	ug/L	ND					
1,1,2,2-Tetrachloroethane			5.0	ug/L	ND					
1,1,2-Trichloroethane			5.0	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane			5.0	ug/L	ND					
1,1-Dichloroethane			5.0	ug/L	ND					
1,1-Dichloroethene			5.0	ug/L	ND					
1,2,4-Trichlorobenzene			5.0	ug/L	ND					
1,2-Dibromo-3-chloropropane			5.0	ug/L	ND					
1,2-Dibromoethane			5.0	ug/L	ND					
1,2-Dichlorobenzene			5.0	ug/L	ND					
1,2-Dichloroethane			5.0	ug/L	ND					
1,2-Dichloropropane			5.0	ug/L	ND					
1,3-Dichlorobenzene			5.0	ug/L	ND					
1,4-Dichlorobenzene			5.0	ug/L	ND					
2-Butanone			25	ug/L	ND					
o-Chlorotoluene			5.0	ug/L	ND					
2-Hexanone			25	ug/L	ND					
4-Methyl-2-pentanone			25	ug/L	ND					
Acetone			25	ug/L	ND					
Benzene			5.0	ug/L	ND					
Bromodichloromethane			5.0	ug/L	ND					
Bromoform			5.0	ug/L	ND					
Bromomethane			5.0	ug/L	ND					
Carbon disulfide			5.0	ug/L	ND					
Carbon Tetrachloride			5.0	ug/L	ND					
Chlorobenzene			5.0	ug/L	ND					
Dibromochloromethane			5.0	ug/L	ND					
Chloroethane			5.0	ug/L	ND					
Chloroform			5.0	ug/L	ND					
Chloromethane			5.0	ug/L	ND					
cis-1,2-Dichloroethene			5.0	ug/L	ND					
cis-1,3-Dichloropropene			5.0	ug/L	ND					
Cyclohexane			5.0	ug/L	ND					
Dichlorofluoromethane			5.0	ug/L	ND					
Ethylbenzene			5.0	ug/L	ND					
Isopropylbenzene			5.0	ug/L	ND					

