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SUBMITTED VIA ELECTRONIC MAIL

February 10, 2017

Mr. Brian Sadowski
New York State Department of Environmental Conservation
Region 9
270 Michigan Avenue
Buffalo, NY 14203

Subject: 2016 Periodic Review Report – Groundwater Remediation Program
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Sadowski,

On behalf of Elm Holdings Inc., AECOM Technical Services, Inc. (AECOM) is pleased to provide the attached 2016 Periodic Review Report for the Groundwater Remediation Program at the subject facility (Site). This report is issued in accordance with the October 1991 Record of Decision, the December 1991 Order on Consent, the December 1993 "Addendum to the Remedial Design/Remedial Action Work Plan," and the April 2015 revision of the Site's Operations, Monitoring, and Maintenance Manual. The report covers remedial activities at the Site from January 1, 2016 through December 31, 2016. The Institutional and Engineering Controls Certification Form is included as Appendix A of the report. December 2016 groundwater monitoring data in EQuIS format will be submitted separately.

Please feel free to contact me via e-mail or at (716) 923-1300 if you have any questions regarding this submittal.

Sincerely yours,

James L. Kaczor

James L. Kaczor, PG
Sanborn Site Task Leader
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Attachment

cc: G. May – NYSDEC (electronic copy)
M. Forcucci – NYSDOH (electronic copy)
K. Anders – NYSDOH (electronic copy)
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K. Scott – Metaullics (electronic copy)
R. Locey – NYSDEC (electronic copy)
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Project File 60481767/Sanborn

AECOM Environment

Prepared by:
AECOM
Buffalo, NY
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February 9, 2017

2016 Periodic Review Report Groundwater Remediation Program Former Carborundum Facility, 2040 Cory Drive, Sanborn, NY NYSDEC Site No. 932102

Submitted to:

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
270 Michigan Avenue
Buffalo, NY 14203

On behalf of:

Elm Holdings Inc.

AECOM Environment

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2016 Periodic Review Report Groundwater Remediation Program Former Carborundum Facility, 2040 Cory Drive, Sanborn, NY NYSDEC Site No. 932102

Submitted to:

New York State Department of Environmental Conservation

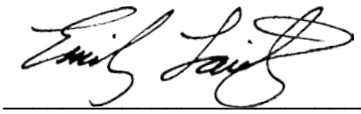
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270 Michigan Avenue

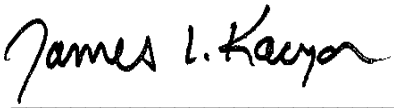
Buffalo, NY 14203

On behalf of:

Elm Holdings Inc.



Prepared By Emily Laity



Reviewed By James L. Kaczor, P.G.

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List of Acronyms

AWQS	ambient water quality standard
BOD	biological oxygen demand
COC	chain-of-custody records
DCA	dichloroethane
DCE	dichloroethene
DMR	discharge monitoring report
GPM	gallons per minute
GRS	groundwater remediation system
HASP	Health and Safety Plan
IC/EC	Institutional and Engineering Control
LCS	laboratory control sample
MS/MSD	matrix spike/matrix spike duplicate
MDL	method detection limit
µg/L	microgram per liter
mg/L	milligrams per liter
MNA	monitored natural attenuation
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operations, Monitoring, and Maintenance
PID	photoionization detector
ppm	parts per million
PPE	personal protective equipment
PRR	Periodic Review Report
QA/QC	quality assurance/quality control
RL	reporting limit

ROD	Record of Decision
SMP	Site Management Plan
SOP	standard operating procedure
SPDES	State Pollutant Discharge Elimination System
S.U.	standard units
TAL	TestAmerica Laboratories
TCA	trichloroethane
TCE	trichloroethene
TOR	Top of Rock bedrock zone
VC	vinyl chloride
VOC	volatile organic compound
VWCC	vault water collection and conveyance

1.0 Introduction

On behalf of Elm Holdings Inc., AECOM Technical Services, Inc. (AECOM) is submitting this 2016 Periodic Review Report (PRR) along with a completed Institutional Controls and Engineering Controls (IC/EC) Certification Form (Appendix A) summarizing ongoing Operations, Monitoring, and Maintenance (OM&M) activities for the groundwater remediation system (GRS) at the former Carborundum Facility located at 2040 Cory Drive in the Village of Sanborn, Town of Wheatfield, New York (Site), New York State Department of Environmental Conservation (NYSDEC) Site No. 932102. This report is being submitted as requested by NYSDEC in its letter dated November 29, 2016 to Mr. Randal Coil. The letter provides guidance for preparing the PRR and IC/EC Certification Form and requires that they be submitted to NYSDEC no later than February 10, 2017. Ongoing OM&M activities included GRS operations, waste handling activities, permit issues, sampling, and analysis.

As communicated to NYSDEC in a Notice of Change letter dated February 26, 2016, Elm Holdings Inc. has retained AECOM to manage the remediation at the above referenced site, effective March 1, 2016. In accordance with the new contractual arrangement between Elm Holdings Inc. and AECOM, AECOM has assumed primary accountability for the site, including managing communications and regulatory program submissions with NYSDEC.

OM&M of the Site prior to March 1, 2016 was provided by Parsons. This report presents a summary of the OM&M activities completed between January 1 and December 31, 2016 by Parsons (through February 29) and AECOM (March 1 through December 31).

Figure 1 shows the Project Location Plan and Figure 2 shows the Site Plan. The Site property is comprised of four parcels totaling approximately 40 acres. Currently, there is a manufacturing facility (Pyrotek, Inc. doing business as Pyrotek and a subsidiary business Metaullics, Inc.) with some associated administrative buildings. Construction of the most recent addition to the manufacturing facilities on the northernmost parcel was completed in November 2011. The majority of land immediately adjacent to the property is used for agricultural purposes. Private residences border the property along the western boundary of the Site. Surface topography generally slopes to the south toward the Niagara River. Surface water from the paved areas of the Site is collected by Metaullics' sewer system.

The volatile organic compounds (VOC) trichloroethene (TCE) and 1,1,1-trichloroethane (TCA), which were previously released to the environment during operations at the manufacturing facility, are being addressed under the direction of NYSDEC under a 1991 Order on Consent and associated modifications. TCE and its primary breakdown constituents, cis-1,2 dichloroethene (DCE) and vinyl chloride (VC), are present at select locations in the groundwater.

The 1991 Record of Decision (ROD) selected soil vapor extraction for soil and groundwater remediation through permitted recovery and treatment. The recovery and treatment systems are operated with the goal of preventing off-site migration of dissolved VOCs.

The GRS began operation in mid-1993 and treats groundwater using air stripping technology and an activated carbon polish. The GRS is operated with goals to provide onsite hydraulic containment and to prevent offsite migration of groundwater containing dissolved VOCs. Post-treatment water is

discharged via a NYSDEC permitted State Pollutant Discharge Elimination System (SPDES) outfall to Cayuga Creek. Weekly discharge compliance samples are collected and analyzed in compliance with the SPDES permit. In 2016, the GRS continued to treat extracted groundwater and discharge the treated water to the permitted SPDES outfall.

A soil vapor extraction system was operated in conjunction with the GRS until 2001 and was subsequently decommissioned by 2007. In 2001, per discussions with NYSDEC, the recovery wells were reconfigured to extract groundwater from a shallower depth, focusing on the zones immediately at the top of bedrock and below the top of bedrock (Zone 1). Additional deeper bedrock Zones 2, 3, 4, and 5 were found to be less impacted and suitable for monitored natural attenuation (MNA). This reconfiguration reduced the volume of groundwater extracted, the flow through the treatment system, and focused capture of groundwater in the source area(s) and allowed deeper, less contaminated zones to be monitored for natural attenuation.

Sumps contained within three vaults in the Metaullics facility were connected to the GRS in 2012. The vault water collection and conveyance (VWCC) system was brought online on June 12, 2012.

Quarterly groundwater sampling began in 1988. In October 2005, NYSDEC agreed to revise the groundwater sampling program and reduce the number of groundwater samples collected on an annual basis. The January 2016 quarterly and December 2016 semi-annual groundwater sampling events represented the 112th and 113th monitoring events since periodic groundwater sampling began.

In February 2016, NYSDEC requested that an updated groundwater monitoring program be developed. In October 2016, an updated groundwater monitoring program including transition to a semi-annual program was presented to NYSDEC. The proposed program was conditionally approved in November 2016 and was initiated in December 2016.

2.0 Groundwater Remediation System

During 2016, operation of the GRS remained focused on onsite groundwater hydraulic containment and the prevention of off-site migration of groundwater containing dissolved VOCs at concentrations above action levels. The GRS continued to extract, treat, and discharge the treated water to the SPDES outfall. The following sections summarize the GRS operation, maintenance, and performance in 2016, and discuss its effectiveness, as well as planned future activities.

2.1 Operations, Monitoring, and Maintenance

In 2016, Parsons (through February 29, 2016) and AECOM (March 1 through December 31, 2016) conducted OM&M activities on GRS extraction wells P-2, P-3, P-4, PW-1, and PW-3, the three vault sumps in the VWCC, and the GRS treatment system. Table 1 provides the recovery well specifications (e.g., target water levels and on/off set points) used during the year. With operation of the VWCC, recovery well PW-4 was not operated in 2016.

The goals of the OM&M activities for the GRS were to maintain pumping at a rate necessary to achieve hydraulic control, and to maintain the treatment system to meet permitted treatment requirements. Routine OM&M activities included weekly / monthly / quarterly system inspections, routine maintenance, monitoring, sampling, system and equipment repairs, adjustment of pumping controls, and lawn care/snow removal from parking areas and driveways. Applicable monitoring and analytical equipment were calibrated per the manufacturer's specifications.

The following non-routine OM&M activities were performed for the GRS during 2016:

- Addressed unresponsive float switch on Vault #3 on three occasions;
- Addressed a high level alarm on P-3;
- Addressed a high level alarm on P-4;
- Reset telemetry to P-3 and P-4 (became inoperative due to a power interrupt);
- Addressed a high level alarm on PW-3;
- Reset telemetry to PW-3 (became inoperative due to power interrupt);
- Performed back wash of carbon beds as needed based on pressure drop across beds;
- Replaced bag filters associated with VWCC portion of GRS on six occasions;
- Replaced pre-carbon bag filters for GRS on thirteen occasions;
- Responded to autodialer call-in for pump failure to start PW-1 on 3 occasions;
- Responded to autodialer call-in for high level alarm for T-801;
- Replaced 01A effluent meter;
- Performed cleaning and maintenance of T-801 water level indicator;
- Improved blank arrangement at PW-4 to reduce exposed length of header pipe;
- Coordinated proper disposal of one 55-gallon drum spent bag filters on one occasion;

- Responded to autodialer call-in for power interrupt causing vault pump failure to start; and,
- Replaced failed submersible water level transducer at well PW-3.

A log of routine and non-routine system OM&M activity is maintained at the GRS.

2.2 System Performance in 2016

Table 2 summarizes the GRS performance and system up time. The combined average system up time, based on operational hours relative to total hours, was approximately 97% during 2016. Up times for individual wells during 2016 was 82% at PW-3 and 100% at PW-1, P-2, P-3, and P-4. Up time for the VWCC system was 100%.

GRS performance in 2016 was gauged by the degree of hydraulic control, capture zone development, the magnitude of groundwater extraction, mass recovery, and treatment to meet SPDES discharge requirements. Performance of the GRS in 2016 and OM&M plans for 2017 are discussed below.

2.2.1 Hydraulic Control

Hydraulic control continued to focus on the Top of Rock (TOR) Zone and bedrock Zone 1 in 2016. Extraction wells PW-1, PW-3, P-2, P-3, and P-4 are used to achieve the objective of onsite migration control. Each of the wells extract groundwater from the TOR or/and Zone 1 at locations within or downgradient of former source areas (PW-1, PW-3, P-2), and at the western downgradient property boundary (P-3 and P-4). Groundwater is also recovered from the VWCC sumps in three vaults in the Metaullics manufacturing facility. The high percentage of up time (operational time) for the extraction wells within the source areas (PW-1 and PW-3) and vaults facilitated migration control, with continuous source control throughout the period. Potential impacts to offsite areas were limited by up times of 100% at wells P-2, P-3, and P-4. Based on 2016 monitoring data and groundwater pumping rates, onsite groundwater migration control remains effective.

2.2.2 Capture Zone Development

Quarterly potentiometric surface plots for the TOR and Zone 1 in 2016 (see Figures 3 through 10), up time for the VWCC system and other historical site-specific hydrogeological information (e.g., pumping test data and well development observations) indicate that the GRS has maintained the capture zone in the vicinity of the extraction wells. Groundwater capture and recovery for the vault sumps and extraction wells is consistent with the remedial action objectives.

2.2.3 Groundwater Extraction and Mass Recovery

Table 2 summarizes the extraction performance of the GRS based on flow rates from individual wells. Approximately 21.9 million gallons of groundwater were extracted by the wells and sumps in the GRS during 2016, yielding approximately 155 pounds of extracted VOCs. The average GRS recovery rate for 2016 was approximately 41.7 gallons per minute (gpm) as measured at the SPDES meter. These data indicate that the GRS continued to remove dissolved constituents in groundwater during 2016.

Plots of concentration versus time for site monitoring wells and pumping wells are presented in Appendix B. The historical analytical database presenting VOC data for site monitoring wells and pumping wells is presented in Appendix C. See Section 5 for a discussion of groundwater quality.

2.2.4 Treatment and SPDES Discharge

The average flow through the SPDES effluent meter was 41.7 gpm in 2016. During 2016, the discharge flow was monitored, and effluent samples were collected at the SPDES outfall (01A) inside the treatment building. Discharge monitoring reports (DMRs) were provided to NYSDEC on a monthly basis, in compliance with the SPDES permit number NY0001988 (see Appendix D). All analytical results were compliant with the SPDES permit with the exception of low pH readings for field-analyzed samples in March 2016, and phenol results slightly above permit criterion (6 micrograms per liter (µg/L) as compared to criterion of 5 µg/L) and inconsistent biological oxygen demand (BOD) results in December 2016. A Report of Noncompliance Event was submitted to NYSDEC along with the March and December 2016 DMRs. Additional information regarding 2016 SPDES performance and monitoring is presented in Section 4.1.

2.3 System Upgrades

There were no upgrades to the GRS this reporting period. The most recent prior upgrade was the addition of the VWCC which conveys water from three vaults in the Metaullics facility to the GRS treatment building via an outdoor collection tank (T-001) adjacent to the Metaullics facility, and then to an equalization tank (T-002) inside the GRS treatment building. The VWCC began operation on June 12, 2012. A pre-treatment system was installed within the GRS treatment building to pre-filter the VWCC water to entering the primary GRS equalization tank (T-801). Beginning in January 2013, a composite sample from T-002 in the VWCC was sampled on the same quarterly schedule as the six recovery wells. Beginning in 2016, this sample was collected semi-annually in accordance with NYSDEC conditional approval of an updated groundwater monitoring program for the Site (see Section 5.1 for additional discussion).

2.4 Planned Future GRS Activities

In addition to continued operation, maintenance, and monitoring of GRS, the following activities are planned for 2017:

- System processes and procedures will continue to be reviewed, optimized, upgraded and/or retrofitted as necessary to accommodate the groundwater recovery rate and treatment requirements.
- Downgradient chemical concentrations will continue to be evaluated to gauge the effectiveness of hydraulic control.
- Update the site conceptual model. The revised site conceptual model will be used to re-evaluate the pump and treat alternative used at the site and consider other potential alternatives.
- Water entering the sumps within Metaullics operations is managed through the VWCC. Backup systems (pumps and level controls) and additional monitoring, such as oil detection, will be evaluated for possible installation, if necessary.

3.0 Waste Handling Program

The waste handling program for the GRS consists of tracking the generation and the proper disposition of soils, personal protective equipment (PPE), debris, and OM&M materials. The program is intended to provide compliance with applicable local, state, and federal regulations related to waste handling. During 2016, wastes generated during operation and maintenance of the GRS included PPE and GRS materials.

3.1 Hazardous Waste Reporting and Inspections

Based on the volume of hazardous waste generated during 2016, the site is a conditionally exempt small quantity generator. Waste handling and disposal was completed in accordance with NYSDEC requirements and will be documented by AECOM in the 2016 annual Hazardous Waste Report to be submitted to NYSDEC prior to March 1, 2017. The 2015 annual Hazardous Waste Report was submitted by Parsons to NYSDEC on February 23, 2016, prior to the required due date of March 1, 2016.

NYSDEC performed a Hazardous Waste Compliance Inspection (EPA ID Number NYR000030726) of the GRS on October 25, 2016. In a letter dated November 17, 2016, NYSDEC notified AECOM on behalf of Elm Holdings Inc. that no violations were observed during the inspection.

3.2 Personal Protective Equipment

During 2016, used PPE was generated during routine OM&M activities. PPE that had been in contact with hazardous materials was disposed with the spent bag filters (see Section 3.3, below). Used PPE that did not come into contact with hazardous materials was disposed as routine municipal waste.

3.3 Groundwater Treatment System Operations and Maintenance Materials

OM&M of the groundwater treatment system routinely generates used bag filters including sediment from filtering, and periodically spent carbon adsorption material. During normal operations, a 55-gallon drum is used (until full) to contain used bag filters and PPE (see Section 3.2, above). The container is labeled with a hazardous waste sticker, description of contents, and start and full dates. When the container is full, appropriate hazardous waste transport and disposal is coordinated.

During this reporting period, a total of one 55-gallon drum of hazardous GRS materials was transported offsite and appropriately disposed by Heritage Environmental Services. The drum was transported offsite in October 2016 for disposal at a permitted hazardous waste incinerator. It is anticipated that one drum of filter bags and PPE will be disposed 2017.

No spent carbon adsorption material was changed out or shipped in 2016.

3.4 Onsite Soil Management

In 2016, there was one event that required monitoring of soil excavations in accordance with the NYSDEC-approved June 2016 Air Monitoring and Soil Management Plan. The excavation work was unrelated to the GRS OM&M. In June, soil was excavated and monitored while Pyrotek, Inc. installed

an underground 2-inch copper pipeline to carry nitrogen gas from an existing nitrogen storage tank located on 2050 Cory Drive, southward to the western end of the north wall of the Metaullics Inc. building on 2040 Cory Drive. Three utility test pits were dug and the copper pipe was installed via directional drilling.

No geocomposite liner was encountered during the excavations. A geotextile filter fabric was found in the exit trench on the north side of the Metaullics building at approximately eight inches beneath the blacktop surface. The geotextile was separating the asphalt's base course from a layer of sandy clay which was present to the bottom of the 4-foot excavation. All excavations were backfilled with the soil removed, except for the top 8 inches of the exit pit, which was covered with compacted crusher run as a topping course.

The work zone and excavated soils were monitored using a photoionization detector (PID) with a 10.6 eV lamp, calibrated daily with 100 parts per million (ppm) isobutylene. Excavations were also monitored for visual and olfactory signs of contamination. During this soil excavation activity, no soils were observed with a PID reading above the established10 ppm threshold and no visual or olfactory signs of contamination were present, so all soils were deemed suitable for use as backfill. Therefore, all soils generated during the nitrogen line installation work were either used as backfill or stockpiled on Site; approximately 2 cubic yards of excess soil not needed for backfill were placed at the existing soil management stockpile west of the Metaullics building.

A Soil Management Plan activity completion report was submitted to NYSDEC on June 27, 2016.

4.0 Permits and Site Management

Discharge of treated water from the GRS to Cayuga Creek occurs under a SPDES permit for treated water discharge. In addition, an air discharge registration is in place for vapor emissions from the air stripper. Key activities associated with the permit and the air registration are summarized below. Compliance with institutional and engineering controls is also discussed below.

