

March 17, 2026

Mr. Bradley Demo
New York State Department of Environmental Conservation, Region 9
Division of Environmental Remediation
700 Delaware Avenue
Buffalo, New York 14209

Subject: 02/15/25 – 02/15/26 PERIODIC REVIEW REPORT
Chem-Trol Site, Registry No. 9-15-015,
Blasdell, Erie County

Dear Mr. Demo:

AECOM USA, Inc. (AECOM), on behalf of SC Holdings, Inc. (SC Holdings), is submitting this Periodic Review Report (PRR) along with a completed Institutional Controls and Engineering Controls (IC/EC) Certification Form (Attachment A) for the Chem-Trol site for the reporting period of February 15, 2025, to February 15, 2026. This report is being submitted as requested by the New York State Department of Environmental Conservation (NYSDEC) in its letter dated January 6, 2026, to Mr. Ryan Donovan. The letter directs the next PRR and IC/EC form be submitted to NYSDEC no later than March 17, 2026.

I. INTRODUCTION

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

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

Investigative studies led to a Record of Decision (ROD) in 1996 that specified additional remedial activities. These included removal of additional soils, and construction of a soil vapor extraction (SVE) system and groundwater collection and treatment system. The SVE system, originally operated as an active system, includes a header pipe and eight subsurface laterals installed in a linear array within the area of remediated soils. The groundwater collection and treatment system includes a blast-fractured bedrock trench in which three groundwater collection wells (EW-1, EW-2 and EW-3)

are installed, conveyance piping, and a shallow tray air stripper that removes VOCs from the collected groundwater. The treated groundwater is discharged through a pipe to the South Branch of Smokes Creek.

The now passive SVE system and the groundwater collection and treatment system continue to operate. During 2010, McMahon & Mann Consulting Engineers, PC (MMCE) evaluated the effectiveness of passive operation of the SVE system in removing soil vapors. Subsequently, the SVE system was converted from active to passive operation in 2010. A copy of the SVE system evaluation letter report was included as Attachment B in the 2010 PRR (see 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. Figure 1 shows the Site Location and Figure 2 shows the Chem-Trol site plan and features.

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

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

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

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

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

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

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

In the 2022 PRR approval letter from the NYSDEC to Mr. Ryan Donovan (SC Holdings, Inc.) dated May 4, 2023, NYSDEC approved a reduction in periodic monitoring requirements that were requested in the Conclusions and Recommendations section of the 2022 PRR. Beginning as of the date of that letter, groundwater treatment system sampling migrated from a monthly schedule to an every-other-month schedule (odd-numbered months), and system cleanings were maintained on an every-other-month schedule being performed on non-sample months (i.e., even-numbered months). Additionally, it was approved that water level gauging events would be reduced from quarterly to semi-annual, and annual groundwater monitoring would be reduced from annual to biennial on an even-numbered year schedule.

III. REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

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

SVE System

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

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

It was recommended that active operation of the SVE system permanently cease and that passive operation of the SVE system laterals continue. In addition, it was recommended that continued

monitoring of the SVE system laterals be eliminated. NYSDEC agreed with these recommendations in a letter to Mr. Mark Snyder dated March 29, 2011 (see Attachment B).

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

Groundwater Collection and Treatment System

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

1. Perform monthly operation and maintenance tasks on the groundwater collection and treatment system;
2. Perform periodic cleaning of the air stripper on an every-other-month schedule, including visual check of seals and removal of mineral accumulation in air stripper trays using mechanical means (scrubbing, re-drilling holes to full diameter, etc.);
3. Sample and analyze the groundwater collection and treatment system influent and effluent on an every-other-month basis for a site-specific list of 10 VOCs, Total Iron, Total Suspended Solids (TSS), and pH;
4. Measure and record water levels in groundwater extraction wells and groundwater monitoring wells on a semi-annual basis;
5. Prepare bedrock groundwater contours based on water level measurements collected during the year; and,
6. Obtain groundwater samples on a biennial even-numbered year schedule for VOCs from six groundwater monitoring wells (MW-3S, MW-7R, MW-8R, MW-9R, MW-13R, and MW-15R).

Effluent from the groundwater collection and treatment system (air stripper) discharges into the South Branch of Smokes Creek. Aqueous effluent samples taken from the air stripper surface water discharge pipe are analyzed at Pace Analytical Services of Westborough, MA (a New York State Department of Health [NYSDOH] Environmental Laboratory Approval Program-approved laboratory) for surface water discharge parameter limit concentrations including VOCs by EPA Method 624.1, Total Iron by EPA Method 200.7, and TSS by Standard Method (SM) 2540D. Aliquots of the influent and effluent samples are field tested for pH using a hand-held pH meter .

Analytical test results show that discharge parameter concentrations in the air stripper effluent for samples collected from March 2025 through February 2026 were below the concentration and mass loading discharge limits for each parameter established by NYSDEC for March, May, July, and September 2025. Discharge parameter concentrations in the air stripper effluent for samples collected from November 2025 were below the concentration and mass loading discharge limits for all parameters except total iron and TSS, which were above the concentration criteria but below the mass loading criteria; based on a review of historical data trends where effluent concentrations are typically less than influent concentrations, it is suspected that the influent and effluent sample containers for total iron and TSS may have been cross-labeled when collected (i.e., effluent concentrations were significantly higher than influent concentrations), however, the results are

reported here as submitted and received. Following internal review of the available information, AECOM senior staff reviewed proper sample collection and handling procedures with field staff to address potential occurrence of sample mislabeling and a follow-up total iron sample was collected in December 2025; influent concentration was greater than effluent concentration as normally expected, and the effluent concentration was below the discharge criterion. Discharge parameter concentrations in the air stripper effluent for samples collected from January 2026 were below the concentration and mass loading discharge limits for all parameters except total iron and TSS, which were above the concentration criteria but below the mass loading criteria; See Attachment C for Operation and Maintenance (O&M) field logs, Attachment D for Influent/Effluent Data Summary Tables, and Attachment E for laboratory reports.

Treated water discharge effluent criteria for flow volume, pH, Total Dissolved Solids (TDS), TSS, ten VOCs (chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,1,1,1-tetrachloroethane, trichloroethane, benzene, toluene, o-chlorotoluene, chlorobenzene, and cis-1,2-dichloroethene), and six total metals (aluminum, boron, iron, lead, manganese, and zinc) were established in March 2001 (see Attachment B). A request to modify effluent criteria based on initial operating data was submitted to NYSDEC by MMCE (consultant to SC Holdings at the time) in December 2004. NYSDEC responded to the request in July 2007 approving a modification of effluent criteria for iron (increased from 700 micrograms per liter to 3 milligrams per liter [mg/L]), and discontinuation of monitoring for TDS, aluminum, boron, lead, manganese, and zinc (see Attachment B).

In a letter dated June 20, 2025, NYSDEC provided acceptance of the 02/15/24-02/15/25 PRR and associated IC/EC Certification and provided an additional comment regarding evaluation of total iron concentration to be addressed in the next PRR. To address this comment, an influent and treated effluent discharge sample were collected on July 14, 2025. The samples were analyzed for ferrous and ferric iron. Results are presented in the following table:

Sample ID	Total Iron (mg/L)	Ferric Iron (mg/L)	Discharge Criterion (mg/L)
Influent	4.97	4.4	Not applicable
Effluent	0.618	0.62	3.0

The results are consistent with the assessment provided by MMCE and accepted by NYSDEC in the 2007 request to modify total iron effluent criteria (see Attachment B). The evaluation concluded that the groundwater monitoring well data provided in the 2005 Discharge Evaluation Report indicated that the concentration of iron in ambient groundwater ranges from 1.73 to 11.7 mg/L. Ambient surface water samples collected from an on-site tributary to the South Branch of Smokes Creek also contained iron at concentrations (3.13 to 4.48 mg/L) that exceeded the then-current discharge limit. Further, as the form of iron in the discharge water (ferric) is already oxidized, there would be limited reduction in oxygen levels in the creek. As a result, the Department agreed with the request to increase the iron discharge limit to 3.0 mg/L, recognizing that the need to treat groundwater captured by the site's extraction system to less than ambient conditions is not necessary. The letter also stated that if iron staining at the discharge point is observed in the future, the modification would need to be reviewed. It is important to note that at the time of the letter, the treatment system had been operating for less than five years. The treatment system has now been operating for 25 years, and it is

acknowledged that iron staining is visible at the discharge point. The iron concentration in the effluent has been consistent over the treatment period; that is, it is reflective of ambient groundwater concentration. The staining at the discharge point is not reflective of a changed condition but rather represents gradual accumulation over the 25-year operating period of the treatment system. Based on this assessment, no change to the operating system or discharge limits is recommended.

Pursuant to the May 2023 NYSDEC-approved revisions to sampling and reporting requirements, analytical test results for the aqueous effluent samples are to be submitted semi-annually, with the first 6 months of the PRR reporting period being submitted to NYSDEC in a dedicated semi-annual O&M Report and the second six-months of the PRR reporting period to be submitted to NYSDEC with the annual PRR. Results for the March, May, and July 2025 sampling events were submitted to NYSDEC in a semi-annual report dated August 1, 2025. The results for September and November 2025 and January 2026 are included with this report (see Attachment C). Photographs have been collected per the NYSDEC February 11, 2025, letter as of March 2025. Photograph logs for March 2025 through July 2025 were included with the 2025 Semi-Annual O&M Report. Photograph logs for the period August 2025 through February 15, 2026, are included with the O&M field reports in Attachment C.

Total system flow is monitored via a total influent system flow meter located within the groundwater treatment building. Total system flow is recorded during each sampling or service visit. Total system flow is presented on the site visit summary sheets contained in Attachment C. Individual extraction well flow meters are also installed. However, the low flow rates from the individual wells does not produce reliable data for the individual wells on a consistent basis. Individual flow meters are periodically dismantled and cleaned to optimize performance; however, at the low flow rates, the flow meters are often unable to transmit a flow rate to the master control panel. To verify individual wells are pumping, the service team isolates individual wells and monitors the total flow meter to estimate each individual well flow.

As noted above, the air stripper is serviced on a periodic schedule (even-numbered months) to remove mineral accumulation (iron fouling) from the air stripper trays. The trays are removed from the system and the mineral deposits are removed using mechanical means (scrubbing, re-drilling holes to full diameter, etc.). The naturally occurring mineral deposits are dispersed to the ground surface within the secure limits of site within the fence line in areas. The trays are returned to the air stripper unit, and the system is restarted and checked for proper operation prior to service crew leaving site.

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

In October 2020, a Sensaphone remote monitoring system was installed for the groundwater treatment system. The Sensaphone system automatically sends the AECOM Project Manager and SC Holdings Project Manager electronic mail notification when power to the site is lost, or when pumps or the blower become non-operational. The AECOM Project Manager confirms receipt of the

notification with the SC Holdings Project Manager and a service visit is scheduled to address the notification and minimize downtime of the system.

A summary of semi-annual groundwater elevations measured in the groundwater monitoring wells and piezometers during 2025 is included in Table 1 - Summary of Groundwater Elevation Measurements. Semi-annual groundwater elevation contours for 2025 are plotted on Figures 3 and 4. Groundwater elevation data are next scheduled to be collected in April 2026 and will be included in the February 2026 – February 2027 PRR.

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

VOC analytical test results of groundwater treatment system influent samples have historically shown o-chlorotoluene levels in higher concentrations than other organic compounds. Therefore, concentrations of o-chlorotoluene detected in groundwater treatment influent samples have been used to assess the performance of the treatment system in reducing organic compound concentrations in the groundwater. The o-chlorotoluene concentration data for influent groundwater samples was plotted versus time for the January 2003 through January 2026 sampling events (see Figure 4). The plot shows that the concentration of o-chlorotoluene in the influent groundwater samples has been reduced since initiation of treatment system operation. This indicates that the treatment system is meeting the remedial goal of reducing organic compound concentrations in the groundwater.

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

Annual Groundwater Monitoring

Pursuant to the May 2023 NYSDEC-approved revisions to sampling and reporting requirements, annual groundwater monitoring was not required in 2025. Groundwater samples were collected on an annual basis through 2022 and then again most recently on September 25, 2024 (these data were reported in the February 2024 – February 2025 PRR, submitted to NYSDEC on March 15, 2025). Groundwater samples are collected from monitoring wells MW-3S, MW-7R, MW-8R, MW-9R, MW-13R, and MW-15R in the fall of even-numbered years and analyzed for the standard list of VOCs by EPA Method SW846 8260C. Historical concentration versus time trend plots for onsite monitoring wells MW-3S, MW-8R, MW-9R, and MW-13R through September 25, 2024, are included as Attachment F.

IV. O&M PLAN COMPLIANCE

The following activities were performed as part of the O&M Plan requirements:

Cover System

Exposure to remaining contamination at the Site is prevented by a cover system placed over a portion of the Site. This cover system is comprised of a minimum of 1.5 feet of soil and 0.5 feet of topsoil, upon which a grass cover is maintained. Figure 2 presents the location of the cover system. The cover system is visually inspected during monthly monitoring visits for signs of damage or erosion. The vegetated cover is mowed once per year. The vegetated cover was mowed August 13, 2025. No indications of damage affecting the continuity of the cover system were noted during this reporting period.

Fencing/Access Control

A six-foot high chain link fence is present on a portion of the western, the full southern, and a portion of the eastern aspects of the Site. A vehicle access gate is located along the southern portion of the fence. The gate is locked when not in use. Figure 2 presents the location of the fencing system. The fence system is visually inspected during monthly site visits. No damage affecting the integrity of the fence was noted this reporting period.

Soil Vapor Extraction System

AECOM performed the following activity from February 16, 2025, through February 15, 2026, as part of monthly visits to the site:

- Visually observed each SVE passive vent riser for damage.

Leachate Collection

The term “leachate” is used in the Responsiveness Summary of the 1996 ROD to refer to impacted onsite groundwater. “Leachate Collection” is listed as an EC in the IC/EC Form (Attachment A). Impacted onsite groundwater is collected in the blast-fractured bedrock trench and is pumped to the Groundwater Collection and Treatment System for treatment. The following heading provides additional detail on the operation and maintenance of this system.

Groundwater Collection and Treatment System

AECOM performed the following activities from February 16, 2025, through February 15, 2026, 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 confirmed that high and low water controls are functioning as designed;
- As required by the sampling schedule, performed influent and effluent sample analytical testing;
- Observed that the air stripper was performing as designed;
- Performed monthly inspections of air stripper trays;

- Performed cleaning of air stripper trays on an every-other-month schedule to remove accumulated iron precipitate to promote optimum removal of VOCs; and,
- Prepared and submitted to NYSDEC on August 1, 2025, the 2025 semi-annual O&M report for the period March 2025 through July 2025 as required by the 2023 updated reporting schedule to NYSDEC.

The semi-annual O&M report submitted to NYSDEC provided further details on specific activities performed, analytical testing results, and observations made during the routine monthly O&M visits. Routine activities included general inspection and maintenance work performed on pumps, equipment, and sensors, as described in the monthly O&M inspection reports, during that period.

In addition, the following non-routine maintenance activities were also performed during this PRR reporting period:

- As noted in the *February 2024 – February 2025 Periodic Review Report* (dated March 14, 2025) for the site, extraction well EW-2 had been turned off as of February 12, 2025, pending procurement and replacement of the transducer in the well. AECOM and AECOM subcontractor Matrix Environmental Technologies (Matrix) of Orchard Park, NY visited the site on April 30, 2025, to replace the transducer. At the time of replacement, it was discovered that a faulty wiring harness had created the communication error with EW-2. The harness was replaced and EW-2 was turned back on.
- AECOM and Matrix visited the site on May 30, 2025, to address a maintenance item in the manhole vault between the extraction wells and the groundwater treatment shed. A leak in the conveyance line for EW-3 within the vault was observed and addressed. All water from the leaking line was contained in the vault. Water pumped from the vault was run through the groundwater treatment system. EW-3 was turned off pending procurement of new parts to repair the leaking connection.
- AECOM and Matrix visited the site on July 2, 2025, to complete the repair of the EW-3 conveyance line in the manhole vault between the extraction wells and the groundwater treatment shed. EW-3 was turned back on following the repair.
- Matrix performed routine periodic line jetting cleaning of the treated groundwater effluent discharge line from the treatment building to Smokes Creek outlet on February 5, 2026. This cleaning is conducted on an every-other-year schedule to remove iron fouling in the discharge line. Sediment generated during the line cleaning process was collected and placed on the onsite soil cap.

In a letter dated June 20, 2025, NYSDEC provided acceptance of the 02/15/24-02/15/25 PRR and associated IC/EC Certification and provided an additional comment regarding evaluation of total iron concentration to be addressed in the next PRR. The additional comment has been addressed in this PRR.

V. CONCLUSIONS AND RECOMMENDATIONS

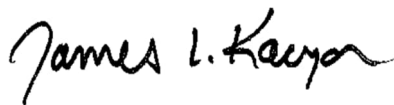
Groundwater Collection and Treatment

A comparison of the monthly influent versus effluent analytical test results indicates that the groundwater collection and treatment system continues to remove VOC contaminants from the groundwater at the Chem-Trol site. A plot of the influent o-chlorotoluene concentration versus time (see Figure 5) indicates that the source contributing to groundwater VOC concentrations has been reduced to where the source influence on groundwater has decreased over time. A steady decrease in concentration was observed from system startup in 2003 through 2009. Concentrations then remained within a narrow range into mid-2016 when a notable decrease in concentration occurred, followed by a relatively gradual increase through mid- 2022. Since that time, concentrations have been steadily decreasing, returning to lows observed in 2016 and 2017. This trend will continue to be monitored.

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

Please call the undersigned at AECOM (716-856-5636) or Mr. Ryan Donovan (413-275-1522) if you have any questions or require any additional information after reviewing this report.

Sincerely yours,



James L. Kaczor, P.G. (NY, IN)
Project Manager
james.kaczor@aecom.com

Enclosures (Table 1, Figures 1 through 5)

Attachment A – 2025/2026 IC/EC Form

Attachment B – NYSDEC Approval Correspondence

Attachment C – August 2025 through February 2026 Monthly Inspection Logs

Attachment D – August 2025 through February 2026 Influent/Effluent Data Summary Tables

Attachment E – August 2025 through February 2026 Influent/Effluent Laboratory Reports

Attachment F – Historical Groundwater Monitoring Data Trend Plots (through October 2024)

cc: Ryan Donovan (SC Holdings, Inc.), electronic copy w/attachments
Megan Rivera (NYSDOH), electronic copy w/attachments
Rosaura Andújar-McNeil, P.E. (AECOM), electronic copy w/attachments
60779298 Project File

TABLES

Table 1: Summary of Groundwater Elevations – 2025

Table 1
Chem-Trol 2025 Semi-Annual Water Levels

Pumping Wells		2Q Date		4Q Date	
		5/6/2025		10/29/2025	
Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
EW-1	624.07	16.15	607.92	16.82	607.25
EW-2	622.16	10.82	611.34	12.82	609.34
EW-3	621.10	15.40	605.70	11.76	609.34

East of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
MW-6S	638.54	6.48	632.06	13.98	624.56
MW-6R	638.64	16.56	622.08	17.87	620.77
P-1S	642.80	4.38	638.42	7.70	635.10
MW-1R	645.36	6.34	639.02	9.49	635.87
MW-1S	645.40	4.36	641.04	9.48	635.92
MW-7S	642.85	3.39	639.46	>11.39	<631.46
MW-7R	642.28	4.62	637.66	7.60	634.68

Center of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
P-5S	637.54	7.30	630.24	13.72	623.82
P-5R	637.88	18.65	619.23	19.32	618.56
MW-5S	636.28	10.15	626.13	14.05	622.23
P-2R	646.96	7.47	639.49	15.02	631.94
P-2S	646.44	7.68	638.76	10.96	635.48
MW-2S	644.85	5.18	639.67	8.91	635.94

West of Cap (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
MW-4S	637.18	12.23	624.95	>15.64	<621.54
MW-4R	637.02	24.72	612.30	27.01	610.01
P-4S	636.54	13.94	622.60	15.88	620.66
MW-3S	637.64	16.05	621.59	18.06	619.58
P-3R	639.92	19.70	620.22	19.63	620.29
P-3S	639.46	18.20	621.26	19.91	619.55
OW-3R	638.78	22.44	616.34	23.78	615.00

West of Trench (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
OW-1FR	620.42	7.95	612.47	10.20	610.22
P97-5	613.65	1.85	611.80	3.99	609.66
MW-10S	615.15	2.31	612.84	4.22	610.93
MW-10R	615.47	3.30	612.17	4.91	610.56
P97-4	614.8	2.56	612.24	4.90	609.90
MW-8S	617.28	5.20	612.08	>7.25	<610.03
MW-8R	617.38	5.19	612.19	7.60	609.78
P97-3	617.66	5.01	612.65	7.52	610.14
MW-9RD	619.13	5.70	613.43	6.32	612.81
MW-9R	619.17	6.05	613.12	8.97	610.20
MW-9S	619.91	6.40	613.51	9.75	610.16
OW-2FR	624.14	10.66	613.48	13.88	610.26
P97-2	619.07	5.76	613.31	8.18	610.89
P97-1	619.97	6.18	613.79	8.21	611.76
MW-12R	621.59	7.52	614.07	10.18	611.41
MW-12S	621.17	3.43	617.74	5.92	615.25

West of Smokes Creek (North to South)

Well ID	Monitoring Point (TIC)	Depth To Water (ft)	1st Quarter Elevation (ft)	Depth To Water (ft)	3rd Quarter Elevation (ft)
MW-13R	615.14	3.90	611.24	6.21	608.93
MW-14R	618.55	4.93	613.62	6.03	612.52

> [value] = groundwater not present at max measured depth

FIGURES

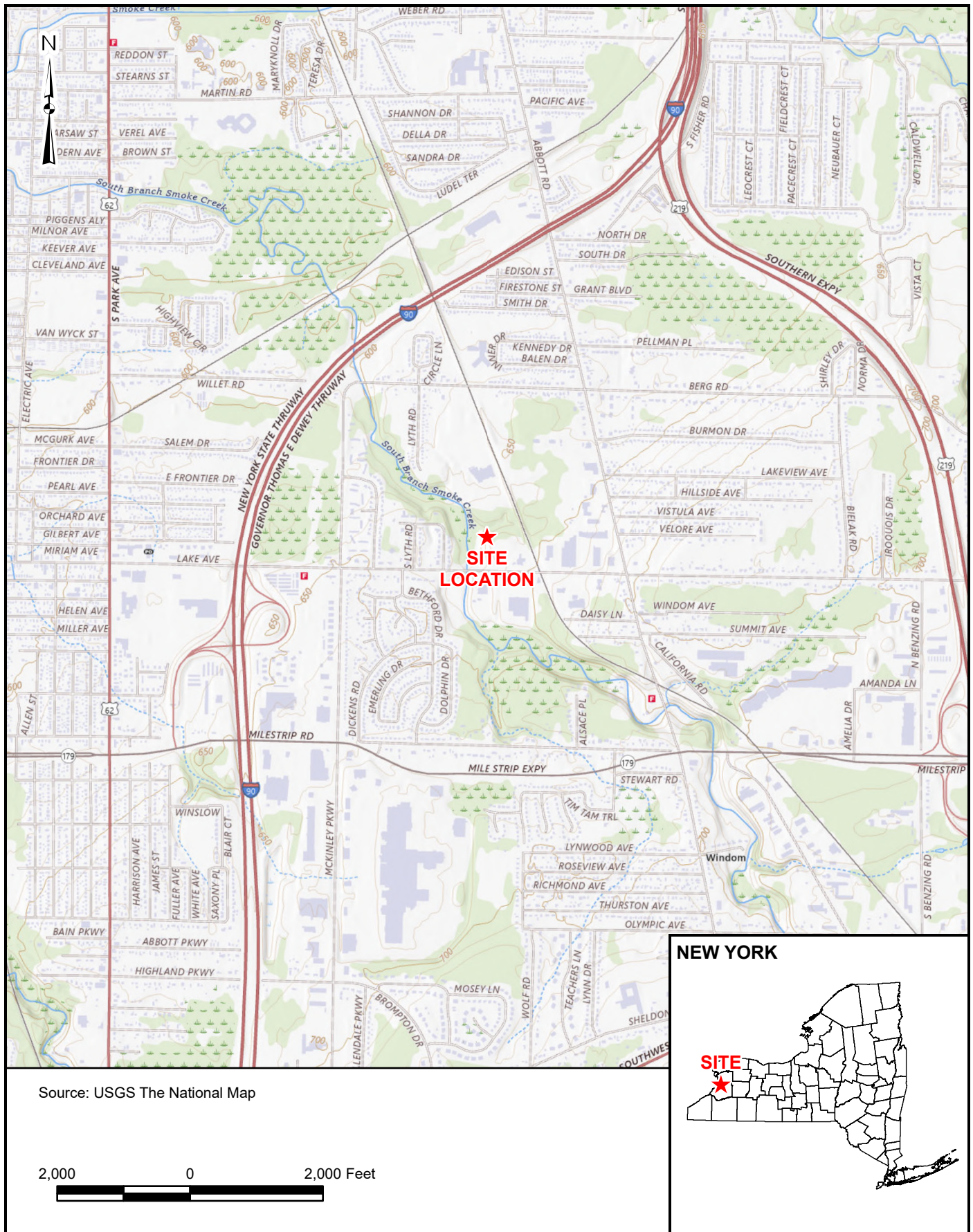
Figure 1: Location Plan

Figure 2: Site Plan

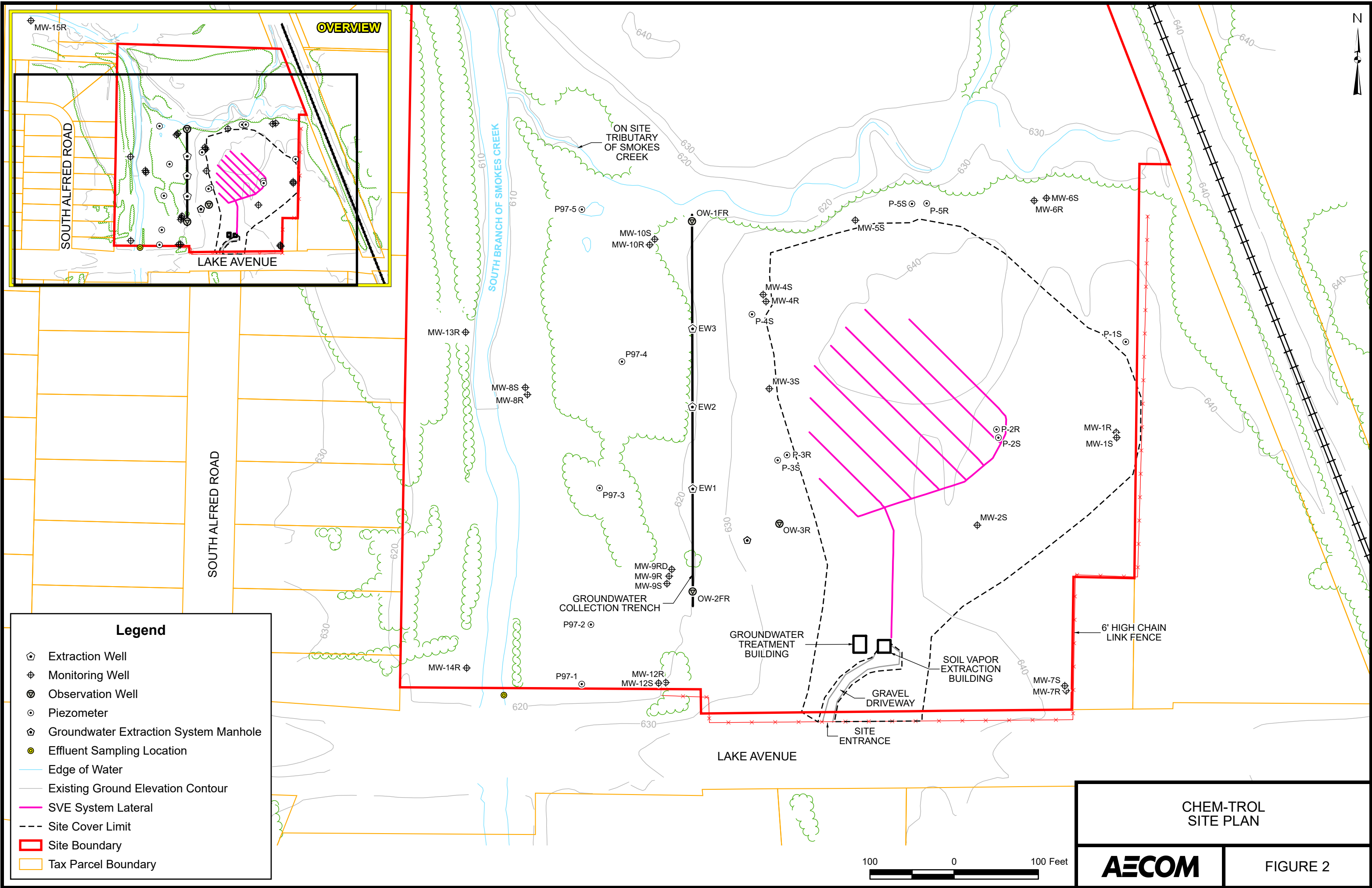
Figure 3: Bedrock Groundwater Contours – May 6, 2025