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Blank Analyzed: 11/05/10 (Lab Number:10K0467-BLK1, Batch: 10K0467)										
Methyl Acetate			5.0	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)			5.0	ug/L	ND					
Methylcyclohexane			5.0	ug/L	ND					
Methylene Chloride			5.0	ug/L	ND					
Styrene			5.0	ug/L	ND					
Tetrachloroethene			5.0	ug/L	ND					
Toluene			5.0	ug/L	ND					
trans-1,2-Dichloroethene			5.0	ug/L	ND					
trans-1,3-Dichloropropene			5.0	ug/L	ND					
Trichloroethene			5.0	ug/L	ND					
Trichlorofluoromethane			5.0	ug/L	ND					
Vinyl chloride			5.0	ug/L	ND					
Xylenes, total			15	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*93*	*66-137*			
Surrogate: 4-Bromofluorobenzene				*ug/L*		*89*	*73-120*			
Surrogate: Toluene-d8				*ug/L*		*92*	*71-126*			
LCS Analyzed: 11/05/10 (Lab Number:10K0467-BS1, Batch: 10K0467)										
1,1,1,2-Tetrachloroethane			1.0	ug/L	ND		76-122			
1,1,1-Trichloroethane			1.0	ug/L	ND		73-126			
1,1,2,2-Tetrachloroethane			1.0	ug/L	ND		70-126			
1,1,2-Trichloroethane			1.0	ug/L	ND		76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane			1.0	ug/L	ND		60-140			
1,1-Dichloroethane		25.0	1.0	ug/L	25.9	104	71-129			
1,1-Dichloroethene		25.0	1.0	ug/L	24.2	97	65-138			
1,1-Dichloropropene			1.0	ug/L	ND		72-122			
1,1-Dimethoxyethane			5.0	ug/L	ND					
1,2,3-Trichlorobenzene			1.0	ug/L	ND		64-121			
1,2,3-Trichloropropane			1.0	ug/L	ND		68-131			
1,2,3-Trimethylbenzene			1.0	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	ug/L	ND		70-122			
1,2,4-Trimethylbenzene		25.0	1.0	ug/L	25.3	101	76-121			
1,2-Dibromo-3-chloropropane			1.0	ug/L	ND		56-134			
1,2-Dibromoethane			1.0	ug/L	ND		77-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/05/10 (Lab Number:10K0467-BS1, Batch: 10K0467)										
1,2-Dichlorobenzene		25.0	1.0	ug/L	25.1	100	77-120			
1,2-Dichloroethane		25.0	1.0	ug/L	25.5	102	75-127			
1,2-Dichloroethene, Total			2.0	ug/L	49.8		72-124			
1,2-Dichloropropane			1.0	ug/L	ND		76-120			
1,3,5-Trichlorobenzene			1.0	ug/L	ND					
1,3,5-Trimethylbenzene			1.0	ug/L	ND		77-121			
1,3-Dichlorobenzene			1.0	ug/L	ND		77-120			
1,3-Dichloropropane			1.0	ug/L	ND		75-120			
1,3-Dichloropropene, Total			2.0	ug/L	ND		72-124			
1,4-Dichlorobenzene			1.0	ug/L	ND		75-120			
1,4-Dioxane			40	ug/L	ND		49-146			
2,2-Dichloropropane			1.0	ug/L	ND		63-136			
2-Butanone			5.0	ug/L	ND		57-140			
2-Chloroethyl vinyl ether			5.0	ug/L	ND		60-140			
o-Chlorotoluene			1.0	ug/L	ND		76-121			
2-Hexanone			5.0	ug/L	ND		65-127			
2-Methylthiophene			1.0	ug/L	ND					
3-Chlorotoluene			1.0	ug/L	ND					
3-Methylthiophene			1.0	ug/L	ND					
4-Chlorotoluene			1.0	ug/L	ND		77-121			
4-Isopropyltoluene			1.0	ug/L	ND		73-120			
4-Methyl-2-pentanone			5.0	ug/L	ND		71-125			
Acetone			5.0	ug/L	ND		56-142			
Acetonitrile			40	ug/L	ND		60-140			
Acrolein			20	ug/L	ND		60-140			
Acrylonitrile			5.0	ug/L	ND		63-138			
Allyl chloride			1.0	ug/L	ND		60-140			
Benzene		25.0	1.0	ug/L	25.3	101	71-124			
Bromobenzene			1.0	ug/L	ND		78-120			
Bromochloromethane			1.0	ug/L	ND		72-130			
Bromodichloromethane			1.0	ug/L	ND		80-122			
Bromoform			1.0	ug/L	ND		66-128			
Bromomethane			1.0	ug/L	ND		36-150			
Carbon disulfide			1.0	ug/L	ND		59-134			
Carbon Tetrachloride			1.0	ug/L	ND		72-134			
Chlorobenzene		25.0	1.0	ug/L	25.0	100	72-120			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/05/10 (Lab Number:10K0467-BS1, Batch: 10K0467)										
Dibromochloromethane			1.0	ug/L	ND		75-125			
Chlorodifluoromethane			1.0	ug/L	ND					
Chloroethane			1.0	ug/L	ND		69-136			
Chloroform			1.0	ug/L	ND		73-127			
Chloromethane			1.0	ug/L	ND		49-142			
Chloroprene			1.0	ug/L	ND		60-140			
cis-1,2-Dichloroethene		25.0	1.0	ug/L	24.8	99	74-124			
cis-1,3-Dichloropropene			1.0	ug/L	ND		74-124			
Cyclohexane			1.0	ug/L	ND		70-130			
Cyclohexanone			10	ug/L	ND					
Dibromomethane			1.0	ug/L	ND		76-127			
Dichlorodifluoromethane			1.0	ug/L	ND		33-157			
Dichlorofluoromethane			1.0	ug/L	ND					
Dicyclopentadiene			1.0	ug/L	ND					
Diethyl ether			5.0	ug/L	ND		70-129			
Epichlorohydrin			20	ug/L	ND					
Ethyl Acetate			1.0	ug/L	ND					
Ethyl Methacrylate			1.0	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	ug/L	ND		75-125			
Ethylbenzene		25.0	1.0	ug/L	25.3	101	77-123			
Heptane			20	ug/L	ND					
Hexachlorobutadiene			1.0	ug/L	ND		62-124			
Hexane			10	ug/L	ND					
Iodomethane			1.0	ug/L	ND		52-151			
Isobutanol			40	ug/L	ND		60-140			
Isopropyl alcohol			20	ug/L	ND					
Isopropyl ether			1.0	ug/L	ND		75-125			
Isopropylbenzene			1.0	ug/L	ND		77-122			
Methacrylonitrile			5.0	ug/L	ND		60-140			
Methyl Acetate			1.0	ug/L	ND		60-140			
Methyl Methacrylate			1.0	ug/L	ND		60-140			
Methyl-t-Butyl Ether (MTBE)		25.0	1.0	ug/L	24.9	99	64-127			
Methylcyclohexane			1.0	ug/L	ND		60-140			
Methylene Chloride			1.0	ug/L	ND		57-132			
m-Monochlorobenzotrifluoride			1.0	ug/L	ND					
m-Xylene & p-Xylene		50.0	2.0	ug/L	50.2	100	76-122			