4.1 SPDES Permit for GRS

The SPDES Permit for the GRS presently consists of Outfall 001A, located at the discharge of the GRS in the treatment building. The current permit is effective through March 31, 2017. A copy of the SPDES Permit is provided in Appendix D. Samples collected for compliance with the SPDES permit were analyzed by Eurofins/Lancaster Laboratories, Inc. (Lancaster, PA) through November 2016. Starting in December 2016, SPDES samples were analyzed by TestAmerica Laboratories, Inc. (TAL) in Buffalo, NY and North Canton, OH. The analytical results were compliant with the SPDES permit requirements with the exception of low pH readings for field-analyzed samples in March 2016, and phenol results slightly above permit criterion (6 µg/L as compared to 5 µg/L criterion) and inconsistent BOD results in December 2016. A Report of Noncompliance Event was submitted to NYSDEC along with the March and December 2016 DMRs. A brief discussion of each event follows, see Appendix D for additional detail.

March 2016 – low field-measured pH - Field-analyzed grab samples collected for pH monitoring on March 15, 24, and 30 exhibited pH results of 5.5, 5.35, and 6.08 standard units (S.U.), respectively. AECOM conducted an internal review of the field pH data collection standard operating procedure (SOP). In consideration of the groundwater remediation system operating data, a duplicate analytical laboratory result within normal operating range for the March 15 sample, historical pH results consistently within the range of 6.5 to 8.5 S.U., and a review of the field SOP, AECOM concluded that the three abnormal field-reported pH results were most likely attributable to operator or meter error. AECOM implemented several actions to address the event, including: additional training for field technician on the use and calibration of the field pH meter; replacement of pH standard buffer solutions; implementation of a new field SOP step using pH test strips sensitive to 0.1 S.U. as a check of the meter result; and, reporting of the field result to the home office immediately after collection.

December 2016 – phenol results – As noted above, the analytical laboratory for the SPDES analyses was migrated from Eurofins/Lancaster Laboratories (Lancaster, PA) to TestAmerica Laboratories (Buffalo, NY and Canton, OH) as of December 1, 2016. The two phenol samples for December 2016 were each reported at a concentration of 6 J µg/L, as compared to the permit criterion of 5 µg/L. Through discussion with TAL, it was determined that the laboratory's method detection limit (MDL) meets the permit criterion of 5 µg/L, with a reporting limit (RL) of 10 µg/L. Because the TAL results are above the MDL and below the RL the results are reported as "J" estimated. During the prior 9 months of phenol data (March 2016 through November 2016) analyzed by Eurofins/Lancaster Laboratories, 17 of 18 samples were reported as 2 µg/L U, with one result reported at 2 µg/L. Because TAL is unable to meet the required RL, beginning in 2017 the phenol analyses will be migrated back to the laboratory that performed the analyses March 2016 through November 2016, with a RL of 2 µg/L.

December 2016 – BOD results – The BOD sample collected December 7, 2016 was reported at a concentration of 13 J milligrams per liter (mg/L) by TAL. The sample result was reported as "J"

estimated because the sample was analyzed out of hold time. Upon receipt of the laboratory data for the December 7, 2016 BOD sample and discussion with TAL, the procedure for BOD analysis was revised so that the drop-off laboratory (TAL Buffalo, NY) would analyze the BOD sample rather than ship the sample to their sister laboratory (TAL Canton, OH) with the remainder of the sample set to avoid exceeding the BOD sample hold time. The subsequent BOD sample collected December 20, 2016 was reported as 2 U mg/L.

During June 2016, AECOM submitted a request for approval to NYSDEC to eliminate the requirement for two types of VOC sample collection for routine SPDES monitoring. The SPDES permit allowed for collection of a four-point laboratory composite sample developed by collecting four evenly spaced aliquot samples over the course of an operations day, provided a series of individual VOC grab samples collected concurrent with the four points of the composite sample yielded similar results as the laboratory composite sample. AECOM prepared a summary of VOC grab sample and laboratory composite samples in support of the request to eliminate collection of both types of samples, as was the routine when AECOM assumed operations on March 1, 2016. The request to eliminate the VOC grab samples in lieu of proceeding with the four-point laboratory composite sample was approved by NYSDEC on September 16, 2016. AECOM implemented the approved change with the subsequent weekly sample event in September 2016.

During September 2016, AECOM prepared and submitted an application for SPDES permit renewal to NYSDEC. The permit renewal application was due 180 days prior to permit expiration; i.e., due September 30, 2016 for permit expiration of March 31, 2017. AECOM submitted the application prior to the application due date. No changes to the permit or operating conditions were requested. The permit renewal was still pending as of the end of this reporting period (December 31, 2016).

4.2 Air Registration

In 2016, the facility continued to operate under a registration status in New York State. The registration does not expire. In November 2009, the configuration of the air emissions changed with the installation of the new discharge stack. The modification was approved by NYSDEC prior to implementing the change, and a revised source registration was submitted to NYSDEC to document the change in stack configuration.

4.3 Site Management

The site consists of four parcels of land, upon which the responsible party maintains and monitors groundwater monitoring wells, and operates, monitors, and maintains a groundwater recovery and treatment system. Discharge from the groundwater treatment system is permitted under the SPDES permit. Institutional controls include a groundwater monitoring plan and an operations and maintenance plan for the GRS. Engineering controls include fencing for access control. For the parcel upon which the GRS is located, engineering controls include groundwater containment via pumping and treatment of recovered groundwater. The completed 2016 IC/EC Certification Form for the reporting period are included in Appendix A. All requirements have been met.

Monitoring and analytical instrumentation continue to be calibrated according to manufacturer's recommended maintenance procedures or by the manufacturer. Calibration records are kept on file at the Site.

5.0 Groundwater Monitoring, Sampling, and Analysis

Monitoring included both routine monitoring of groundwater conditions and discharges, as well as task-specific sampling and analysis events. The monitoring events that were conducted during the 2016 reporting period are summarized below.

5.1 Groundwater Monitoring

Monitoring of groundwater conditions at this site includes both groundwater level measurements and groundwater quality sampling and analysis. Groundwater elevation data (Table 3 and Figures 3 through 10) were collected on a quarterly basis. Groundwater levels were collected in January, May, August, and November on the schedule defined in Table 4.

VOC groundwater samples were collected in January 2016 by Parsons according to the quarterly sampling schedule in effect at the beginning of 2016 (Table 4). A first quarter 2016 summary report including OM&M summary for first quarter 2016 and summary of January 2016 groundwater monitoring was prepared by AECOM and submitted to NYSDEC on May 31, 2016.

In a letter dated February 26, 2016, NYSDEC requested a re-assessment of the groundwater monitoring locations and reporting frequency for the Site. AECOM performed the assessment using recent VOC contour figures and historical analytical data to propose an updated groundwater monitoring well network and frequency as presented in a letter report to the NYSDEC dated October 21, 2016. The revised groundwater monitoring program includes an annual round of 43 locations during the second quarter and a semi-annual round during the fourth quarter including 18 of the 42 annual wells (Table 5). As has been previously established, the primary water-bearing zones of concern are TOR and bedrock Zone 1. Therefore, the re-assessment proposed a greater number of wells for monitoring in these zones as compared to deeper, less impacted bedrock Zones 2, 3, 4, and 5. The MNA and VOC data sets are sufficient to draw conclusions regarding the status of natural attenuation at the site. Therefore, AECOM recommended MNA analyses be suspended until such time as implementation of possible in-situ treatment technology pilot study or change in VOC source concentrations warrants additional MNA data collection.

The proposed changes to the groundwater monitoring program were conditionally approved in an email from NYSDEC to AECOM on November 18, 2016. AECOM implemented the expanded annual round of sampling in December 2016. A summary of the December 2016 groundwater monitoring data is presented in this report.

The monitoring and laboratory data associated with the January 2016 and December 2016 sampling events have been incorporated into the project database.

During the January 2016 monitoring event performed by Parsons, each well was purged with a decontaminated pump, dedicated high density polyethylene bailer, or the sampling port on the recovery well. During purging, field parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded. Purging continued until field parameters had stabilized and between three and five well volumes of water had been purged. After purging was complete, groundwater samples were collected from the monitoring and recovery wells.

In accordance with the conditionally approved revised sampling plan, the sample collection method was adjusted from the previous volume-based purge method (utilizing a purge pump to collect three to five volumes and low-flow purge methods when collecting MNA parameters) to primarily low-flow purge and sample method, with allowance for use of a bailer based on field conditions. The December 2016 sampling event followed the revised protocols.

VOC samples were placed in pre-cleaned, labeled 40-milliliter glass vials provided by the analytical laboratory. Three sample vials were collected from each well. The containers were visually inspected to confirm that they did not contain air bubbles. Sample chain-of-custody (COC) forms were completed and samples were placed in coolers and secured for shipment to the analytical laboratory.

For each event, quality assurance/quality control (QA/QC) samples included trip blanks, field duplicates and matrix spike/matrix spike duplicates (MS/MSD). Trip blanks were included in each VOC sample shipment. Field duplicates and MS/MSD samples were collected at a rate of one per 20 samples.

January 2016

The January 2016 quarterly groundwater monitoring event included sampling groundwater from 22 monitoring wells and six recovery wells (see Table 4, “JAN” column). The event was completed by Parsons between January 6 and 8, 2016. No low-flow samples were planned or collected during this quarterly sampling event (see Table 4). Field parameter data collected during the sampling event are provided in Table 6. Field logs and analytical laboratory data reports for this event were previously submitted to NYSDEC in a report entitled *First Quarter 2016 Groundwater Remediation Program Monitoring Report, Former Carborundum Facility, 2040 Cory Drive, Sanborn, NY, NYSDEC Site No. 932102* (AECOM, May 2016). January 2016 VOC analytical results are summarized in Table 7 and Figures 11 and 12.

December 2016

The December 2016 monitoring event performed by AECOM included sampling groundwater from 34 of 36 planned monitoring wells (two wells were dry) and six recovery wells, and surface water from the pond in the Niagara Quarry (see Table 5, “Spring” column). (Although the revised program only requires sampling of 17 wells in the second half of the year, the more extensive 43 sample Spring round was implemented because the previously approved annual round [see Table 4] was not performed during 2016.) The groundwater sampling was completed between December 5 and 12, 2016. Samples were shipped via overnight courier to TAL (Canton OH) for analysis. The samples were received by the laboratory intact, properly preserved, and under proper COC. The samples were analyzed for VOCs by USEPA Method 8260C. The analytical results were provided in TAL report numbers, 240-73125-1, 240-73270-1, 240-73361-1, and 240-74284-2. Field data collected during the December sampling event are provided in Table 8. Field logs are presented in Appendix E. December 2016 VOC analytical results are summarized in Table 9 and Figures 13 and 14; the analytical laboratory reports are presented in Appendix F.

Low-flow sampling methods employed either a pneumatically operated bladder pump or peristaltic pump with sample tubing placed approximately one to two feet above the well bottom. Groundwater was pumped through an in-line flow cell until groundwater quality readings for the indicator parameters (pH, temperature, conductivity, oxidation-reduction potential, and dissolved oxygen) stabilized. Once the parameters stabilized, the groundwater sample was collected.

A limited QC data review was performed on all samples for completeness of deliverables, and for compliance with method criteria, which includes RL, holding times, method blanks, surrogate recoveries, internal standard recoveries, MS/MSD recoveries, and laboratory control sample (LCS) recoveries. The QC data review summary determined:

- All samples were analyzed within holding times, with compliant surrogate, internal standard and LCS recoveries. Methylene chloride was the only compound detected in the method blanks, the equipment blank, and a trip blank. For sample results greater than the RL, the laboratory applied 'B' qualifier was crossed out because the associated method blank and/or equipment blank results were below the RL. The laboratory applied 'B' qualifier was crossed out for the trip blank and equipment blank because blanks may not be qualified because of contamination in another blank. No results were qualified due to methylene chloride found in the trip blank because all associated samples were non-detect for methylene chloride.
- Several samples were only analyzed at a dilution due to the high concentration of target compounds. The RLs for the non-detect compounds are the lowest achievable at the diluted level.
- The relative percent differences between the parent sample and its field duplicate were acceptable (i.e., < 25%), therefore no data qualification was necessary.
- Results qualified U are considered to be non-detect. All other data are usable as reported.

5.1.1 Groundwater Quality

As mentioned in Section 2.2.1, recovery wells pump groundwater from the TOR bedrock zone and bedrock Zone 1. The highest concentrations of TCE, total 1,2--DCE, and VC have previously been identified in these upper zones. Some wells are screened across multiple zones. The deepest screened zone is used for the discussion below. The concentration of dissolved VOCs observed in groundwater samples from all zones in 2016 is generally consistent with historical trends. The concentrations for each 2016 sampling event are provided on isocontour maps presented in Figures 11 through 14[1]. Time series plots showing historical and current analytical data, as well as analytical tables for current and historical results are provided in Appendices B and C, respectively.

5.1.1.1 VWCC T-002

The VWCC collects water from the vaults inside the Metaullics facility. A grab sample of purge water was collected from VWCC T-002 in January 2016 and December 2016. A summary of analytical data is presented in Table 7 (January 2016) and Table 9 (December 2016).

TCE, cis-1,2-DCE, and VC were detected in both the January 2016 and December 2016 samples at the lower end of the respective historical ranges for each compound. Total VOCs in January 2016

[1] For Figures 11 through 14, if a field duplicate was collected at a particular location, the greater of two detected values was used in the contouring. This may result in slight differences from Appendix C historical data summaries, which lists only the original sample, not its duplicate. The summaries in Appendix C were used to develop the discussion of Groundwater Quality in this report section.

(345 μg/L) and December 2016 (150.8 μg/L) were also below recent results and historical average. See Appendix C for a summary of historical analytical data.

5.1.1.2 Top of Rock and Zone 1

In the TOR bedrock zone, total concentrations of dissolved VOCs generally ranged from below the analytical detection limits to 1,000 µg/L. Wells in which groundwater concentrations of one or more VOCs were above 1,000 µg/L during 2016 or 2016 VOC concentrations were different than previous results are listed below:

- B-9M
  - PCE – January 2016 and December 2016 PCE results were in line with recent historical norms and below NYSDEC Class GA[2] Ambient Water Quality Standard (AWQS) of 5 µg/L, compared to January 2015 result of 9.3 μg/L
  - TCE - When detected, TCE has typically been observed at concentrations below 10 µg/L, ranging from 0.67 µg/L to 23 µg/L. The January 2016 TCE result of 16 µg/L was the highest observed at this location since July 2002. The December 2016 TCE result (1.8 μg/L) was in line with historical results and below the NYSDEC Class GA AWQS of 5 µg/L.
- B-12M
  - This well was not scheduled for sampling in January 2016 and was dry in December 2016; therefore, this well not sampled this year. This well is next scheduled for sampling Spring 2017.
- B-14M
  - Total VOCs were lower in 2016 (123 µg/L) than in 2015 (253 µg/L) and consistent with long-term decreasing trend in total VOCs.
- PW-3
  - Total VOCs in 2016 were over 1,000 µg/L in January 2016 (1,987.6 µg/L) and December 2016 (1,270 µg/L) but remained consistent with total VOC results prior to 2013. Although concentrations were greater in 2015 and 2016 than in 2013 and 2014, an overall decreasing trend for total VOCs since 2008/2009 is evident at PW-3.

Zone 1

- B-8M
  - TCE – TCE has been observed at an average concentration of approximately 46,000 µg/L since January 2001. The January 2016 and December 2016 results were 27,000 µg/L and 40,000 μg/L, respectively, and are below average for the location and consistent with previous results collected during the same time of year.

[2] Reference: NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA groundwater standards [NYSDEC, 1998, with addenda through 2004].

  - Total 1,2-DCE – Historically, total 1,2-DCE concentrations ranged from 930 µg/L to 9,500 µg/L. In 2016, total 1,2-DCE concentrations ranged from 2,200 µg/L in December to 2,500 µg/L in January.
  - Methylene chloride – In December 2016 an estimated concentration of 1,300 J µg/L was reported for methylene chloride. This was the first methylene chloride detection since April 2008, and the highest value reported at this well.
  - Total VOCs – Total VOCs in January 2016 (29,553 µg/L) and December 2016 (43,500 µg/L) are consistent with previous results at this location. The overall trend for total VOCs in groundwater from this well remained steady.

- B-13M
  - TCE – TCE concentrations in January 2016 (190 µg/L) and December 2016 (260 µg/L) are consistent with previous results.
  - Total 1,2-DCE – Total 1,2-DCE in January 2016 (450 µg/L) and December 2016 (750 µg/L) are consistent with previous results.
  - Total VOCs –Total VOCs for January 2016 (662.5 µg/L) and December 2016 (1,023 µg/L) are consistent with previous results. The overall trend for total VOCs in groundwater at this location is decreasing.
- B-17M
  - TCE – TCE concentrations in January 2016 (6,400 µg/L) and December 2016 (3,200 µg/L) are at the lower end of the historical range at this location.
  - Total 1,2-DCE – Total 1,2-DCE concentrations in January 2016 (4,320 µg/L) and December 2016 (4,320 µg/L) are at the lower end of the historical range at this location.
  - Total VOCs – Total VOCs for January 2016 (11,185 µg/L) and December 2016 (8,950 µg/L) are at the lower end of the historical range at this location. The overall trend for total VOCs in groundwater at this location is decreasing.
- P-2
  - TCA – TCA concentrations in January 2016 (2,500 µg/L) and December 2016 (1,200 µg/L) were above 1,000 µg/L. Although TCA concentrations have not been observed above 1,000 µg/L since July 2011, the 2016 concentrations are within the range of historical TCA concentrations observed at this location.
  - TCE – TCE concentrations in January 2016 (2,600 µg/L) and December 2016 (5,100 µg/L) were consistent with previous results at this location.
  - Total 1,2-DCE – Total 1,2-DCE concentrations in January 2016 (514.9 µg/L) and December 2016 (540 µg/L) were consistent with previous results at this location.
  - Total VOCs – Total VOCs for January 2016 (6,038.9 µg/L) and December 2016 (7,090 µg/L) are within the historical range at this location. The overall trend for total VOCs at this location may be increasing slightly in response to a long-term decreasing trend in groundwater elevation at this location.
- P-4
  - TCA – The January 2016 result for TCA (35 µg/L) was consistent with historical data. The December 2016 result was non-detect.

  - TCE – The TCE concentration in January 2016 (860 μg/L) was consistent with previous results; the December 2016 result (140 μg/L) was below the historical average.
  - Total 1,2-DCE – Total 1,2-DCE concentrations in January 2016 (598.7 μg/L) were consistent with previous results; December 2016 concentrations (52 μg/L) were below historical average.
  - Total VOCs – Total VOCs in January 2016 (1,508 μg/L) were consistent with recent results; total VOCs in December 2016 (218 μg/L) were below recent results and below historical average. The overall trend for total VOCs in groundwater at this location is stable since 2002.

- PW-1
  - TCE – The TCE concentration in January 2016 (280 μg/L) was consistent with previous results and below historical average; the December 2016 result (2,200 μg/L) was above recent results and above historical average.
  - Total 1,2-DCE – Total 1,2-DCE concentrations in January 2016 (41.75 μg/L) were below previous results; December 2016 concentrations (430 μg/L) were above recent results and above recent average.
  - Total VOCs – Total VOCs in January 2016 (327.85 μg/L) were below recent results and below historical average; December 2016 results (2,780 μg/L) were above recent averages. Since 2001, there appears to be a decreasing trend in total VOC concentrations in this recovery well.
- PW-4 (not currently pumping)
  - TCE – TCE concentrations in January 2016 (460 μg/L) and December 2016 (480 μg/L) were higher than recent results.
  - TCA – The TCA concentration in January 2016 (110 μg/L) was the highest result recorded for this location; the December 2016 result (non-detect at RL of 18μg/L) was consistent with previous results.
  - 1,1-Dichloroethane (DCA) – The 1,1-DCA concentration in January 2016 (53 μg/L) was the highest result recorded for this location; the December 2016 result (6.6 J μg/L) was consistent with previous results.
  - VC – The VC concentration in January 2016 (75 μg/L) was the highest result since October 2012; the December 2016 result (non-detect at RL of 18μg/L) was consistent with previous results.
  - Total VOCs – Total VOCs in January 2016 (975 μg/L) and December 2016 (837 μg/L) were above recent results and above historical averages. Total VOC results at this location appear to react inversely with changes in water elevation; i.e., higher average water elevations in 2013 and 2014 resulted in lower total VOC concentrations, and a recent decrease in average water elevation appears to be resulting in greater total VOC concentrations.