Figure 4: Bedrock Groundwater Contours – October 29, 2025

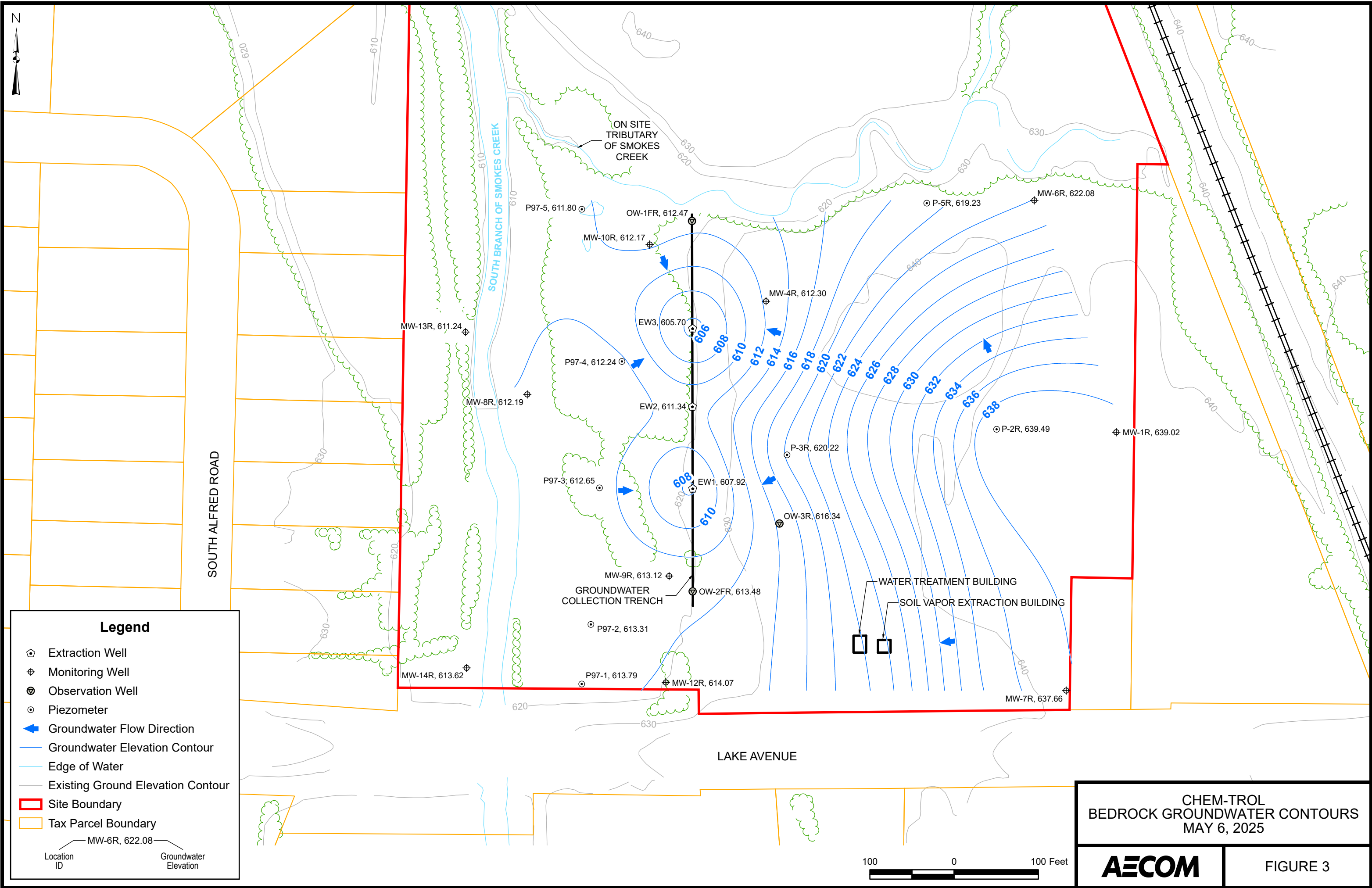
Figure 5: Influent o-Chlorotoluene Concentration 01/2003 – 01/2026



File Path: L:\DCS\Projects\60526520_ChmTr2\17900-CAD-GIS\920-GIS or Graphics\APRX\ChemTrol\ChemTrol_SMP.aprx Date: 03/17/26 Layout: 02 SITE PLAN (2026)



File Path: L:\DCS\Projects\60526520_ChmTr\2017\900-CAD-GIS\920-GIS or Graphics\APRX\ChemTol\ChemTol_PRR.aprx Date: 03/05/26 Layout: BEDROCK GW CONTOURS (20250506)



File Path: L:\DCS\Projects\60526520_ChmTr2\17900-CAD-GIS\920-GIS or Graphics\APRX\ChemTol\ChemTol_PRR.aprx Date: 03/05/26 Layout: BEDROCK GW CONTOURS (20251029)

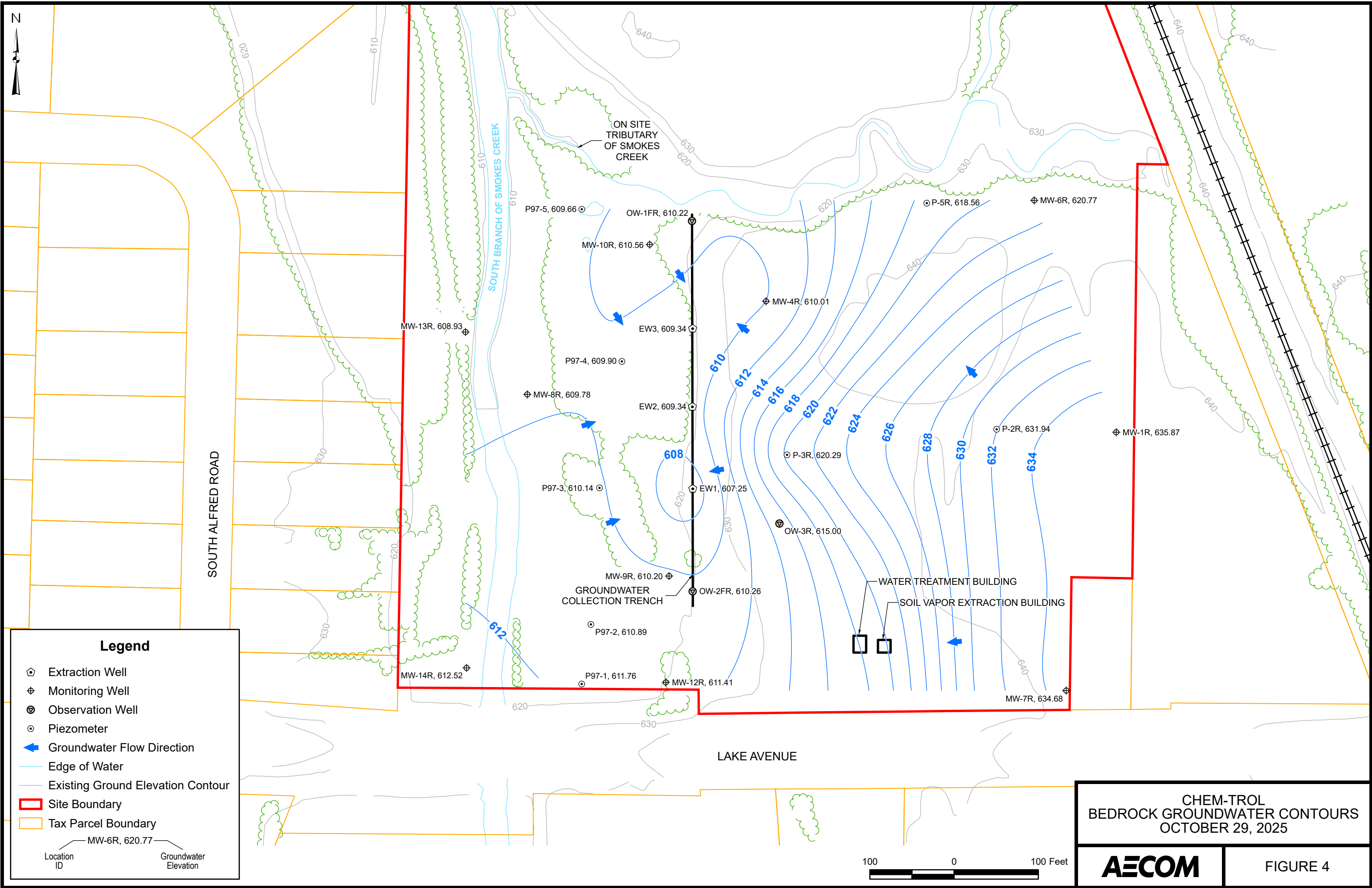
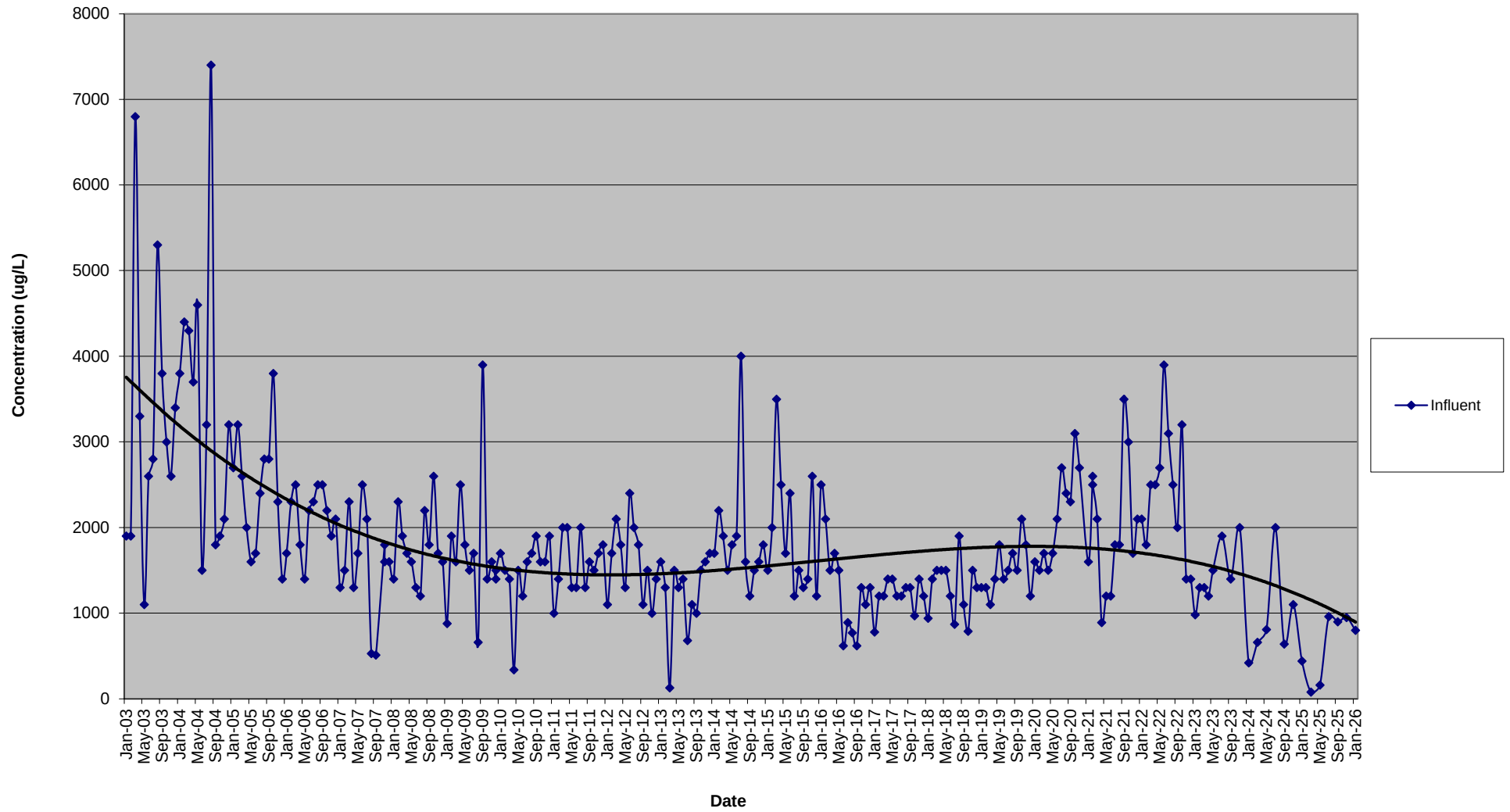


FIGURE 5

Chem-Trol Groundwater Treatment System
Influent o-Chlorotoluene Concentration
January 2003 - January 2026



ATTACHMENT A

Completed IC/EC Form



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



Site Details

Box 1

Site No. **915015**

Site Name Chem-Trol

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

Reporting Period: February 15, 2025 to February 15, 2026

YES NO

1. Is the information above correct? ☒ ☐

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

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

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

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

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

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

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

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
151.02-1-14.1	SC Holdings Inc./Waste Management	Ground Water Use Restriction
		Monitoring Plan O&M Plan Landuse Restriction
		Building Use Restriction

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

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
151.02-1-14.1	Groundwater Treatment System Cover System Groundwater Containment Monitoring Wells Fencing/Access Control Leachate Collection

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

Source Control Elements:

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

Groundwater Control Elements:

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

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

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

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

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

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

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

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

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

YES NO

☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

**IC CERTIFICATIONS
SITE NO. 915015**

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Ryan Donovan at 600 New Ludlow Road, South Hadley, MA, 01175
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

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

03/11/2026
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I, Rosaura Andújar-McNeil, PE at AECOM, at 605 Third Avenue, New York, NY 10158,
print name print business address

am certifying as a Professional Engineer for the Remedial Party.

(Owner or Remedial Party)



3/16/2026

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

Stamp
(Required for PE)

Date

ATTACHMENT B

NYSDEC Approval Correspondence

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York, 12233-3505

8285/Tech 4.2



John P. Cahill
Commissioner

JWN

MEMORANDUM

TO: John Hyden, NYSDEC Region 9, DER
FROM: Sudhir Mahatma, CSS, BWP, DOW SM
SUBJECT: Chem-Trol Site # 9-15-015
DRAINAGE BASIN: 01-04
DATE: March 2, 2001

RECEIVED

MAR 06 2001

NYSDEC - REG. 9
FOIL
X REL UNREL

In response to your request received on May 26, 1999 by Angus Eaton and a letter of Jan. 29, 2001 from Thomas R. Heins of McMahon & Mann to John W. Hyden of NYSDEC, Buffalo, attached please find revised effluent criteria for the above noted groundwater remediation discharge.

The DOW does not have any regulatory authority over a discharge from a State, PRP, or Federal Superfund Site. DER will be responsible for ensuring compliance with the attached effluent criteria and approval of all engineering submissions. Footnote 1 identifies the Bureau of Site Control as the place to send all effluent results, engineering submissions and modification requests. The Regional Water Engineer should be kept apprised of the status of this discharge and, in accordance with the attached criteria, receive a copy of the effluent results for informational purposes.

If you have any questions, please call me at 518-457-9602.

Attachments (Effluent Criteria, General Conditions)

cc: John McMahon, Regional Water Engineer, R-9(w/Effluent Criteria)
A. Eaton, DOW (w/Effluent Criteria)
Terry Olmsted, DOW (w/Effluent Criteria)
Craig Jackson, DER, Rm: 348

Post-It® Fax Note	7671	Date	3/23/01	# of pages	3
To	Tom Heins	From	John Hyden		
Co./Dept.		Co.			
Phone #		Phone #	716/851-7220		
Fax #	834-8934	Fax #	851-7226		

91-20-2a (1/89)

Site No.: 9-15-015
Part 1, Page 1 of 2**EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning August 1999

and lasting until August 2004

the discharges from the treatment facility to Smokes Creek, water index number E-2-1, Class C, RECEIVING WATER shall be limited and monitored by the operator as specified below:

Outfall Number and Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max		Measurement Frequency	Sample Type
Outfall 001 - Treated Groundwater Remediation Discharge:					
Flow	72000	144000	GPD	Continuous	Meter
pH (range)	6.5 to 8.5		SU	Weekly	Grab
Total Dissolved Solids	Monitor	2500	mg/l	Weekly (7)	Grab
Total Suspended Solids	Monitor	20	mg/l	Weekly (7)	Grab
Chloroethane	Monitor	10	µg/l	Weekly (7)	Grab
1,1 Dichloroethane	Monitor	10	µg/l	Weekly (7)	Grab
1,1 Dichloroethene	Monitor	10	µg/l	Weekly (7)	Grab
1,1,1 Trichloroethane	Monitor	10	µg/l	Weekly (7)	Grab
Trichloroethene	Monitor	10	µg/l	Weekly (7)	Grab
Benzene	Monitor	5	µg/l	Weekly (7)	Grab
Toluene	Monitor	5	µg/l	Weekly (7)	Grab
o-Chlorotoluene	Monitor	10	µg/l	Weekly (7)	Grab
Chlorobenzene	Monitor	10	µg/l	Weekly (7)	Grab
cis- 1,2 Dichloroethene	Monitor	10	µg/l	Weekly (7)	Grab
Aluminum	Monitor	4000	µg/l	Weekly (7)	Grab
Boron	Monitor	1800	µg/l	Weekly (7)	Grab
Iron	Monitor	700	µg/l	Weekly (7)	Grab
Lead	Monitor	5.6	µg/l	Weekly (7)	Grab
Manganese	Monitor	2000	µg/l	Weekly (7)	Grab
Zinc	Monitor	110	µg/l	Weekly (7)	Grab

91-29-2a (1/89)

Site No.: 9-15-015
Part 1, Page 2 of 2Additional Conditions:

(1) Discharge is not authorized until such time as an engineering submission showing the method of treatment is approved by the Department. The discharge rate may not exceed the effective or design treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to:

Chief - Operation Maintenance and Support Section
Bureau of Hazardous Site Control
Division of Environmental Remediation
NYSDEC
50 Wolf Road
Albany, N.Y. 12233-7010

With a copy sent to:

John McMahon, RWE, R-9
NYS Dept. of Env. Conservation
270 Michigan Avenue
Buffalo, NY 14203-2999

- (2) Only site generated wastewater is authorized for treatment and discharge.
- (3) Authorization to discharge is valid only for the period noted above but may be renewed if appropriate. A request for renewal must be received 6 months prior to the expiration date to allow for a review of monitoring data and reassessment of monitoring requirements.
- (4) Both concentration (mg/l or µg/l) and mass loadings (lbs/day) must be reported to the Department for all parameters except flow and pH.
- (5) Any use of corrosion/scale inhibitors or biocidal-type compounds used in the treatment process must be approved by the department prior to use.
- (6) This discharge and administration of this discharge must comply with the attached General Conditions.
- (7) The minimum measurement frequency for all parameters except flow and pH shall be MONTHLY following a period of 24 consecutive weekly sampling events showing no exceedances of stated discharge limitations. If discharge limitation of any parameter is exceeded, the measurement frequency for all parameters shall again be WEEKLY, until a period of 8 (eight) consecutive sampling events showing no exceedances at which point MONTHLY monitoring may resume.

**New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9**

270 Michigan Avenue, Buffalo, New York, 14203-2999

Phone: (716) 851-7220 • FAX: (716) 851-7226

Website: www.dec.ny.gov



Alexander B. Grannis
Commissioner

July 27, 2007

Mr. David M. Moreira
Project Manager, Northeast Group
S.C. Holdings, Inc.
4 Liberty Lane West
Hampton, New Hampshire 03842

Dear Mr. Moreira:

December 2005 Discharge Evaluation Report
Chem-Trol Site, Registry No. 915015
Hamburg, Erie County

The Department has completed a detailed review of the December 2005 Discharge Evaluation Report submitted by McMahon & Mann Consulting Engineers, P.C. (MMCE) on behalf of S.C. Holdings, Inc. This report was submitted at the request of the Department (letter dated February 27, 2004, from Glenn M. May to David M. Moreira) to present the results of MMCE's evaluation of the Chem-Trol wastewater treatment system's ability to remove orthochlorotoluene (OCT) and iron to acceptable discharge levels. Based upon this evaluation, MMCE requested modification to the discharge limits for OCT, iron, aluminum, boron, lead, manganese, zinc, and total dissolved solids. The rationale for these requests, along with the Department's responses, are summarized as follows:

OCT: The treatment system effectively reduces OCT to levels consistent with the discharge limits when the air stripper is cleaned with HCl every three to four months, although OCT effluent concentrations occasionally exceed the 10 µg/l discharge limit. MMCE requests a modification of the discharge limit for OCT to 25 µg/l.

The air stripper, when periodically cleaned with HCl, is capable of consistently achieving the current discharge limit. As a result, the Department denies MMCE's request to modify the discharge limit for OCT to 25 µg/l.

Iron: The iron removal filter is not capable of treating wastewater to the discharge limit of 0.7 mg/l. MMCE requests a modification of the discharge limit for iron to 3.0 mg/l based upon iron concentrations in ambient groundwater and surface water samples, and the presence of ferric iron in the discharged water.

Mr. David M. Moreira
July 27, 2007
Page 2

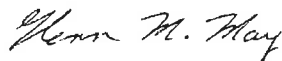
The groundwater monitoring well data provided in the Discharge Evaluation Report indicates that the concentration of iron in ambient groundwater ranges from 1.73 to 11.7 mg/l. Ambient surface water samples collected from an on-site tributary to the South Branch of Smokes Creek also contain iron at concentrations (3.13 to 4.48 mg/l) that exceed the current discharge limit. Further, as the form of iron in the discharge water (ferric) is already oxidized, there would be limited reduction in oxygen levels in the creek. In addition, iron staining at the discharge pipe has not been observed since the discharge water was diverted to the South Branch of Smokes Creek in February 2004. As a result, the Department agrees with the request to increase the iron discharge limit to 3.0 mg/l, recognizing that the need to treat groundwater captured by the site's extraction system to less than ambient conditions is not necessary. This modification will need to be reviewed, however, if iron staining is observed in the future.

Aluminum, Boron, Lead, Manganese, Zinc and Total Dissolved Solids: These parameters were generally not detected, or were detected at concentrations below the discharge limits. MMCE requests that these compounds be removed from the list of parameters analyzed in the influent and effluent samples.

Aluminum, boron, lead, manganese, zinc, and total dissolved solids are not indicators of treatment system performance. As a result, the Department agrees with the request to eliminate these compounds from the compliance monitoring program.