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Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
LCS Analyzed: 11/05/10 (Lab Number:10K0467-BS1, Batch: 10K0467)										
Naphthalene			1.0	ug/L	ND		54-140			
n-Butanol			40	ug/L	ND					
n-Butylbenzene			1.0	ug/L	ND		71-128			
n-Propylbenzene			1.0	ug/L	ND		77-120			
o-Monochlorobenzotrifluoride			1.0	ug/L	ND					
o-Xylene		25.0	1.0	ug/L	25.0	100	76-122			
Pentachloroethane			1.0	ug/L	ND					
p-Monochlorobenzotrifluoride			1.0	ug/L	ND					
Propionitrile			10	ug/L	ND		60-140			
Propylene Oxide			5.0	ug/L	ND					
sec-Butylbenzene			1.0	ug/L	ND		74-127			
Styrene			1.0	ug/L	ND		70-130			
t-Amyl alcohol			1.0	ug/L	ND		75-125			
t-Butanol			20	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	ug/L	ND		75-125			
tert-Butylbenzene			1.0	ug/L	ND		75-123			
Tetrachloroethene		25.0	1.0	ug/L	24.4	98	74-122			
Tetrahydrofuran			5.0	ug/L	ND		59.4-127			
Toluene		25.0	1.0	ug/L	24.6	99	70-122			
trans-1,2-Dichloroethene		25.0	1.0	ug/L	25.0	100	73-127			
trans-1,3-Dichloropropene			1.0	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	ug/L	ND		38-155			
Trichloroethene		25.0	1.0	ug/L	24.8	99	74-123			
Trichlorofluoromethane			1.0	ug/L	ND		62-152			
Vinyl acetate			5.0	ug/L	ND		50-144			
Vinyl chloride			1.0	ug/L	ND		65-133			
Xylenes, total		75.0	3.0	ug/L	75.2	100	76-122			
2-Nitropropane			5.0	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*93*	*66-137*			
Surrogate: 4-Bromofluorobenzene				*ug/L*		*92*	*73-120*			
Surrogate: Toluene-d8				*ug/L*		*93*	*71-126*			

Matrix Spike Analyzed: 11/05/10 (Lab Number:10K0467-MS1, Batch: 10K0467)

QC Source Sample: RTJ2030-02RE1

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Work Order: RTJ2030
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Project: Chem-trol Groundwater
Project Number: WMI01778