5.1.1.3 Deeper Bedrock Groundwater

VOC concentrations in deeper bedrock groundwater zones (Zones 2, 3, and 4) were typically orders of magnitude lower than those in the TOR zone and bedrock Zone 1. Concentrations in the majority

of the wells ranged from not detected to 5 µg/L. Only eight wells contained individual VOC concentrations above 10 µg/L in 2016. Results for these zones are presented on Figures 12 and 14.

Zone 2

- B-39M
  - Chloroform – Chloroform was not detected in 2016. Chloroform detected for the first time in January 2015 was attributed to a water line break at the Metaullics facility (repaired January 2015).
  - TCE – The TCE concentration in January 2016 (7.9 µg/L) was consistent with previous results; the December 2016 concentration (38 µg/L) was the highest observed since January 2015 and the third highest concentration since data collection began.
  - Total 1,2-DCE – The total 1,2-DCE concentration in January 2016 (2.1 µg/L) was consistent with previous results; the December 2016 concentration (10.72 µg/L) was the highest observed at this location.
  - Total VOCs – Total VOCs in January 2016 (10 µg/L) were consistent with previous results; December 2016 concentrations (48.72 µg/L) were the highest observed at this location. The December 2016 groundwater elevation was also the lowest since 2012.
- B-42M
  - Total 1,2-DCE – The total 1,2-DCE concentration in January 2016 (5.4 µg/L) was consistent with recent results; December 2016 (17.5 µg/L) was the highest reported since October 2003.
  - Total VOCs – Total VOCs in January 2016 (8.3 µg/L) were consistent with recent historical results; total VOCs in December 2016 (26 µg/L) were higher than recent historical results but within the range of historical results.
- B-46M (sampled December 2016, only)
  - TCE – The TCE concentration (14 µg/L) was slightly higher than the range typically encountered (from not detected to 11 µg/L).
  - Total 1,2-DCE – Total 1,2-DCE concentration (67 µg/L) was slightly above recent results and approximately at the historical average.
  - VC – The VC concentration (7.6 µg/L) was above recent results and above historical average.
  - Total VOCs – Total VOCs (88.57 µg/L) were slightly above recent results but within the range typically observed.
- B-48M
  - Total VOCs – Total VOCs at this location were non-detect in January 2016 and 0.99 µg/L in December 2016. Individual VOCs at this location have been below NYSDEC Class GA AWQS since 2005.
- B-50M (sampled December 2016, only)
  - TCE – The TCE concentration (78 µg/L) was within the range typically observed.
  - Total 1,2-DCE – Total 1,2-DCE concentration (15 µg/L) was within the range typically observed.

- Total VOCs – Total VOCs (94.2 μg/L) were within the range typically encountered. The trend for total VOCs shows an increase as compared to data prior to 2013, but results have been stable since 2013.

- B-53M (sampled December 2016, only)
  - TCE – The TCE concentration (12 μg/L) was within the range typically observed.
  - Total 1,2-DCE – Total 1,2-DCE concentration (4.3 μg/L) was within the range typically observed.
  - Total VOCs – Total VOCs (16.7 μg/L) were within the range typically encountered. The trend for total VOCs shows a slight increase as compared to data prior to 2004, but results since 2004 have been stable within a narrow range.

- B-56M
  - TCE – The TCE concentration in January 2016 (99 μg/L) was within the range of recent results; the December 2016 concentration (330 μg/L) was the highest observed at this location.
  - Total 1,2-DCE – Total 1,2-DCE concentrations in January 2016 (23 μg/L) and December 2016 (48 μg/L) were above recent results but within the range of historical values.
  - Total VOCs – Total VOCs in January 2016 (122 μg/L) and December 2016 (378 μg/L) were above recent results but within the range of historical values. The December 2016 groundwater elevation was also the lowest since 2012, which also coincided with above average total VOC concentrations.

Zone 3

- B-18M (sampled December 2016, only)
  - Total 1,2-DCE – The total 1,2-DCE concentration (16.5 μg/L) was consistent with recent results.
  - VC – The VC concentration (11 μg/L) was consistent with recent results. .
  - Total VOCs – Total VOCs (27.49 μg/L) were consistent with recent results. The overall total VOC trend at this location is stable.

- B-40M
  - Total VOCs – Total VOCs in January 2016 (12.7 μg/L) and December 2016 (11.77 μg/L) were consistent with historical results. The overall total VOC trend is stable and individual VOCs have been consistently close to or below NYSDEC Class GA AWQS since 2000.

- B-43M
  - Total VOCs – Total VOCs in January 2016 (8.5 μg/L) and December 2016 (11.78 μg/L) were consistent with historical results. The overall total VOC trend is stable and individual VOCs have been consistently close to or below NYSDEC Class GA AWQS since 2007.

Zone 4

- B-41M
    - Total VOCs – Total VOCs in January 2016 (9.2 μg/L) and December 2016 (11.9 μg/L) were consistent with historical results. With the exception of anomalously high October 2011 and January 2015 results, the overall total VOC trend is stable and individual VOCs have been consistently close to or below their respective NYSDEC Class GA AWQS since 2000.
- B-44M
    - Carbon Tetrachloride – In December 2016, carbon tetrachloride was detected for the first time in B-44M at a concentration of 5.9 μg/L (above the above the NYSDEC Class GA AWQS [5 μg/L]).
    - Total VOCs – Total VOC concentrations in January 2016 (22.1 μg/L) and December 2016 (19 μg/L) were below recent historical values. Individual VOCs were close to or below their respective NYSDEC Class GA AWQS

5.2 Niagara Quarry Seep and Pond Sampling

In conjunction with groundwater monitoring, a ponded water sample was collected at the Niagara Quarry on December 6, 2016.

No analytes were identified above the analytical detection limits in the samples from the quarry pond. These results are consistent with historical results. In previous communications with the land owner, NYSDEC has indicated that there appears to be no health risk associated with the quarry seeps. Monitoring of VOC concentrations in the quarry during the semi-annual sampling will continue through 2017.

5.3 Future Sampling and Analysis

Scheduled activities for the 2017 annual period include the following:

- Quarterly water level measurements in monitoring and recovery wells;
- Continued groundwater recovery from wells PW-1, PW-3, P-2, P-3, and P-4 and vaults 1, 2, and 3 in the VWCC;
- Continued pre-treatment of VWCC water by filtering at the onsite treatment plant prior to entering the groundwater treatment train at the primary influent tank (T-801);
- Semi-annual sampling and chemical analysis of selected monitoring wells and recovery wells as identified in Table 5.
- Semi-annual sampling of VWCC equalization tank T-002;
- Semi-annual sampling of Niagara Quarry ponded water; and,
- Annual sampling and chemical analysis for monitoring and recovery wells as identified in Table 5

Natural attenuation field and laboratory parameters have been suspended until further remediation or regulatory guidance suggests MNA is necessary.

6.0 Health, Safety, Security, and Environment

The site health and safety program was undertaken in accordance with OSHA 1910.120 and was restricted to Level D protection requirements during non-intrusive activities.

6.1 Site Health, Safety, Security, and Environment Plan

Contractors assigned to the remediation efforts operated under the provisions of the site Health and Safety Plan (HASP). AECOM developed a site-specific HASP for AECOM employees effective March 2016. New personnel assigned to the Site are given a health and safety orientation that includes a review of the HASP.

6.2 Performance Report

During 2016, no accidents or incidents occurred at the Site. A summary of the AECOM labor hours worked relative to reportable accidents, injuries, incidents and releases during the 2016 annual period is shown below:

- Total Site Labor Hours Worked (AECOM): : 1,733
- Total Hours without accident, incident, or release: 1,733
- Reportable Accidents or Injuries: None
- Reportable OSHA Incidents: None
- Reportable Quantities Released: None

7.0 Conclusions

In accordance with the Site's decision documents and the OM&M manual (revised April 2015), and based on the discussion herein, the following conclusions can be drawn for the periodic review period of January 1 through December 31, 2016. The IC/EC Certification Form documenting that site management requirements have been met during the period are provided in Appendix A of this report.

- The operations and maintenance requirements were met during the period.
- The monitoring requirement for all of the property was met during the period.
- Operation of the GRS continued throughout the period to facilitate migration control and continuous source control within the TOR and bedrock Zone 1.
- Operation of the GRS continued to maintain the capture zones in the vicinity of the extraction wells.
- Collection of water from the sump in three vaults at the Metaullics facility remains operational.

In NYSDEC's letter dated February 26, 2016, NYSDEC requested that a Site Management Plan (SMP) be developed for the site. The SMP is under development and will include the groundwater monitoring program presented in Table 5 of this PRR. The SMP will be completed using the most recent NYSDEC SMP template.

8.0 References

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Parsons, 2016. 2015 *Periodic Review, Groundwater Remediation Program, Former Carborundum Facility, Wheatfield, New York*, February 2016.

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Tables

Table 1
RECOVERY WELL SPECIFICATIONS
Former Carborundum Facility
Sanborn, NY

Well	Revision Date	Grundfos Pump Model Number	Revised Well Bottom Depth (ft)	Approximate Intake Depth (ft)	Target Water Level Depth (ft)	Revised Set Points		
							Depth	Range
P-2	9/13/2010	0.5 hp - 5 gpm	26.4	24.4	21.9	On Off	18.9 21.9	3.0
P-3	9/13/2010	0.5 hp - 5 gpm	33.7	31.7	30	On Off	26.2 30.0	3.8
P-4	9/13/2010	0.5 hp - 5 gpm	34.2	34.2	30.2	On Off	26.7 30.2	3.5
PW-1	9/13/2010	1.5 hp - 25gpm	29.8	29.8	24.8	On Off	21.8 24.8	3.0
PW-3	9/13/2010	5S03-9 0.5 hp - 5gpm	18.2	18.2	14.2	On Off	10.2 14.2	4.0
PW-4	9/13/2010	5 hp - 120 gpm	30.8	30.8	23.3	On Off	20.8 23.3	2.5

Revised 1/27/2011

Table 2

Groundwater Remediation System Performance Summary
Former Carborundum Facility
Sanborn, New York

Well	Category	Units	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016	Annual Total 2016
		Days	31	29	31	30	31	30	31	31	30	31	30	31	366
P-2															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	99%	100%	100%	100%
	Average Flow	(gpm)	0.7	0.7	1.0	1.7	2.1	2.2	1.6	1.6	1.0	1.1	1.3	2.0	1.4
	Total Flow	(gal)	29,588	27,937	45,919	75,014	92,570	96,567	71,053	73,499	44,814	49,693	54,707	91,273	752,634
	VOC Concentration	(ppb)	6,039	6,039	6,039	6,039	6,039	6,039	6,039	6,039	6,039	6,039	6,039	7,090	NA
	Total Contaminant removed	(lbs)	1.5	1.4	2.3	3.8	4.7	4.9	3.6	3.7	2.3	2.5	2.8	5.4	38.7
	% of Total Flow		1.06%	1.01%	1.28%	1.90%	2.86%	4.00%	4.20%	3.08%	2.78%	3.44%	3.93%	6.45%	3.00%
P-3															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	99%	100%	100%	100%
	Average Flow	(gpm)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total Flow	(gal)	320	1,116	1,778	2,419	1,865	977	581	561	243	108	95	114	10,177
	VOC Concentration	(ppb)	40	40	40	40	40	40	40	40	40	40	40	52	NA
	Total Contaminant removed	(lbs)	0.0001	0.0004	0.0006	0.0008	0.0006	0.0003	0.0002	0.0002	0.0001	0.0000	0.0000	0.0000	0.0034
	% of Total Flow		0.01%	0.04%	0.05%	0.06%	0.06%	0.04%	0.03%	0.02%	0.02%	0.01%	0.01%	0.01%	0.03%
P-4															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	99%	100%	100%	100%
	Average Flow	(gpm)	0.0	0.5	1.1	1.3	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.5
	Total Flow	(gal)	2,196	20,520	47,559	58,111	30,169	14,311	4,946	1,594	354	483	669	888	181,800
	VOC Concentration	(ppb)	1,508	1,508	1,508	1,508	1,508	1,508	1,508	1,508	1,508	1,508	1,508	218	NA
	Total Contaminant removed	(lbs)	0.0	0.3	0.6	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	2.3
	% of Total Flow		0.08%	0.74%	1.32%	1.47%	0.93%	0.59%	0.29%	0.07%	0.02%	0.03%	0.05%	0.06%	0.71%
PW-1															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	99%	100%	100%	100%
	Average Flow	(gpm)	59.2	61.1	72.9	84.8	68.4	52.7	35.9	50.5	35.2	31.1	30.9	28.9	64.4
	Total Flow	(gal)	2,642,864	2,549,567	3,256,259	3,665,250	3,053,236	2,277,568	1,602,238	2,255,154	1,520,612	1,387,580	1,334,813	1,289,166	26,834,307
	VOC Concentration	(ppb)	328	328	328	328	328	328	328	328	328	328	328	2,780	NA
	Total Contaminant removed	(lbs)	7.2	7.0	8.9	10.0	8.4	6.2	4.4	6.2	4.2	3.8	3.7	29.9	99.8
	% of Total Flow		94.50%	92.07%	90.71%	92.61%	94.28%	94.31%	94.77%	94.61%	94.32%	96.10%	95.99%	91.16%	92.43%
PW-3															
	Uptime	(%)	99%	100%	99%	100%	100%	100%	99%	98%	100%	58%	0%	32%	82%
	Average Flow	(gpm)	2.7	4.1	5.3	3.6	1.4	0.6	0.3	1.2	1.1	0.1	0.0	0.7	1.8
	Total Flow	(gal)	121,786	169,913	238,394	156,897	60,548	25,472	11,805	52,839	46,118	6,091	257	32,769	922,889
	VOC Concentration	(ppb)	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,988	1,270	NA
	Total Contaminant removed	(lbs)	2.0	2.8	4.0	2.6	1.0	0.4	0.2	0.9	0.8	0.1	0.0	0.3	15.1
	% of Total Flow		4.35%	6.14%	6.64%	3.96%	1.87%	1.05%	0.70%	2.22%	2.86%	0.42%	0.02%	2.32%	2.71%
Vaults (T-002)															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	99%	100%	100%	100%
	Average Flow	(gpm)	0.2	0.6	1.2	1.1	0.4	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.3
	Total Flow	(gal)	7,462	25,402	51,541	45,974	19,958	5,559	4,907	4,309	2,015	1,862	1,449	2,392	172,830
	VOC Concentration	(ppb)	345	345	345	345	345	345	345	345	345	345	345	154	NA
	Total Contaminant removed	(lbs)	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
	% of Total Flow		0.27%	0.92%	1.44%	1.16%	0.62%	0.23%	0.29%	0.18%	0.12%	0.13%	0.10%	0.17%	0.47%
Well Head															
	Average Flow	(gpm)	63	66	80	92	73	56	38	53	37	32	32	32	55
	Total Flow-Well heads	(gal)	2,796,754	2,769,053	3,589,909	3,957,691	3,238,388	2,414,895	1,690,623	2,383,647	1,612,141	1,443,955	1,390,541	1,414,210	28,701,807
Groundwater Remediation System Total															
	Uptime	(%)	99%	100%	100%	100%	100%	100%	99%	98%	100%	92%	83%	89%	97%
	Average Flow	(gpm)	43.4	58.8	66.0	65.9	59.1	41.1	16.8	34.0	31.1	27.3	27.4	29.7	41.7
	Total Flow-PLC Meter	(gal)	1,935,200	2,456,200	2,947,900	2,846,700	2,636,800	1,776,700	752,100	1,519,400	1,344,700	1,218,900	1,184,200	1,325,000	21,943,800
	VOCs to Influent	(ppm)	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	11.6	10.4
	Total Contaminant Removed	(lbs)	10.8	11.5	15.9	17.3	14.5	11.7	8.2	10.8	7.2	6.4	6.4	35.6	156.4

Notes:

1. For the trailing twelve month period ending 12/31/16.
2. Uptime estimated and reflects potential uptime.
3. Flow rates are estimated throughout the period due to meter malfunctions.
4. VOC Concentration (see above) equals the sum of the chlorinated compounds.
5. Mass removed is based on the percentage of flow through the SPDES meter.
6. Data through February 29, 2016 by Parsons, data beginning March 1, 2016 by AECOM.

% - percent
gpm - gallons per minute
gal - gallons
ppm - parts per million
lbs - pounds

Table 3

Groundwater Elevation Data
2016 Quarterly Sampling Events
Former Carborundum Facility
Sanborn, New York