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

Sincerely yours,



Glenn M. May, CPG
Environmental Geologist II

GMM:lg

cc: Mr. Gregory Sutton, NYSDEC, Region 9
Mr. Brian Sadowski, NYSDEC, Region 9
Mr. James Bojarski, McMahon & Mann Consulting Engineers, P.C.

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

RECEIVED

MAR 31 2011



Joe Martens
Commissioner

March 29, 2011

Mark Snyder, P.E.
Waste Management
425 Perinton Parkway
Fairport, New York 14450-9104

Dear Mr. Snyder:

2010 Periodic Review Report
Chem-Trol Site, Registry No. 915015
Blasdell, Erie County

The New York State Department of Environmental Conservation (NYSDEC) is in receipt of the 2010 Periodic Review Report (PRR) submitted on February 10, 2011 by McMahon & Mann Consulting Engineers, P.C. (McMahon & Mann), on behalf of SC Holdings, Inc. This report: (1) describes the operation and maintenance activities completed during 2010 on the groundwater collection and treatment system; (2) describes the activities completed during 2010 to evaluate the passive operation of the SVE system; (3) presents the analytical results of groundwater samples collected in October 2010; (4) evaluates the SVE and groundwater collection and treatment systems for compliance with the 1996 ROD; (5) contains a signed Institutional and Engineering Controls (IC/EC) Certification Form; and (6) makes recommendations regarding the future operation of the SVE and groundwater collection and treatment systems. Specifically, McMahon & Mann recommends that: (1) monthly sampling of the groundwater treatment air stripper exhaust be eliminated; and (2) that active operation of the SVE system permanently cease.

Information contained in the 2010 PRR indicates that the SVE and groundwater collection and treatment systems are operating effectively and remain protective of public health and the environment. This letter, therefore, transmits formal NYSDEC approval of the 2010 PRR for the Chem-Trol Site. With this approval, please send us an electronic copy of the 2010 PRR.

Regarding McMahon & Mann's recommendations, I understand that McMahon & Mann has contacted the NYSDEC's Division of Air in Region 9 concerning the elimination of the monthly air stripper sampling. Please copy me on all correspondence to the Division of Air regarding this issue and the outcome of said correspondence.

Mark Snyder, P.E.

March 29, 2011

Page 2

The NYSDEC concurs with McMahon & Mann's recommendations to permanently cease the active operation of the SVE system. It is our understanding that passive venting of the SVE system laterals will continue in the future.

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

Sincerely yours,

A handwritten signature in black ink, appearing to read "Glenn M. May".

Glenn M. May, CPG
Environmental Geologist II

GMM:sz

ecc: Mr. Gregory Sutton, NYSDEC, Region 9
Mr. Alfred Carlacci, NYSDEC, Region 9
Mr. Brian Sadowski, NYSDEC, Region 9
Mr. Alan Zylinski, NYSDEC, Region 9
Mr. James Bojarski, McMahon & Mann

New York State Department of Environmental Conservation

Division of Air Resources, Region 9

270 Michigan Avenue, Buffalo, New York 14203-2915

Phone: (716) 851-7130 • Fax: (716) 851-7009

Website: www.dec.ny.gov



Joe Martens
Commissioner

April 26, 2011

Mr. John A. Minichiello, CPESC, CPSWQ
McMahon & Mann Consulting Engineers, P.C.
2495 Main Street, Suite 432
Buffalo, New York 14214

Dear Mr. Minichiello:

**Chem-Trol Site, Registry No. 9-15-015
Blasdell, Erie County
Request to Eliminate Air Stripper
Emissions Testing**

The New York State Department of Environmental Conservation (Department) received a report requesting the elimination of the sampling and analytical testing of the air stripper exhaust associated with the groundwater collection and treatment system at the Chem-Trol Site. This report was submitted on April 6, 2011 by McMahon & Mann Consulting Engineers, P.C. (MMCE), on behalf of SC Holdings, Inc. After review of the report, the Department approves the request because the analytical data indicates that concentrations of o-chlorotoluene in the influent to the groundwater treatment system have stabilized.

Should you have any questions, please feel free to contact me at (716) 851-7130.

Sincerely yours,

Alan J. Zylinski, P.E.
Environmental Engineer II

AJZ:ed

ecc: Mr. Gregory Sutton, NYSDEC, Region 9
Mr. Alfred Carlacci, NYSDEC, Region 9
Mr. Brian Sadowski, NYSDEC, Region 9
Mr. Glenn May, NYSDEC, Region 9

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7275
www.dec.ny.gov

May 4, 2023

Mr. Ryan Donovan, District Manager
SC Holdings, Inc.
600 New Ludlow Road
South Hadley, MA 01075

2021 Periodic Review Report
Chem-Trol, Site No. 915015
Blasdell, Erie County

Dear Mr. Donovan:

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the Periodic Review Report (PRR) and IC/EC Certification for the period from February 15, 2022, to February 15, 2023. This PRR proposes a reduction in periodic monitoring requirements, which are summarized as follows:

- **Treated groundwater influent and effluent sampling**: Reduce the required monitoring from monthly to every other month. System cleanings would be performed on non-sample months to ensure a site visit is made and to monitor the operation of the system.
- **Annual groundwater monitoring**: Reduce long-term groundwater monitoring of the six wells from annual to bi-annual (every other year). Given the stability of these parameters, bi-annual sampling would continue to provide an adequate assessment of the stability of the groundwater recovery and treatment system.
- **Groundwater level gauging**: Reduce from quarterly to semi-annually in April and October. Groundwater contour figures would be prepared and submitted with the monitoring reports.
- **Periodic reporting**: A change to semi-annual reporting is proposed, to include system sampling, inspections, and groundwater contours for the reporting period.

The Department hereby accepts the PRR and associated Certification, and approves the proposed reduction in periodic monitoring requirements.

The frequency of Periodic Reviews for this site is one year, so your next PRR is due in March 2024. You will receive a reminder letter and updated certification form prior to that due date. Please note that if you do not receive the reminder notice, the next PRR including the signed certification form is still due on the date specified above.



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

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AUG 05 2011



Joe Martens
Commissioner

August 4, 2011

Mark Snyder, P.E.
Waste Management
425 Perinton Parkway
Fairport, New York 14450-9104

Dear Mr. Snyder:

2nd Quarter 2011 Operation, Maintenance &
Monitoring Report
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 report submitted in July 2011 by AECOM on behalf of S. C. Holdings, Inc., and finds it acceptable. This letter, therefore, transmits formal NYSDEC approval of the 2nd Quarter 2011 Operation, Maintenance & Monitoring Report dated July 8, 2011.

In addition, the NYSDEC agrees with your request to use the quarterly Operation, Maintenance & Monitoring Reports as the mechanism for transmitting the monthly compliance results versus continuing to submit data on a monthly basis via email. The NYSDEC requests notification via e-mail, however, should compliance results exceed the discharge limits.

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

Sincerely yours,

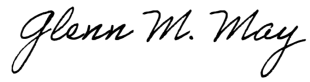
Glenn M. May, CPG
Environmental Geologist II

GMM:sz

cc: Mr. Gregory Sutton, NYSDEC, Region 9
Mr. Brian Sadowski, NYSDEC, Region 9
Mr. James Bojarski, McMahon & Mann Consulting Engineers, P.C.

Should you have any questions, please contact me at 716-851-7220 or via e-mail at:
glenn.may@dec.ny.gov.

Sincerely,

A handwritten signature in black ink that reads "Glenn M. May". The script is cursive and fluid, with the first letters of each word being capitalized and prominent.

Glenn M. May, PG
Professional Geologist I

cc: Stanley Radon, NYSDEC, Buffalo
Andrea Caprio, NYSDEC, Buffalo
James Kaczor, AECOM, Buffalo

ATTACHMENT C

August 2025 – February 2026 Treatment System Site Inspection Checklists

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban Weather/Temperature: Cloudy, calm, 80°F

Date: 07/14/2025 Arrival Time: 07:50 Departure Time: 09:30

Reason for Service: Inspect system, influent/effluent sampling

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

X

None

Building Heater

X

Turned Off

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>2.1</u> GPM (see Notes section)
Water Level Above Transducer	<u>169</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.5</u> GPM (see Notes section)
Water Level Above Transducer	<u>171</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.1</u> GPM (see Notes section)
Water Level Above Transducer	<u>201</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,460,537</u> Gallons

Influent/Effluent Sampling

AQUEOUS:

Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624.1 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D
- Ferric/Ferrous Iron

pH measurements and temperature must be made in the field:

Calibration of pH meter:

<u>Standard</u>	<u>Reading</u>
4.0	4.03
7.0	6.98
10.0	10.04

Influent pH	<u>7.39</u>	Temperature (°C)	<u>16.2</u>	(Oakton pHTestr 30 s/n T311487089)
Effluent pH	<u>7.95</u>	Temperature (°C)	<u>20.5</u>	(Oakton pHTestr 30 s/n T311487089)

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

System alarm “WELL PUMP #1 VFD FAILURE” display on control panel was acknowledged and cleared.

Total system flow was timed at 2.7 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (1st Half 2025) was collected on May 6, 2025.

The air stripper trays were last mechanically cleaned on June 20, 2025.

The bi-monthly influent/effluent samples were collected today, July 14, 2025.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
7/14/25

Photo Direction:

North northeast

Description:

Landfill cap



Photo No.
2

Date:
7/14/25

Photo Direction:

North

Description:

Landfill cap



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

Date:
7/14/25

Photo Direction:

NA

Description:

Effluent totalizer



Photo No.
4

Date:
7/14/25

Photo Direction:

NA

Description:

EW flow rate/totalizer
panel



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 5	Date: 7/14/25	
Photo Direction: NA		
Description: Effluent stream at end of effluent pipe		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban, Dani VanMarter, Matt Stevener Weather/Temperature: Clear, calm, 83°F

Date: 08/14/2025 Arrival Time: 07:30 Departure Time: 16:30

Reason for Service: Inspect system, System cleaning

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

X

None

Building Heater

X

Turned Off

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>270</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.5</u> GPM (see Notes section)
Water Level Above Transducer	<u>174</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.2</u> GPM (see Notes section)
Water Level Above Transducer	<u>204</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,490,050</u> Gallons

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

System alarm “WELL #1 HIGH LEVEL” display on control panel was acknowledged and cleared.

Total system flow was timed at 0.7 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

After cleaning and reassembly, it was noted that EW-1 pump was not functioning and had a “MOTOR OVERLOAD TRIPPED” alarm at the well head. The well was mechanically turned off and reset. EW-1 was then pumping at a rate of 2.7 gpm. The total system was pumping at a rate of 3.2 gpm at departure.

The most recent round of water levels (1st Half 2025) was collected on May 6, 2025.

The air stripper trays were last mechanically cleaned today, August 14, 2025.

The bi-monthly influent/effluent samples were last collected on July 14, 2025.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
8/14/25

Photo Direction:

North northeast

Description:

Landfill cap



Photo No.
2

Date:
8/14/25

Photo Direction:

North northwest

Description:

Landfill cap



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

Date:
8/14/25

Photo Direction:

NA

Description:

Effluent totalizer



Photo No.
4

Date:
8/14/25

Photo Direction:

NA

Description:

EW flow rate/totalizer
panel



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 5	Date: 8/14/25	
Photo Direction: North		
Description: Air stripper prior to cleaning		

Photo No. 6	Date: 8/14/25	
Photo Direction: North		
Description: Air stripper post power washing		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 7	Date: 8/14/25	
Photo Direction: East		
Description: "Motor overload tripped" alarm on EW-1 well head.		

Photo No. 8	Date: 8/14/25	
Photo Direction: South		
Description: Effluent discharge point		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: T. Urban Weather/Temperature: Sunny, light wind, 70°F
Date: 09/10/2025 Arrival Time: 08:30 Departure Time: 10:45

Reason for Service: Inspect system

<u>Inspection Items:</u>	<u>OK:</u>	<u>Comments:</u>
Site Appearance/Condition	<u>X</u>	<u>See Notes/Explanations section.</u>
<i>Building Exterior</i>		
Overhead Door	<u>X</u>	<u></u>
Siding	<u>X</u>	<u></u>
Roof and Discharge Pipe	<u>X</u>	<u></u>
<i>Building Interior</i>		
Indication of Spills or Leaks	<u>X</u>	<u>None</u>
Building Heater	<u>X</u>	<u>Turned Off</u>
Phone System	<u>X</u>	<u>Disconnected</u>
Exhaust Fan	<u></u>	<u>Could not get fan to work.</u>
Fire Extinguisher	<u>X</u>	<u></u>
First Aid & Eye Wash	<u>X</u>	<u></u>

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning.
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Not Flowing
Cleanout	X	Not Flowing

Instrumentation/Readings:

EW-1

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>272</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>185</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>208</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,499,168</u> Gallons

Influent/Effluent Sampling

No Sampling was performed.

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival, yet there was no influent or effluent flow.

System alarms: “WELL #1 HIGH LEVEL” on the control panel display was acknowledged and cleared. “WELL PUMP #1 VFD FAILURE” on the control panel was acknowledged and cleared.

A check on the EW well heads revealed that EW-1 had a “motor overload tripped” red indicator light on. The control panel was accessed and the VFD was reset via a button. EW-1 began to pump normally. EW-2 and EW-3 were audibly on with no visual alarms on the control panels.

After the restart of EW-1, the total system flow was timed at 2.0 gpm on the system totalizer flow meter.

EW-2 piping in the shed has a small gasket leak at the flanges. A small drip was temporarily fixed at the clear sight tubing on the side of the groundwater treatment cabinet.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
9/10/25

Photo Direction:

East

Description:

Inside EW-1 control panel

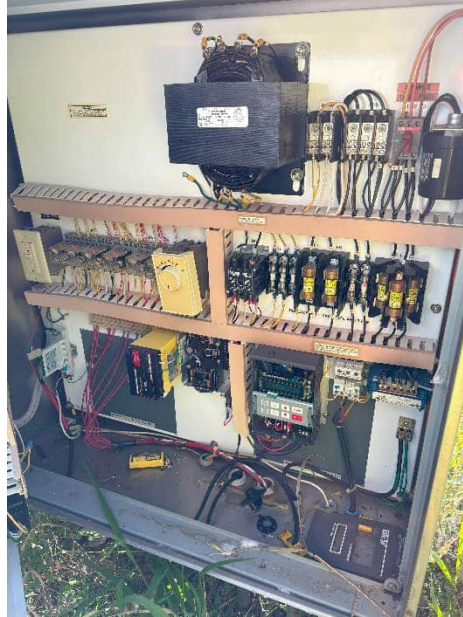


Photo No.
2

Date:
9/10/25

Photo Direction:

East

Description:

Grey reset button for VFD



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 3	Date: 9/10/25	
Photo Direction: West		
Description: EW-2 flange gasket leaking (middle pipe)		

Photo No. 4	Date: 9/10/25	
Photo Direction: North		
Description: Sensaphone panel – no alarms indicated		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
5

Date:
9/10/25

Photo Direction:

North

Description:

Clear sight tube slight leak
at bottom (near yellow
fitting)



Photo No.
6

Date:
9/10/25

Photo Direction:

NA

Description:

Water meter totalizer



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
7

Date:
9/10/25

Photo Direction:

North northeast

Description:

Landfill cap.



Photo No.
8

Date:
9/10/25

Photo Direction:

North

Description:

Landfill cap



Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban Weather/Temperature: Cloudy, calm, 80°F

Date: 09/16/2025 Arrival Time: 10:15 Departure Time: 11:45

Reason for Service: Inspect system, influent/effluent sampling

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

EW-2 flange is leaking

Building Heater

X

Turned Off

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.9</u> GPM (see Notes section)
Water Level Above Transducer	<u>170</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.3</u> GPM (see Notes section)
Water Level Above Transducer	<u>163</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>188</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,519,845</u> Gallons

Influent/Effluent Sampling

AQUEOUS:

Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624.1 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D

pH measurements and temperature must be made in the field:

Calibration of pH meter:

<u>Standard</u>	<u>Reading</u>
4.0	4.01
7.0	6.99
10.0	10.01

Influent pH	<u>7.31</u>	Temperature (°C)	<u>14.1</u>	(Oakton pHTestr 30 s/n T311487089)
Effluent pH	<u>7.98</u>	Temperature (°C)	<u>21.4</u>	(Oakton pHTestr 30 s/n T311487089)

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

There were no alarms.

EW-2 piping in the shed has a small gasket leak at the flange.

Total system flow was timed at 2.2 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (1st Half 2025) was collected on May 6, 2025.

The air stripper trays were last mechanically cleaned on August 14, 2025.

The bi-monthly influent/effluent samples were collected today, September 16, 2025.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

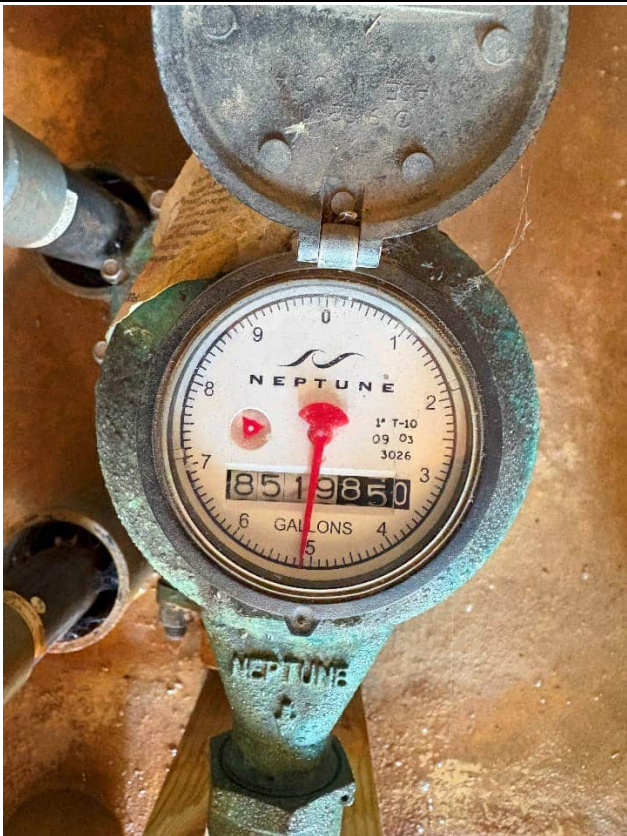
Photo No. 1	Date: 9/16/25	
Photo Direction: NA		
Description: Flow totalizer		

Photo No. 2	Date: 9/16/25	
Photo Direction: North		
Description: Flow rate/totalizer panel		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

Date:
9/16/25

Photo Direction:

West

Description:

Influent piping system



Photo No.
4

Date:
9/16/25

Photo Direction:

North

Description:

Sensaphone panel – no alarms indicated



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
5

Date:
9/16/25

Photo Direction:

North

Description:

Landfill cap – east side



Photo No.
6

Date:
9/16/25

Photo Direction:

North

Description:

Landfill cap – west side



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 7	Date: 9/16/25	
Photo Direction: East		
Description: Effluent discharge pipe		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Chris Finn, Ernie Thalhamer, Matt Stevener Weather/Temperature: Clear, calm, 63°F
Date: 10/10/2025 Arrival Time: 0700 Departure Time: 1330

Reason for Service: Inspect system, System cleaning

<u>Inspection Items:</u>	<u>OK:</u>	<u>Comments:</u>
Site Appearance/Condition	<u>X</u>	<u>See Notes/Explanations section.</u>
<i>Building Exterior</i>		
Overhead Door	<u>X</u>	<u></u>
Siding	<u>X</u>	<u></u>
Roof and Discharge Pipe	<u>X</u>	<u></u>
<i>Building Interior</i>		
Indication of Spills or Leaks	<u></u>	<u>Slight leak out of EW-2 flow meter area.</u>
Building Heater	<u>X</u>	<u>Used in AM, operational</u>
Phone System	<u>X</u>	<u>Disconnected</u>
Exhaust Fan	<u></u>	<u>Could not get fan to work.</u>
Fire Extinguisher	<u>X</u>	<u></u>
First Aid & Eye Wash	<u></u>	<u>Expiring soon; order replacement.</u>

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>2.6</u> GPM (see Notes section)
Water Level Above Transducer	<u>189</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.6</u> GPM (see Notes section)
Water Level Above Transducer	<u>177</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.0</u> GPM (see Notes section)
Water Level Above Transducer	<u>205</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>85,702,720</u> Gallons

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

Total system flow was timed at 3.2 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels was collected on September 25, 2025.

The air stripper trays were last mechanically cleaned today, October 10, 2025.

The bi-monthly influent/effluent samples were last collected on September 16, 2025.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
10/13/25

Photo Direction:

North northeast

Description:

View of garages from the gate.



Photo No.
2

Date:
10/13/25

Photo Direction:

North northwest

Description:

View of the landfill cap from the North side of the garages.



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 3	Date: 10/13/25	
Photo Direction: NA		
Description: Effluent totalizer		

Photo No. 4	Date: 10/13/25	
Photo Direction: NA		
Description: EW flow rate/totalizer panel		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
5

Date:
10/13/25

Photo Direction:

North

Description:

Air stripper in operation
post cleaning.



Photo No.
6

Date:
10/13/25

Photo Direction:

South

Description:

Effluent discharge point



Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban

Weather/Temperature: Clear, calm, 50°F

Date: 10/29/2025

Arrival Time: 0950

Departure Time: 1300

Reason for Service: Inspect system, Semi Annual Water Levels

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

X

Building Heater

X

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

Expiring soon; order replacement.

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>2.5</u> GPM (see Notes section)
Water Level Above Transducer	<u>184</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.7</u> GPM (see Notes section)
Water Level Above Transducer	<u>192</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.4</u> GPM (see Notes section)
Water Level Above Transducer	<u>220</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,650,570</u> Gallons

Influent/Effluent Sampling

No Sampling was performed.

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

System alarm: “WELL PUMP #2 VFD FAILURE” on the control panel display was acknowledged and cleared. There was no indication of malfunction at the wellhead (audio and visual). Check on EW-2 flow in system shed indicated it was pumping.

Total system flow was timed at 3.5 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels was collected today, October 29, 2025. Re-labeled all monitoring wells onsite with paint pen.

The air stripper trays were last mechanically cleaned on October 10, 2025.

The bi-monthly influent/effluent samples were last collected on September 16, 2025.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
10/29/25

Photo Direction:

Northeast

Description:

Landfill cap



Photo No.
2

Date:
10/29/25

Photo Direction:

North

Description:

Landfill cap



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

Date:
10/29/25

Photo Direction:

West

Description:

South end of site leading to outfall.



Photo No.
4

Date:
10/29/25

Photo Direction:

North northeast

Description:

System sheds



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
5

Date:
10/29/25

Photo Direction:

North

Description:

Flow meter panel



Photo No.
6

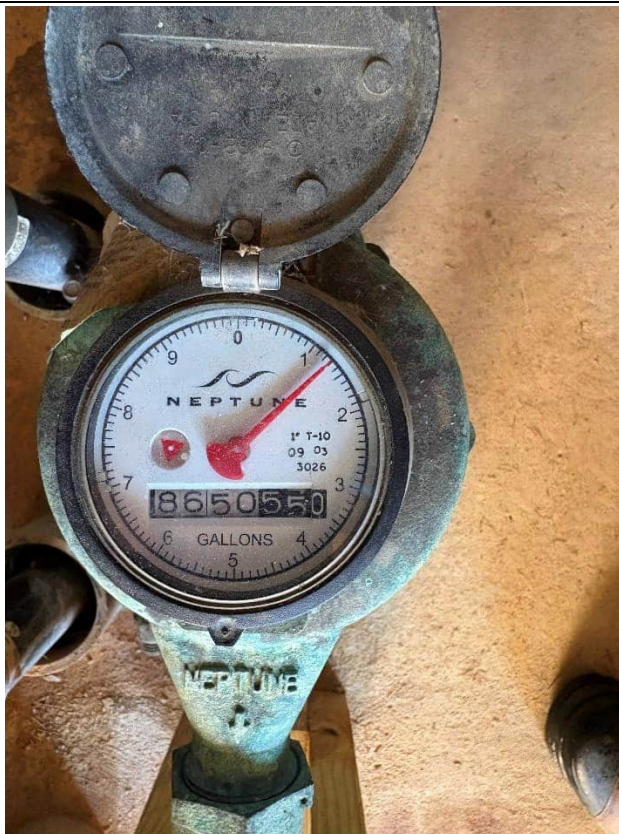
Date:
10/29/25

Photo Direction:

N/A

Description:

Totalizer



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 7	Date: 10/29/25	
Photo Direction: West		
Description: Shed piping from extraction wells		

Photo No. 8	Date: 10/29/25	
Photo Direction: East		
Description: P-1S well with fresh label		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 9	Date: 10/29/25	
Photo Direction: South		
Description: MW-10R with fresh label		

Photo No. 10	Date: 10/29/25	
Photo Direction: N/A		
Description: Outfall		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban Weather/Temperature: Cloudy, windy, 32°F

Date: 11/11/2025 Arrival Time: 09:00 Departure Time: 11:00

Reason for Service: Inspect system, influent/effluent sampling

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

Tiny leaks on effluent piping and door. See Notes/Explanations section.

Building Heater

X

Turned On

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

Expiring soon; replacement ordered.

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>2.5</u> GPM (see Notes section)
Water Level Above Transducer	<u>186</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.7</u> GPM (see Notes section)
Water Level Above Transducer	<u>194</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.5</u> GPM (see Notes section)
Water Level Above Transducer	<u>220</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,710,780</u> Gallons

Influent/Effluent Sampling

AQUEOUS:

Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624.1 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D

pH measurements and temperature must be made in the field:

Calibration of pH meter:

<u>Standard</u>	<u>Reading</u>
4.0	3.98
7.0	6.99
10.0	10.02

Influent pH 6.82 Temperature (°C) 9.7 (Oakton pHTestr 30 s/n T311487089)

Effluent pH 7.79 Temperature (°C) 8.2 (Oakton pHTestr 30 s/n T311487089)

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

System alarm: “E-STOP PRESSED” on the control panel display was acknowledged and cleared. There was no indication of malfunction inside the system shed or at the wellheads (audio and visual).