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Analyzed: 11/05/10 (Lab Number:10K0467-MS1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
1,1,1,2-Tetrachloroethane	ND		2000	ug/L	ND		76-122			D08
1,1,1-Trichloroethane	ND		2000	ug/L	ND		73-126			D08
1,1,2,2-Tetrachloroethane	ND		2000	ug/L	ND		70-126			D08
1,1,2-Trichloroethane	ND		2000	ug/L	ND		76-122			D08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	ug/L	ND		60-140			D08
1,1-Dichloroethane	ND	50000	2000	ug/L	53400	107	71-129			D08
1,1-Dichloroethene	ND	50000	2000	ug/L	49400	99	65-138			D08
1,1-Dichloropropene	ND		2000	ug/L	ND		72-122			D08
1,1-Dimethoxyethane	ND		10000	ug/L	ND					D08
1,2,3-Trichlorobenzene	ND		2000	ug/L	ND		64-121			D08
1,2,3-Trichloropropane	ND		2000	ug/L	ND		68-131			D08
1,2,3-Trimethylbenzene	ND		2000	ug/L	ND					D08
1,2,4-Trichlorobenzene	ND		2000	ug/L	ND		70-122			D08
1,2,4-Trimethylbenzene	ND	50000	2000	ug/L	50300	101	76-121			D08
1,2-Dibromo-3-chloropropane	ND		2000	ug/L	ND		56-134			D08
1,2-Dibromoethane	ND		2000	ug/L	ND		77-120			D08
1,2-Dichlorobenzene	ND	50000	2000	ug/L	49800	100	77-120			D08
1,2-Dichloroethane	ND	50000	2000	ug/L	52000	104	75-127			D08
1,2-Dichloroethene, Total	ND		4000	ug/L	102000		72-124			D08
1,2-Dichloropropane	ND		2000	ug/L	ND		76-120			D08
1,3,5-Trichlorobenzene	ND		2000	ug/L	ND					D08
1,3,5-Trimethylbenzene	ND		2000	ug/L	ND		77-121			D08
1,3-Dichlorobenzene	ND		2000	ug/L	ND		77-120			D08
1,3-Dichloropropane	ND		2000	ug/L	ND		75-120			D08
1,3-Dichloropropene, Total	ND		4000	ug/L	ND		72-124			D08
1,4-Dichlorobenzene	ND		2000	ug/L	ND		75-120			D08
1,4-Dioxane	ND		80000	ug/L	ND		49-146			D08
2,2-Dichloropropane	ND		2000	ug/L	ND		63-136			D08
2-Butanone	ND		10000	ug/L	ND		57-140			D08
2-Chloroethyl vinyl ether	ND		10000	ug/L	ND		60-140			D08
o-Chlorotoluene	85100		2000	ug/L	76600		76-121			D08
2-Hexanone	ND		10000	ug/L	ND		65-127			D08
2-Methylthiophene	ND		2000	ug/L	ND					D08
3-Chlorotoluene	ND		2000	ug/L	ND					D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Analyzed: 11/05/10 (Lab Number:10K0467-MS1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
3-Methylthiophene	ND		2000	ug/L	ND					D08
4-Chlorotoluene	ND		2000	ug/L	ND		77-121			D08
4-Isopropyltoluene	ND		2000	ug/L	ND		73-120			D08
4-Methyl-2-pentanone	ND		10000	ug/L	ND		71-125			D08
Acetone	ND		10000	ug/L	ND		56-142			D08
Acetonitrile	ND		80000	ug/L	ND		60-140			D08
Acrolein	ND		40000	ug/L	ND		60-140			D08
Acrylonitrile	ND		10000	ug/L	ND		63-138			D08
Allyl chloride	ND		2000	ug/L	ND		60-140			D08
Benzene	ND	50000	2000	ug/L	51700	103	71-124			D08
Bromobenzene	ND		2000	ug/L	ND		78-120			D08
Bromochloromethane	ND		2000	ug/L	ND		72-130			D08
Bromodichloromethane	ND		2000	ug/L	ND		80-122			D08
Bromoform	ND		2000	ug/L	ND		66-128			D08
Bromomethane	ND		2000	ug/L	ND		36-150			D08
Carbon disulfide	ND		2000	ug/L	ND		59-134			D08
Carbon Tetrachloride	ND		2000	ug/L	ND		72-134			D08
Chlorobenzene	ND	50000	2000	ug/L	50500	101	72-120			D08
Dibromochloromethane	ND		2000	ug/L	ND		75-125			D08
Chlorodifluoromethane	ND		2000	ug/L	ND					D08
Chloroethane	ND		2000	ug/L	ND		69-136			D08
Chloroform	ND		2000	ug/L	ND		73-127			D08
Chloromethane	ND		2000	ug/L	ND		49-142			D08
Chloroprene	ND		2000	ug/L	ND		60-140			D08
cis-1,2-Dichloroethene	ND	50000	2000	ug/L	50700	101	74-124			D08
cis-1,3-Dichloropropene	ND		2000	ug/L	ND		74-124			D08
Cyclohexane	ND		2000	ug/L	ND		70-130			D08
Cyclohexanone	ND		20000	ug/L	ND					D08
Dibromomethane	ND		2000	ug/L	ND		76-127			D08
Dichlorodifluoromethane	ND		2000	ug/L	ND		33-157			D08
Dichlorofluoromethane	ND		2000	ug/L	ND					D08
Dicyclopentadiene	ND		2000	ug/L	ND					D08
Diethyl ether	ND		10000	ug/L	ND		70-129			D08
Epichlorohydrin	ND		40000	ug/L	ND					D08
Ethyl Acetate	ND		2000	ug/L	ND					D08