Monitoring Well ID	Zone Monitored[1]	Top of Riser Elevation (ft)	1Q Date 1/4/2016		2Q Date 5/25/2016		3Q Date 8/4/2016		4Q Date 11/28/2016	
			Water Level[2] (ft)	1st Quarter Groundwater Elevation (ft)	Water Level[2] (ft)	2nd Quarter Groundwater Elevation (ft)	Water Level[2] (ft)	3rd Quarter Groundwater Elevation (ft)	Water Level[2] (ft)	Groundwater Elevation (ft)
P-2	1	619.67	20.01	599.66	23.60	596.07	24.20	595.47	20.16	599.51
P-3	1	627.35	26.60	600.75	26.62	600.73	25.67	601.68	29.35	598.00
P-4	TOR, 1	624.45	28.70	595.75	28.65	595.80	30.50	593.95	28.60	595.85
PW-1	1	619.78	27.70	592.08	21.20	598.58	20.80	598.98	25.62	594.16
PW-3	TOR	618.28	14.95	603.33	14.80	603.48	12.20	606.08	10.69	607.59
PW-4	TOR, 1	620.84	18.32	602.52	11.53	609.31	17.50	603.34	20.35	600.49
B-3M	TOR	625.59	dry	Dry<599.90	19.40	606.19	22.38	603.21	23.21	602.38
B-4M	TOR	622.24	24.80	597.44	21.58	600.66	23.18	599.06	23.62	598.62
B-5M	TOR	620.83	18.16	602.67	11.47	609.36	17.27	603.56	21.49	599.34
B-6M	TOR, 1	615.69	12.77	602.92	7.85	607.84	12.51	603.18	14.49	601.20
B-7M	TOR	616.22	13.20	603.02	8.25	607.97	12.94	603.28	15.18	601.04
B-8M	TOR, 1	618.57	12.48	606.09	8.90	609.67	13.07	605.50	13.97	604.60
B-9M	TOR	623.03	17.85	605.18	11.63	611.40	16.19	606.84	19.82	603.21
B-10M	TOR, 1	626.05	16.18	609.87	12.97	613.08	15.89	610.16	17.90	608.15
B-11M	1	622.81	18.09	604.72	12.70	610.11	17.89	604.92	18.51	604.30
B-12M	TOR	622.17	dry	Dry<600.00	15.35	606.82	Dry	Dry<600.00	dry	Dry<600.00
B-13M	TOR, 1	626.70	26.95	599.75	24.43	602.27	26.79	599.91	27.36	599.34
B-14M	TOR	618.25	14.86	603.39	8.56	609.69	14.41	603.84	15.36	602.89
B-15M	TOR, 1	623.98	15.77	608.21	10.98	613.00	15.00	608.98	16.40	607.58
B-16M	TOR, 1	624.31	21.33	602.98	14.46	609.85	20.50	603.81	23.34	600.97
B-17M	TOR, 1	622.07	21.48	600.59	20.75	601.32	21.69	600.38	21.65	600.42
B-18M	3	618.69	16.06	602.63	10.06	608.63	15.50	603.19	18.12	600.57
B-19M	3	626.01	25.75	600.26	20.72	605.29	25.65	600.36	dry	Dry<554.40
B-20M	3	615.32	12.57	602.75	8.56	606.76	12.70	602.62	14.58	600.74
B-21M	TOR, 1	622.56	19.47	603.09	12.70	609.86	18.58	603.98	21.41	601.15
B-22M	TOR, 1	622.29	28.49	593.80	23.85	598.44	29.31	592.98	30.29	592.00
B-23M	TOR, 1	617.71	27.63	590.08	23.04	594.67	27.10	590.61	28.90	588.81
B-24M	TOR, 1	617.24	20.64	596.60	12.95	604.29	16.98	600.26	20.69	596.55
B-25M	TOR	619.31	18.53	600.78	12.56	606.75	16.74	602.57	19.52	599.79
B-26M	TOR, 1	618.06	16.02	602.04	10.52	607.54	14.85	603.21	16.94	601.12
B-27M	TOR, 1	626.04	23.27	602.77	16.72	609.32	22.49	603.55	25.23	600.81
B-28M	1	622.62	29.38	593.24	25.05	597.57	29.05	593.57	29.13	593.49
B-29M	1 2	618.31	31.03	587.28	27.54	590.77	30.87	587.44	31.52	586.79
B-31M	3	613.78	12.12	601.66	8.67	605.11	11.65	602.13	13.18	600.60
B-32M	1	619.35	33.56	585.79	31.88	587.47	33.94	585.41	34.61	584.74
B-33M	1	612.43	24.02	588.41	21.61	590.82	24.23	588.20	24.75	587.68
B-37M	TOR	616.90	10.10	606.80	17.56	599.34	18.63	598.27	dry	Dry<598.20
B-38M	1 2	609.81	29.25	580.56	27.90	581.91	29.03	580.78	29.57	580.24
B-39M	2	626.12	23.11	603.01	16.28	609.84	22.28	603.84	25.10	601.02
B-40M	3	626.23	23.36	602.87	16.81	609.42	22.62	603.61	25.38	600.85
B-41M	4	626.31	23.86	602.45	18.26	608.05	23.63	602.68	26.20	600.11
B-42M	2	623.76	21.10	602.66	14.42	609.34	20.26	603.50	22.98	600.78
B-43M	3	623.64	21.55	602.09	15.78	607.86	21.11	602.53	23.59	600.05
B-44M	4	623.29	22.31	600.98	17.15	606.14	22.35	600.94	24.88	598.41
B-45M	1	612.12	23.01	589.11	21.56	590.56	22.27	589.85	23.07	589.05
B-46M	2	613.46	24.91	588.55	22.44	591.02	25.68	587.78	26.46	587.00
B-48M	2	625.40	22.84	602.56	16.24	609.16	22.01	603.39	24.77	600.63
B-49M	4	625.56	30.35	595.21	25.50	600.06	30.25	595.31	31.66	593.90
B-50M	2	616.47	13.48	602.99	8.90	607.57	13.35	603.12	15.45	601.02
B-51M	4	616.48	NM	NA	NA	NA	NA	NA	NA	NA
B-52M	TOR, 1	616.26	13.21	603.05	8.71	607.55	13.10	603.16	15.11	601.15
B-53M	2	616.14	13.15	602.99	8.62	607.52	13.08	603.06	15.18	600.96
B-54M	4	616.00	12.74	603.26	8.51	607.49	12.85	603.15	14.88	601.12
B-55M	5	615.59	25.91	589.68	23.32	592.27	30.51	585.08	33.91	581.68
B-56M	2	617.78	27.12	590.66	24.07	593.71	27.44	590.34	28.72	589.06
B-57M	2	617.80	28.45	589.35	25.77	592.03	28.86	588.94	29.90	587.90
B-58M	3	617.99	26.21	591.78	23.26	594.73	26.51	591.48	27.89	590.10
B-59M	4	625.53	26.46	599.07	21.51	604.02	26.08	599.45	28.18	597.35
B-60M	3	625.67	22.78	602.89	16.06	609.61	21.98	603.69	24.75	600.92
B-61M	2	625.72	22.47	603.25	15.51	610.21	21.65	604.07	24.51	601.21
B-62M	5	624.14	6.74	617.40	5.68	618.46	15.55	608.59	20.07	604.07
B-63M	1	624.04	20.60	603.44	13.60	610.44	19.65	604.39	22.79	601.25
B-64M	2	624.05	20.42	603.63	14.02	610.03	20.06	603.99	22.93	601.12
B-65M	3	623.98	20.90	603.08	14.47	609.51	20.30	603.68	23.02	600.96
B-66M	2	625.54	22.15	603.39	15.20	610.34	21.30	604.24	24.20	601.34
B-67M	1	625.59	18.15	607.44	14.56	611.03	17.62	607.97	18.63	606.96

Notes:
1. Zone monitored indicates bedrock zone monitored, top of rock (TOR), 1, 2, 3, 4, or 5.
2. Data collected by Parsons.
NM - not measured
NA - not applicable
ft - feet

TABLE 4
SUMMARY OF GROUNDWATER MONITORING PROGRAM
Former Carborundum Facility
Wheatfield, New York

Well No.	GROUNDWATER SAMPLING			
	JAN	APR	JUL	OCT
B-3M			S	
B-4M			S	
B-5M			S	
B-6M	S	S	S	S
B-7M			S	
B-8M	S	S/LF/NA	S	S
B-9M	S	S	S	S
B-10M		S/LF/NA	S	S
B-11M			S	
B-12M			S	
B-13M	S	S/LF/NA	S	S
B-14M			S	
B-15M			S	
B-16M			S	
B-17M	S	S/LF/NA	S	S
B-18M			S	
B-19M	S	S/LF/NA	S	S
B-20M			S	
B-21M	S	S	S	S
B-22M	S	S/LF/NA	S	S
B-23M	S	S/LF/NA	S	S
B-24M	S	S	S	S
B-25M				
B-26M			S	
B-27M				
B-28M	S	S	S	S
B-29M			S	
B-31M			S	
B-32M			S	
B-33M			S	
B-34M				
B-35M				
B-37M				
B-38M	S	S	S	S
B-39M	S	S/LF/NA	S	S
B-40M	S	S/LF/NA	S	S
B-41M	S	S/LF/NA	S	S
B-42M	S	S/LF/NA	S	S
B-43M	S	S/LF/NA	S	S
B-44M	S	S/LF/NA	S	S
B-45M			S	
B-46M			S	
B-48M	S	S/LF/NA	S	S
B-49M	S	S/LF/NA	S	S
B-50M			S	
B-51M			S	
B-52M			S	
B-53M			S	
B-54M			S	
B-55M			S	
B-56M	S	S	S	S
B-57M	S	S	S	S
B-58M			S	
B-59M			S	
B-60M			S	
B-61M			S	
B-62M			S	
B-63M			S	
B-64M			S	
B-65M			S	
B-66M			S	
B-67M			S	
P-2	S	S	S	S
P-3	S	S	S	S
P-4	S	S	S	S
PW-1	S	S	S	S
PW-3	S	S	S	S
PW-4	S	S	S	S
Quarry		S		S

Notes: 1. S indicates that groundwater sampling and analysis will be performed. LF indicates low flow sampling.
NA Indicates that natural attenuation sampling and analysis will be performed.
2. July was selected as the annual sampling event.
3. The well sampling may change as the groundwater remediation program alters the plume configuration.
4. Water levels are to be collected from every well, on a quarterly basis.

Table 5
Updated Groundwater Monitoring Well Network and Sampling Frequency
Former Carborundum Facility
Sanborn, New York

Well No.	Annual Sampling (Spring)	Semi-annual Sampling (Fall)	Zone Monitored
B-3M	X	X	TOR
B-7M	X		TOR
B-9M	X	X	TOR
B-12M	X	X	TOR
B-14M	X		TOR
PW-3	X	X	TOR
B-16M	X		TOR,1
B-6M	X	X	TOR,1
B-8M	X		TOR,1
B-10M	X		TOR,1
B-13M	X		TOR,1
B-17M	X		TOR,1
B-21M	X	X	TOR,1
B-22M	X	X	TOR,1
B-23M	X	X	TOR,1
B-24M	X		TOR,1
B-52M	X		TOR,1
P-4	X	X	TOR,1
PW-4	X	X	TOR,1
B-11M	X		1
B-28M	X	X	1
B-32M	X		1
P-2	X	X	1
P-3	X	X	1
PW-1	X	X	1
B-29M	X		1,2
B-38M	X	X	1,2
Quarry	X	X	1,2
B-39M	X		2
B-42M	X		2
B-46M	X		2
B-48M	X		2
B-50M	X	X	2
B-53M	X		2
B-56M	X		2
B-18M	X		3
B-19M	X		3
B-40M	X		3
B-43M	X		3
B-41M	X		4
B-44M	X		4
B-49M	X		4
T-002	X	X	-
	43	18	

Notes:

1. X indicates that groundwater sampling and analysis will be performed using low-flow sampling methods.
2. Wells to be sampled for VOCs only. MNA parameters may be added at a later date pending refinement of site conceptal model.
3. Groundwater levels are to be collected from all wells on a quarterly basis. All wells not shown here.

Table 6

Groundwater Sampling Field Parameter Data (January 2016)
January 2016 Quarterly Sampling Event
Former Carborundum Company
Wheatfield, New York

Monitoring Well ID	Date	Time	pH (standard units)	Specific Conductance (mS/cm)	Temperature (deg C)	Turbidity (NTU)	Comments
P-2	1/6/2016	14:25	6.97	1.09	11.1	1.6	Pumping well
P-3	1/6/2016	14:10	7.45	1.30	9.8	2.31	Pumping well
P-4	1/6/2016	14:00	7.31	1.40	9.8	3.81	Pumping well
PW-1	1/5/2016	11:25	7.32	0.93	9.8	6.66	Pumping well
PW-3	1/5/2016	12:30	7.05	1.73	9.5	11.8	Pumping well
PW-4	1/6/2016	14:35	6.78	1.09	12.6	40.5	Pumping well
B-6M	1/7/2016	8:40	7.08	1.92	9.5	157	
B-8M	1/5/2016	11:45	6.94	2.73	10.2	484	
B-9M	1/5/2016	15:15	6.82	0.9	8.9	723	
B-13M	1/6/2016	11:35	6.86	1.15	10.5	54.9	
B-17M	1/5/2016	10:45	6.94	0.87	10.4	197	
B-19M	NA	NA	NA	NA	NA	NA	Insufficient groundwater to purge and sample well.
B-21M	1/6/2016	9:20	6.82	1.03	9.9	506	
B-22M	1/6/2016	9:55	6.76	1.16	10.02	30.1	
B-23M	1/7/2016	9:10	6.9	1.15	10.0	8.14	
B-24M	1/7/2016	11:00	6.76	1.19	9.4	21.5	
B-28M	1/6/2016	10:30	6.89	1.19	9.6	370	
B-38M	1/6/2016	8:30	6.89	1.21	9.6	33.0	
B-39M	1/5/2016	14:35	6.83	1.03	10.5	25.7	
B-40M	1/5/2016	13:45	6.75	1.25	10.1	18.9	
B-41M	1/5/2016	13:00	6.86	2.14	9.4	11.0	
B-42M	1/5/2016	10:00	7.01	0.90	10.7	11.4	
B-43M	1/5/2016	9:20	7.03	1.66	8.6	8.98	
B-44M	1/5/2016	8:45	6.79	2.59	10.7	25.4	
B-48M	1/6/2016	12:05	6.86	1.03	9.6	27.9	
B-49M	1/6/2016	12:50	6.76	2.75	9.9	35.5	
B-56M	1/7/2016	10:25	6.95	1.62	9.3	39.8	
B-57M	1/7/2016	9:55	6.69	2.08	9.5	15.5	
T-002	1/7/2016	11:45	7.43	1.64	16.8	14.8	

Note: Data collected by Parsons.
deg C - degrees Celcius
mS/cm - milli Siemens per centimeter
NTU - nephelometric turbidity unit
NA - not applicable

Table 7

Summary of Analytical Results
January 2016 Quarterly Sampling Event
Former Carborundum Facility
Sanborn, New York

Well ID	Lab Sample ID	Sample Date	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	total-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Tetrachloroethene (µg/L)
P-2	8197839	1/6/2016	0	0	340	69	0	4.9 J	510	514.9	2,500	2,600	15	0
P-3	8197840	1/6/2016	0	0	0	0	0	3.2	34	37.2	0	0	2.9	0
P-4	8197841	1/6/2016	0	0	22	5.1	0	8.7	590	598.7	20	860	1.4	0.77 J
PW-1	8197709	1/5/2016	0	0	1.2	0	0	0.75 J	41	41.75	4.9	280	0	0
PW-3	8197707	1/5/2016	0	0	0	1.9 J	0	2.8	680	682.8	0	1,300	1.5 J	1.4 J
PW-4	8197838	1/6/2016	0	0	53	4.4	0	2.4	270	272.4	110	460	75	0.69 J
B-6M	8199648	1/7/2016	0	0	0	0	0	0	2.9	2.9	0	55	0	0
B-8M	8197708	1/5/2016	0	0	0	0	0	0	2,500	2,500	0	27,000	53	0
B-9M	8197702	1/5/2016	0	0	0	0	0	0	2.4	2.4	0	16	0	4.4
B-13M	8197846	1/6/2016	0	0	4.5	2.7	0	8.7	450	458.7	0.78 J	190	5.8	0
B-17M	8197712	1/5/2016	0	0	48	28	0	20	4,300	4,320	39	6,400	350	0
B-21M	8197849	1/6/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-22M	8197848	1/6/2016	0	0	0	0	0	0	22	22	0	5	0.71 J	0
B-23M	8199647	1/7/2016	0	0	1.3	0	0	0	200	200	0	22	29	0
B-24M	8199643	1/7/2016	0	0	0	0	0	0	2.1	2.1	0	4.6	0	0
B-28M	8197847	1/6/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-38M	8197850	1/6/2016	0	0	0.54 J	0.65 J	0	0.67 J	44	44.67	0	27	0.86 J	0
B-39M	8197704	1/5/2016	0	0	0	0	0	0	2.1	2.1	0	7.9	0	0
B-40M	8197705	1/5/2016	0	0	0	0	0	0.8 J	6	6.8	0	5.9	0	0
B-41M	8197706	1/5/2016	0	0	0	0	0	0	6.4	6.4	0	0	2.8	0
B-42M	8197714	1/5/2016	0	0	0	0	0	0	5.4	5.4	0	2.9	0	0
B-43M	8197715	1/5/2016	0	0	0	0	0	0	6	6	0	0	2.5	0
B-44M	8197713	1/5/2016	0	0	6.5	0	0	0.6 J	8.5	9.1	0	2.5	4	0
B-48M	8197843	1/6/2016	0	0	0	0	0	0	0	0	0	0.5 J	0	0
B-49M	8197842	1/6/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-56M	8199644	1/7/2016	0	0	0	0	0	0	23	23	0	99	0	0
B-57M	8199642	1/7/2016	0	0	0	0	0	0	0	0	0	0	0	0
T-002	8199641	1/7/2016	0	0	9	1.6	0	1.1	210	211.1	2.3	96	25	0

µg/L - microgram per liter
ID - identification
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - Result is less than the sample detection limit.
Note: Zero value indicates non-detect at respective reporting limit. Refer to Appendix C for reporting limit values.

Table 8

Groundwater Sampling Field Parameter Data (December 2016)
December 2016 Semi-annual Sampling Event
Former Carborundum Company
Wheatfield, New York

Monitoring Well ID	Date	Time	pH (standard units)	Specific Conductance (mS/cm)	Dissolved Oyxgen (mg/L)	Oxidation Reduction Potential (mV)	Temperature (deg C)	Turbidity (NTU)	Comments
P-2	12/8/2016	15:00	NM	NM	NM	NM	NM	NM	Pumping well
P-3	12/9/2016	10:40	NM	NM	NM	NM	NM	NM	Pumping well
P-4	12/8/2016	14:40	NM	NM	NM	NM	NM	NM	Pumping well
PW-1	12/9/2016	13:05	NM	NM	NM	NM	NM	NM	Pumping well
PW-3	12/8/2016	14:20	NM	NM	NM	NM	NM	NM	Pumping well
PW-4	12/9/2016	16:00	NM	NM	NM	NM	NM	NM	Pumping well
B-3M	12/12/2016	11:00	7.43	1.36	2.13	-2	8.3	195.0	
B-6M	12/7/2016	15:55	7.09	1.69	0.01 U	12	9.44	16.2	
B-7M	12/12/2016	10:25	7.08	0.697	0.01 U	-25	11.03	10.2	
B-8M	12/8/2016	11:15	7.16	1.29	4.03 J	189	12.22	0.1 U	
B-9M	12/9/2016	13:15	7.17	0.751	0.89	110	9.58	103.0	
B-10M	12/8/2016	16:25	7.26	1.78	2.31	76	11.24	2.3	
B-11M	12/12/2016	12:40	7.44	1.75	5.45	22	11.13	6.3	
B-13M	12/9/2016	12:40	7.28	0.881	0.01 U	-171	11.17	0.1 U	
B-14M	12/12/2016	12:45	7.39	0.710	1.45	130	11.91	3.1	
B-16M	12/12/2016	14:00	7.15	1.16	7.81	43	9.16	9.8	
B-17M	12/9/2016	13:00	7.29	0.636	1.83	16	11.38	2.9	
B-18M	12/8/2016	11:30	7.03	0.998	1.41	-89	11.43	0.1 U	
B-19M	NA	NA	NA	NA	NA	NA	NA	NA	Insufficient groundwater to purge and sample well.
B-21M	12/6/2016	15:35	7.08	0.995	1.37	107	12.87	26.6	
B-22M	12/6/2016	15:15	6.87	0.991	0.01 U	14	11.66	13.8	
B-23M	12/5/2016	15:40	7.07	0.878	0.01 U	108	8.95	3.9	
B-24M	12/6/2016	10:38	7.06	1.04	2.47	36	10.56	8.4	
B-28M	12/7/2016	11:40	7.18	1.09	2.30	105	9.59	42.1	
B-29M	12/5/2016	13:50	6.94	0.795	0.01 U	19	10.85	8.3	
B-32M	12/5/2016	10:55	6.9	1.00	5.76	-57	8.55	2.6	
B-38M	12/6/2016	12:40	6.73	0.833	4.07	41	10.33	1.5	
B-39M	12/8/2016	16:10	7.11	0.959	0.01 U	-74	12.00	0.1 U	
B-40M	12/8/2016	15:25	7.31	1.07	0.01 U	-163	11.31	0.01 U	
B-41M	12/8/2016	14:00	7.07	1.19	0.01 U	-97	11.31	2.2	
B-42M	12/9/2016	15:40	7.05	0.90	0.01 U	-145	11.15	0.1 U	
B-43M	12/12/2016	10:50	7.20	1.09	1.61	-88	10.08	0.1 U	
B-44M	12/9/2016	14:20	8.00	2.67	0.01 U	-335	10.84	0.1 U	
B-46M	12/5/2016	12:35	6.96	0.883	0.01 U	16	10.28	8.0	
B-48M	12/9/2016	11:15	6.84	0.885	0.01 U	-153	10.58	0.1 U	
B-49M	12/9/2016	10:05	6.97	3.01	0.01 U	-299	10.13	0.1 U	
B-50M	12/7/2016	16:20	7.10	0.803	1.18	47	10.43	2.3	
B-52M	12/7/2016	14:35	6.94	0.745	7.28	158	10.87	0.1 U	
B-53M	12/7/2016	14:00	6.81	0.756	0.01 U	65	10.65	7.1	
B-56M	12/6/2016	10:30	7.04	1.10	0.01 U	-86	10.12	1.3	
Tank-002	1/10/2017	14:00	NM	NM	NM	NM	NM	NM	
QUARRY	12/6/2016	12:25	NM	NM	NM	NM	NM	NM	

deg C - degrees Celcius
mS/cm - milli Siemens per centimeter
NTU - nephelometric turbidity unit
NA - not applicable
NM - not measured