Effluent piping and system door were tightened to eliminate minuscule leaks.

Total system flow was timed at 3.7 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (2nd Half 2025) was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned on October 10, 2025.

The bi-monthly influent/effluent samples were collected today, November 11, 2025.

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site	Site Location: Blasdell, New York	Project No. 60746785

Photo No. 1	Date: 11/11/25			
Photo Direction: Northeast				
Description: Landfill cap				

Photo No. 2	Date: 11/11/25			
Photo Direction: North				
Description: Landfill cap				

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site	Site Location: Blasdell, New York	Project No. 60746785

Photo No. 3	Date: 11/11/25	
Photo Direction: West		
Description: South end of site leading to outfall.		

Photo No. 4	Date: 11/11/25	
Photo Direction: North northeast		
Description: System sheds		

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site	Site Location: Blasdell, New York	Project No. 60746785

Photo No. 5	Date: 11/11/25	
Photo Direction: North		
Description: Flow meter panel		

Photo No. 6	Date: 11/11/25	
Photo Direction: North		
Description: Control panel display for EW-1		

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site	Site Location: Blasdell, New York	Project No. 60746785

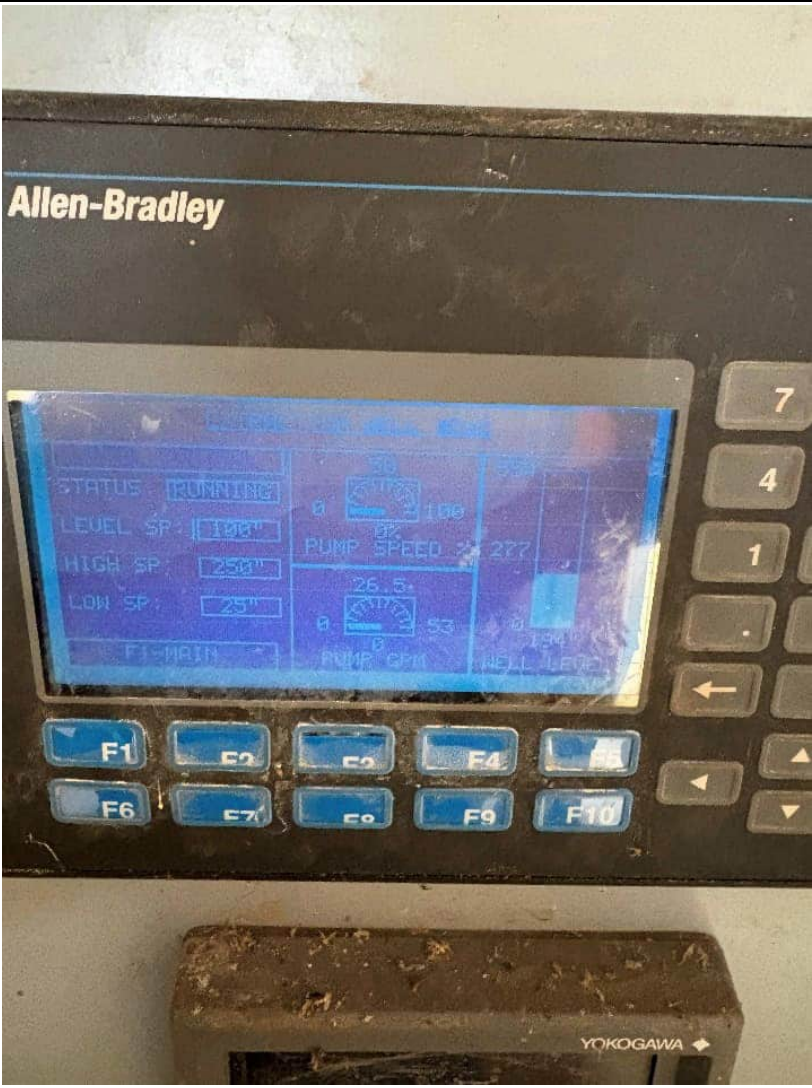
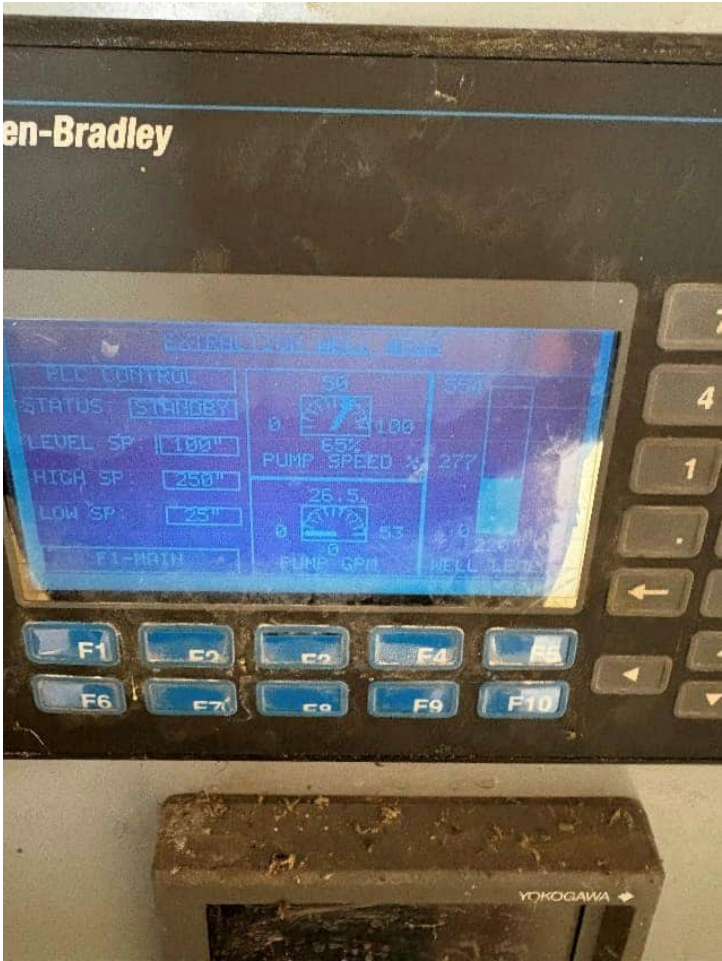
Photo No. 7	Date: 11/11/25	
Photo Direction: North		
Description: Control panel display for EW-2		

Photo No. 8	Date: 11/11/25	
Photo Direction: North		
Description: Control panel display for EW-3		

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site	Site Location: Blasdell, New York	Project No. 60746785

Photo No. 9	Date: 11/11/25	
Photo Direction: N/A		
Description: System totalizer		

Photo No. 10	Date: 11/11/25	
Photo Direction: North		
Description: Air stripper system		

AECOM PHOTOGRAPH LOG		
Facility Name: CHEM TROL Site		Site Location: Blasdell, New York
Project No. 60746785		

Photo No. 11	Date: 11/11/25
Photo Direction: West	
Description: System shed piping	



Photo No. 12	Date: 11/11/25
Photo Direction: N/A	
Description: Outfall	



Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Collin Horrocks, Danielle Volpe, Matt Stevener Weather/Temperature: Clear, 45°F
Date: 12/18/2025 Arrival Time: 0800 Departure Time: 1330

Reason for Service: Inspect system, System cleaning

<u>Inspection Items:</u>	<u>OK:</u>	<u>Comments:</u>
Site Appearance/Condition	<u>X</u>	<u>See Notes/Explanations section.</u>
<i>Building Exterior</i>		
Overhead Door	<u>X</u>	<u></u>
Siding	<u>X</u>	<u></u>
Roof and Discharge Pipe	<u>X</u>	<u></u>
<i>Building Interior</i>		
Indication of Spills or Leaks	<u></u>	<u></u>
Building Heater	<u>X</u>	<u>Operational and running</u>
Phone System	<u>X</u>	<u>Disconnected</u>
Exhaust Fan	<u></u>	<u>Could not get fan to work.</u>
Fire Extinguisher	<u>X</u>	<u></u>
First Aid & Eye Wash	<u>X</u>	<u>Replaced First Aid kit and Eye Wash station.</u>

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Blocked, changed to extension at building
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.9</u> GPM (see Notes section)
Water Level Above Transducer	<u>199</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.8</u> GPM (see Notes section)
Water Level Above Transducer	<u>206</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.3</u> GPM (see Notes section)
Water Level Above Transducer	<u>236</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,865,501</u> Gallons

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival.

Total system flow was timed at 3.0 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned today, December 18, 2025.

The bi-monthly influent/effluent samples were last collected on November 11, 2025.

First aid kit and eye wash station were replaced with new replacements.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
1

Date:
12/18/25

Photo Direction:

North

Description:

View of buildings from gate

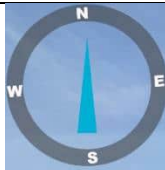


Photo No.
2

Date:
12/18/25

Photo Direction:

West

Description:

View down towards outfall



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

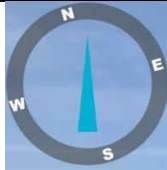
Date:
12/18/25

Photo Direction:

North

Description:

Landfill cap



December 18, 2025 at 8:08:29 AM
42.7972° N, 78.8022° W
16° N

Photo No.
4

Date:
12/18/25

Photo Direction:

West

Description:

Spray from clean out on arrival.



December 18, 2025 at 8:08:43 AM
42.7972° N, 78.8023° W
283° W

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
5

Date:
12/18/25

Photo Direction:

NA

Description:

Well Totalizers



Photo No.
6

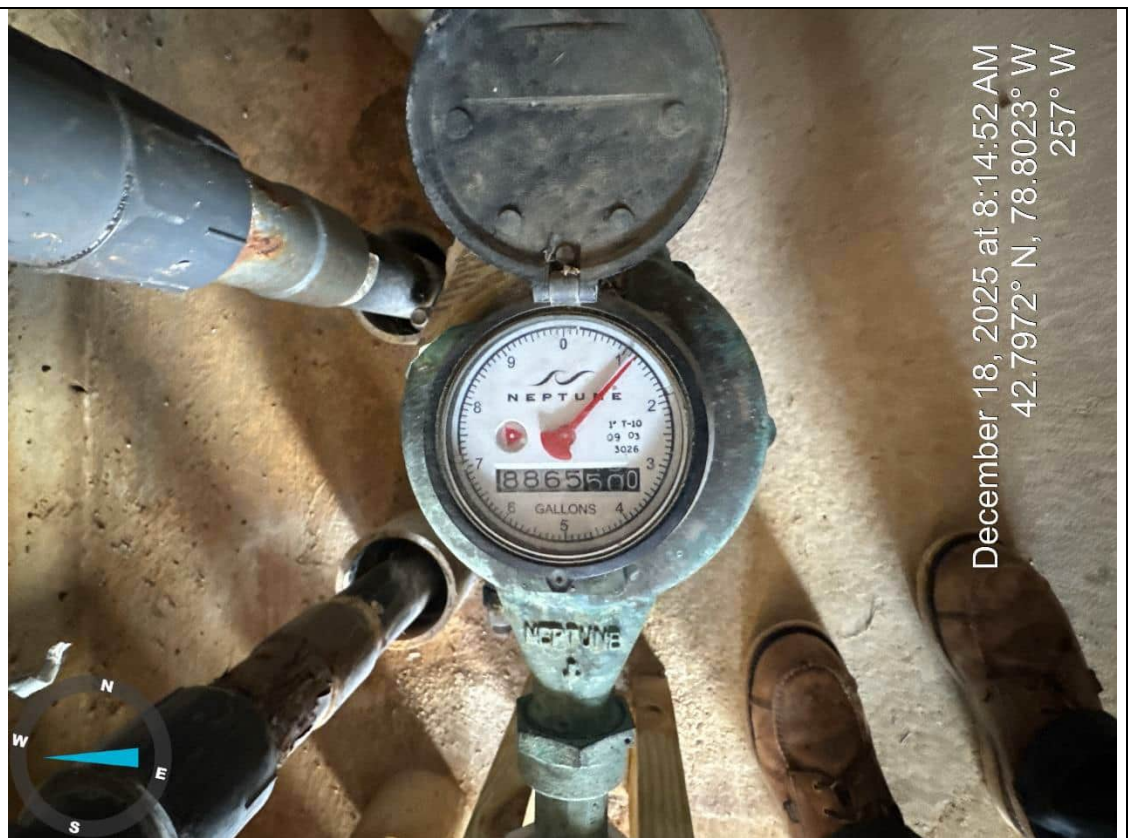
Date:
12/18/25

Photo Direction:

NA

Description:

Flow Totalizer



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
7

Date:
12/18/25

Photo Direction:

Northeast

Description:

Air stripper prior to cleaning



Photo No.
8

Date:
12/18/25

Photo Direction:

Northeast

Description:

Air stripper post cleaning



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

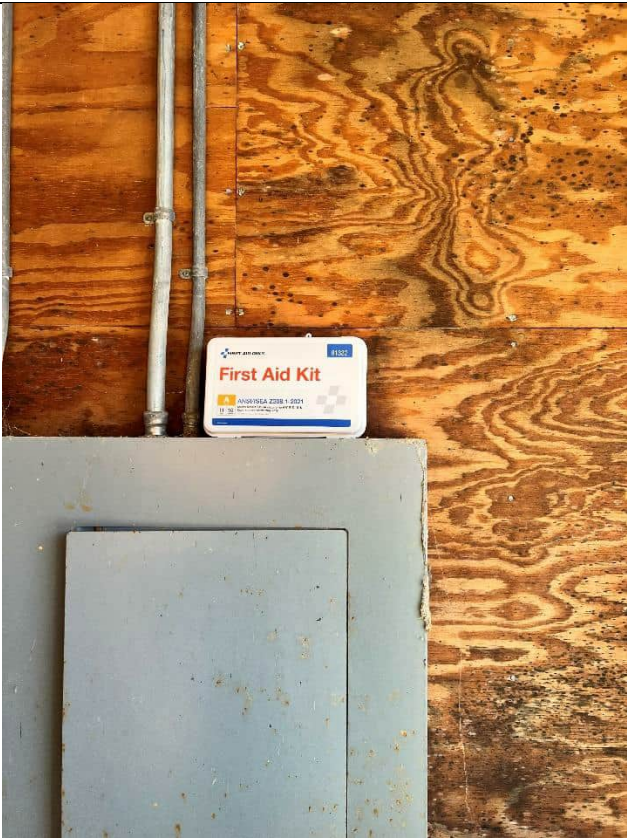
Photo No. 9	Date: 12/18/25	
Photo Direction: East		
Description: New first aid kit		

Photo No. 10	Date: 12/18/25	
Photo Direction: West		
Description: New eyewash station		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 11	Date: 12/18/25	
Photo Direction: East		
Description: Outflow piping blocked after turning system on post cleaning		

Photo No. 12	Date: 12/18/25	
Photo Direction: North		
Description: Temporary outflow piping until blockage cleared.		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 13	Date: 12/18/25	
Photo Direction: West		
Description: Outflow on arrival.		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Collin Horrocks Weather/Temperature: Light Snow, windy, 22°F

Date: 12/30/2025 Arrival Time: 13:00 Departure Time: 14:30

Reason for Service: Inspect system, influent/effluent sampling

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

Tiny leaks on effluent piping and door. See Notes/Explanations section.

Building Heater

X

Turned On

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.9</u> GPM (see Notes section)
Water Level Above Transducer	<u>299</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>1.1</u> GPM (see Notes section)
Water Level Above Transducer	<u>238</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.3</u> GPM (see Notes section)
Water Level Above Transducer	<u>256</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,911,379</u> Gallons

Influent/Effluent Sampling

AQUEOUS:

Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- Iron by MCAWW 200.7

pH measurements and temperature must be made in the field:

Calibration of pH meter:

<u>Standard</u>	<u>Reading</u>
7.0	7.04
10.0	10.03

Influent pH 6.52 Temperature (°C) 7.2 (Oakton pHTestr 30 s/n T111406064)

Effluent pH 7.20 Temperature (°C) 7.8 (Oakton pHTestr 30 s/n T111406064)

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was off upon arrival.

System alarms on control panel showed PLC fault on EW-1, EW-2 and EW-3 upon arrival along with high level alarms for EW-1 and EW-3.

Reset main power breaker and all well pumps restarted.

Total system flow was timed at 3.3 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (2nd Half 2025) was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned on December 18, 2025.

The last bi-monthly influent/effluent samples were collected on November 11, 2025.

The influent/effluent samples were collected for Iron today December 30, 2025

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No. 1	Date: 12/30/25	
Photo Direction: NA		
Description: Flow totalizer		

Photo No. 2	Date: 12/30/25	
Photo Direction: North		
Description: Flow rate/totalizer panel		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

Photo No.
3

Date:
12/30/25

Photo Direction:

North

Description:

View of cap behind buildings.



Photo No.
4

Date:
12/30/25

Photo Direction:

West

Description:

View west of buildings towards outfall.



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60746785

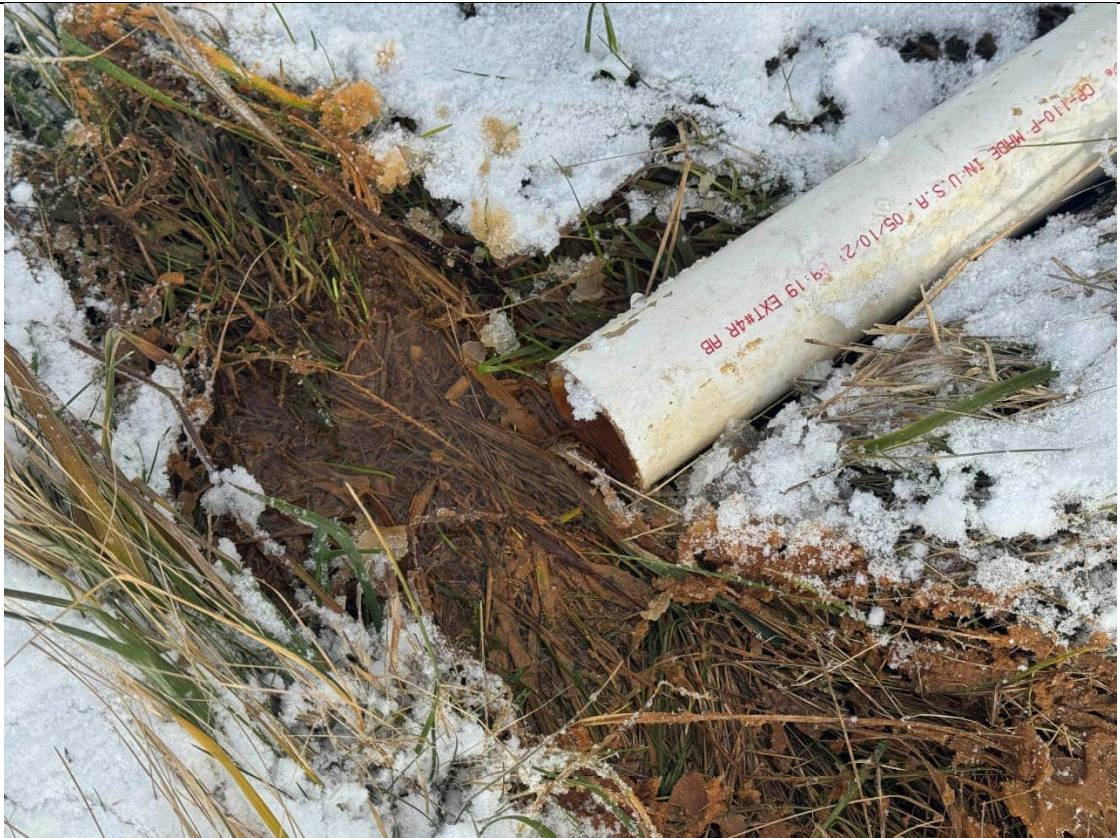
Photo No. 5	Date: 12/30/25	
Photo Direction: N/A		
Description: View of temporary effluent piping.		

Photo No. 6	Date: 12/30/25	
Photo Direction: North		
Description: View of buildings from fenceline.		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Collin Horrocks Weather/Temperature: Light Snow, windy, 27°F

Date: 01/22/2026 Arrival Time: 12:30 Departure Time: 13:45

Reason for Service: Inspect system, influent/effluent sampling

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

Tiny leaks on effluent piping and door. See Notes/Explanations section.

Building Heater

X

Turned On

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.1</u> GPM (see Notes section)
Water Level Above Transducer	<u>239</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.9</u> GPM (see Notes section)
Water Level Above Transducer	<u>205</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.1</u> GPM (see Notes section)
Water Level Above Transducer	<u>244</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>78,988,059</u> Gallons

Influent/Effluent Sampling

AQUEOUS:

Monthly monitoring samples of aqueous phase system influent and effluent were collected and submitted for the following analyses:

- VOCs by EPA Method 624.1 (CFR136 624)
- Iron by MCAWW 200.7
- TSS by MCAWW SM18-20 2540 D

pH measurements and temperature must be made in the field:

Calibration of pH meter:

<u>Standard</u>	<u>Reading</u>
4.0	4.02
7.0	6.97
10.0	9.93

Influent pH	<u>7.05</u>	Temperature (°C)	<u>10.5</u>	(Oakton pHTestr 30 s/n T311036085)
Effluent pH	<u>7.46</u>	Temperature (°C)	<u>9.3</u>	(Oakton pHTestr 30 s/n T311036085)

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on and running upon arrival.

System alarms on control panel showed high level alarms for EW-1, EW-2 and EW-3.

Total system flow was timed at 2.1 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (2nd Half 2025) was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned on December 18, 2025.

The last bi-monthly influent/effluent samples were collected today on January 22, 2026.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 1	Date: 1/22/26	
Photo Direction: NA		
Description: Flow totalizer		

Photo No. 2	Date: 1/22/26	
Photo Direction: North		
Description: Flow rate/totalizer panel		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 3	Date: 1/22/26	
Photo Direction: North		
Description: View of cap behind buildings.		

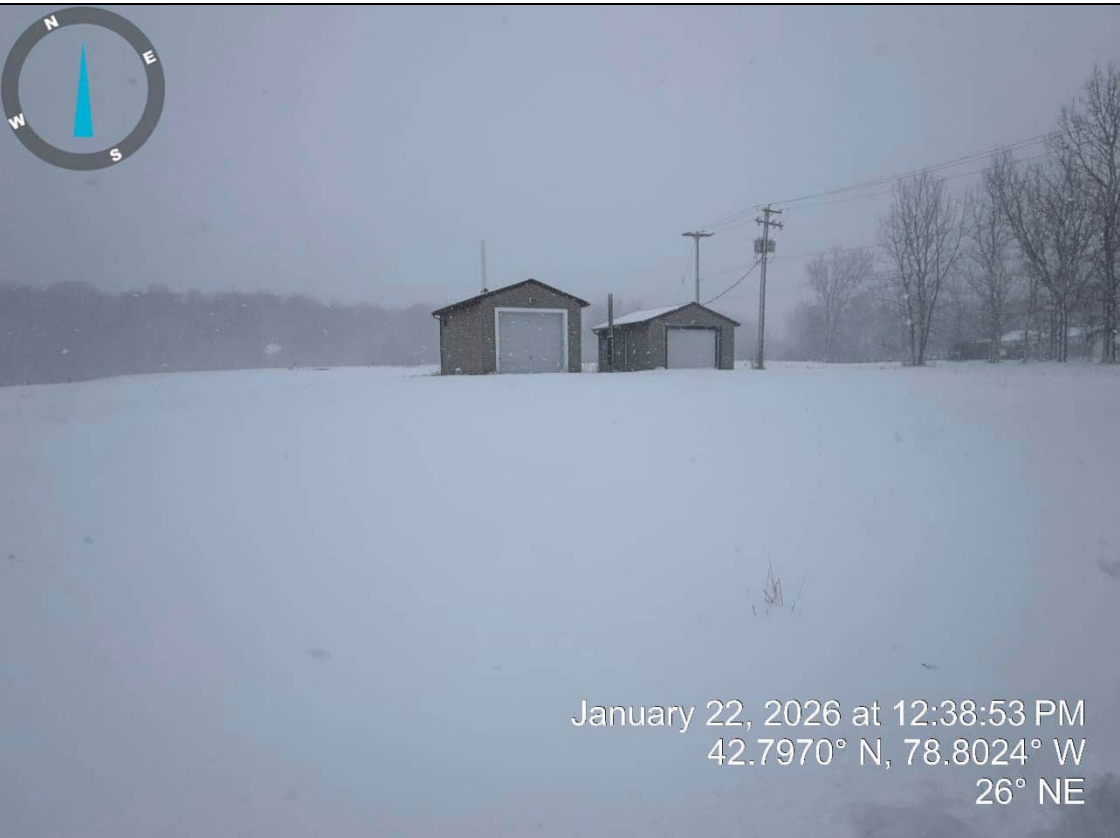
Photo No. 4	Date: 1/22/26	
Photo Direction: West		
Description: View west of buildings towards outfall.		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 5	Date: 1/22/26	 January 22, 2026 at 1:12:26 PM 42.7972° N, 78.8024° W 21° N
Photo Direction: N/A		
Description: View of temporary effluent piping.		

Photo No. 6	Date: 1/22/26	 January 22, 2026 at 12:38:53 PM 42.7970° N, 78.8024° W 26° NE
Photo Direction: North		
Description: View of buildings from fenceline.		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Tom Urban Weather/Temperature: Overcast, calm, 15°F

Date: 02/05/2026 Arrival Time: 07:00 Departure Time: 12:45

Reason for Service: Inspect system, Jet effluent piping from system shed to outfall

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

X

Building Heater

X

On

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Flowing
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.4</u> GPM (see Notes section)
Water Level Above Transducer	<u>217</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.8</u> GPM (see Notes section)
Water Level Above Transducer	<u>199</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.4</u> GPM (see Notes section)
Water Level Above Transducer	<u>226</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>79,037,110</u> Gallons

Influent/Effluent Sampling

No sampling was performed.