Ethyl Methacrylate	ND		2000	ug/L	ND		60-140			D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Analyzed: 11/05/10 (Lab Number:10K0467-MS1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
Ethyl tert-Butyl Ether	ND		2000	ug/L	ND		75-125			D08
Ethylbenzene	ND	50000	2000	ug/L	50800	102	77-123			D08
Heptane	ND		40000	ug/L	ND					D08
Hexachlorobutadiene	ND		2000	ug/L	ND		62-124			D08
Hexane	ND		20000	ug/L	ND					D08
Iodomethane	ND		2000	ug/L	ND		52-151			D08
Isobutanol	ND		80000	ug/L	ND		60-140			D08
Isopropyl alcohol	ND		40000	ug/L	ND					D08
Isopropyl ether	ND		2000	ug/L	ND		75-125			D08
Isopropylbenzene	ND		2000	ug/L	ND		77-122			D08
Methacrylonitrile	ND		10000	ug/L	ND		60-140			D08
Methyl Acetate	ND		2000	ug/L	ND		60-140			D08
Methyl Methacrylate	ND		2000	ug/L	ND		60-140			D08
Methyl-t-Butyl Ether (MTBE)	ND	50000	2000	ug/L	49600	99	64-127			D08
Methylcyclohexane	ND		2000	ug/L	ND		60-140			D08
Methylene Chloride	ND		2000	ug/L	ND		57-132			D08
m-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
m-Xylene & p-Xylene	ND	100000	4000	ug/L	101000	101	76-122			D08
Naphthalene	ND		2000	ug/L	ND		54-140			D08
n-Butanol	ND		80000	ug/L	ND					D08
n-Butylbenzene	ND		2000	ug/L	ND		71-128			D08
n-Propylbenzene	ND		2000	ug/L	ND		77-120			D08
o-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
o-Xylene	ND	50000	2000	ug/L	50100	100	76-122			D08
Pentachloroethane	ND		2000	ug/L	ND					D08
p-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
Propionitrile	ND		20000	ug/L	ND		60-140			D08
Propylene Oxide	ND		10000	ug/L	ND					D08
sec-Butylbenzene	ND		2000	ug/L	ND		74-127			D08
Styrene	ND		2000	ug/L	ND		70-130			D08
t-Amyl alcohol	ND		2000	ug/L	ND		75-125			D08
t-Butanol	ND		40000	ug/L	ND		75-125			D08
Tert-Amyl Methyl Ether	ND		2000	ug/L	ND		75-125			D08
tert-Butylbenzene	ND		2000	ug/L	ND		75-123			D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Analyzed: 11/05/10 (Lab Number:10K0467-MS1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
Tetrachloroethene	ND	50000	2000	ug/L	48900	98	74-122			D08
Tetrahydrofuran	ND		10000	ug/L	ND		44.9-144			D08
Toluene	ND	50000	2000	ug/L	50100	100	70-122			D08
trans-1,2-Dichloroethene	ND	50000	2000	ug/L	51200	102	73-127			D08
trans-1,3-Dichloropropene	ND		2000	ug/L	ND		72-123			D08
trans-1,4-Dichloro-2-butene	ND		10000	ug/L	ND		38-155			D08
Trichloroethene	ND	50000	2000	ug/L	50800	102	74-123			D08
Trichlorofluoromethane	ND		2000	ug/L	ND		62-152			D08
Vinyl acetate	ND		10000	ug/L	ND		50-144			D08
Vinyl chloride	ND		2000	ug/L	ND		65-133			D08
Xylenes, total	ND	150000	6000	ug/L	151000	101	76-122			D08
2-Nitropropane	ND		10000	ug/L	ND					D08
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*95*	*66-137*			*D08*
Surrogate: 4-Bromofluorobenzene				*ug/L*		*92*	*73-120*			*D08*
Surrogate: Toluene-d8				*ug/L*		*94*	*71-126*			*D08*
Matrix Spike Dup Analyzed: 11/05/10 (Lab Number:10K0467-MSD1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
1,1,1,2-Tetrachloroethane	ND		2000	ug/L	ND		76-122		20	D08
1,1,1-Trichloroethane	ND		2000	ug/L	ND		73-126		15	D08
1,1,2,2-Tetrachloroethane	ND		2000	ug/L	ND		70-126		15	D08
1,1,2-Trichloroethane	ND		2000	ug/L	ND		76-122		15	D08
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	ug/L	ND		60-140		20	D08
1,1-Dichloroethane	ND	50000	2000	ug/L	51200	102	71-129	4	20	D08
1,1-Dichloroethene	ND	50000	2000	ug/L	46700	93	65-138	5	16	D08
1,1-Dichloropropene	ND		2000	ug/L	ND		72-122		20	D08
1,1-Dimethoxyethane	ND		10000	ug/L	ND					D08
1,2,3-Trichlorobenzene	ND		2000	ug/L	ND		64-121		20	D08
1,2,3-Trichloropropane	ND		2000	ug/L	ND		68-131		14	D08
1,2,3-Trimethylbenzene	ND		2000	ug/L	ND					D08
1,2,4-Trichlorobenzene	ND		2000	ug/L	ND		70-122		20	D08
1,2,4-Trimethylbenzene	ND	50000	2000	ug/L	48900	98	76-121	3	20	D08
1,2-Dibromo-3-chloropropane	ND		2000	ug/L	ND		56-134		15	D08