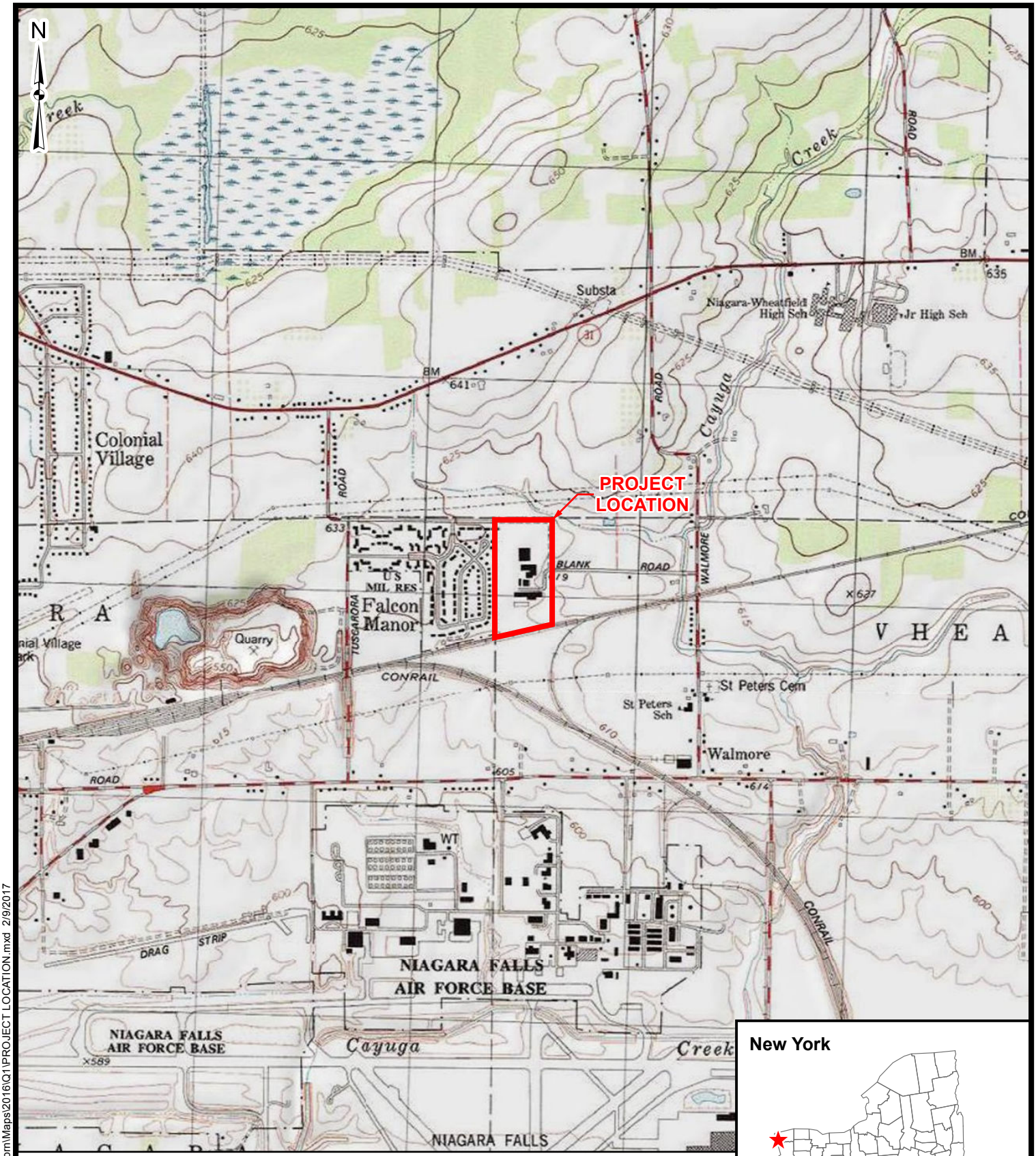
Table 9

Summary of Analytical Results
December 2016 Quarterly Sampling Event
Former Carborundum Facility
Sanborn, New York

Well ID	Lab Sample ID	Sample Date	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	total-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Tetrachloroethene (µg/L)
P-2	240-73270-12	12/8/2016	0	0	190 J	60 J	0	0	540	540	1,200	5,100	0	0
P-3	240-73270-21	12/9/2016	0	0	0	0	0.8 J	3.5	45	48.5	0	0.61 J	2.2	0
P-4	240-73270-11	12/8/2016	0	0	16	0	0	0	52	52	0	140	10 J	0
PW-1	240-73270-23	12/9/2016	0	0	0	0	150 J	0	430	430	0	2,200	0	0
PW-3	240-73270-10	12/8/2016	0	0	0	0	0	0	350	350	0	920	0	0
PW-4	240-73270-22	12/9/2016	0	0	6.6 J	0	12 J	0	340	340	0	480	0	0
B-3M	240-73361-6	12/12/2016	0	0	0.72 J	0	2	0.65 J	44	44.65	0	7.1	36	0
B-6M	240-73270-5	12/7/2016	0	0	0	0	0	0	22	22	0	240	0	0
B-7M	240-73361-1	12/12/2016	0	0	0	0	0	0	1.4	1.4	0	5.2	0	0
B-8M	240-73270-7	12/8/2016	0	0	0	0	1,300 J	0	2,200	2,200	0	40,000	0	0
B-9M	240-73270-24	12/9/2016	0	0	0	0	0	0	0.57 J	0.57 J	0	1.8	0	2.9
B-10M	240-73270-15	12/8/2016	0	0	0.89 J	0.46 J	0	0.74 J	9.7	10.44	3.7	39	0	0
B-11M	240-73361-3	12/12/2016	0	0.98 J	0	0	3.6	0	3.3	3.3	0	62	0	1.5 J
B-13M	240-73270-18	12/9/2016	0	0	0	0	0	13 J	750	763	0	260	0	0
B-14M	240-73361-4	12/12/2016	0	0	0	0	8	0	5.4	5.4	0	110	0	0
B-16M	240-73361-5	12/12/2016	0	0	0	0	0	0.33 J	2.5	2.83	0	0.69 J	0	0
B-17M	240-73270-19	12/9/2016	0	0	0	0	150 J	0	4,100	4,100	0	3,200	1,500	0
B-18M	240-73270-8	12/8/2016	0	0	0	0	0	0.49 J	16	16.49	0	0	11	0
B-21M	240-73125-10	1/6/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-22M	240-73125-9	12/6/2016	0	0	0	0	0	0.56 J	37	37.56	0	7.7	2.1	0
B-23M	240-73125-4	12/5/2016	0	0	0	0	0	0	140	140	0	0	24	0
B-24M	240-73125-6	12/6/2016	0	0	0	0	0	0	2.1	2.1	0	1.6	0	0
B-28M	240-73270-1	12/7/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-29M	240-73125-3	12/5/2016	0	0	0	0		0	7	7	0	0	1.4	0
B-32M	240-73125-1	12/5/2016	0	0	0	0	0	0.90 J	21	21.9	0	2.2	10	0
B-38M	240-73125-8	12/6/2016	0	0	0.43 J	0.55 J	0	0.45 J	36	36.45	0	14	2.5	0
B-39M	240-73270-14	12/8/2016	0	0	0	0	0	0.72 J	10	10.72	0	38	0	0
B-40M	240-73270-13	12/8/2016	0	0	0	0	0	0.77 J	5.6	6.37	0	5.4	0	0
B-41M	240-73270-9	12/8/2016	0	0	0	0	0	0	7.5	7.5	0	0	4.4	0
B-42M	240-73270-25	12/9/2016	0	0	0	0	0	1.5	16	17.5	0	7.3	1.2	0
B-43M	240-73361-2	12/12/2016	0	0	0	0	0	0	7.3	7.3	0	0.68 J	3.8	0
B-44M	240-73270-20	12/9/2016	5.9	4.4 J	4.9 J	0	3.8 J	0	0	0	0	0	0	0
B-46M	240-73125-2	12/9/2016	0	0	0	0	0	0.97 J	66	66.97	0	14	7.6	0
B-48M	240-73270-17	12/9/2016	0	0	0	0	0	0	0.33 J	0.33	0	0.66 J	0	0
B-49M	240-73270-16	12/9/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-50M	240-73270-4	12/7/2016	0	0	0	0	0	1.2 J	15	16.2	0	78	0	0
B-52M	240-73270-3	12/7/2016	0	0	0	0	0	0	0	0	0	0	0	0
B-53M	240-73270-2	12/7/2016	0	0	0	0	0	0	4.3	4.3	0	12	0.48 J	0
B-56M	240-73125-5	12/6/2016	0	0	0	0	0	0	48	48	0	330	0	0
QUARRY	240-73125-7	12/6/2016	0	0	0	0	0	0	0	0	0	0	0	0
T-002	240-74284-2	1/10/2017	0	0	3.0 J	0	5.6	0	93	93	0	50	2.2 J	0

µg/L - microgram per liter
ID - identification
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U - Result is less than the sample detection limit.
Note: Zero value indicates non-detect at respective reporting limit. Refer to Appendix C for reporting limit values.

Figures



Source: USA Topo Maps, ESRI Map Service;
1:24,000-scale USGS Topographic Map,
Ransomville, 1996
Tonawanda West, 1996

2,000 0 2,000 Feet



AECOM

FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
PROJECT LOCATION PLAN

FIGURE 1

J:\Projects\60481767_BPIP\MISC\GIS\Sanborn\Maps\2016\Q1\PROJECT LOCATION.mxd 2/9/2017



Legend

- Monitoring Well
- Monitoring Well (Abandoned)
- Recovery Well
- Recovery Well (Abandoned)

Source: ESRI World Imagery

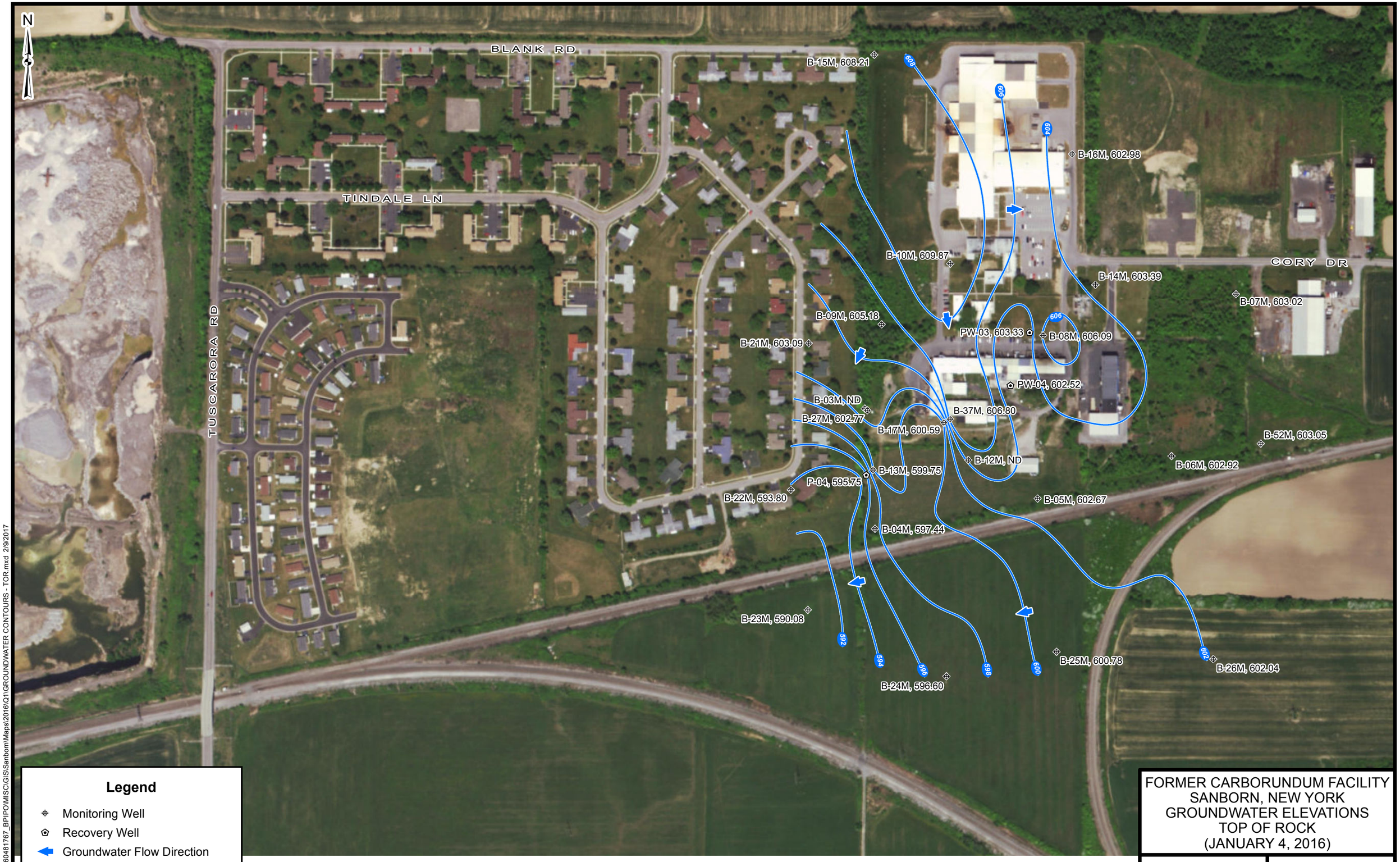
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FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
SITE PLAN

AECOM

FIGURE 2

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N

BLANK RD

TINDALE LN

TUSCARORA RD

CORY DR

B-15M, 608.21

B-67M, 607.44

B-63M, 603.44

B-16M, 602.98

B-10M, 609.87

B-11M, 604.72

B-08M, 606.09

B-21M, 603.09

PW-04, 602.52

P-02, 599.66

B-27M, 602.77

P-03, 600.75

PW-01, 592.08

B-17M, 600.59

B-52M, 603.05

B-06M, 602.92

B-13M, 599.75

P-04, 595.75

B-22M, 593.80

B-28M, 593.24

B-23M, 590.08

B-29M, 587.28

B-24M, 596.60

B-26M, 602.04

B-38M, 580.56

B-32M, 585.79

B-33M, 588.41

B-45M, 589.11

606

604

602

600

598

596

594

592

590

588

586

584

582

Legend

- Monitoring Well
- Recovery Well
- Groundwater Flow Direction
- Groundwater Elevation Contour

Source: ESRI World Imagery

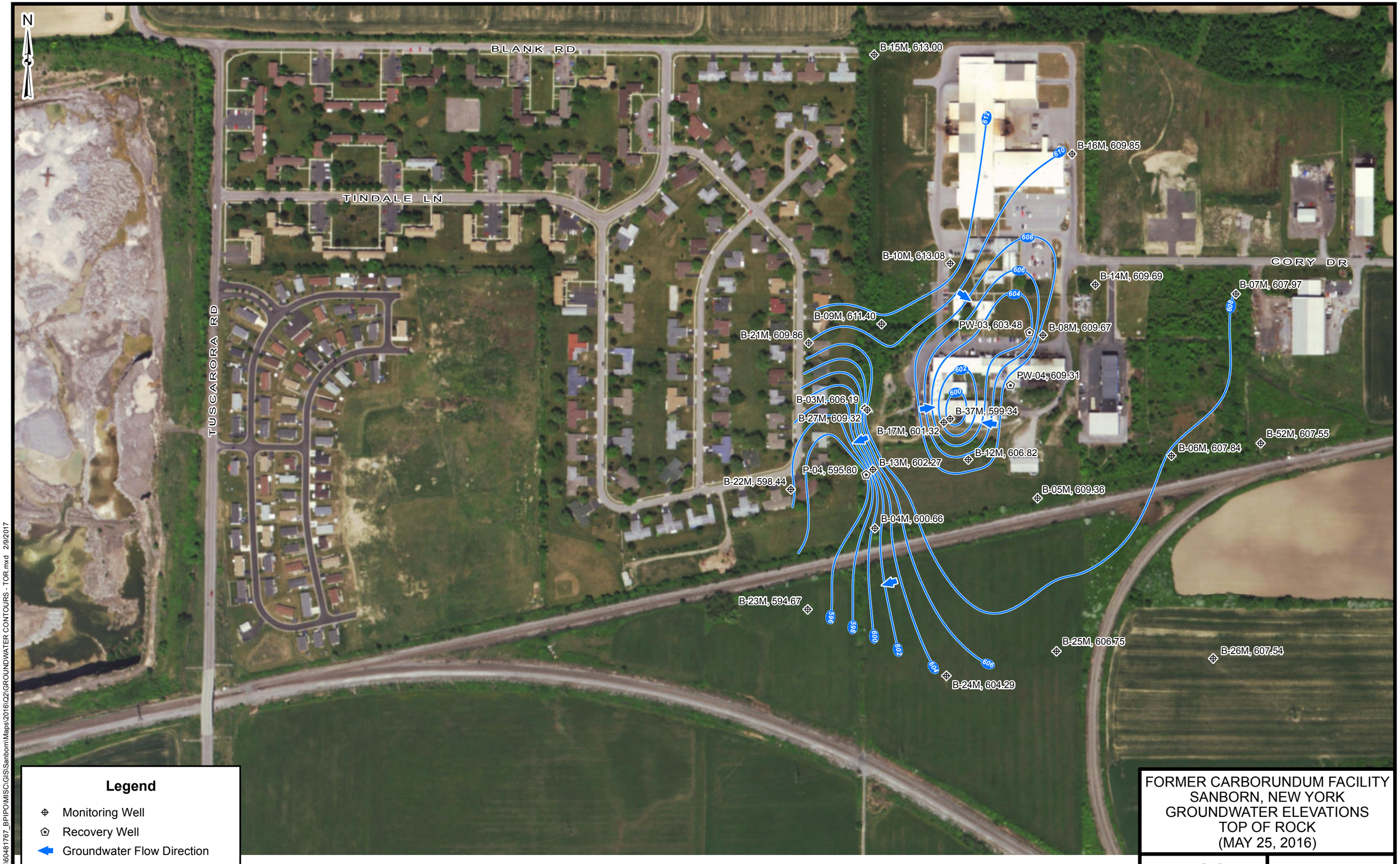
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FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
GROUNDWATER ELEVATIONS
ZONE 1
(JANUARY 4, 2016)

AECOM

FIGURE 4

J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q1\GROUNDWATER CONTOURS - Z1.mxd 2/9/2017



J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q2\GROUNDWATER CONTOURS - TOR.mxd 2/9/2017

N

BLANK RD

TINDALE LN

TUSCARORA RD

CORY DR

B-15M, 613.00
B-67M, 611.03
B-63M, 610.44
B-16M, 609.85
B-10M, 613.08
B-11M, 610.11
B-08M, 609.67
B-21M, 609.86
PW-04, 609.31
P-02, 596.07
B-27M, 609.32
P-03, 600.73
PW-01, 598.58
B-17M, 601.32
B-52M, 607.55
B-06M, 607.84
B-13M, 602.27
P-04, 595.80
B-28M, 597.57
B-22M, 598.44
B-23M, 594.67
B-29M, 590.77
B-26M, 607.54
B-24M, 604.29
B-38M, 581.91
B-32M, 587.47
B-33M, 590.82
B-45M, 590.56

612
610
608
606
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584
582

Legend

- Monitoring Well
- Recovery Well
- Groundwater Flow Direction
- Groundwater Elevation Contour