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on and running upon arrival.

System alarms on control panel showed high level alarm twice for EW-1 and once for EW-3. Alarms acknowledged and cleared.

Total system flow was timed at 2.6 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs.

The most recent round of water levels (2nd Half 2025) was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned on December 18, 2025.

The last bi-monthly influent/effluent samples were collected on January 22, 2026.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 1	Date: 2/5/26	
Photo Direction: NA		
Description: Flow totalizer		

Photo No. 2	Date: 2/5/26	
Photo Direction: North		
Description: Flow rate/totalizer panel		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No.
3

Date:
2/5/26

Photo Direction:

North northeast

Description:

View of cap behind buildings.



Photo No.
4

Date:
2/5/26

Photo Direction:

West

Description:

View west of buildings towards outfall.



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No.
5

Date:
2/5/26

Photo Direction:

North

Description:

Line jetting at shed.



Photo No.
6

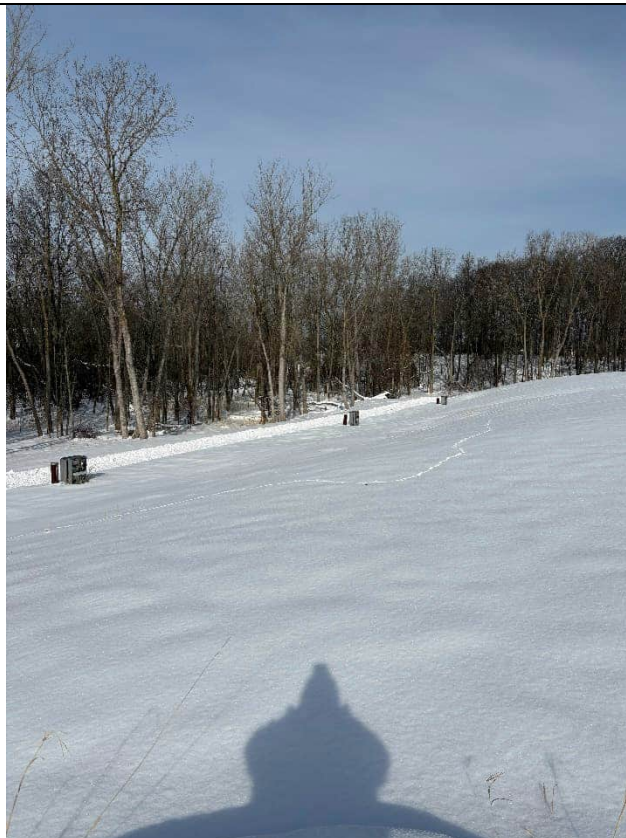
Date:
2/5/26

Photo Direction:

North northwest

Description:

View of EW-1, EW-2, EW-3 well heads and control panels.



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 7	Date: 2/5/26	
Photo Direction: West		
Description: Line jetting system.		

Photo No. 8	Date: 2/5/26	
Photo Direction: West		
Description: Shed interior influent piping.		

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 9	Date: 2/5/26	
Photo Direction: North		
Description: Effluent piping at shed after line jetting.		

Photo No. 10	Date: 2/5/26	
Photo Direction: N/A		
Description: Effluent piping discharge after line jetting.		

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System CHEM-TROL Site Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items, which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Collin Horrocks, Chris Finn, Tom Urban Weather/Temperature: Clear, 30°F

Date: 02/11/2026 Arrival Time: 0800 Departure Time: 1400

Reason for Service: Inspect system, System cleaning

Inspection Items:

OK:

Comments:

Site Appearance/Condition

X

See Notes/Explanations section.

Building Exterior

Overhead Door

X

Siding

X

Roof and Discharge Pipe

X

Building Interior

Indication of Spills or Leaks

Building Heater

X

Operational and running

Phone System

X

Disconnected

Exhaust Fan

Could not get fan to work.

Fire Extinguisher

X

First Aid & Eye Wash

X

Groundwater Treatment System

Air Stripper	X	
Iron Removal Filter	NA	As of June 2021, there is no longer an iron removal filter tank.
Flow Meters	X	See Notes/Explanations section.
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	
EW-1 Transducer	X	
EW-1 Flow Meter		EW-1 flow meter/totalizer screen no longer functioning.
EW-2 Pump	X	
EW-2 Transducer	X	
EW- 2 Flow Meter		EW-2 flow meter/totalizer screen no longer functioning
EW-3 Pump	X	
EW-3 Transducer	X	
EW-3 Flow Meter		EW-3 flow meter/totalizer screen no longer functioning.

Effluent Discharge

Outfall	X	Blocked, changed to extension at building
Cleanout	X	

Instrumentation/Readings:

EW-1

Pumping Rate	<u>1.3</u> GPM (see Notes section)
Water Level Above Transducer	<u>227</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-2

Pumping Rate	<u>0.7</u> GPM (see Notes section)
Water Level Above Transducer	<u>197</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

EW-3

Pumping Rate	<u>0.4</u> GPM (see Notes section)
Water Level Above Transducer	<u>225</u> Inches
Flow Meter Reading	<u>Not Working</u> Gallons

Air Stripper

Stripper Blower Pressure (Panel)	<u>Broken</u> Inches H2O
Stripper Blower Pressure (Stripper)	<u>Broken</u> Inches H2O

Effluent Flow

Total System Meter Reading	<u>79,057,459</u> Gallons

Notes/Explanations

(Please include any additional information on those items that require attention as indicated above.)

The system was on upon arrival and heater running.

Total system flow was timed at 2.4 gpm on the system totalizer flow meter. Timed each EW gpm by shutting off flow from other 2 EWs. After system cleaning flow was timed at 2.4 gpm on the system totalizer flow.

The most recent round of water levels was collected on October 29, 2025.

The air stripper trays were last mechanically cleaned today, February 11, 2026.

The bi-monthly influent/effluent samples were last collected on January 22, 2026.

Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No.
1

Date:
2/11/26

Photo Direction:

NA

Description:

Flow totalizer



Photo No.
2

Date:
2/11/26

Photo Direction:

North

Description:

Flow rate/totalizer panel



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No.
3

Date:
2/11/26

Photo Direction:

North

Description:

View of cap behind buildings.



Photo No.
4

Date:
2/11/26

Photo Direction:

West

Description:

View west of buildings towards outfall.



Facility Name:
CHEM TROL Site

Site Location:
Blasdell, New York

Project No.
60779298

Photo No. 5	Date: 2/11/26	
Photo Direction: N/A		
Description: View of effluent piping.		

Photo No. 6	Date: 2/11/26	
Photo Direction: North		
Description: View of buildings from fenceline.		

ATTACHMENT D

**August 2025 – February 2026 Treatment System Influent/Effluent Monitoring Data
Tables**

Table 1
September 16, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow*	957	957	144,000	gpd	NA	NA	NA
pH	7.31	7.98	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 10	< 5	5	ug/L	< 0.00004	0.006	lbs/day
Chlorobenzene	< 35	< 5	10	ug/L	< 0.00004	0.012	lbs/day
cis-1,2-Dichloroethene	2.8 J	< 5	10	ug/L	< 0.00004	0.012	lbs/day
Benzene	< 10	< 5	5	ug/L	< 0.00004	0.006	lbs/day
1,1,1-Trichloroethane	< 20	< 5	10	ug/L	< 0.00004	0.012	lbs/day
Chloroethane	23	< 5	10	ug/L	< 0.00004	0.012	lbs/day
1,1-Dichloroethane	35	< 5	10	ug/L	< 0.00004	0.012	lbs/day
1,1-Dichloroethene	< 10	< 5	10	ug/L	< 0.00004	0.012	lbs/day
Trichloroethene	< 10	< 5	10	ug/L	< 0.00004	0.012	lbs/day
o-Chlorotoluene	900	< 5	10	ug/L	< 0.00004	0.012	lbs/day
Iron - Total	1,700	553	3,000	ug/L	0.0044	3.61	lbs/day
TSS	< 4.0	< 4.0	20	mg/L	< 0.0320		lbs/day

Notes:

- 1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.
 - 2) < indicates Not Detected at or above the laboratory reporting limit.
 - 3) NA indicates Not Applicable.
 - 4) "J" indicates an estimated concentration below the method detection limit.
 - 5) E - Estimated Value, result above calibration curve
 - 6) D - Dilution
 - 7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.
- * Average daily flow as measured July 14, 2025 through September 16, 2025.

Table 2
September 16, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		Current Report		Prior Report
		9/16/2025	units	7/14/2025
<i>EW-1</i>				
	Pumping Rate	1.90	GPM	2.10
	Water Level Above Transducer	170	Inches	169
	Flow Meter Reading	NW	gallons	NW
<i>EW-2</i>				
	Pumping Rate	0.3	GPM	0.5
	Water Level Above Transducer	163	Inches	171
	Flow Meter Reading	NW	gallons	NW
<i>EW-3</i>				
	Pumping Rate	0.0	GPM	0.1
	Water Level Above Transducer	188	Inches	201
	Flow Meter Reading	NW	gallons	NW
<i>Air Stripper</i>				
	Stripper Blower Pressure	NW	inches H ₂ O	NW
<i>Effluent Flow</i>				
	Total System Meter Reading	78,519,845	gallons	78,460,537
	Average System Flow Since Prior Report	957	gpd	
		39.9	gph	
		0.664	gpm	
	Influent o-Chlorotoluene concentration	900	ug/L	
	Current period mass removal	0.202	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

Table 1
November 11, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow *	3,472	3,472	144,000	gpd	NA	NA	NA
pH	6.82	7.79	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 5	< 5	5	ug/L	< 0.0001	0.006	lbs/day
Chlorobenzene	< 18	< 5	10	ug/L	< 0.0001	0.012	lbs/day
cis-1,2-Dichloroethene	2.6 J	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Benzene	< 5	< 5	5	ug/L	< 0.0001	0.006	lbs/day
1,1,1-Trichloroethane	< 10	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Chloroethane	22	< 5	10	ug/L	< 0.0001	0.012	lbs/day
1,1-Dichloroethane	25	< 5	10	ug/L	< 0.0001	0.012	lbs/day
1,1-Dichloroethene	1.5 J	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Trichloroethene	2.7 J	< 5	10	ug/L	< 0.0001	0.012	lbs/day
o-Chlorotoluene	950	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Iron - Total	2,400	19,500	3,000	ug/L	0.5656	3.61	lbs/day
TSS	4.8	49	20	mg/L	1.4213		lbs/day

Notes:

- 1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.
 - 2) < indicates Not Detected at or above the laboratory reporting limit.
 - 3) NA indicates Not Applicable.
 - 4) "J" indicates an estimated concentration below the method detection limit.
 - 5) E - Estimated Value, result above calibration curve
 - 6) D - Dilution
 - 7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.
- * Average daily flow as measured September 16, 2025 through November 11, 2025.

Table 2
November 11, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		Current Report	units	Prior Report
EW-1		11/11/2025		9/16/2025
	Pumping Rate	2.50	GPM	1.90
	Water Level Above Transducer	186	Inches	170
	Flow Meter Reading	NW	gallons	NW
EW-2				
	Pumping Rate	0.7	GPM	0.3
	Water Level Above Transducer	194	Inches	163
	Flow Meter Reading	NW	gallons	NW
EW-3				
	Pumping Rate	0.5	GPM	0.0
	Water Level Above Transducer	220	Inches	188
	Flow Meter Reading	NW	gallons	NW
Air Stripper				
	Stripper Blower Pressure	NW	inches H ₂ O	NW
Effluent Flow				
	Total System Meter Reading	78,710,780	gallons	78,519,845
	Average System Flow Since Prior Report	3,472	gpd	
		144.6	gph	
		2,411	gpm	
	Influent o-Chlorotoluene concentration	950	ug/L	
	Current period mass removal	0.687	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

Table 1
December 30, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow *	4,094	4,094	144,000	gpd	NA	NA	NA
pH	6.52	7.20	6.5 to 8.5	standard units	NA	NA	NA
Toluene	NA	NA	5	ug/L	NA	0.006	lbs/day
Chlorobenzene	NA	NA	10	ug/L	NA	0.012	lbs/day
cis-1,2-Dichloroethene	NA	NA	10	ug/L	NA	0.012	lbs/day
Benzene	NA	NA	5	ug/L	NA	0.006	lbs/day
1,1,1-Trichloroethane	NA	NA	10	ug/L	NA	0.012	lbs/day
Chloroethane	NA	NA	10	ug/L	NA	0.012	lbs/day
1,1-Dichloroethane	NA	NA	10	ug/L	NA	0.012	lbs/day
1,1-Dichloroethene	NA	NA	10	ug/L	NA	0.012	lbs/day
Trichloroethene	NA	NA	10	ug/L	NA	0.012	lbs/day
o-Chlorotoluene	NA	NA	10	ug/L	NA	0.012	lbs/day
Iron - Total	33,600	1,320	3,000	ug/L	0.0452	3.61	lbs/day
TSS	NA	NA	20	mg/L	NA		lbs/day

Notes:

- 1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.
 - 2) < indicates Not Detected at or above the laboratory reporting limit.
 - 3) NA indicates Not Applicable.
 - 4) "J" indicates an estimated concentration below the method detection limit.
 - 5) E - Estimated Value, result above calibration curve
 - 6) D - Dilution
 - 7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.
- * Average daily flow as measured November 11, 2025 through December 30, 2025.

Table 2
December 30, 2025 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		Current Report 12/30/2025	units	Prior Report 11/11/2025
<i>EW-1</i>				
	Pumping Rate	1.90	GPM	2.50
	Water Level Above Transducer	299	Inches	186
	Flow Meter Reading	NW	gallons	NW
<i>EW-2</i>				
	Pumping Rate	1.1	GPM	0.7
	Water Level Above Transducer	238	Inches	194
	Flow Meter Reading	NW	gallons	NW
<i>EW-3</i>				
	Pumping Rate	0.3	GPM	0.5
	Water Level Above Transducer	256	Inches	220
	Flow Meter Reading	NW	gallons	NW
<i>Air Stripper</i>				
	Stripper Blower Pressure	NW	inches H ₂ O	NW
<i>Effluent Flow</i>				
	Total System Meter Reading	78,911,379	gallons	78,710,780
	Average System Flow Since Prior Report	4,094	gpd	
		170.6	gph	
		2.843	gpm	
	Influent o-Chlorotoluene concentration	NA	ug/L	
	Current period mass removal	NA	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

Table 1
January 22, 2026 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Parameters	Concentration				Mass Loading		
	Influent	Effluent	Discharge Limitations	Units	Effluent	Discharge Limitations	Units
Flow *	3,485	3,485	144,000	gpd	NA	NA	NA
pH	7.05	7.46	6.5 to 8.5	standard units	NA	NA	NA
Toluene	< 5	< 5	5	ug/L	< 0.0001	0.006	lbs/day
Chlorobenzene	< 18	< 5	10	ug/L	< 0.0001	0.012	lbs/day
cis-1,2-Dichloroethene	3.1	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Benzene	< 5	< 5	5	ug/L	< 0.0001	0.006	lbs/day
1,1,1-Trichloroethane	2.2 J	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Chloroethane	16	< 5	10	ug/L	< 0.0001	0.012	lbs/day
1,1-Dichloroethane	27	< 5	10	ug/L	< 0.0001	0.012	lbs/day
1,1-Dichloroethene	< 1.5	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Trichloroethene	1.7 J	< 5	10	ug/L	< 0.0001	0.012	lbs/day
o-Chlorotoluene	800	< 5	10	ug/L	< 0.0001	0.012	lbs/day
Iron - Total	27,700	4,380	3,000	ug/L	0.1276	3.61	lbs/day
TSS	51	35	20	mg/L	1.0193		lbs/day

Notes:

- 1) **Bold** typeface denotes exceedance of treatment requirements in the effluent sample.
 - 2) < indicates Not Detected at or above the laboratory reporting limit.
 - 3) NA indicates Not Applicable.
 - 4) "J" indicates an estimated concentration below the method detection limit.
 - 5) E - Estimated Value, result above calibration curve
 - 6) D - Dilution
 - 7) Revision of monitoring parameters (inorganics and TSS) and discharge limitation (iron) approved by NYSDEC letter dated July 27, 2007.
- * Average daily flow as measured December 30, 2025 through January 22, 2026.

Table 2
January 22, 2026 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		Current Report	units	Prior Report
<i>EW-1</i>		1/22/2026		12/30/2025
	Pumping Rate	1.10	GPM	1.90
	Water Level Above Transducer	239	Inches	299
	Flow Meter Reading	NW	gallons	NW
<i>EW-2</i>				
	Pumping Rate	0.9	GPM	1.1
	Water Level Above Transducer	205	Inches	238
	Flow Meter Reading	NW	gallons	NW
<i>EW-3</i>				
	Pumping Rate	0.1	GPM	0.3
	Water Level Above Transducer	244	Inches	256
	Flow Meter Reading	NW	gallons	NW
<i>Air Stripper</i>				
	Stripper Blower Pressure	NW	inches H ₂ O	NW
<i>Effluent Flow</i>				
	Total System Meter Reading	78,988,059	gallons	78,911,379
	Average System Flow Since Prior Report	3,485	gpd	
		145.2	gph	
		2,420	gpm	
	Influent o-Chlorotoluene concentration	800	ug/L	
	Current period mass removal	0.232	kilograms	

Note: NA indicates Not Available.

NW - Not working

ug/L - micrograms per liter

ATTACHMENT E

August 2025 – February 2026 Influent/Effluent Monitoring Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2543828
Client:	Waste Management - Chem Trol 600 New Ludlow Rd South Hadley, MA 01075
ATTN:	Ryan Donovan
Phone:	(413) 275-1522
Project Name:	CHEMTROL FERROUS AND FERRIC
Project Number:	SPEC. FE II & III
Report Date:	07/29/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: CHEMTROL FERROUS AND FERRIC**Project Number:** SPEC. FE II & III**Lab Number:** L2543828**Report Date:** 07/29/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2543828-01	INFLUENT	GROUNDWATER	CHEMTROL LANDFILL	07/14/25 08:30	07/14/25
L2543828-02	EFFLUENT	GROUNDWATER	CHEMTROL LANDFILL	07/14/25 08:45	07/14/25

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Case Narrative (continued)

Iron, Ferrous

The WG2090637-4 MS recovery performed on L2543828-02 is outside the acceptance criteria for iron, ferrous (56%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 07/29/25

METALS

Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**SAMPLE RESULTS**

Lab ID: L2543828-01

Date Collected: 07/14/25 08:30

Client ID: INFLUENT

Date Received: 07/14/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst

Total Metals - Mansfield Lab

Iron, Total	4.97		mg/l	0.0500	--	1	07/23/25 15:12	07/28/25 21:58	EPA 3005A	1,6010D	MRP

General Chemistry - Westborough Lab

Iron, Ferric	4.4		mg/l	0.50	--	1		07/28/25 21:58	NA	107,-	



Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**SAMPLE RESULTS**

Lab ID: L2543828-02

Date Collected: 07/14/25 08:45

Client ID: EFFLUENT

Date Received: 07/14/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst

Total Metals - Mansfield Lab

Iron, Total	0.618		mg/l	0.0500	--	1	07/23/25 15:12	07/28/25 21:38	EPA 3005A	1,6010D	MRP

General Chemistry - Westborough Lab

Iron, Ferric	0.62		mg/l	0.50	--	1		07/28/25 21:38	NA	107,-	



Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2094144-1										
Iron, Total	ND		mg/l	0.0500	--	1	07/23/25 15:12	07/28/25 21:26	1,6010D	MRP

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis
Batch Quality Control**Project Name:** CHEMTROL FERROUS AND FERRIC**Project Number:** SPEC. FE II & III**Lab Number:** L2543828**Report Date:** 07/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2094144-2								
Iron, Total	102		-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2094144-3 QC Sample: L2543828-01 Client ID: INFLUENT												
Iron, Total	4.97	1	5.86	89		-	-		75-125	-		20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** CHEMTROL FERROUS AND FERRIC**Project Number:** SPEC. FE II & III**Lab Number:** L2543828**Report Date:** 07/29/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2094144-4 QC Sample: L2543828-01 Client ID: INFLUENT						
Iron, Total	4.97	4.80	mg/l	3		20

INORGANICS & MISCELLANEOUS

Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**SAMPLE RESULTS**

Lab ID: L2543828-01

Date Collected: 07/14/25 08:30

Client ID: INFLUENT

Date Received: 07/14/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Iron, Ferrous	0.55		mg/l	0.50	--	1	-	07/15/25 06:06	121,3500FE-B	DMO



Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**SAMPLE RESULTS**

Lab ID: L2543828-02

Date Collected: 07/14/25 08:45

Client ID: EFFLUENT

Date Received: 07/14/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Iron, Ferrous	ND		mg/l	0.50	--	1	-	07/15/25 06:06	121,3500FE-B	DMO



Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG2090637-1										
Iron, Ferrous	ND		mg/l	0.50	--	1	-	07/15/25 06:04	121,3500FE-B	DMO



Lab Control Sample Analysis
Batch Quality Control**Project Name:** CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG2090637-2								
Iron, Ferrous	97		-		90-110	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2090637-4 QC Sample: L2543828-02 Client ID: EFFLUENT												
Iron, Ferrous	ND	1	0.56	56	Q	-	-		80-120	-		20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** CHEMTROL FERROUS AND FERRIC**Project Number:** SPEC. FE II & III**Lab Number:** L2543828**Report Date:** 07/29/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2090637-3 QC Sample: L2543828-02 Client ID: EFFLUENT						
Iron, Ferrous	ND	ND	mg/l	NC		20

Project Name: CHEMTROL FERROUS AND FERRIC**Lab Number:** L2543828**Project Number:** SPEC. FE II & III**Report Date:** 07/29/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2543828-01A	Plastic 120ml unpreserved	NA	NA			Y	Absent		FERROUS(1)
L2543828-01B	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-TI(180)
L2543828-02A	Plastic 120ml unpreserved	NA	NA			Y	Absent		FERROUS(1)
L2543828-02B	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-TI(180)

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report



Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CHEMTROL FERROUS AND FERRIC
Project Number: SPEC. FE II & III

Lab Number: L2543828
Report Date: 07/29/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 107 Calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **28**Published Date: **07/25/2025**Page **1** of **2****Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1:** Hg. **EPA 245.7:** Hg.**SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

Pace® Location Requested (City/State): Westboro						CHAIN-OF-CUSTODY Analytical Request Document Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields							LAB USE ONLY- Affix Workorder/Login Label Here 2543828 Scan QR Code for instructions									
Company Name: Waste Management Street Address: 600 New Ludlow Road South Hadley, MA 01075						Contact/Report To: Ryan Donovan Phone #: 413-427-4432 E-Mail: edonovan@wm.com Cc E-Mail:																
Customer Project #: Project Name: Ferric/Ferrous						Invoice To: Ryan Donovan Invoice E-Mail: edonovan@wm.com (load to Coupa) Purchase Order # (if applicable): Quote #: WM account																
Site Collection Info/Facility ID (as applicable): WM Chemtrol						County / State origin of sample(s): NY																
Time Zone Collected: [] AK [] PT [] MT [] CT [X] ET						Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No																
Data Deliverables: [] Level II [] Level III [] Level IV [] EQUIS [] Other						Rush (Pre-approval required): [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other _____						Specify Container Size ** 10 3 Identify Container Preservative Type*** 1 2 Analysis Requested										
Date Results Requested:						Field Filtered (if applicable): [] Yes [] No Analysis:						**Container Size: (1) 1L, (2) 500ml, (3) 250ml, (4) 125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) TerraCore, (9) 90ml, (10) Other 125 ml ***Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thioculfate, (9) Ascorbic Acid, (10) MeOH, (11) Other										
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)												Proj. Mgr: Graham Parker® AcctNum / Client ID: WM-Chemtrol Table #: Profile / Template: Prelog / Bottle Ord. ID: Sample Comment										
Customer Sample ID				Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		FERRIC FEARIL									
						Date Time		Date Time			Results Units											
Influent				water	Grab			7/14/25 0830		2												
Effluent				water	Grab			7/14/25 0845		2												
Additional Instructions from Pace®:						Collected By: (Printed Name) Tom Urban Signature: Tom Urban						Customer Remarks / Special Conditions / Possible Hazards: # Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C) On Ice:										
Relinquished by/Company: Signature Tom Urban 1ARLOM				Date/Time: 7/14/25 @ 10:10		Received by/Company: Signature Graham Ferry (PACE)				Date/Time: 7/14/25 10:10		Tracking Number:										
Relinquished by/Company: Signature Graham Ferry (PACE)				Date/Time: 7/14/25 10:10		Received by/Company: Signature Buffalo Service Center				Date/Time: 7/14/25 10:10		Delivered by: [] In-Person [] Courier										
Relinquished by/Company: Signature Russell B. Bailey				Date/Time: 7/14-25 15:37		Received by/Company: Signature				Date/Time: 7/14 2300		[] FedEx [] UPS [] Other										
Relinquished by/Company: Signature				Date/Time: 7/19 0500		Received by/Company: Signature				Date/Time: 7/15 0300		Page: 1 of 1										

Site Name: ChemTrol

Site No. Int

HAP Code 999

GWL FIELD INFORMATION FORM

This Waste Management Field Information Form is Required. The Field Form is submitted along with the Chain-of-Custody Forms that accompany the sample containers (i.e., with the cooler that is returned to the site).