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Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Dup Analyzed: 11/05/10 (Lab Number:10K0467-MSD1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
1,2-Dibromoethane	ND		2000	ug/L	ND		77-120		15	D08
1,2-Dichlorobenzene	ND	50000	2000	ug/L	49300	99	77-120	1	20	D08
1,2-Dichloroethane	ND	50000	2000	ug/L	50900	102	75-127	2	20	D08
1,2-Dichloroethene, Total	ND		4000	ug/L	98000		72-124	4	20	D08
1,2-Dichloropropane	ND		2000	ug/L	ND		76-120		20	D08
1,3,5-Trichlorobenzene	ND		2000	ug/L	ND					D08
1,3,5-Trimethylbenzene	ND		2000	ug/L	ND		77-121		20	D08
1,3-Dichlorobenzene	ND		2000	ug/L	ND		77-120		20	D08
1,3-Dichloropropane	ND		2000	ug/L	ND		75-120		20	D08
1,3-Dichloropropene, Total	ND		4000	ug/L	ND		72-124		15	D08
1,4-Dichlorobenzene	ND		2000	ug/L	ND		75-120		20	D08
1,4-Dioxane	ND		80000	ug/L	ND		49-146		30	D08
2,2-Dichloropropane	ND		2000	ug/L	ND		63-136		20	D08
2-Butanone	ND		10000	ug/L	ND		57-140		20	D08
2-Chloroethyl vinyl ether	ND		10000	ug/L	ND		60-140		20	D08
o-Chlorotoluene	85100		2000	ug/L	74200		76-121	3	20	D08
2-Hexanone	ND		10000	ug/L	ND		65-127		15	D08
2-Methylthiophene	ND		2000	ug/L	ND					D08
3-Chlorotoluene	ND		2000	ug/L	ND					D08
3-Methylthiophene	ND		2000	ug/L	ND					D08
4-Chlorotoluene	ND		2000	ug/L	ND		77-121		15	D08
4-Isopropyltoluene	ND		2000	ug/L	ND		73-120		20	D08
4-Methyl-2-pentanone	ND		10000	ug/L	ND		71-125		35	D08
Acetone	ND		10000	ug/L	ND		56-142		15	D08
Acetonitrile	ND		80000	ug/L	ND		60-140		20	D08
Acrolein	ND		40000	ug/L	ND		60-140		20	D08
Acrylonitrile	ND		10000	ug/L	ND		63-138		20	D08
Allyl chloride	ND		2000	ug/L	ND		60-140		20	D08
Benzene	ND	50000	2000	ug/L	49400	99	71-124	5	13	D08
Bromobenzene	ND		2000	ug/L	ND		78-120		15	D08
Bromochloromethane	ND		2000	ug/L	ND		72-130		15	D08
Bromodichloromethane	ND		2000	ug/L	ND		80-122		15	D08
Bromoform	ND		2000	ug/L	ND		66-128		15	D08
Bromomethane	ND		2000	ug/L	ND		36-150		15	D08
Carbon disulfide	ND		2000	ug/L	ND		59-134		15	D08
Carbon Tetrachloride	ND		2000	ug/L	ND		72-134		15	D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Dup Analyzed: 11/05/10 (Lab Number:10K0467-MSD1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
Chlorobenzene	ND	50000	2000	ug/L	49200	98	72-120	3	25	D08
Dibromochloromethane	ND		2000	ug/L	ND		75-125		15	D08
Chlorodifluoromethane	ND		2000	ug/L	ND					D08
Chloroethane	ND		2000	ug/L	ND		69-136		15	D08
Chloroform	ND		2000	ug/L	ND		73-127		20	D08
Chloromethane	ND		2000	ug/L	ND		49-142		15	D08
Chloroprene	ND		2000	ug/L	ND		60-140		20	D08
cis-1,2-Dichloroethene	ND	50000	2000	ug/L	49000	98	74-124	3	15	D08
cis-1,3-Dichloropropene	ND		2000	ug/L	ND		74-124		15	D08
Cyclohexane	ND		2000	ug/L	ND		70-130		20	D08
Cyclohexanone	ND		20000	ug/L	ND					D08
Dibromomethane	ND		2000	ug/L	ND		76-127		15	D08
Dichlorodifluoromethane	ND		2000	ug/L	ND		33-157		20	D08
Dichlorofluoromethane	ND		2000	ug/L	ND					D08
Dicyclopentadiene	ND		2000	ug/L	ND					D08
Diethyl ether	ND		10000	ug/L	ND		70-129		30	D08
Epichlorohydrin	ND		40000	ug/L	ND					D08
Ethyl Acetate	ND		2000	ug/L	ND					D08
Ethyl Methacrylate	ND		2000	ug/L	ND		60-140		20	D08
Ethyl tert-Butyl Ether	ND		2000	ug/L	ND		75-125		15	D08
Ethylbenzene	ND	50000	2000	ug/L	49200	98	77-123	3	15	D08
Heptane	ND		40000	ug/L	ND					D08
Hexachlorobutadiene	ND		2000	ug/L	ND		62-124		20	D08
Hexane	ND		20000	ug/L	ND					D08
Iodomethane	ND		2000	ug/L	ND		52-151		20	D08
Isobutanol	ND		80000	ug/L	ND		60-140		20	D08
Isopropyl alcohol	ND		40000	ug/L	ND					D08
Isopropyl ether	ND		2000	ug/L	ND		75-125		15	D08
Isopropylbenzene	ND		2000	ug/L	ND		77-122		20	D08
Methacrylonitrile	ND		10000	ug/L	ND		60-140		20	D08
Methyl Acetate	ND		2000	ug/L	ND		60-140		20	D08
Methyl Methacrylate	ND		2000	ug/L	ND		60-140		20	D08
Methyl-t-Butyl Ether (MTBE)	ND	50000	2000	ug/L	49000	98	64-127	1	37	D08
Methylcyclohexane	ND		2000	ug/L	ND		60-140		20	D08
Methylene Chloride	ND		2000	ug/L	ND		57-132		15	D08