Source: ESRI World Imagery

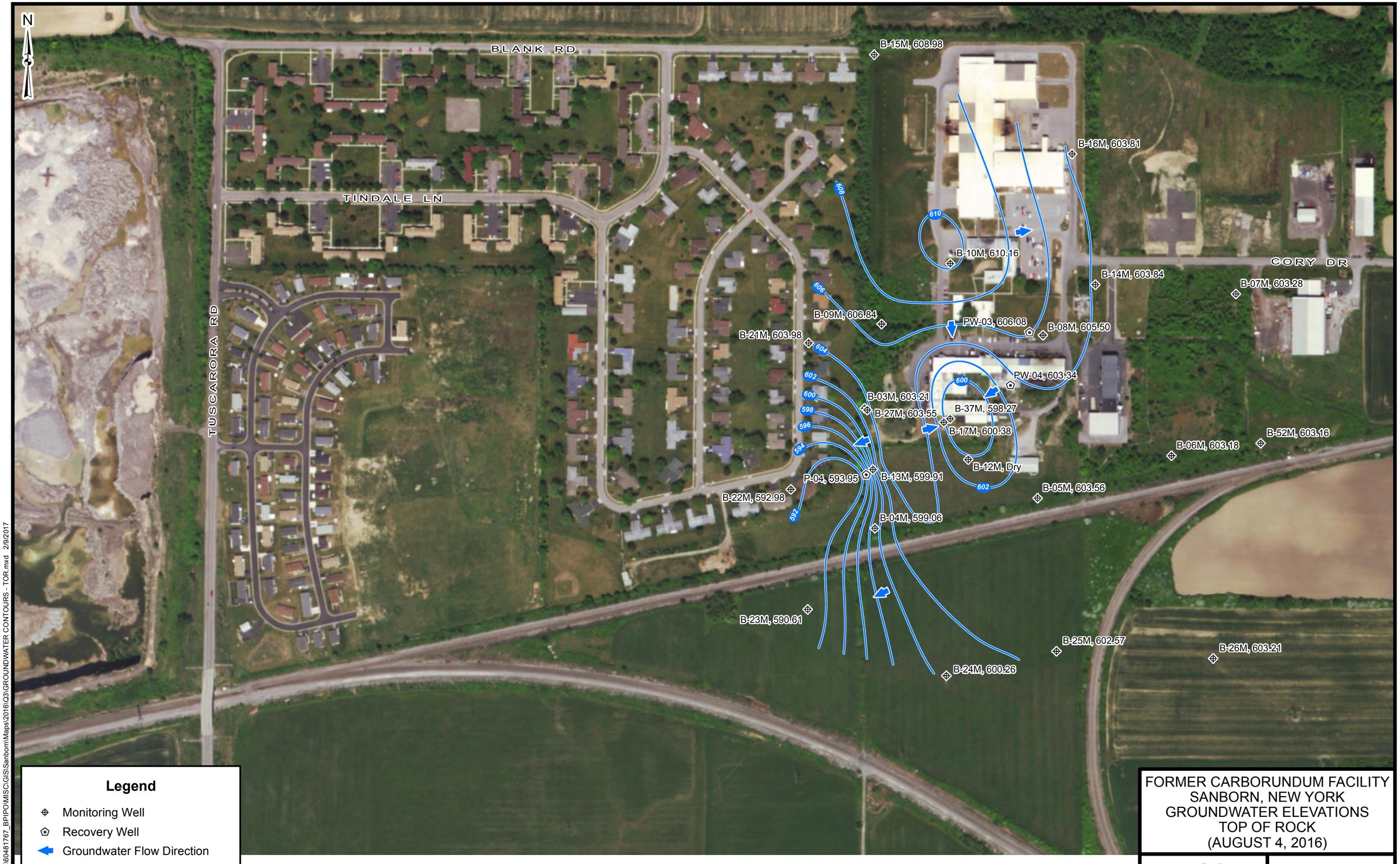
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FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
GROUNDWATER ELEVATIONS
ZONE 1
(MAY 25, 2016)

AECOM

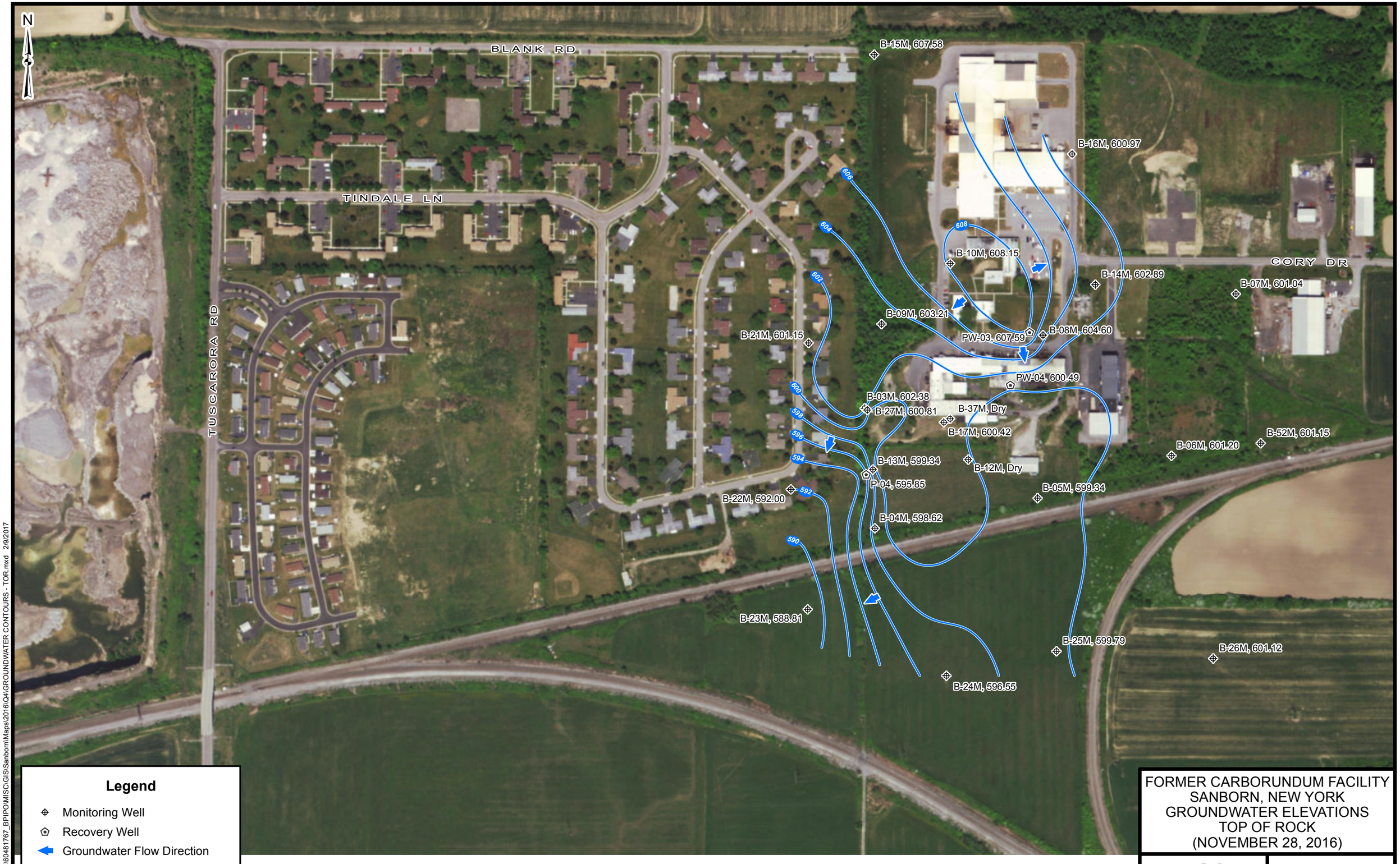
FIGURE 6

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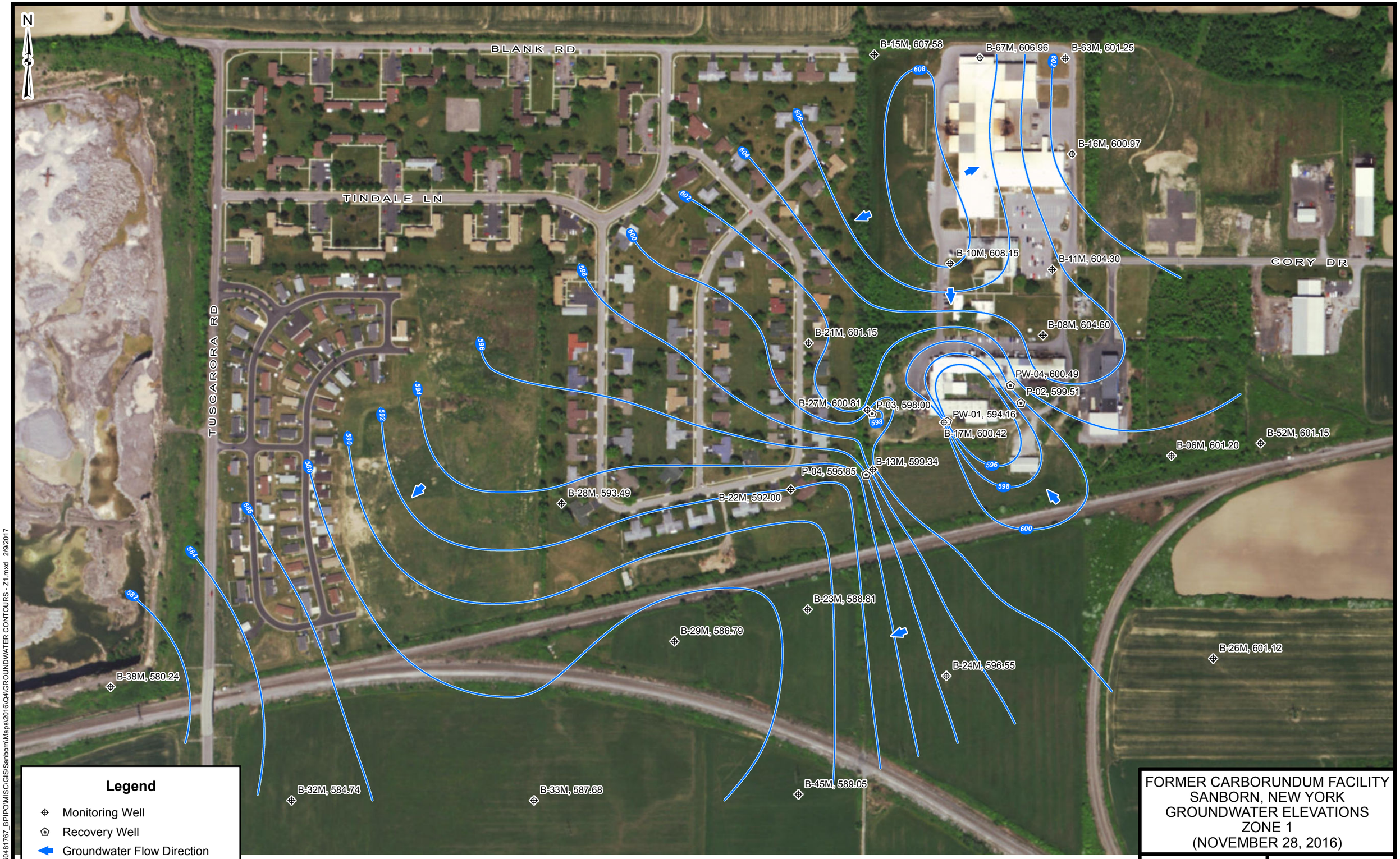


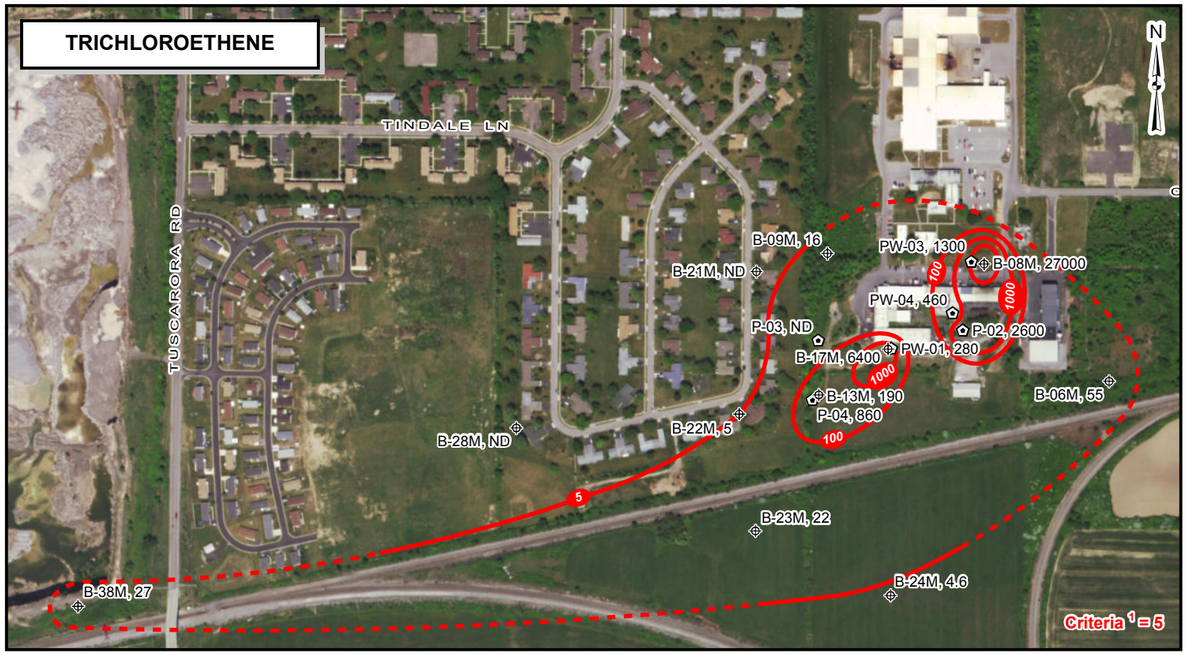
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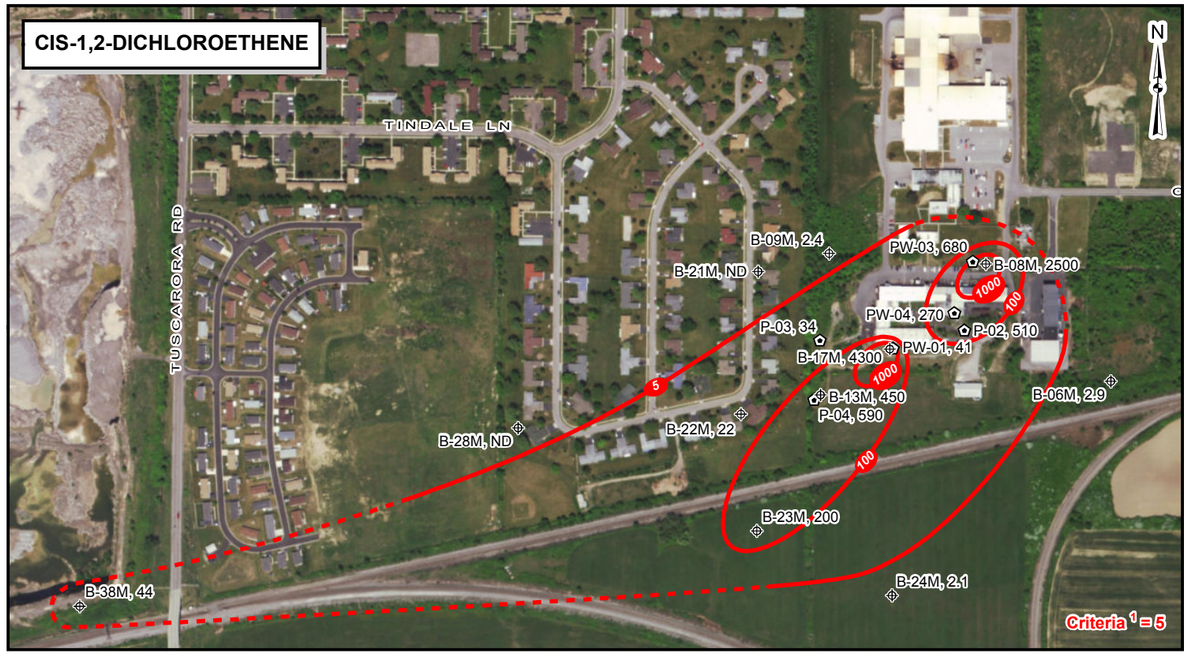

N
BLANK RD
TINDALE LN
TUSCARORA RD
CORY DR
B-15M, 608.98
B-67M, 607.97
B-63M, 604.39
B-16M, 603.81
B-10M, 610.16
B-11M, 604.92
B-08M, 605.50
B-21M, 603.98
PW-04, 603.34
P-02, 595.47
PW-01, 598.98
B-27M, 603.55
P-03, 601.68
B-17M, 600.38
B-52M, 603.16
B-06M, 603.18
B-13M, 599.91
P-04, 593.95
B-22M, 592.98
B-28M, 593.57
B-23M, 590.61
B-29M, 587.44
B-24M, 600.26
B-26M, 603.21
B-38M, 580.78
B-32M, 585.41
B-33M, 588.20
B-45M, 589.85
610
608
606
604
602
600
598
596
594
592
590
588
586
584
582
Legend
Monitoring Well
Recovery Well
Groundwater Flow Direction
Groundwater Elevation Contour
Source: ESRI World Imagery
300
0
300 Feet
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
GROUNDWATER ELEVATIONS
ZONE 1
(AUGUST 4, 2016)
AECOM
FIGURE 8
J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q3\GROUNDWATER CONTOURS - Z1.mxd 2/9/2017



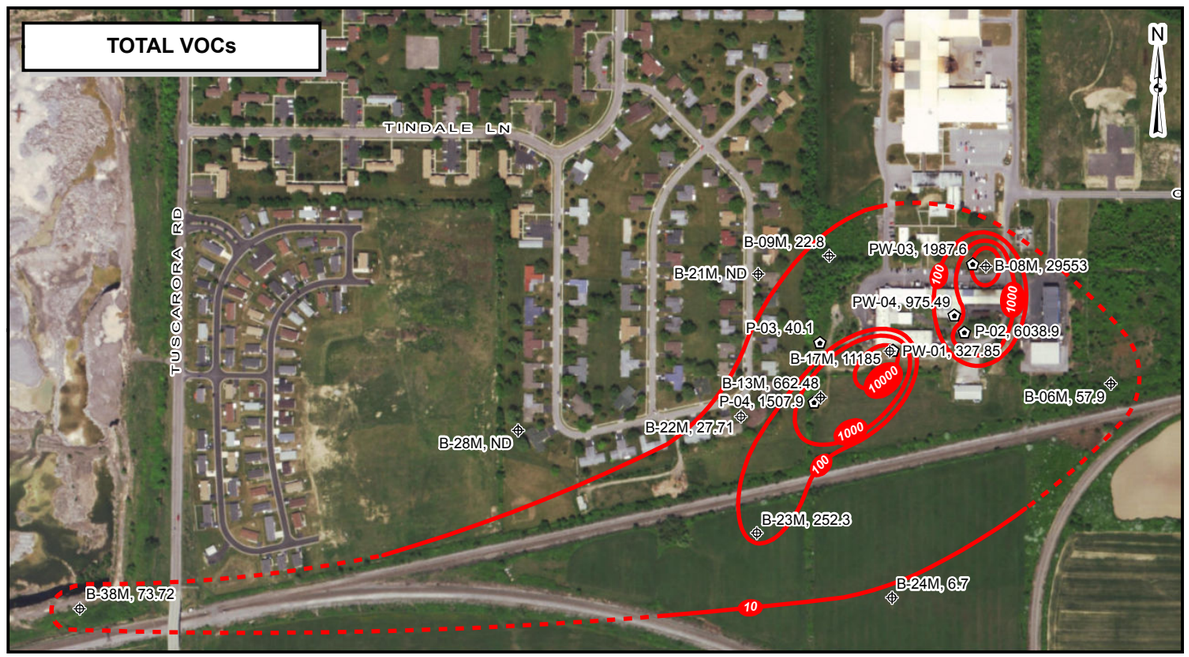
J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q4\GROUNDWATER CONTOURS - TOR.mxd 2/9/2017