Laboratory Use Only / Lab I.D.:

WM

WASTE MANAGEMENT

Location ID	Sample Date MM/DD/YYYY	Sample Time 24 Hr Clock	pH (std. Units)	Temp °C/°F	Observations (odor, color, etc)
<u>Int</u>	<u>07/14/2025</u>	<u>0830</u>	<u>7.39</u>	<u>16.2 C</u>	<u>clear, slight odor</u>

Sample Point Comments:

pH meter S/N T311487089

Calibration

7.0 → 6.98

4.0 → 4.03

10.0 → 10.04

Weather Conditions:

cloudy, calm, 80°F

YIN

Was the field meter calibrated before collecting samples?

I certify that sampling procedures were in accordance with WM protocols (if more than one sampler, all should sign):

7/14/25

Tom Urban

Tom Urban

AECOM

Date

Name

Signature

Company

Page 27 of 29



Sample Delivery Group Summary

Pace Job Number : L2543828

Received : 14-JUL-2025

Reviewer : Ryan Morrissey

Account Name : Waste Management - Chem Trol

Project Number : SPEC. FE II & III

Project Name : CHEMTROL FERROUS AND FERRIC

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	4.7	
B	Absent/	Ice	4.0	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NA



ANALYTICAL REPORT

Lab Number:	L2558275
Client:	Waste Management - Chem Trol 600 New Ludlow Rd South Hadley, MA 01075
ATTN:	Ryan Donovan
Phone:	(413) 275-1522
Project Name:	CHEMTROL MONTHLY GROUNDWATER
Project Number:	WM CHEMTROL MONTH GW
Report Date:	10/01/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2558275-01	INFLUENT	GROUNDWATER	CHEMTROL LANDFILL	09/16/25 10:50	09/16/25
L2558275-02	EFFLUENT	GROUNDWATER	CHEMTROL LANDFILL	09/16/25 11:10	09/16/25
L2558275-03	TRIP BLANK	TRIP BLANK (AQUEOUS)	CHEMTROL LANDFILL	09/16/25 00:00	09/16/25

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics by Method 624

L2558275-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/01/25

ORGANICS

VOLATILES

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-01 D

Date Collected: 09/16/25 10:50

Client ID: INFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 09/18/25 11:51

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	900		ug/l	10	2.8	10
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			69		60-140	
Fluorobenzene			87		60-140	
4-Bromofluorobenzene			80		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-01 D

Date Collected: 09/16/25 10:50

Client ID: INFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 09/18/25 11:51

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	35		ug/l	15	4.0	10
Chlorobenzene	ND		ug/l	35	3.0	10
1,1,1-Trichloroethane	ND		ug/l	20	2.9	10
Benzene	ND		ug/l	10	3.8	10
Toluene	ND		ug/l	10	3.1	10
Chloroethane	23		ug/l	20	3.7	10
1,1-Dichloroethene	ND		ug/l	10	3.1	10
cis-1,2-Dichloroethene	2.8	J	ug/l	10	1.7	10
Trichloroethene	ND		ug/l	10	3.3	10
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	72			60-140		
Fluorobenzene	85			60-140		
4-Bromofluorobenzene	89			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-02

Date Collected: 09/16/25 11:10

Client ID: EFFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 09/18/25 12:23

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			66		60-140	
Fluorobenzene			87		60-140	
4-Bromofluorobenzene			82		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-02

Date Collected: 09/16/25 11:10

Client ID: EFFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 09/18/25 12:23

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	72			60-140		
Fluorobenzene	84			60-140		
4-Bromofluorobenzene	90			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-03

Date Collected: 09/16/25 00:00

Client ID: TRIP BLANK

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 128,624.1

Analytical Date: 09/18/25 12:56

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			69		60-140	
Fluorobenzene			87		60-140	
4-Bromofluorobenzene			81		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-03

Date Collected: 09/16/25 00:00

Client ID: TRIP BLANK

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 128,624.1

Analytical Date: 09/18/25 12:56

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	72			60-140		
Fluorobenzene	85			60-140		
4-Bromofluorobenzene	89			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 09/18/25 08:37
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2117025-4					
o-Chlorotoluene	ND		ug/l	5.0	0.28

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	75		60-140
Fluorobenzene	91		60-140
4-Bromofluorobenzene	74		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 09/18/25 08:37
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2117032-4					
1,1-Dichloroethane	ND		ug/l	5.0	0.40
Chlorobenzene	ND		ug/l	5.0	0.30
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29
Benzene	ND		ug/l	5.0	0.38
Toluene	ND		ug/l	5.0	0.31
Chloroethane	ND		ug/l	5.0	0.37
1,1-Dichloroethene	ND		ug/l	5.0	0.31
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17
Trichloroethene	ND		ug/l	5.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	78		60-140
Fluorobenzene	88		60-140
4-Bromofluorobenzene	82		60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2558275

Project Number: WM CHEMTROL MONTH GW

Report Date: 10/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2117025-3								
o-Chlorotoluene	90		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	77				60-140
Fluorobenzene	91				60-140
4-Bromofluorobenzene	75				60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2117032-3								
1,1-Dichloroethane	90		-		50-150	-		
Chlorobenzene	70		-		65-135	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	95		-		65-135	-		
Toluene	95		-		70-130	-		
Chloroethane	100		-		40-160	-		
1,1-Dichloroethene	85		-		50-150	-		
cis-1,2-Dichloroethene	80		-		60-140	-		
Trichloroethene	80		-		65-135	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	83				60-140
Fluorobenzene	88				60-140
4-Bromofluorobenzene	83				60-140

METALS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-01

Date Collected: 09/16/25 10:50

Client ID: INFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	1700		ug/l	50.0	9.00	1	09/19/25 01:45	09/30/25 13:31	EPA 3005A	19,200.7	MJR



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-02

Date Collected: 09/16/25 11:10

Client ID: EFFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	553.		ug/l	50.0	9.00	1	09/19/25 01:45	09/30/25 13:37	EPA 3005A	19,200.7	MJR



Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2558275

Project Number: WM CHEMTROL MONTH-

Report Date: 10/01/25

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2116804-1										
Iron, Total	ND		ug/l	50.0	9.00	1	09/19/25 01:45	09/23/25 20:04	19,200.7	TLD

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2558275

Project Number: WM CHEMTROL MONTH GW

Report Date: 10/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2116804-2								
Iron, Total	99		-		85-115	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG2116804-3			QC Sample: L2555226-01			Client ID: MS Sample			
Iron, Total	1360	1000	2270	91		-	-		75-125	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG2116804-7			QC Sample: L2555910-03			Client ID: MS Sample			
Iron, Total	ND	1000	972	97		-	-		75-125	-		

INORGANICS & MISCELLANEOUS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-01

Date Collected: 09/16/25 10:50

Client ID: INFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	ND		mg/l	4.0	NA	1	-	09/20/25 20:16	121,2540D	REM



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**SAMPLE RESULTS**

Lab ID: L2558275-02

Date Collected: 09/16/25 11:10

Client ID: EFFLUENT

Date Received: 09/16/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	ND		mg/l	4.0	NA	1	-	09/20/25 20:16	121,2540D	REM



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG2117486-1										
Solids, Total Suspended	ND		mg/l	1.0	NA	1	-	09/20/25 20:16	121,2540D	REM



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2558275

Project Number: WM CHEMTROL MONTH GW

Report Date: 10/01/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG2117486-2								
Solids, Total Suspended	107		-		80-120	-		

Lab Duplicate Analysis*Batch Quality Control***Project Name:** CHEMTROL MONTHLY GROUNDWATER**Project Number:** WM CHEMTROL MONTH GW**Lab Number:** L2558275**Report Date:** 10/01/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2117486-3 QC Sample: L2558573-01 Client ID: DUP Sample						
Solids, Total Suspended	120	140	mg/l	15		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2117486-4 QC Sample: L2558859-01 Client ID: DUP Sample						
Solids, Total Suspended	150	160	mg/l	6		32

Field Data Summary

Field Data Summary

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MK

Lab Number: L2558275
Report Date: 10/01/25

Parameter	Result	Units
Sample: L2558275-01 Client ID: INFLUENT		
Field, pH	7.31	std
Field, Temperature	14.1	c
Sample: L2558275-02 Client ID: EFFLUENT		
Field, pH	7.98	std
Field, Temperature	21.4	c

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 10/01/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2558275-01A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-01B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-01C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-01D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2558275-01E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2558275-02A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-02B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-02C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-02D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2558275-02E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2558275-03A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2558275-03C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2558275**Project Number:** WM CHEMTROL MONTH C**Report Date:** 10/01/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2558275
Report Date: 10/01/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2558275
Report Date: 10/01/25

Data Qualifiers

estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2558275
Report Date: 10/01/25

REFERENCES

- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **28**Published Date: **07/25/2025**Page **1** of **2****Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1:** Hg. **EPA 245.7:** Hg.**SM2340B**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

[illegible]

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Sample Delivery Group Summary

Pace Job Number : L2558275

Received : 16-SEP-2025

Reviewer : Julie Convery

Account Name : Waste Management - Chem Trol

Project Number : WM CHEMTROL MONTH GW

Project Name : CHEMTROL MONTHLY GROUNDWATER

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.4	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO



ANALYTICAL REPORT

Lab Number:	L2571475
Client:	Waste Management - Chem Trol 600 New Ludlow Rd South Hadley, MA 01075
ATTN:	Ryan Donovan
Phone:	(413) 275-1522
Project Name:	CHEMTROL MONTHLY GROUNDWATER
Project Number:	WM CHEMTROL MONTH GW
Report Date:	11/25/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2571475-01	INFLUENT	GROUNDWATER	TOWN OF HAMBURG, NY	11/11/25 10:30	11/11/25
L2571475-02	EFFLUENT	GROUNDWATER	TOWN OF HAMBURG, NY	11/11/25 10:00	11/11/25
L2571475-03	TRIP BLANK	TRIP BLANK (AQUEOUS)	TOWN OF HAMBURG, NY	11/11/25 00:00	11/11/25

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

The Effluent (L2571475-02) results are greater than the Influent (L2571475-01) results. The sample containers were verified as being labeled correctly by the laboratory.

Solids, Total Suspended

The Effluent (L2571475-02) result is greater than the Influent (L2571475-01) result. The sample containers were verified as being labeled correctly by the laboratory.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Tiffani Morrissey

Title: Technical Director/Representative

Date: 11/25/25

ORGANICS

VOLATILES

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-01 D
 Client ID: INFLUENT
 Sample Location: TOWN OF HAMBURG, NY

Date Collected: 11/11/25 10:30
 Date Received: 11/11/25
 Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater
 Analytical Method: 128,624.1
 Analytical Date: 11/16/25 13:42
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	25		ug/l	7.5	2.0	5
Chlorobenzene	ND		ug/l	18	1.5	5
1,1,1-Trichloroethane	ND		ug/l	10	1.4	5
Benzene	ND		ug/l	5.0	1.9	5
Toluene	ND		ug/l	5.0	1.6	5
Chloroethane	22		ug/l	10	1.8	5
1,1-Dichloroethene	1.5	J	ug/l	5.0	1.5	5
cis-1,2-Dichloroethene	2.6	J	ug/l	5.0	0.86	5
Trichloroethene	2.7	J	ug/l	5.0	1.7	5
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	101			60-140		
Fluorobenzene	92			60-140		
4-Bromofluorobenzene	103			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-01 D

Date Collected: 11/11/25 10:30

Client ID: INFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 11/16/25 13:42

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	950		ug/l	5.0	1.4	5
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			73		60-140	
Fluorobenzene			86		60-140	
4-Bromofluorobenzene			88		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-02

Date Collected: 11/11/25 10:00

Client ID: EFFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 11/16/25 14:13

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	92			60-140		
Fluorobenzene	88			60-140		
4-Bromofluorobenzene	102			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-02

Date Collected: 11/11/25 10:00

Client ID: EFFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 11/16/25 14:13

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			69		60-140	
Fluorobenzene			83		60-140	
4-Bromofluorobenzene			86		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-03

Date Collected: 11/11/25 00:00

Client ID: TRIP BLANK

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 128,624.1

Analytical Date: 11/16/25 14:45

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	97			60-140		
Fluorobenzene	90			60-140		
4-Bromofluorobenzene	105			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-03

Date Collected: 11/11/25 00:00

Client ID: TRIP BLANK

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 128,624.1

Analytical Date: 11/16/25 14:45

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			67		60-140	
Fluorobenzene			84		60-140	
4-Bromofluorobenzene			89		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 11/16/25 13:10
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2142593-4					
1,1-Dichloroethane	ND		ug/l	5.0	0.40
Chlorobenzene	ND		ug/l	5.0	0.30
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29
Benzene	ND		ug/l	5.0	0.38
Toluene	ND		ug/l	5.0	0.31
Chloroethane	ND		ug/l	5.0	0.37
1,1-Dichloroethene	ND		ug/l	5.0	0.31
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17
Trichloroethene	ND		ug/l	5.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	100		60-140
Fluorobenzene	89		60-140
4-Bromofluorobenzene	97		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 11/16/25 13:10
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG2142619-4					
o-Chlorotoluene	ND		ug/l	5.0	0.28

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	71		60-140
Fluorobenzene	84		60-140
4-Bromofluorobenzene	82		60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2571475

Project Number: WM CHEMTROL MONTH GW

Report Date: 11/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2142593-3								
1,1-Dichloroethane	90		-		50-150	-		
Chlorobenzene	80		-		65-135	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	95		-		65-135	-		
Toluene	115		-		70-130	-		
Chloroethane	100		-		40-160	-		
1,1-Dichloroethene	100		-		50-150	-		
cis-1,2-Dichloroethene	95		-		60-140	-		
Trichloroethene	100		-		65-135	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	112				60-140
Fluorobenzene	95				60-140
4-Bromofluorobenzene	94				60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2571475

Project Number: WM CHEMTROL MONTH GW

Report Date: 11/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG2142619-3								
o-Chlorotoluene	95		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	77				60-140
Fluorobenzene	87				60-140
4-Bromofluorobenzene	82				60-140

METALS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-01

Date Collected: 11/11/25 10:30

Client ID: INFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	2400		ug/l	50.0	9.00	1	11/17/25 13:01	11/24/25 19:07	EPA 3005A	19,200.7	LRS



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-02

Date Collected: 11/11/25 10:00

Client ID: EFFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	19500		ug/l	50.0	9.00	1	11/17/25 13:01	11/24/25 19:44	EPA 3005A	19,200.7	LRS



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH-**Report Date:** 11/25/25

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2142669-1										
Iron, Total	ND		ug/l	50.0	9.00	1	11/17/25 13:01	11/19/25 21:23	19,200.7	LRS

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2571475

Project Number: WM CHEMTROL MONTH GW

Report Date: 11/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2142669-2								
Iron, Total	100		-		85-115	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG2142669-3			QC Sample: L2571740-01			Client ID: MS Sample			
Iron, Total	303.	1000	1280	98		-	-		75-125	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG2142669-7			QC Sample: L2571964-01			Client ID: MS Sample			
Iron, Total	1180	1000	2300	112		-	-		75-125	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2142669-4 QC Sample: L2571740-01 Client ID: DUP Sample						
Iron, Total	303.	269	ug/l	12		20



INORGANICS & MISCELLANEOUS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-01

Date Collected: 11/11/25 10:30

Client ID: INFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	4.8		mg/l	4.0	NA	1	-	11/16/25 12:36	121,2540D	AEL



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**SAMPLE RESULTS**

Lab ID: L2571475-02

Date Collected: 11/11/25 10:00

Client ID: EFFLUENT

Date Received: 11/11/25

Sample Location: TOWN OF HAMBURG, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	49.		mg/l	8.0	NA	2	-	11/16/25 12:36	121,2540D	AEL



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG2142271-1										
Solids, Total Suspended	ND		mg/l	1.0	NA	1	-	11/16/25 12:36	121,2540D	AEL



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2571475

Project Number: WM CHEMTROL MONTH GW

Report Date: 11/25/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG2142271-2								
Solids, Total Suspended	88		-		80-120	-		

Lab Duplicate Analysis*Batch Quality Control***Project Name:** CHEMTROL MONTHLY GROUNDWATER**Project Number:** WM CHEMTROL MONTH GW**Lab Number:** L2571475**Report Date:** 11/25/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2142271-3 QC Sample: L2571757-01 Client ID: DUP Sample						
Solids, Total Suspended	110	110	mg/l	0		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2142271-4 QC Sample: L2572496-09 Client ID: DUP Sample						
Solids, Total Suspended	39.	42	mg/l	7		32

Field Data Summary

Field Data Summary

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MK

Lab Number: L2571475
Report Date: 11/25/25

Parameter	Result	Units
Sample: L2571475-01 Client ID: INFLUENT		
Field, pH	6.82	std
Field, Temperature	9.7	c
Sample: L2571475-02 Client ID: EFFLUENT		
Field, pH	7.79	std
Field, Temperature	8.2	c

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2571475**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 11/25/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2571475-01A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-01B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-01C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-01D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2571475-01E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2571475-02A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-02B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-02C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-02D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2571475-02E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2571475-03A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2571475-03B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2571475
Report Date: 11/25/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2571475
Report Date: 11/25/25

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2571475
Report Date: 11/25/25

Data Qualifiers

estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2571475
Report Date: 11/25/25

REFERENCES

- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **28**Published Date: **07/25/2025**Page **1** of **2****Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.**Nonpotable Water:** **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1:** Hg. **EPA 245.7:** Hg.**SM2340B**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 28

Department: **Quality Assurance**

Published Date: 07/25/2025

Title: **Certificate/Approval Program Summary**

Page 2 of 2

Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

Site Name:

ChemTasi

GWL FIELD INFORMATION FORM



Site No.

Inf

HAP Code

999

This Waste Management Field Information Form is Required. The Field Form is submitted along with the Chain-of-Custody Forms that accompany the sample containers (i.e., with the cooler that is returned to the site.

Laboratory Use Only / Lab I.D.:

FIELD DATA

Location ID

Inf

Sample Date
MM/DD/YYYY

11/11/2025

Sample Time
24 Hr Clock

1030

pH
(std. Units)

6.82

Temp
°C

9.7 C

Observations (odor, color, etc)

clear,
slight odor

Sample Point Comments:

pH meter SLN T311457089

calibration

4.0 → 3.98

7.0 → 6.97

10.0 → 10.02

Weather Conditions:

overcast, 32°F, windy

FIELD COMMENTS

Y N

Was the field meter calibrated before collecting samples?

I certify that sampling procedures were in accordance with WM protocols (if more than one sampler, all should sign):

11/11/2025

Date

Name

Tom Urbard

Signature

Tom Urbard

Company

AECOM

Page 41 of 44

Site Name:

Chem Trail

GWL FIELD INFORMATION FORM



Site No.

EFF

HAP Code

9 9 9

This Waste Management Field Information Form is

Required. The Field Form is submitted along with the Chain-of-Custody Forms that accompany the sample containers (i.e., with the cooler that is returned to the site.

Laboratory Use Only / Lab I.D.:

Location ID

EFF

Sample Date
MM/DD/YYYY

11/11/2025

Sample Time
24 Hr Clock

1000

pH
(std. Units)

7.79

Temp
°C/°F

08.2°C

Observations (odor, color, etc)

cloudy,
yellow/orange
color

FIELD DATA

Sample Point Comments:

pH meter SN T311487089

calibration

4.0 → 3.98

7.0 → 6.99

10.0 → 10.02

Weather Conditions:

overcast, windy, 32°F

FIELD COMMENTS



Was the field meter calibrated before collecting samples?

I certify that sampling procedures were in accordance with WM protocols (if more than one sampler, all should sign):

11/11/25

Date

TOM V. [Signature]

Name

Tom [Signature]

Signature

AECOM

Company



Sample Delivery Group Summary

Pace Job Number : L2571475

Received : 11-NOV-2025

Reviewer : Julie Convery

Account Name : Waste Management - Chem Trol

Project Number : WM CHEMTROL MONTH GW

Project Name : CHEMTROL MONTHLY GROUNDWATER

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.1	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO



ANALYTICAL REPORT

Lab Number:	L2582643
Client:	Waste Management - Chem Trol 600 New Ludlow Rd South Hadley, MA 01075
ATTN:	Ryan Donovan
Phone:	(413) 275-1522
Project Name:	CHEMTROL GROUNDWATER METALS
Project Number:	WM CHEMTROL MONTH GW
Report Date:	01/09/26

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2582643
Report Date: 01/09/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2582643-01	INFLUENT	GROUNDWATER	CHEMTROL LANDFILL	12/30/25 14:00	12/30/25
L2582643-02	EFFLUENT	GROUNDWATER	CHEMTROL LANDFILL	12/30/25 14:20	12/30/25

Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2582643
Report Date: 01/09/26

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2582643
Report Date: 01/09/26

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 01/09/26

METALS

Project Name: CHEMTROL GROUNDWATER METALS**Lab Number:** L2582643**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 01/09/26**SAMPLE RESULTS**

Lab ID: L2582643-01

Date Collected: 12/30/25 14:00

Client ID: INFLUENT

Date Received: 12/30/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	33600		ug/l	50.0	9.00	1	01/02/26 07:45	01/08/26 20:38	EPA 3005A	19,200.7	JNW



Project Name: CHEMTROL GROUNDWATER METALS**Lab Number:** L2582643**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 01/09/26**SAMPLE RESULTS**

Lab ID: L2582643-02

Date Collected: 12/30/25 14:20

Client ID: EFFLUENT

Date Received: 12/30/25

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	1320		ug/l	50.0	9.00	1	01/02/26 07:45	01/08/26 20:42	EPA 3005A	19,200.7	JNW



Project Name: CHEMTROL GROUNDWATER METALS**Lab Number:** L2582643**Project Number:** WM CHEMTROL MONTH-**Report Date:** 01/09/26

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2160884-1										
Iron, Total	ND		ug/l	50.0	9.00	1	01/02/26 07:45	01/08/26 19:42	19,200.7	JNW

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL GROUNDWATER METALS

Lab Number: L2582643

Project Number: WM CHEMTROL MONTH GW

Report Date: 01/09/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2160884-2								
Iron, Total	101		-		85-115	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2582643
Report Date: 01/09/26

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2160884-3 QC Sample: L2582421-01 Client ID: MS Sample												
Iron, Total	ND	1000	1020	102		-	-		75-125	-		

Field Data Summary

Field Data Summary

Project Name: CHEMTROL GROUNDWATER METALS

Project Number: WM CHEMTROL MK

Lab Number: L2582643

Report Date: 01/09/26

Parameter	Result	Units
Sample: L2582643-01 Client ID: INFLUENT		
Field, pH	6.52	std
Field, Temperature	7.2	c
Sample: L2582643-02 Client ID: EFFLUENT		
Field, pH	7.20	std
Field, Temperature	7.8	c

Project Name: CHEMTROL GROUNDWATER METALS**Lab Number:** L2582643**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 01/09/26**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2582643-01A	Plastic 250ml HNO3 preserved	NA	NA			Y	Absent		FE-UI-PPB(180)
L2582643-02A	Plastic 250ml HNO3 preserved	NA	NA			Y	Absent		FE-UI-PPB(180)

Project Name: CHEMTROL GROUNDWATER METALS**Lab Number:** L2582643**Project Number:** WM CHEMTROL MONTH C**Report Date:** 01/09/26

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH C

Lab Number: L2582643
Report Date: 01/09/26

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers



Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH C

Lab Number: L2582643
Report Date: 01/09/26

Data Qualifiers

estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CHEMTROL GROUNDWATER METALS
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2582643
Report Date: 01/09/26

REFERENCES

- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS.

Biological Tissue Matrix: EPA 3050B

PAS-MAN1 Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.

EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.

EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.

EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran, 1,3,5-Trichlorobenzene, Freon-113.

EPA 8270E: **NPW:** Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.

EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.

EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.

SM4500: **NPW:** Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH₃, NECi: NO₂, NO₃, ASTMD516.

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522, EPA 537.1.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1: Hg. **EPA 245.7:** Hg.

SM2340B

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water

EPA 300.0: NO₃, NO₂, FI, Cl, SO₄. **NECI Reductase:** NO₃, NO₂.

SM4500F-C, SM4500CI-B, ASTM D516, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.

EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water

SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500CI-B, ASTMD516, SM4500NH3-B, C, EPA 350.1, NECI: NO₃, SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500CI-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0: Cl, SO₄, NO₃.

EPA 624.1: Volatile Halocarbons, Volatile Aromatics.

EPA 608.3: Chlordane, Toxaphene, Aldrin, Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs.

EPA 625.1: SVOC-Acid Extractables and Base/Neutrals

Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028

CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

For a complete listing of analytes and methods, please contact your Project Manager.

Form content including headers, company information, analytical request details, sample data table, and tracking information.

WM
WASTE MANAGEMENT

Site Name: Chem Tool

Sample I.D. Inf

Sampling Method: D D - Direct Sampling Equipment: S D - Dipper S - Sample Bottle
I - Indirect T - Transfer Vessel O - Other _____
V - Visual

Sample Type: 6 Grab Composite (circle one)

Sample Date
MM/DD/YYYY

Sample
Time
24 Hr. Clock

pH
(std. Units)

CONDUCTIVITY
(umhos/cm @
25°C)

Temp
'C

TURBIDITY
(NTUs)

DO
mg/L -
ppm

eH/ORP
(std. Units)

12.130125	1408	6.52	—	7.2	—	—	—

Record final stabilized field readings.

Sample Appearance: _____ Odor: slight Color: orange h/c Other: _____

Sheen Present ☐ Y or ☒ N Foam Present: ☐ Y or ☒ N Floating Solids: ☐ Y or ☒ N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: 21 mph W, 23°, Snow Precipitation: ☒ Y or ☐ N

Specific Comments: _____

12/30/2025
Date

Colin Hennessy
Name


Signature

AECOM
Company

12/31/25 L2582643

FIELD INFORMATION FORM

Surface Water, Stormwater and Leachate



Laboratory Use Only / Lab I.D.:

Site Name: Chem TrlSample I.D. Eft

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: D D - Direct I - Indirect V - Visual
 Sampling Equipment: S D - Dipper T - Transfer Vessel S - Sample Bottle O - Other

Sample Type: G Grab / Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
12/30/2025	1420	7.20	—	7.8	—	—	—

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: none Color: clear Other: noneSheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: 21 mph W, 23° E, Snow Precipitation: Y or N

Specific Comments:

Date 12/30/25Name Colin HorvathSignature Colin HorvathCompany AFECOM

Chem 1701

Eff

999

Required. The Field Form is submitted along with the Chain-of-Custody Forms that accompany the sample containers (i.e., with the cooler that is returned to the site).