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Dup Analyzed: 11/05/10 (Lab Number:10K0467-MSD1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
m-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
m-Xylene & p-Xylene	ND	100000	4000	ug/L	98700	99	76-122	2	16	D08
Naphthalene	ND		2000	ug/L	ND		54-140		20	D08
n-Butanol	ND		80000	ug/L	ND					D08
n-Butylbenzene	ND		2000	ug/L	ND		71-128		15	D08
n-Propylbenzene	ND		2000	ug/L	ND		77-120		15	D08
o-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
o-Xylene	ND	50000	2000	ug/L	49100	98	76-122	2	16	D08
Pentachloroethane	ND		2000	ug/L	ND					D08
p-Monochlorobenzotrifluoride	ND		2000	ug/L	ND					D08
Propionitrile	ND		20000	ug/L	ND		60-140		20	D08
Propylene Oxide	ND		10000	ug/L	ND					D08
sec-Butylbenzene	ND		2000	ug/L	ND		74-127		15	D08
Styrene	ND		2000	ug/L	ND		70-130		20	D08
t-Amyl alcohol	ND		2000	ug/L	ND		75-125		15	D08
t-Butanol	ND		40000	ug/L	ND		75-125		15	D08
Tert-Amyl Methyl Ether	ND		2000	ug/L	ND		75-125		15	D08
tert-Butylbenzene	ND		2000	ug/L	ND		75-123		15	D08
Tetrachloroethene	ND	50000	2000	ug/L	46900	94	74-122	4	20	D08
Tetrahydrofuran	ND		10000	ug/L	ND		44.9-144		25	D08
Toluene	ND	50000	2000	ug/L	48800	98	70-122	3	15	D08
trans-1,2-Dichloroethene	ND	50000	2000	ug/L	49000	98	73-127	5	20	D08
trans-1,3-Dichloropropene	ND		2000	ug/L	ND		72-123		15	D08
trans-1,4-Dichloro-2-butene	ND		10000	ug/L	ND		38-155		20	D08
Trichloroethene	ND	50000	2000	ug/L	49000	98	74-123	4	16	D08
Trichlorofluoromethane	ND		2000	ug/L	ND		62-152		20	D08
Vinyl acetate	ND		10000	ug/L	ND		50-144		23	D08
Vinyl chloride	ND		2000	ug/L	ND		65-133		15	D08
Xylenes, total	ND	150000	6000	ug/L	148000	99	76-122	2	16	D08
2-Nitropropane	ND		10000	ug/L	ND					D08
Surrogate: 1,2-Dichloroethane-d4				*ug/L*		*93*	*66-137*			*D08*
Surrogate: 4-Bromofluorobenzene				*ug/L*		*91*	*73-120*			*D08*