N
BLANK RD
TINDALE LN
TUSCARORA RD
CORY DR
B-15M, 607.58
B-67M, 606.96
B-63M, 601.25
B-16M, 600.97
B-10M, 608.15
B-11M, 604.30
B-08M, 604.60
B-21M, 601.15
PW-04, 600.49
P-02, 599.51
B-27M, 600.81
P-03, 598.00
PW-01, 594.16
B-17M, 600.42
B-52M, 601.15
B-06M, 601.20
B-13M, 599.34
P-04, 595.85
B-28M, 593.49
B-22M, 592.00
B-23M, 588.81
B-29M, 586.79
B-26M, 601.12
B-24M, 596.55
B-38M, 580.24
B-32M, 584.74
B-33M, 587.68
B-45M, 589.05
608
606
604
602
600
598
596
594
592
590
588
586
584
582
Legend
Monitoring Well
Recovery Well
Groundwater Flow Direction
Groundwater Elevation Contour
Source: ESRI World Imagery
300
0
300 Feet
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
GROUNDWATER ELEVATIONS
ZONE 1
(NOVEMBER 28, 2016)
AECOM
FIGURE 10
J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q4\GROUNDWATER CONTOURS - Z1.mxd 2/9/2017









Legend

- Monitoring Well
- Recovery Well
- Isopleth Contour

Notes:
1. Criteria = NYSDEC TOGS 1.1.1 Ambient Water Quality Standards, Class GA
2. Units are shown in µg/L
3. ND = Not Detected

Source:
ESRI World Imagery

550 0 550 Feet

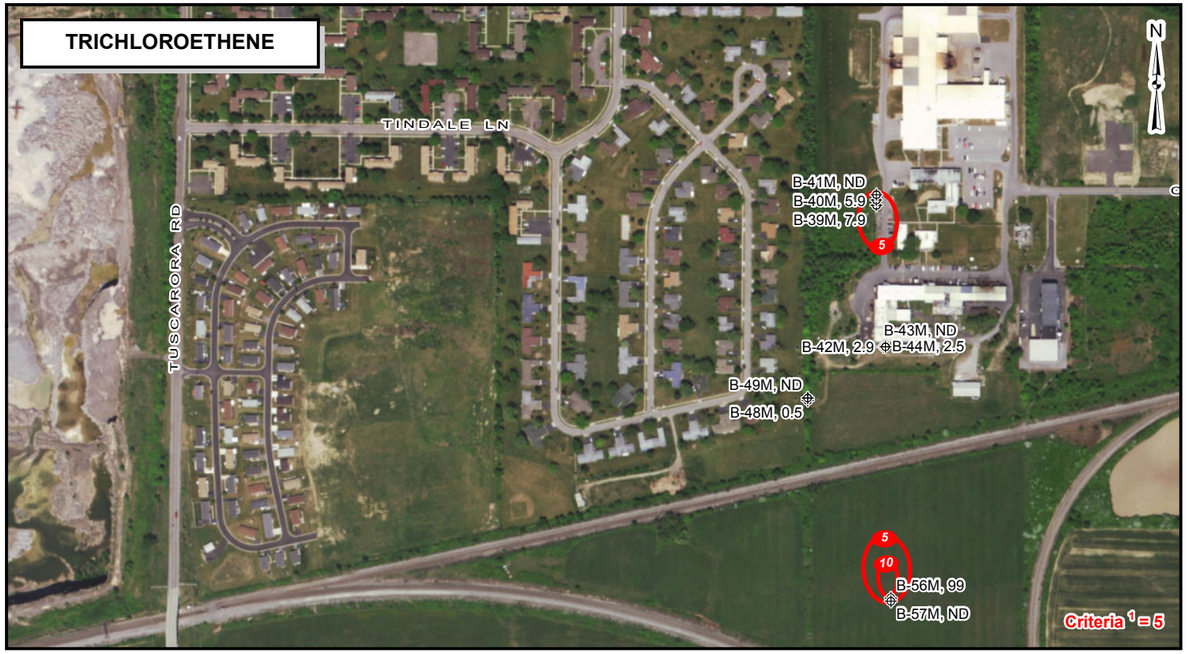
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
ISOPLETHS IN TOP OF ROCK AND ZONE 1
(JANUARY 2016)

AECOM

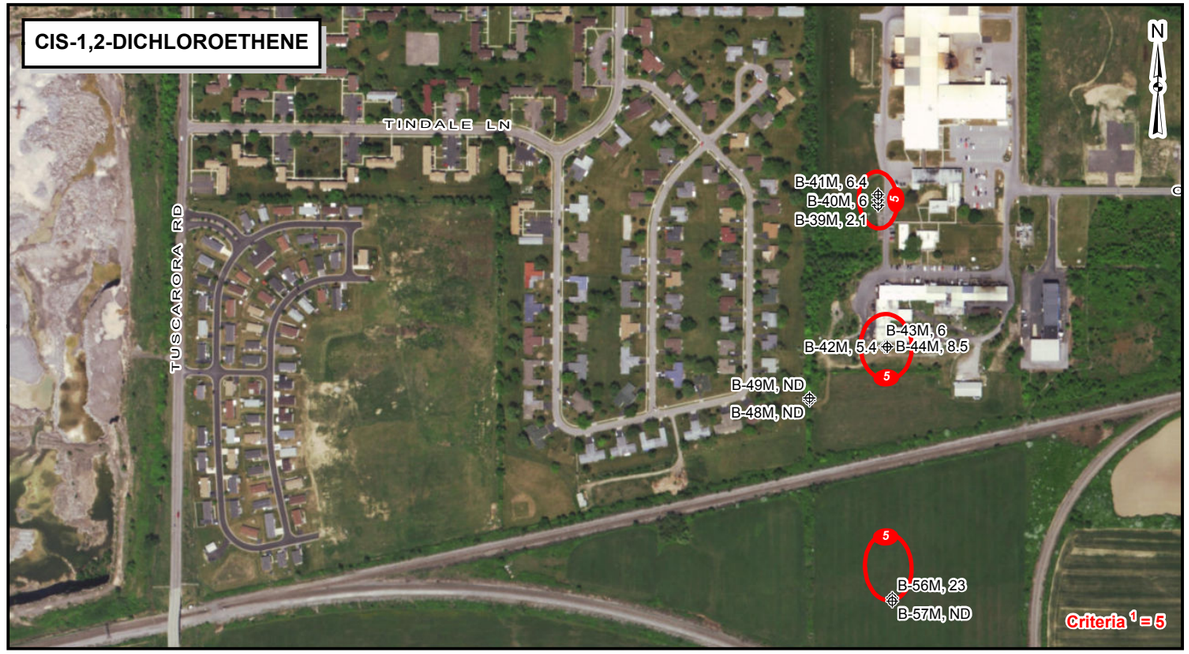
FIGURE 11

J:\Projects\60481767_BPIPO\MIS\GIS\Sanborn\Maps\2016Q1\ISOPLETHS - TOR & Z1.mxd 2/9/2017

TRICHLOROETHENE



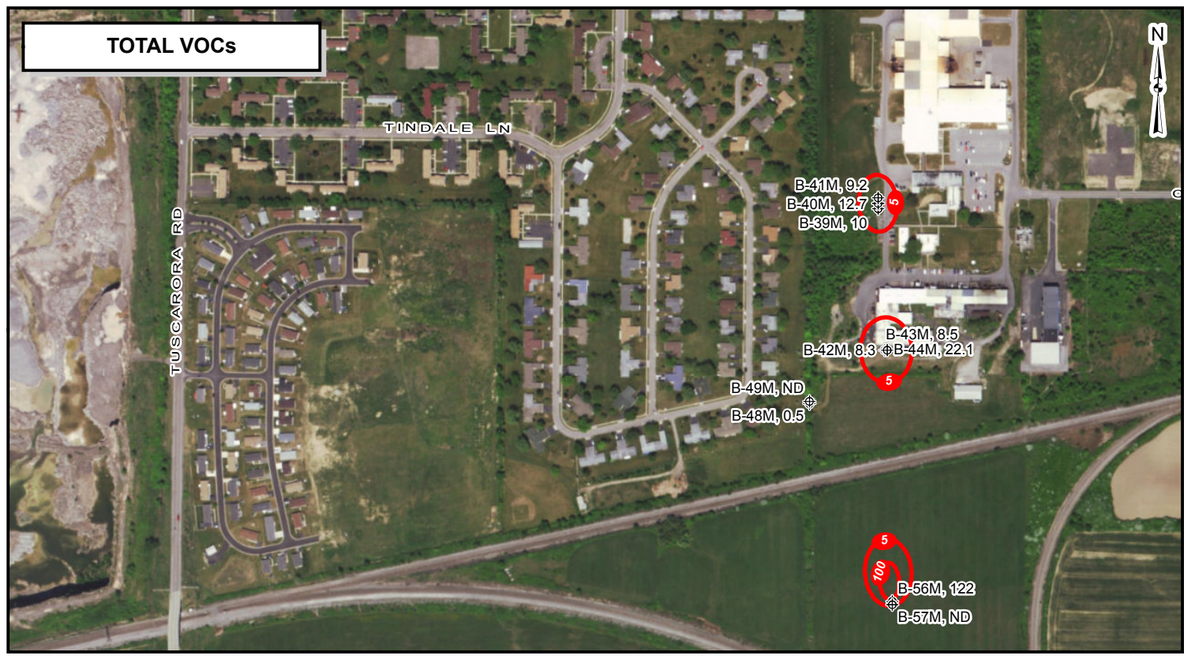
CIS-1,2-DICHLOROETHENE



VINYL CHLORIDE



TOTAL VOCs



Legend

- Monitoring Well
- Recovery Well
- Isopleth Contour

Notes:
1. Criteria = NYSDEC TOGS 1.1.1 Ambient Water Quality Standards, Class GA
2. Units are shown in µg/L
3. ND = Not Detected

Source:
ESRI World Imagery

550 0 550 Feet

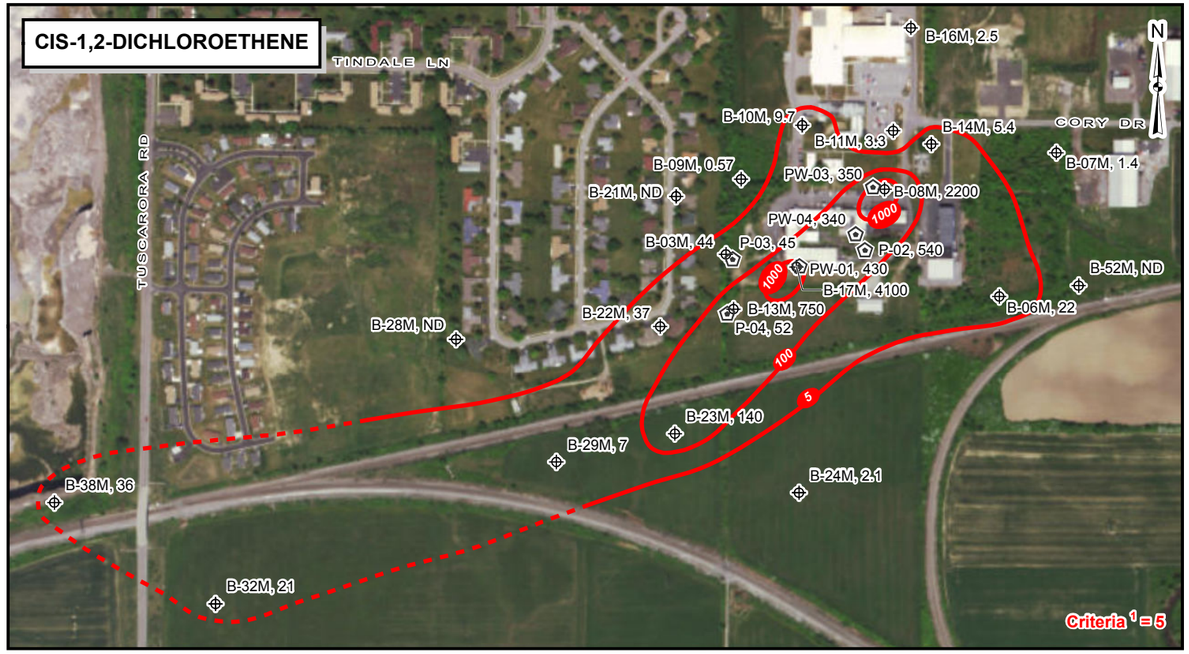
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
ISOPLETHS IN ZONES 2, 3, 4, & 5
(JANUARY 2016)

AECOM

FIGURE 12

J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016Q1\ISOPLETHS - Z2-5.mxd 2/9/2017









Legend

- Monitoring Well
- Recovery Well
- Isoconcentration Contour

Notes:
1. Criteria = NYSDEC TOGS 1.1.1 Ambient Water Quality Standards, Class GA
2. Units are shown in µg/L
3. ND = Not Detected

Source:
ESRI World Imagery

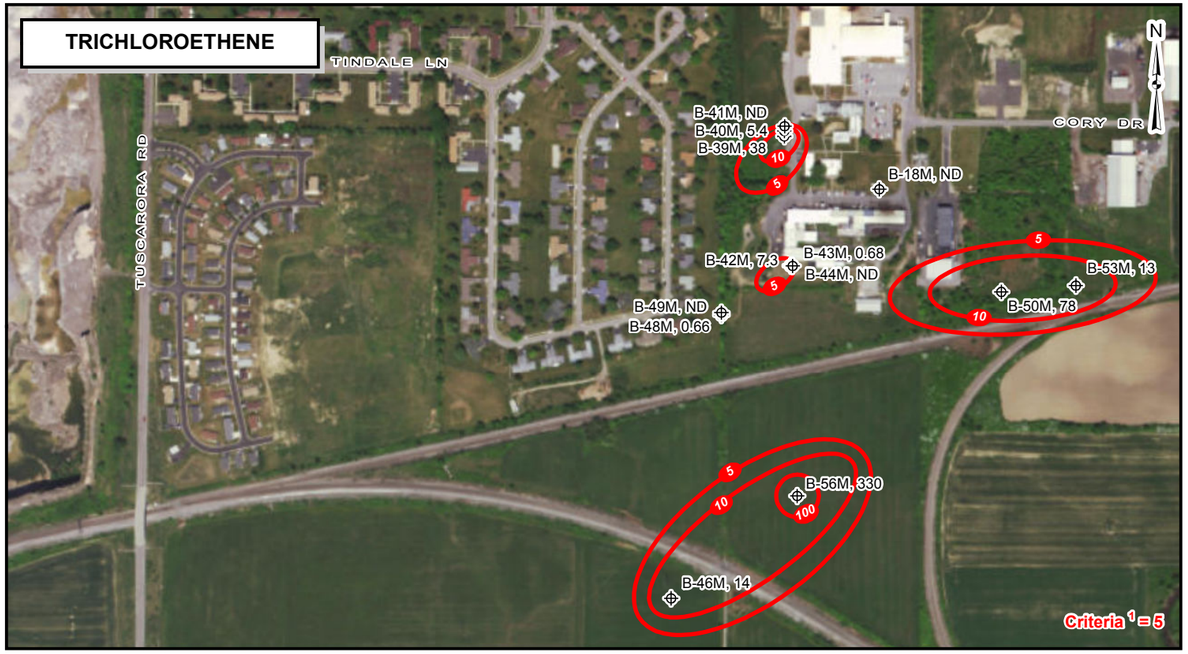
600 0 600 Feet

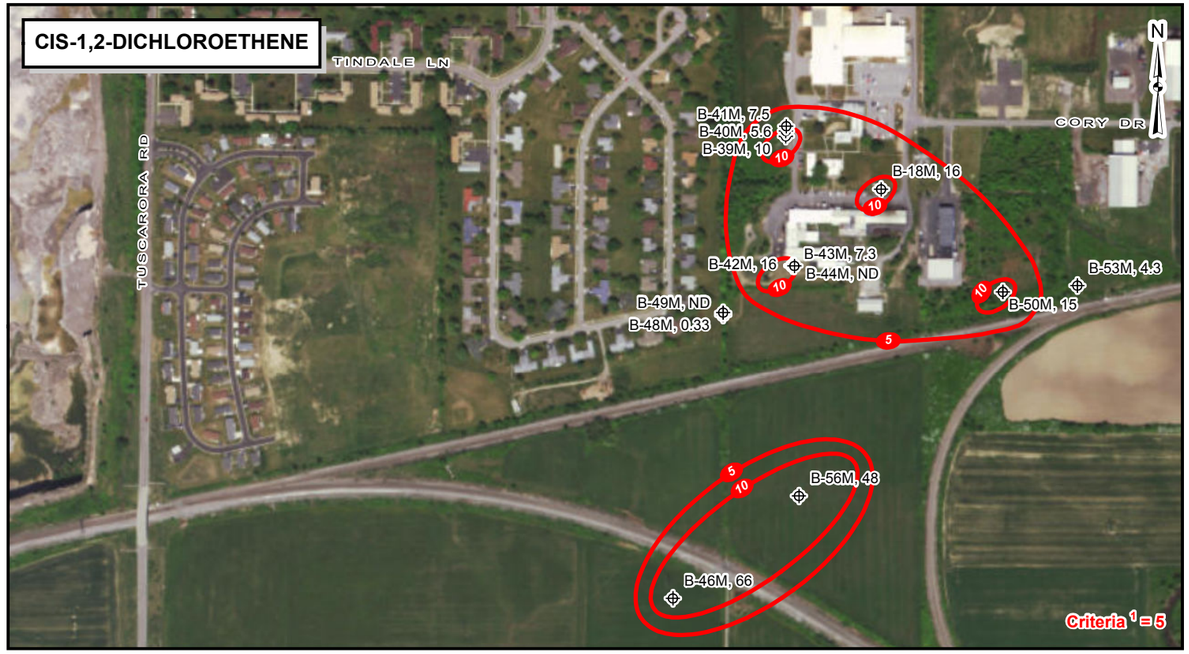
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
ISOCONTOURS IN TOP OF ROCK AND ZONE 1
(DECEMBER 2016)