Observations (odor, color, etc)

Eff

1	2	3	0	2	0	2	5

1	4	2	0

17.20

17, 18

no odor / clear

FIELD DATA

PH meter SIN T111406064

Calibration

7.0-7 7.04

10.0 $\rightarrow$ 10.03

23°F, 21 mph W wind, snow

YN

Was the field meter calibrated before collecting samples?

I certify that sampling procedures were in accordance with WM protocols (if more than one sampler, all should sign):

l l

12, 30, 2025

Collin Horrocks

Carri Kern

AE Cam

Company



Sample Delivery Group Summary

Pace Job Number : L2582643

Received : 30-DEC-2025

Reviewer : Jessica Ramos

Account Name : Waste Management - Chem Trol

Project Number : WM CHEMTROL MONTH GW

Project Name : CHEMTROL GROUNDWATER METALS

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.7	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NA



ANALYTICAL REPORT

Lab Number:	L2604167
Client:	Waste Management - Chem Trol 600 New Ludlow Rd South Hadley, MA 01075
ATTN:	Ryan Donovan
Phone:	(413) 275-1522
Project Name:	CHEMTROL MONTHLY GROUNDWATER
Project Number:	WM CHEMTROL MONTH GW
Report Date:	02/05/26

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2604167-01	INFLUENT	GROUNDWATER	CHEMTROL LANDFILL	01/22/26 13:00	01/22/26
L2604167-02	EFFLUENT	GROUNDWATER	CHEMTROL LANDFILL	01/22/26 13:20	01/22/26
L2604167-03	TRIP BLANK	TRIP BLANK (AQUEOUS)	CHEMTROL LANDFILL	01/22/26 00:00	01/22/26

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics by Method 624

L2604167-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 02/05/26

ORGANICS

VOLATILES

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-01 D

Date Collected: 01/22/26 13:00

Client ID: INFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 01/24/26 14:38

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	27		ug/l	7.5	2.0	5
Chlorobenzene	ND		ug/l	18	1.5	5
1,1,1-Trichloroethane	2.2	J	ug/l	10	1.4	5
Benzene	ND		ug/l	5.0	1.9	5
Toluene	ND		ug/l	5.0	1.6	5
Chloroethane	16		ug/l	10	1.8	5
1,1-Dichloroethene	ND		ug/l	5.0	1.5	5
cis-1,2-Dichloroethene	3.1	J	ug/l	5.0	0.86	5
Trichloroethene	1.7	J	ug/l	5.0	1.7	5
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	100			60-140		
Fluorobenzene	97			60-140		
4-Bromofluorobenzene	90			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-01 D

Date Collected: 01/22/26 13:00

Client ID: INFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 01/24/26 14:38

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

o-Chlorotoluene	800		ug/l	5.0	1.4	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	107		60-140
Fluorobenzene	98		60-140
4-Bromofluorobenzene	104		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-02

Date Collected: 01/22/26 13:20

Client ID: EFFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 01/28/26 12:49

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	94			60-140		
Fluorobenzene	97			60-140		
4-Bromofluorobenzene	92			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-02

Date Collected: 01/22/26 13:20

Client ID: EFFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Analytical Method: 128,624.1

Analytical Date: 01/28/26 12:49

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			100		60-140	
Fluorobenzene			96		60-140	
4-Bromofluorobenzene			106		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-03
 Client ID: TRIP BLANK
 Sample Location: CHEMTROL LANDFILL

Date Collected: 01/22/26 00:00
 Date Received: 01/22/26
 Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)
 Analytical Method: 128,624.1
 Analytical Date: 01/24/26 13:35
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,1-Dichloroethane	ND		ug/l	5.0	0.40	1
Chlorobenzene	ND		ug/l	5.0	0.30	1
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29	1
Benzene	ND		ug/l	5.0	0.38	1
Toluene	ND		ug/l	5.0	0.31	1
Chloroethane	ND		ug/l	5.0	0.37	1
1,1-Dichloroethene	ND		ug/l	5.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17	1
Trichloroethene	ND		ug/l	5.0	0.33	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Pentafluorobenzene	97			60-140		
Fluorobenzene	95			60-140		
4-Bromofluorobenzene	91			60-140		

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-03

Date Collected: 01/22/26 00:00

Client ID: TRIP BLANK

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Trip Blank (Aqueous)

Analytical Method: 128,624.1

Analytical Date: 01/24/26 13:35

Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
o-Chlorotoluene	ND		ug/l	5.0	0.28	1
Surrogate			% Recovery	Qualifier	Acceptance Criteria	
Pentafluorobenzene			103		60-140	
Fluorobenzene			95		60-140	
4-Bromofluorobenzene			106		60-140	

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 01/24/26 09:19
 Analyst: JKH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG2169347-4					
1,1-Dichloroethane	ND		ug/l	5.0	0.40
Chlorobenzene	ND		ug/l	5.0	0.30
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29
Benzene	ND		ug/l	5.0	0.38
Toluene	ND		ug/l	5.0	0.31
Chloroethane	ND		ug/l	5.0	0.37
1,1-Dichloroethene	ND		ug/l	5.0	0.31
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17
Trichloroethene	ND		ug/l	5.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	104		60-140
Fluorobenzene	99		60-140
4-Bromofluorobenzene	95		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 01/24/26 09:19
 Analyst: JKH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG2169376-4					
o-Chlorotoluene	ND		ug/l	5.0	0.28

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	110		60-140
Fluorobenzene	99		60-140
4-Bromofluorobenzene	109		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 01/28/26 11:09
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2170285-4					
1,1-Dichloroethane	ND		ug/l	5.0	0.40
Chlorobenzene	ND		ug/l	5.0	0.30
1,1,1-Trichloroethane	ND		ug/l	5.0	0.29
Benzene	ND		ug/l	5.0	0.38
Toluene	ND		ug/l	5.0	0.31
Chloroethane	ND		ug/l	5.0	0.37
1,1-Dichloroethene	ND		ug/l	5.0	0.31
cis-1,2-Dichloroethene	ND		ug/l	5.0	0.17
Trichloroethene	ND		ug/l	5.0	0.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	93		60-140

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
 Analytical Date: 01/28/26 11:09
 Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG2170292-4					
o-Chlorotoluene	ND		ug/l	5.0	0.28

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	107		60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG2169347-3								
1,1-Dichloroethane	85		-		50-150	-		
Chlorobenzene	90		-		65-135	-		
1,1,1-Trichloroethane	90		-		70-130	-		
Benzene	95		-		65-135	-		
Toluene	95		-		70-130	-		
Chloroethane	100		-		40-160	-		
1,1-Dichloroethene	85		-		50-150	-		
cis-1,2-Dichloroethene	100		-		60-140	-		
Trichloroethene	95		-		65-135	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	102				60-140
Fluorobenzene	99				60-140
4-Bromofluorobenzene	99				60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG2169376-3								
o-Chlorotoluene	110		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	113				60-140
Fluorobenzene	99				60-140
4-Bromofluorobenzene	110				60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2170285-3								
1,1-Dichloroethane	95		-		50-150	-		
Chlorobenzene	95		-		65-135	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	105		-		65-135	-		
Toluene	100		-		70-130	-		
Chloroethane	110		-		40-160	-		
1,1-Dichloroethene	95		-		50-150	-		
cis-1,2-Dichloroethene	110		-		60-140	-		
Trichloroethene	100		-		65-135	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	104				60-140
Fluorobenzene	99				60-140
4-Bromofluorobenzene	100				60-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG2170292-3								
o-Chlorotoluene	125		-		60-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	104				60-140
Fluorobenzene	94				60-140
4-Bromofluorobenzene	111				60-140

METALS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-01

Date Collected: 01/22/26 13:00

Client ID: INFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	27700		ug/l	50.0	9.00	1	01/28/26 10:29	01/31/26 12:13	EPA 3005A	19,200.7	JNW



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-02

Date Collected: 01/22/26 13:20

Client ID: EFFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Iron, Total Recoverable	4380		ug/l	50.0	9.00	1	01/28/26 10:29	01/31/26 12:29	EPA 3005A	19,200.7	JNW



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH-**Report Date:** 02/05/26

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2169700-1										
Iron, Total	ND		ug/l	50.0	9.00	1	01/28/26 10:29	01/31/26 12:06	19,200.7	JNW

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2169700-2								
Iron, Total	97		-		85-115	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2169700-3 QC Sample: L2604167-01 Client ID: INFLUENT												
Iron, Total	27700	1000	28600	90		-	-		75-125	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
Report Date: 02/05/26

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG2169700-4 QC Sample: L2604167-01 Client ID: INFLUENT						
Iron, Total	27700	27600	ug/l	0		20



INORGANICS & MISCELLANEOUS

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-01

Date Collected: 01/22/26 13:00

Client ID: INFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	51.		mg/l	16	NA	4	-	01/23/26 17:38	121,2540D	REM



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**SAMPLE RESULTS**

Lab ID: L2604167-02

Date Collected: 01/22/26 13:20

Client ID: EFFLUENT

Date Received: 01/22/26

Sample Location: CHEMTROL LANDFILL

Field Prep: Not Specified

Sample Depth:

Matrix: Groundwater

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Total Suspended Solids	35.		mg/l	4.0	NA	1	-	01/23/26 17:38	121,2540D	REM



Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG2168567-1										
Solids, Total Suspended	ND		mg/l	1.0	NA	1	-	01/23/26 17:38	121,2540D	REM



Lab Control Sample Analysis **Batch Quality Control**

Project Name: CHEMTROL MONTHLY GROUNDWATER

Lab Number: L2604167

Project Number: WM CHEMTROL MONTH GW

Report Date: 02/05/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG2168567-2								
Solids, Total Suspended	98		-		80-120	-		

Lab Duplicate Analysis*Batch Quality Control***Project Name:** CHEMTROL MONTHLY GROUNDWATER**Project Number:** WM CHEMTROL MONTH GW**Lab Number:** L2604167**Report Date:** 02/05/26

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2168567-3 QC Sample: L2604139-01 Client ID: DUP Sample						
Solids, Total Suspended	220	220	mg/l	0		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG2168567-4 QC Sample: L2604140-01 Client ID: DUP Sample						
Solids, Total Suspended	200	220	mg/l	10		32

Field Data Summary

Field Data Summary

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MK

Lab Number: L2604167
Report Date: 02/05/26

Parameter	Result	Units
Sample: L2604167-01 Client ID: INFLUENT		
Field, pH	7.05	std
Field, Temperature	10.5	c
Sample: L2604167-02 Client ID: EFFLUENT		
Field, pH	7.46	std
Field, Temperature	9.3	c

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH GW**Report Date:** 02/05/26**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2604167-01A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-01B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-01C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-01D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2604167-01E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2604167-02A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-02B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-02C	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-02D	Plastic 250ml HNO3 preserved	NA	<2	<2		Y	Absent		FE-UI-PPB(180)
L2604167-02E	Plastic 950ml unpreserved	NA	NA			Y	Absent		TSS-2540-LOW(7)
L2604167-03A	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)
L2604167-03B	Vial Na2S2O3 preserved	NA	NA			Y	Absent		624.1(7)

Project Name: CHEMTROL MONTHLY GROUNDWATER**Lab Number:** L2604167**Project Number:** WM CHEMTROL MONTH C**Report Date:** 02/05/26

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH C

Lab Number: L2604167
Report Date: 02/05/26

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers



Project Name: CHEMTROL MONTHLY GROUNDWATER
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Data Qualifiers

estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: CHEMTROL MONTHLY GROUNDWATER
Project Number: WM CHEMTROL MONTH GW

Lab Number: L2604167
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REFERENCES

- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS.

Biological Tissue Matrix: EPA 3050B

PAS-MAN1 Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.

EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.

EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.

EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran, 1,3,5-Trichlorobenzene, Freon-113.

EPA 8270E: **NPW:** Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.

EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.

EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.

SM4500: **NPW:** Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH₃, NECi: NO₂, NO₃, ASTMD516.

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT.

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PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522, EPA 537.1.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1: Hg. **EPA 245.7:** Hg.

SM2340B

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water

EPA 300.0: NO₃, NO₂, FI, Cl, SO₄. **NECI Reductase:** NO₃, NO₂.

SM4500F-C, SM4500CI-B, ASTM D516, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.

EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water

SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500CI-B, ASTMD516, SM4500NH3-B, C, EPA 350.1, NECI: NO₃, SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500CI-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0: Cl, SO₄, NO₃.

EPA 624.1: Volatile Halocarbons, Volatile Aromatics.

EPA 608.3: Chlordane, Toxaphene, Aldrin, Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs.

EPA 625.1: SVOC-Acid Extractables and Base/Neutrals

Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

CT PH-0826, IL 200077, IN C-MA-03, KY KY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028

CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

For a complete listing of analytes and methods, please contact your Project Manager.

L2604167
WM – CHEMTROL




L2604167

Drop Off Acknowledgement Form

The following form needs to be completed when dropping off samples to a Pace Service Center. This will ensure samples are being directed to the correct Pace lab. If you are unsure which Pace lab will be analyzing the samples, we will hold the samples in the Service Center until the correct lab can be confirmed.

Date: 1122126	Time: 1415	Number of Coolers: 1
Contact Number: Jim Raczor		
Company: AECOM		
Pace Project Manager: Graham Parker		
Print Name: Colin Harrocks		Sign Name: 



Westborough



Fairfield



East Longmeadow



Ewing



Melville



Mansfield



Newburgh



Williamsport

Please check the correct box above and place this form with your Chain of Custody.

FIELD INFORMATION FORM

Surface Water, Stormwater



L2604167
WM - CHEMTROL

L2604167

Site Name: Chem-tral

Sample I.D. Int

Sampling Method & Equipment

Purge and Sample Equipment:

Sampling Method: ☐ D - Direct ☒ I - Indirect ☐ V - Visual
Sampling Equipment: ☒ S - Sample Bottle ☐ T - Transfer Vessel ☐ O - Other

Sample Type: ☒ G - Grab ☐ Composite (circle one)

Field Measurements

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
01/22/2026	1300	7.05	—	10.5	—	—	—

Record final stabilized field readings.

Field Observations

Sample Appearance: Odor: none Color: Slight Red Other: orange

Sheen Present ☐ or ☒ N Foam Present: ☐ or ☒ N Floating Solids: ☐ or ☒ N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: 27°, 18mph W Precipitation: ☒ Y or ☐ N Lt. snow

Specific Comments: PH meter SN - T311036085

PH 4 → 4.02

7 → 6.97

10 → 9.93

1/22/26
Date

Collin Homicks
Name

[Signature]
Signature

AE Corp
Company

FIELD INFORMATION FORMSurface Water, Stormwater and **L2604167****WM - CHEMTROL****WM**

L2604167

Site Name: Chem-DropSample I.D.: ELH**Sampling Method & Equipment**

Purge and Sample Equipment:

Sampling Method: D D - Direct I - Indirect V - Visual
Sampling Equipment: S D - Dipper T - Transfer Vessel S - Sample Bottle O - OtherSample Type: G Grab Composite (circle one)**Field Measurements**

Sample Date MM/DD/YYYY	Sample Time 24 Hr. Clock	pH (std. Units)	CONDUCTIVITY (umhos/cm @ 25°C)	Temp °C	TURBIDITY (NTUs)	DO mg/L - ppm	eH/ORP (std. Units)
01/22/2026	1320	7.46	—	9.3	—	—	—

Record final stabilized field readings.

Field ObservationsSample Appearance: Odor: none Color: clear Other: noneSheen Present Y or N Foam Present: Y or N Floating Solids: Y or N

Weather Conditions: (required daily, or as conditions change):

Direction/Speed: 27°, 18mph W Precipitation: Y or N Light SnowSpecific Comments: pH meter SN-T311036085pH 4 → 4.027 → 6.9710 → 9.93

Date

1/22/26

Name

Colin Horvath

Signature

[Signature]

Company

AECOM



Sample Delivery Group Summary

Pace Job Number : L2604167

Received : 22-JAN-2026

Reviewer : Samira Sampaio

Account Name : Waste Management - Chem Trol

Project Number : WM CHEMTROL MONTH GW

Project Name : CHEMTROL MONTHLY GROUNDWATER

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.8	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

ATTACHMENT F

Historical Groundwater Monitoring Data Trend Plots

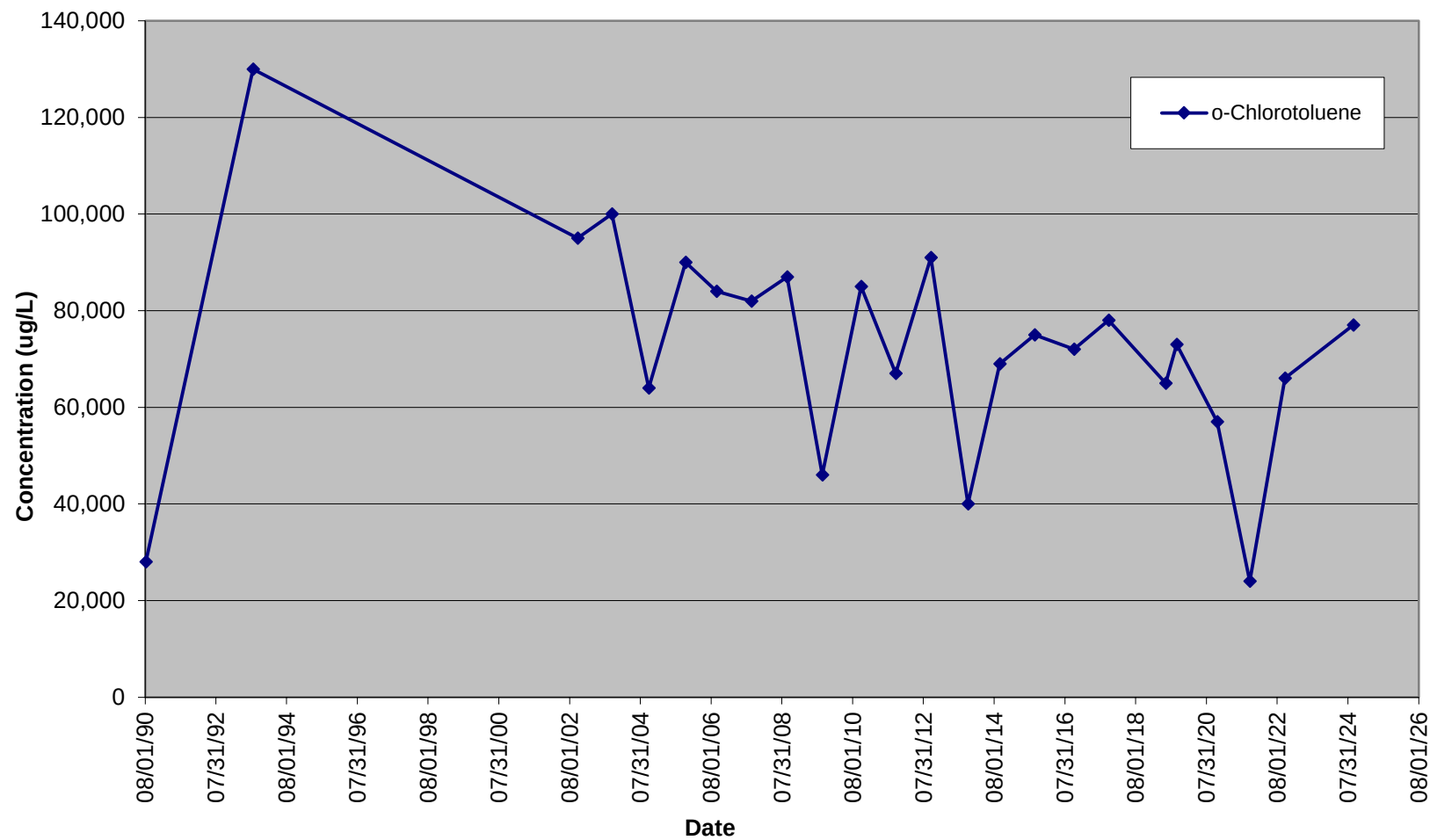
CHEM-TROL SITE

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

Date	o-Chlorotoluene
08/09/90	28,000
08/19/93	130,000
10/23/02	95,000
10/13/03	100,000
10/26/04	64,000
11/11/05	90,000
09/27/06	84,000
09/20/07	82,000
09/24/08	87,000
09/22/09	46,000
10/27/10	85,000
10/20/11	67,000
10/17/12	91,000
11/05/13	40,000
09/29/14	69,000
09/23/15	75,000
11/02/16	72,000
10/25/17	78,000
06/07/19	65,000
09/30/19	73,000
11/20/20	57,000
10/22/21	24,000
10/20/22	66,000
09/25/24	77,000

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

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



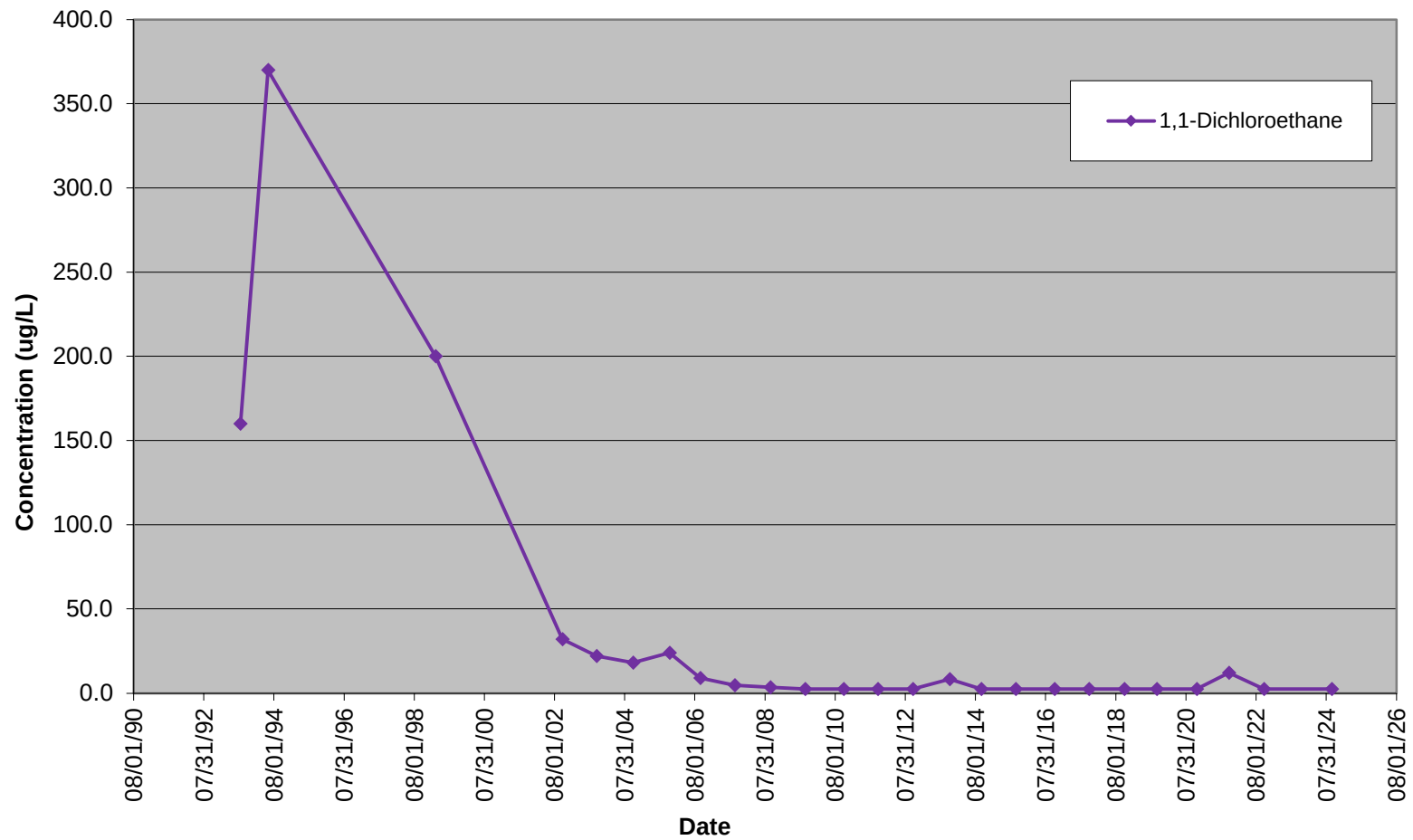
CHEM-TROL SITE

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

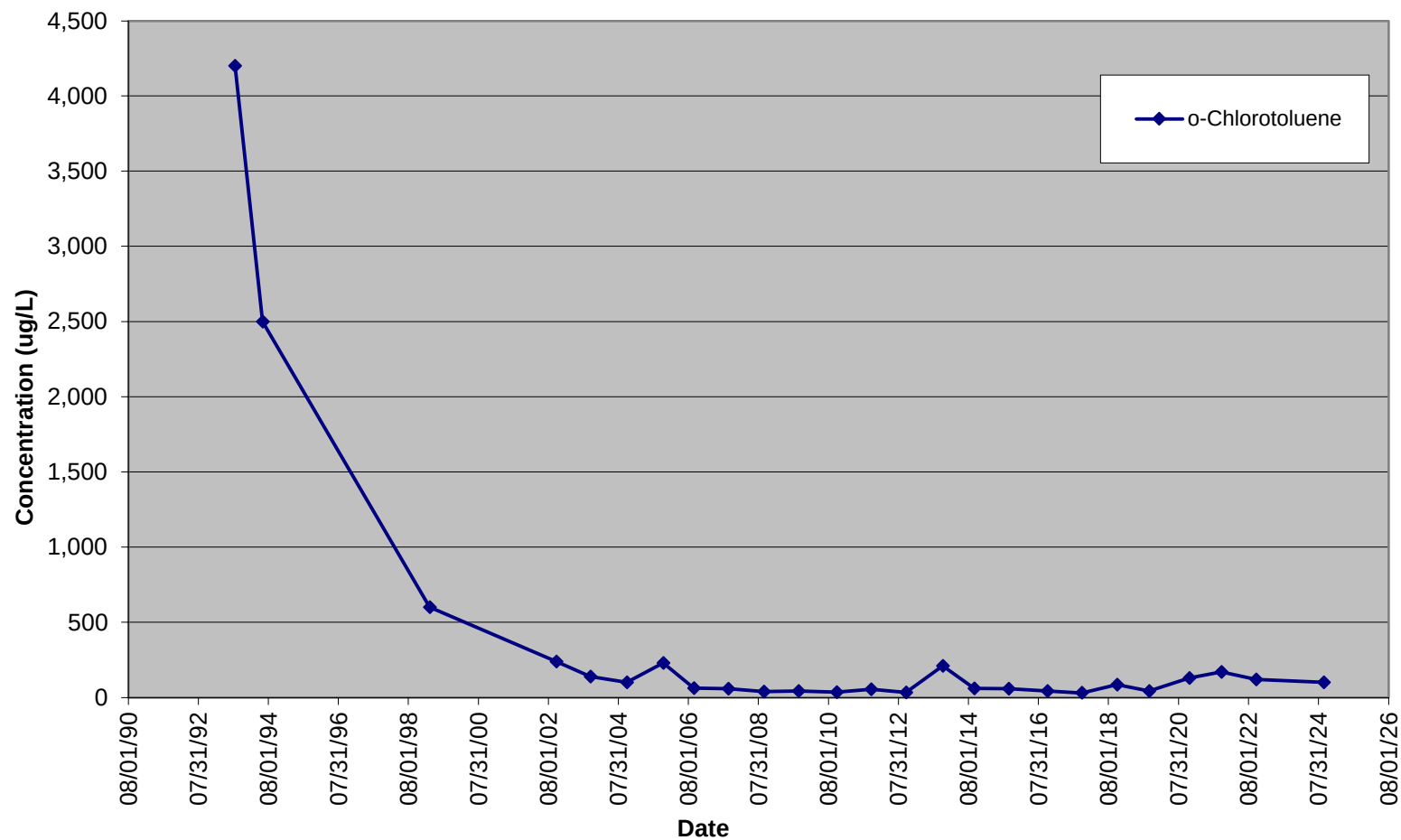
Date	1,1-Dichloroethane	o-Chlorotoluene
08/16/93	160.0	4,200
06/01/94	370.0	2,500
03/10/99	200.0	600.0
10/22/02	32.0	240.0
10/13/03	22.0	140.0
10/26/04	18.0	100.0
11/11/05	24.0	230.0
09/27/06	8.9	63.0
09/20/07	4.7	58.0
09/24/08	3.4	40.0
09/22/09	2.5	43.0
10/27/10	2.5	35.0
10/20/11	2.5	55.0
10/17/12	2.5	34.0
11/05/13	8.2	210.0
09/29/14	2.5	61.0
09/23/15	2.5	59.0
11/02/16	2.5	44.0
10/25/17	2.5	31.0
10/30/18	2.5	85.0
09/30/19	2.5	44.0
11/20/20	2.5	130.0
10/22/21	12.0	170.0
10/20/22	2.5	120.0
09/25/24	2.5	100.0

 Value is equal to 1/2 the detection limit.