Waste Management - Hampton, NH
425 Perinton Pkwy
Fairport, NY 14450

Work Order: RTJ2030
Site ID: ChemTrol Site
Project: Chem-trol Groundwater
Project Number: WMI01778

Received: 10/27/10
Reported: 11/10/10 07:43

LABORATORY QC DATA

Analyte	Source Result	Spike Level	MRL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B										
Matrix Spike Dup Analyzed: 11/05/10 (Lab Number:10K0467-MSD1, Batch: 10K0467)										
QC Source Sample: RTJ2030-02RE1										
Surrogate: Toluene-d8				*ug/L*		*93*	*71-126*			*D08*

Chain of Custody Record

TestAmerica

Client Information	Sampler: P. Little	Lab PM: Ryan VanDette	Carrier Tracking No(s):	COC No.: 08022010 14 17 1
Client Contact: Mark Snyder	Phone:	E-Mail: ryan.vandette@testamericainc.com		Page: 1
Company: Waste Management - Hampton, NH				Job #:
Address: 425 Pennton Pkwy	Due Date Requested:			
City: Fairport	TAT Requested (Business Days): 15			
State, Zip: NY, 14450				
Phone: (585) 223-6132	PO #:			
Email: msnyder@wm.com	WO #: RTI0069			
Project Name: Chem-trol Groundwater NY5A584515AE03950	Project #: Chem-trol Groundwater			
Site: ChemTrol Site - NY5A584515	SSOW#:			

Parameter(s) Requested

Preservation Codes: A=HCl, B=NaOH, C=Zn Acetate, D=Nitric Acid, I=Ice, N=None, S=H2SO4, V=MCAA, Z=r

Container Codes: A=Amber, G=Glass, P: Poly/Plastic, S=Summa, T=Tedlar, V=Vial

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Voas	Total Number of containers	Special Instructions/Note:
			Preserv-Cont Code:		X	X	A-V	X	
MW-13R	10-27-10	1320	G	W			3	3	
MW-3S	↓	1355	G	W			3	3	
TB	↓	0800	G	W			3	3	
MW-9R	↓	1300	G	W			3	3	
MW-8R	↓	1310	G	W			3	3	
MW-7R	↓	1350	G	W			3	3	
DUP	↓	1250	G	W			3	3	
MW-15R	↓	1335	G	W			3	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: [signature]	Date/Time: 10-27-10 1545	Company:	Received by: [signature]	Date/Time: 10-27-10 1545	Company:
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:		