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



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



CHEM-TROL SITE

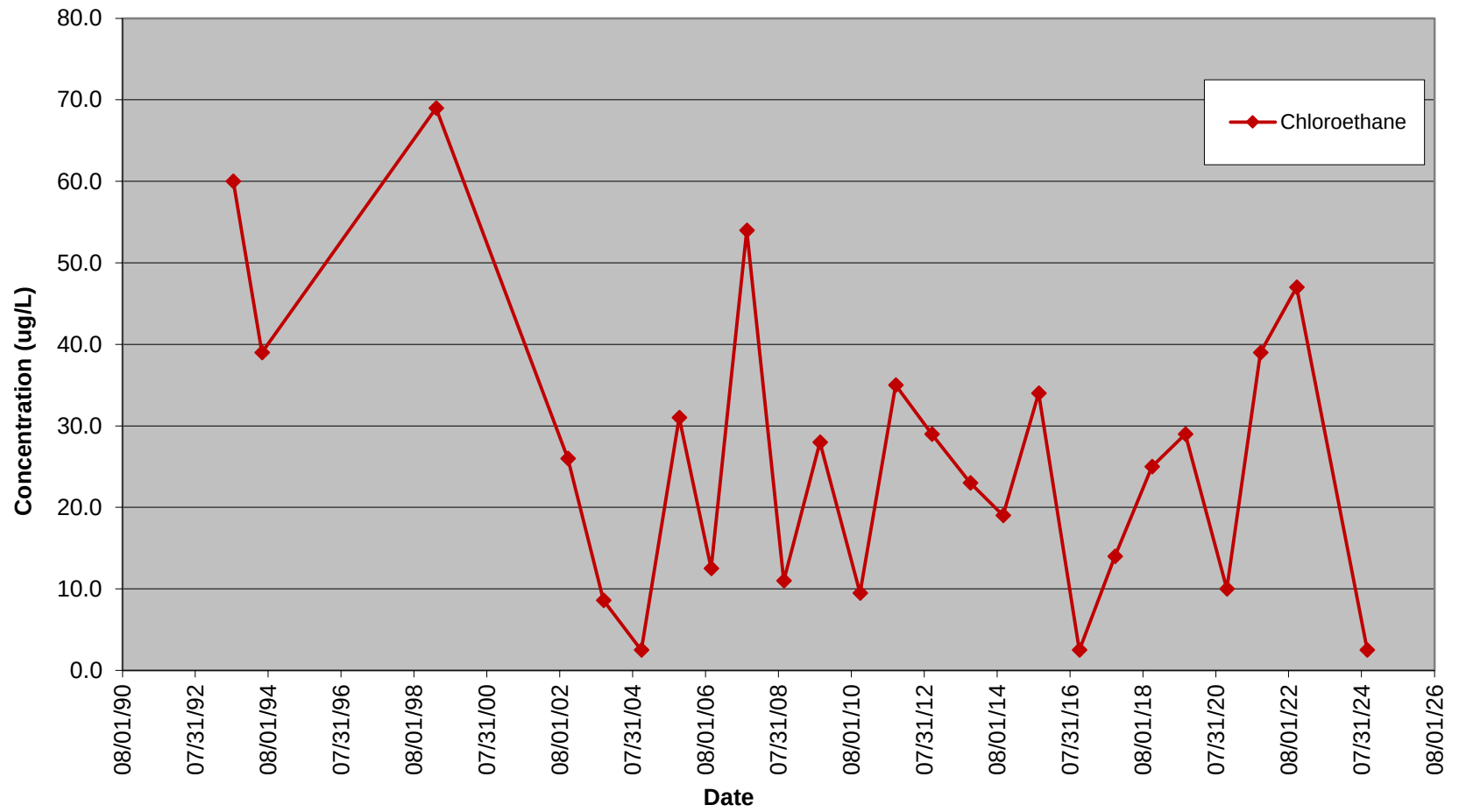
Groundwater Analytical Data for Well MW-9R (ug/L)

Date	Chloroethane	1,1-Dichloroethane	o-Chlorotoluene	1,1,1-Trichloroethane	Trichloroethene
08/16/93	60.0	1,000		1,300	330.0
06/01/94	39.0	860.0	620.0	2,800	300.0
03/10/99	69.0	470.0	180.0	630.0	260.0
10/22/02	26.0	190.0	1,100	540.0	8.2
10/13/03	8.6	93.0	140.0	460.0	10.0
10/26/04	2.5	2.5	2.5	2.5	2.5
11/11/05	31.0	180.0	190.0	410.0	2.4
09/27/06	12.5	46.0	18.0	440.0	12.5
09/20/07	54.0	270.0	2,000	1,800	5.1
09/24/08	11.0	64.0	62.0	170.0	0.68
09/22/09	28.0	85.0	33.0	300.0	2.5
10/27/10	9.5	93.0	100.0	310.0	2.5
10/20/11	35.0	140.0	150.0	250.0	
10/17/12	29.0	150.0	380.0	410.0	
11/05/13	23.0	82.0	97.0	220.0	2.5
09/29/14	19.0	300.0	860.0	540.0	7.1
09/23/15	34.0	350.0	1900.0	530.0	2.5
11/02/16	2.5	31.0	38.0	82.0	2.5
10/25/17	14.0	410.0	2100.0	640.0	2.5
10/30/18	25.0	130.0	40.0	150.0	2.5
09/30/19	29.0	89.0	39.0	200.0	2.5
11/20/20	10.0	120.0	2.5	200.0	2.5
10/22/21	39.0	240.0	2.5	130.0	2.5
10/20/22	47.0	300.0	2.5	150.0	2.5
09/25/24	2.5	71.0	2.5	160.0	2.5

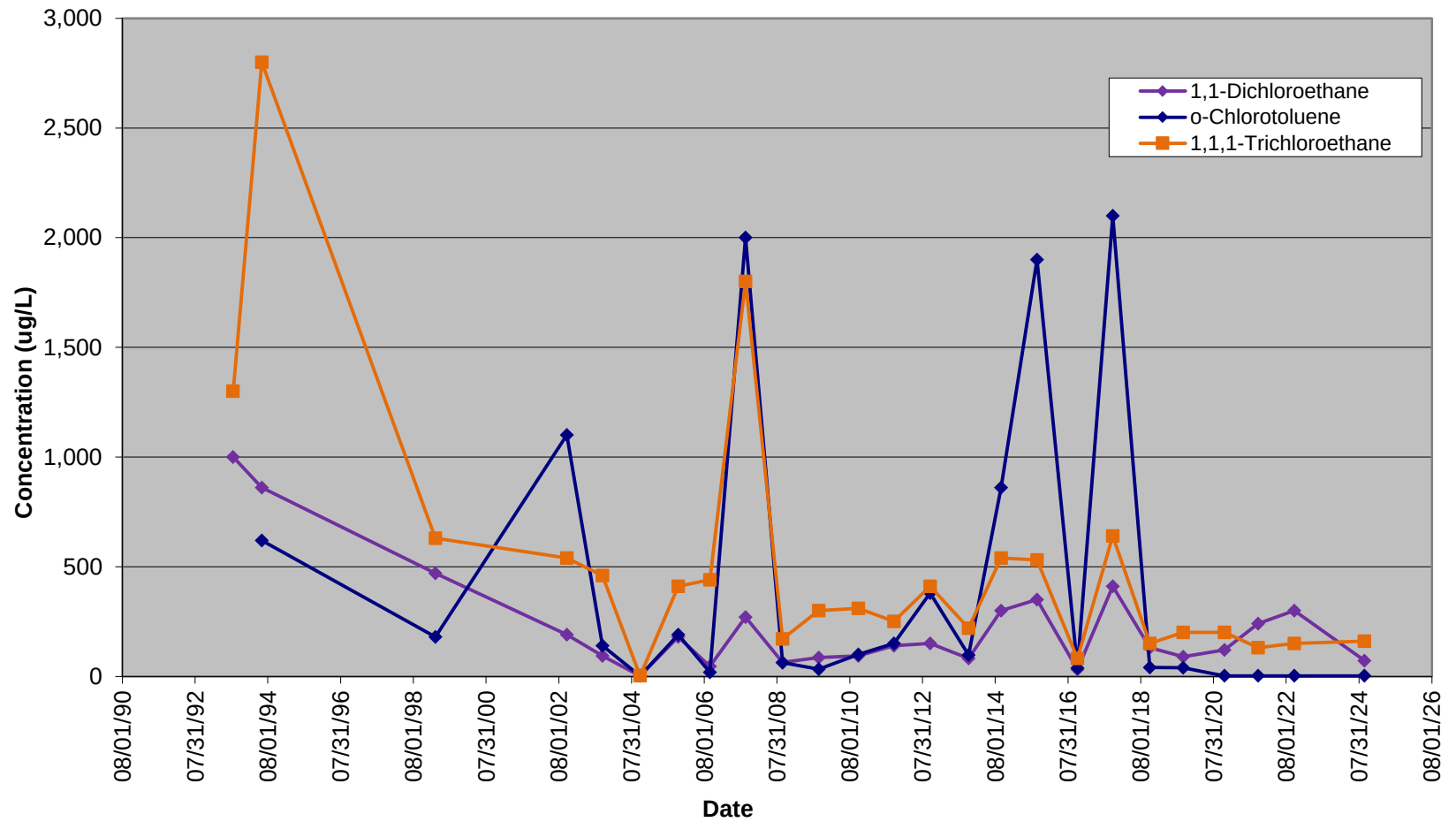
Data not included due to 1/2 the detection limit being higher than the previous 3 years of positive results.

Value is equal to 1/2 the detection limit.

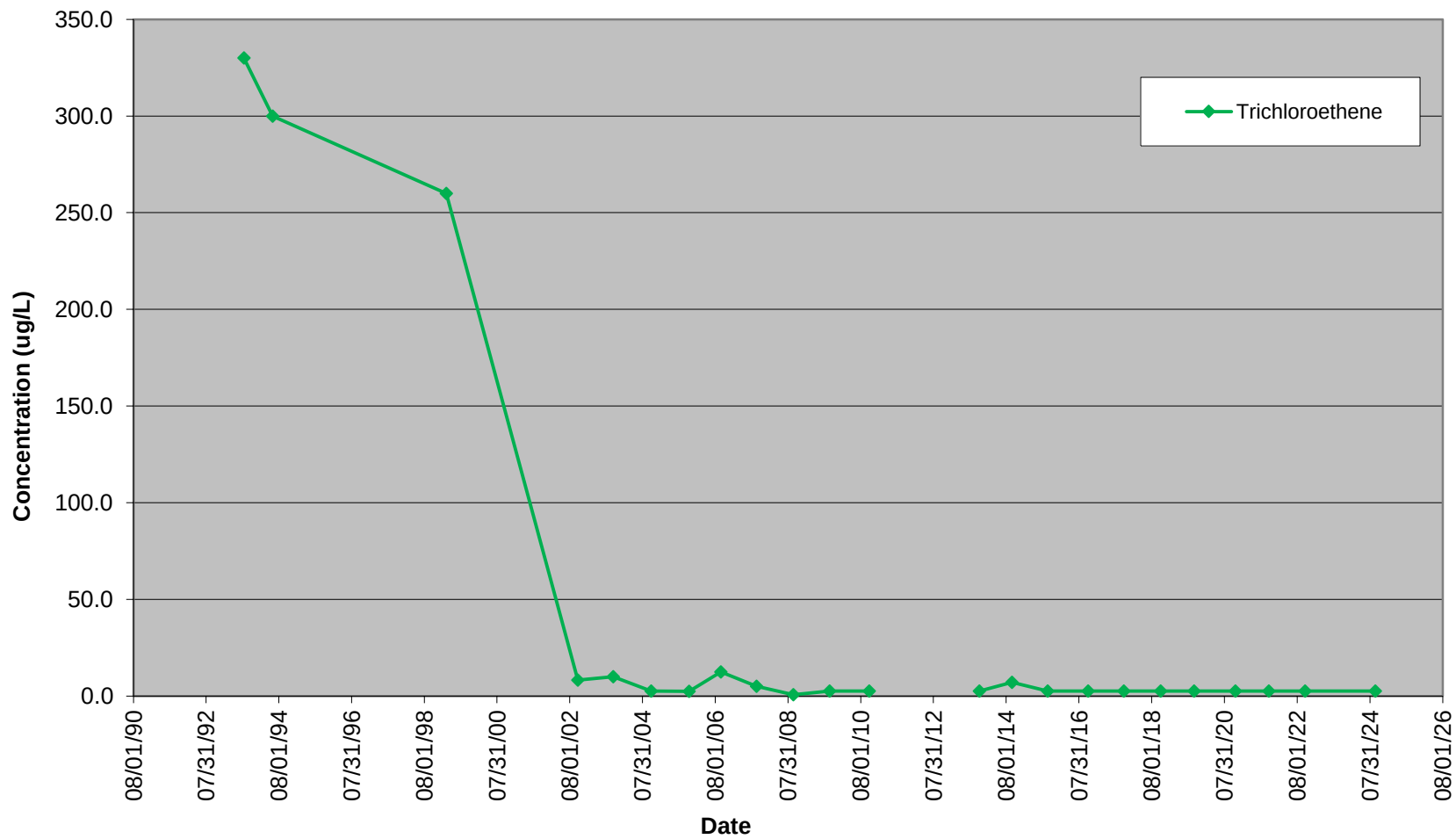
Monitoring Well MW-9R
Chem-Trol Site, Site No. 915015



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



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



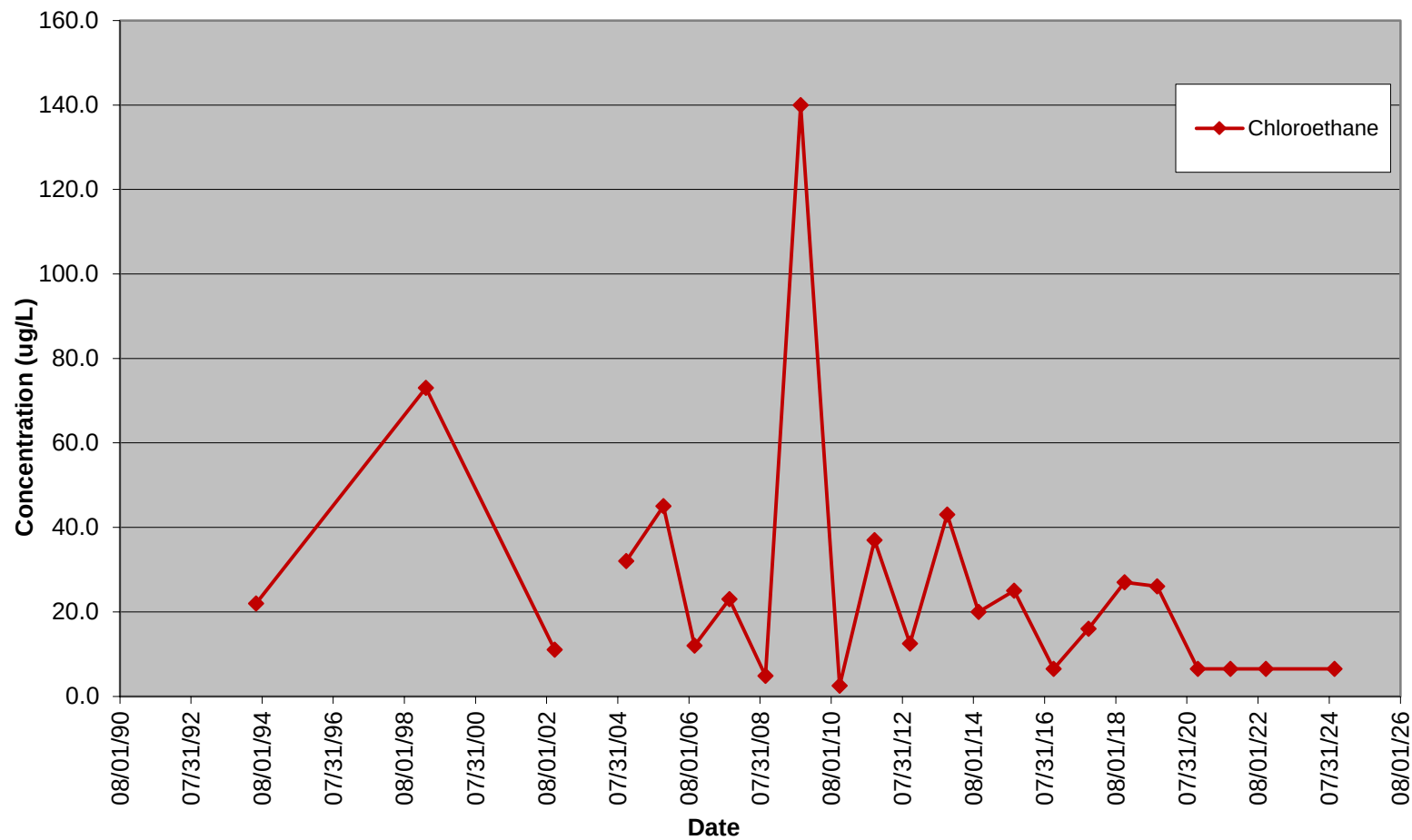
CHEM-TROL SITE

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

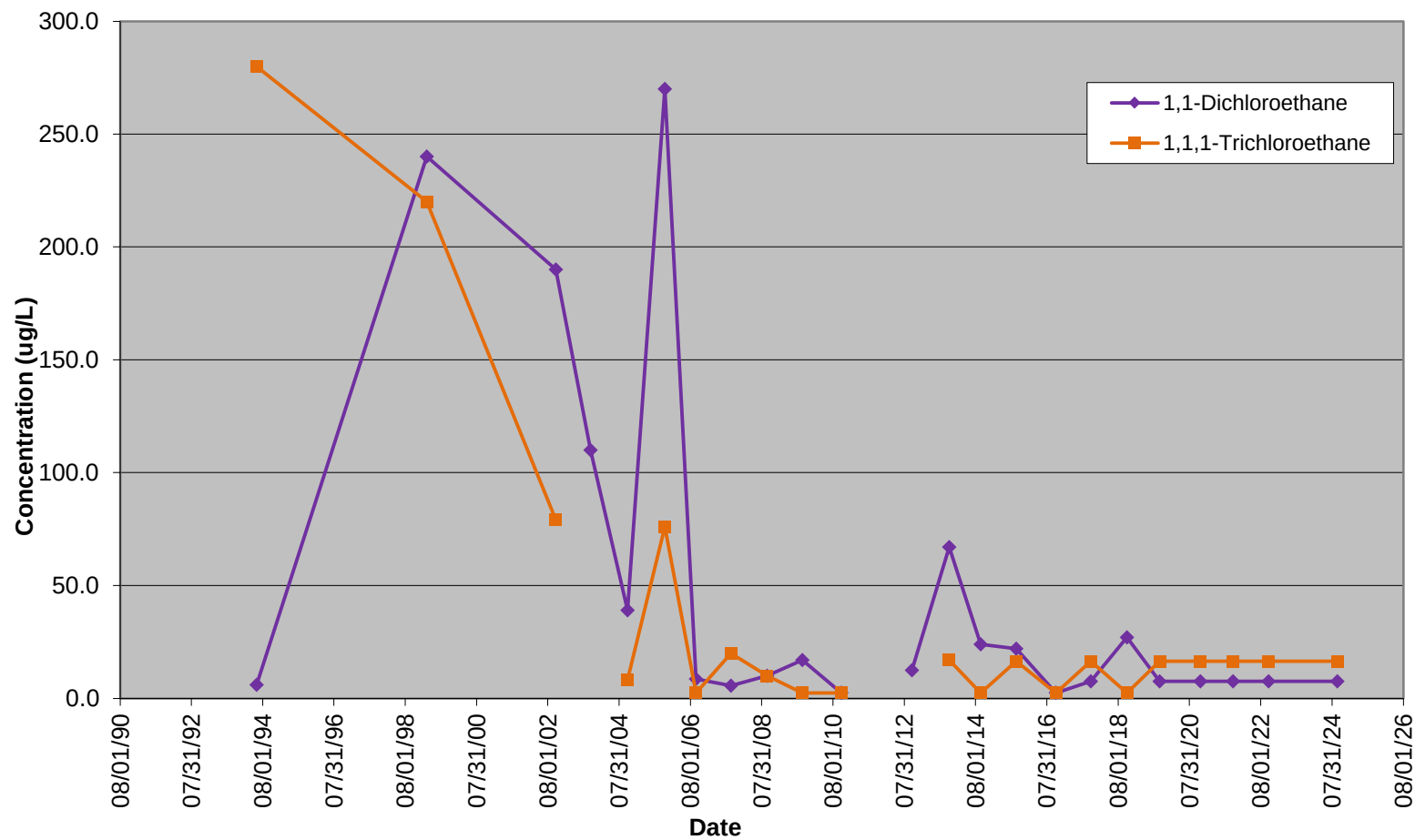
Date	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane	o-Chlorotoluene
05/31/94	22.0	6.0	280.0	1,700
03/11/99	73.0	240.0	220.0	
10/22/02	11.0	190.0	79.0	4,200
10/13/03		110.0		4,500
10/26/04	32.0	39.0	8.2	1,900
11/11/05	45.0	270.0	76.0	4,900
09/27/06	12.0	8.6	2.5	680.0
09/20/07	23.0	5.6	20.0	440.0
09/24/08	4.8	10.0	10.0	250.0
09/22/09	140.0	17.0	2.5	600.0
10/27/10	2.5	2.5	2.5	210.0
10/20/11	37.0			820.0
10/17/12	12.5	12.5		410.0
11/05/13	43.0	67.0	17.0	2,500
09/24/14	20.0	24.0	2.5	2,000
09/23/15	25.0	22.0	16.5	3200
11/02/16	6.5	2.5	2.5	1200
10/25/17	16.0	7.5	16.5	2000
10/30/18	27.0	27.0	2.5	2300
09/30/19	26.0	7.5	16.5	2500
11/20/20	6.5	7.5	16.5	1100
10/22/21	6.5	7.5	16.5	1700
10/20/22	6.5	7.5	16.5	1600
09/25/24	6.5	7.5	16.5	1400

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

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



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



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