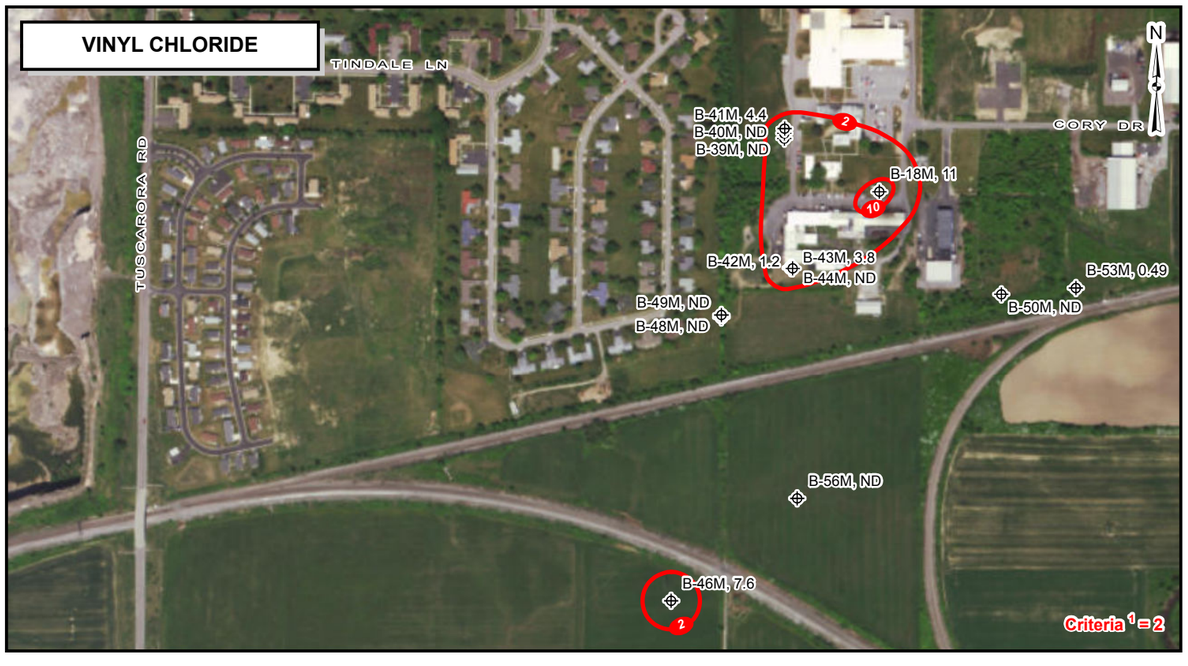
AECOM

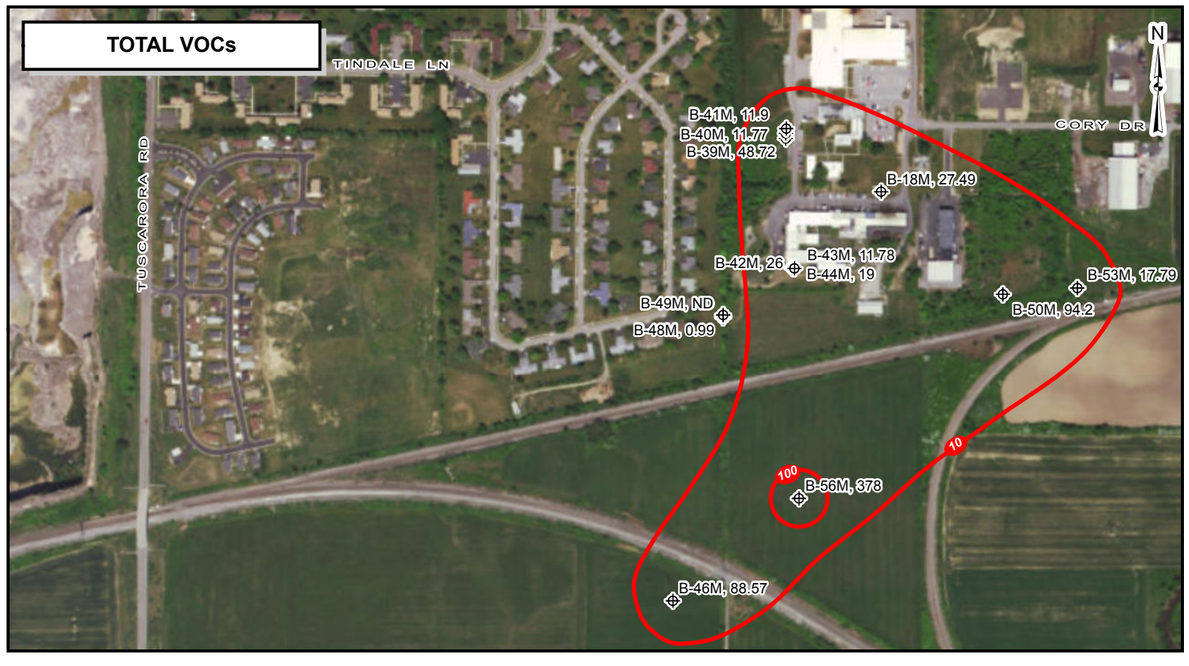
FIGURE 13

J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q4\ISOPLETHS - TOR & Z1.mxd 2/9/2017









Legend

- Monitoring Well
- Recovery Well
- Isoconcentration Contour

Notes:
1. Criteria = NYSDEC TOGS 1.1.1 Ambient Water Quality Standards, Class GA
2. Units are shown in µg/L
3. ND = Not Detected

Source:
ESRI World Imagery

600 0 600 Feet

FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK
ISOCONTOURS IN ZONES 2, 3, 4, & 5
(DECEMBER 2016)

AECOM

FIGURE 14

J:\Projects\60481767_BPIPO\MISC\GIS\Sanborn\Maps\2016\Q4\ISOPLETHS - 22-5.mxd 2/9/2017

Appendix A

Institutional and Engineering Control Certification Form (2016)

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. 932102

Site Name Carborundum Specialty Products

Site Address: 2050 Cory Dr Zip Code: 14132
City/Town: Sanborn
County: Niagara
Site Acreage: 40.0

Reporting Period: ~~December 31, 2015 to January 11, 2017~~ January 1, 2016 to December 31, 2016

2/9/17

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

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 932102 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
132.00-1-1	Pyroteck, Inc. c/o Bruce Gallaher	Monitoring Plan Soil Management Plan

In accordance with the Operation and Maintenance & Monitoring Manual dated August 2013, the responsible party will maintain and monitor the groundwater monitoring wells and fencing located on this parcel which is owned by Pyrotek, Inc.

132.00-1-16.11	Elm Holdings, Inc. c/o ~~Chuck Stilwell~~ Randal Coil	O&M Plan Soil Management Plan Monitoring Plan

QLH 2/9/17

In accordance with the Operation and Maintenance & Monitoring Manual dated August 2013, the responsible party will maintain and monitor the groundwater monitoring wells located on this parcel.

132.00-1-16.12	Elm Holdings, Inc. c/o ~~Chuck Stilwell~~ Randal Coil	Soil Management Plan Monitoring Plan O&M Plan

QLH 2/9/17

Record of Decision (ROD); October 1991
Order on Consent; December 1993
Addendum to the Remedial Design/Remedial Action Work Plan; December 1993
Operations, Maintenance and Monitoring Manual; August 2013

In accordance with the above Institutional Controls and specifically the Operation Maintenance & Monitoring Manual dated August 14, 2013, the following shall be maintained and monitored:

1. Groundwater recovery system (pumping wells, piping, valves, gauges, etc.)
2. Treatment system (air stripper, liquid phase carbon units, pre-filters, pumps, etc.
3. Groundwater monitoring wells.
4. SPDES compliance.

A soil vapor intrusion (SVI) assessment, which included off-site sub-slab and indoor air sampling of selected condominiums adjacent to the site was completed in November and December 2008. Based on the results of the investigation the DEC, in consultation with the NYSDOH, concluded no further on-site or off-site sampling or other actions were needed to address exposures related to soil vapor intrusion. An Investigation Complete - No Actions Recommended memo was issued on April 1, 2009.

132.00-1-16.2	Pyrotek, Inc. c/o Bruce Gallaher	Soil Management Plan

In accordance with the Operation and Maintenance & Monitoring Manual dated August 2013, the responsible party will maintain and monitor the fencing located around this parcel which is owned by Pyrotek, Inc.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
132.00-1-1	Fencing/Access Control
132.00-1-16.11	Groundwater Treatment System Groundwater Containment Fencing/Access Control

Parcel	Engineering Control
Pump and Treat **132.00-1-16.12**	Groundwater Treatment System Groundwater Containment Fencing/Access Control
Pump and Treat **132.00-1-16.2**	Fencing/Access Control

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
☒	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 932102

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 James L. Kaczor, Attorney-in-Fact for Elm Holdings Inc. (print name) at 257 West Genesee Street, Suite 400, Buffalo, NY 14202 (print business address),

am certifying as Designated Representative of Owner (Owner or Remedial Party)

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

James L Kaczor
Attorney-in-Fact for Elm Holdings Inc.
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

02/09/2017
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

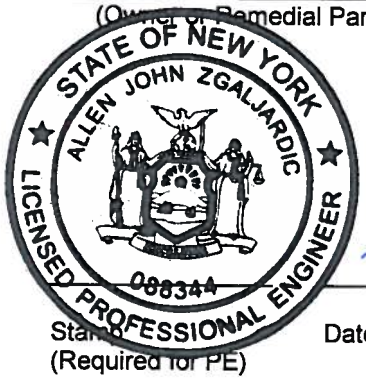
I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Allen Zgaljardic, P.E. at 257 West Genesee Street, Suite 400, Buffalo, NY 14202.

print name — print business address

am certifying as a Professional Engineer for the Owner

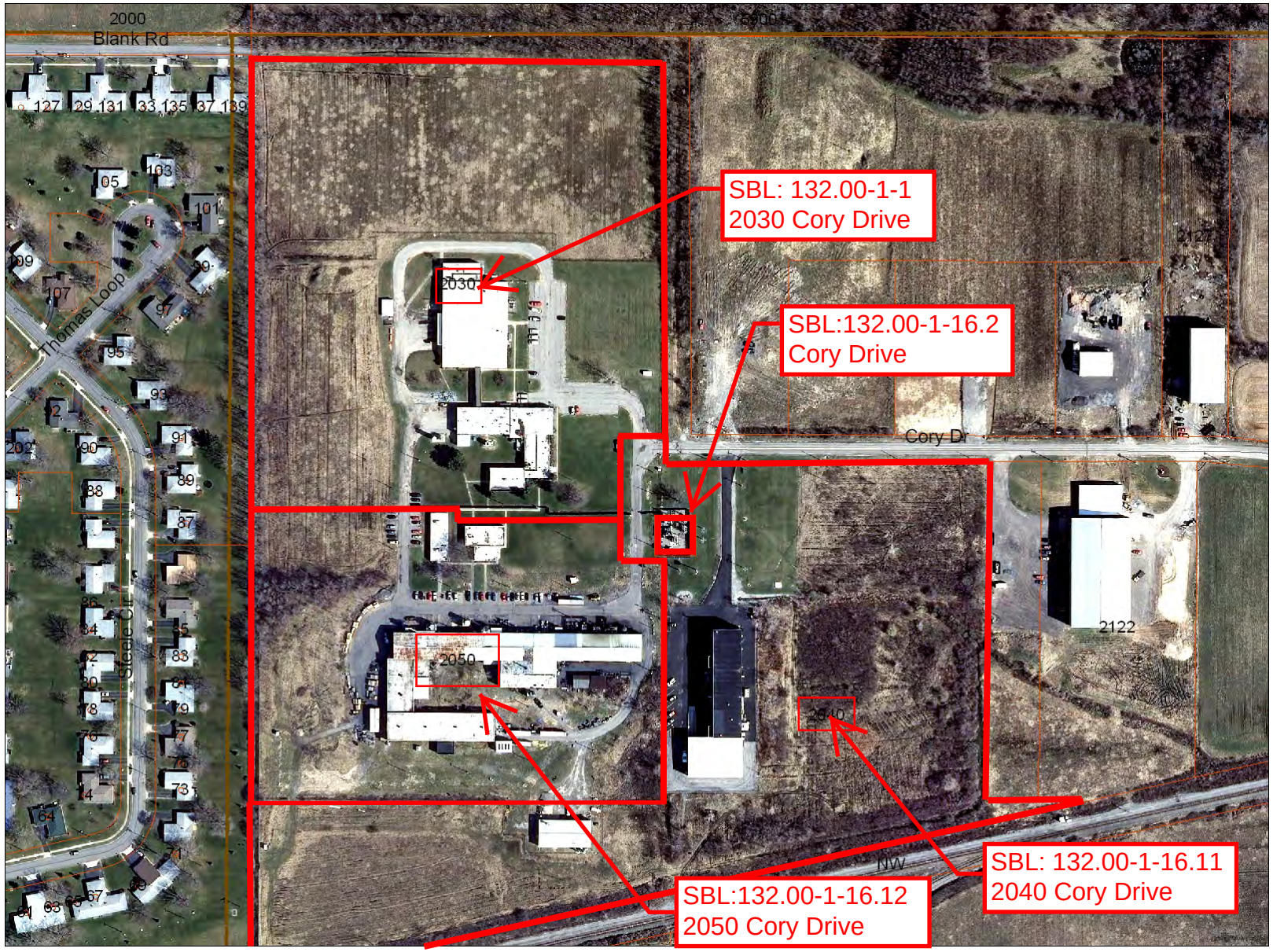
(Owner or Remedial Party)

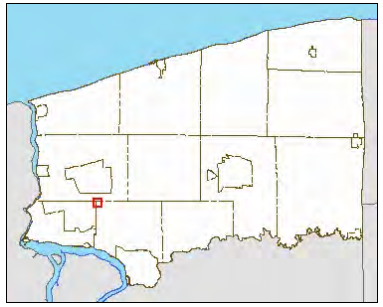


Allen J. Zgaljardic — 2/9/17

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date

Carborundum Specialty Products Site #932102





Legend

Parcel Boundary

1: 3,391

Notes

Parcels with Engineering and Institutional controls

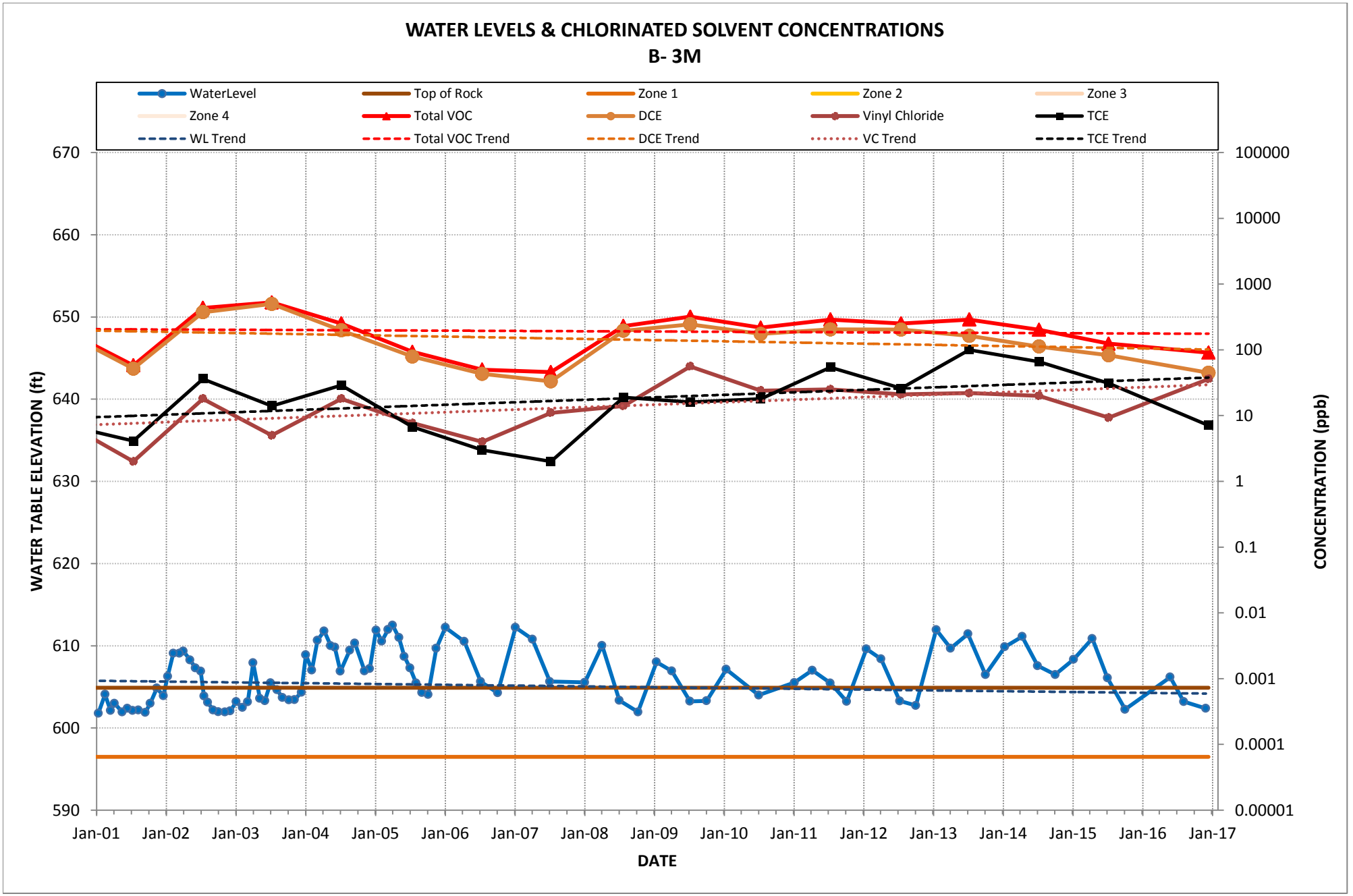
0.1 0 0.05 0.1 Miles

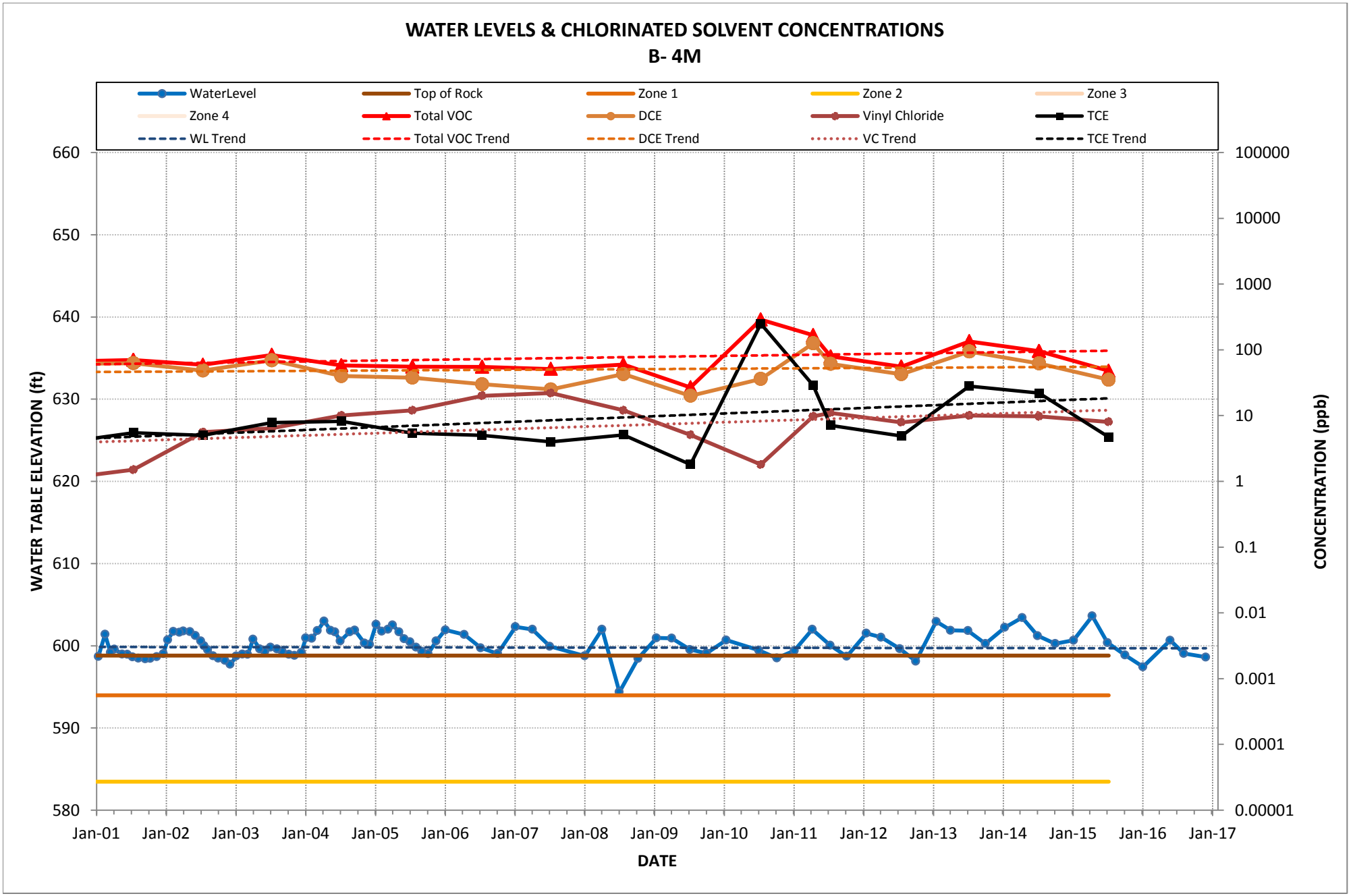
Niagara County and its officials and employees assume no responsibility or legal liability for the accuracy, completeness, reliability, timeliness, or usefulness of any information provided. Tax parcel data was prepared for tax purposes only and is not to be reproduced or used for surveying or conveyancing.

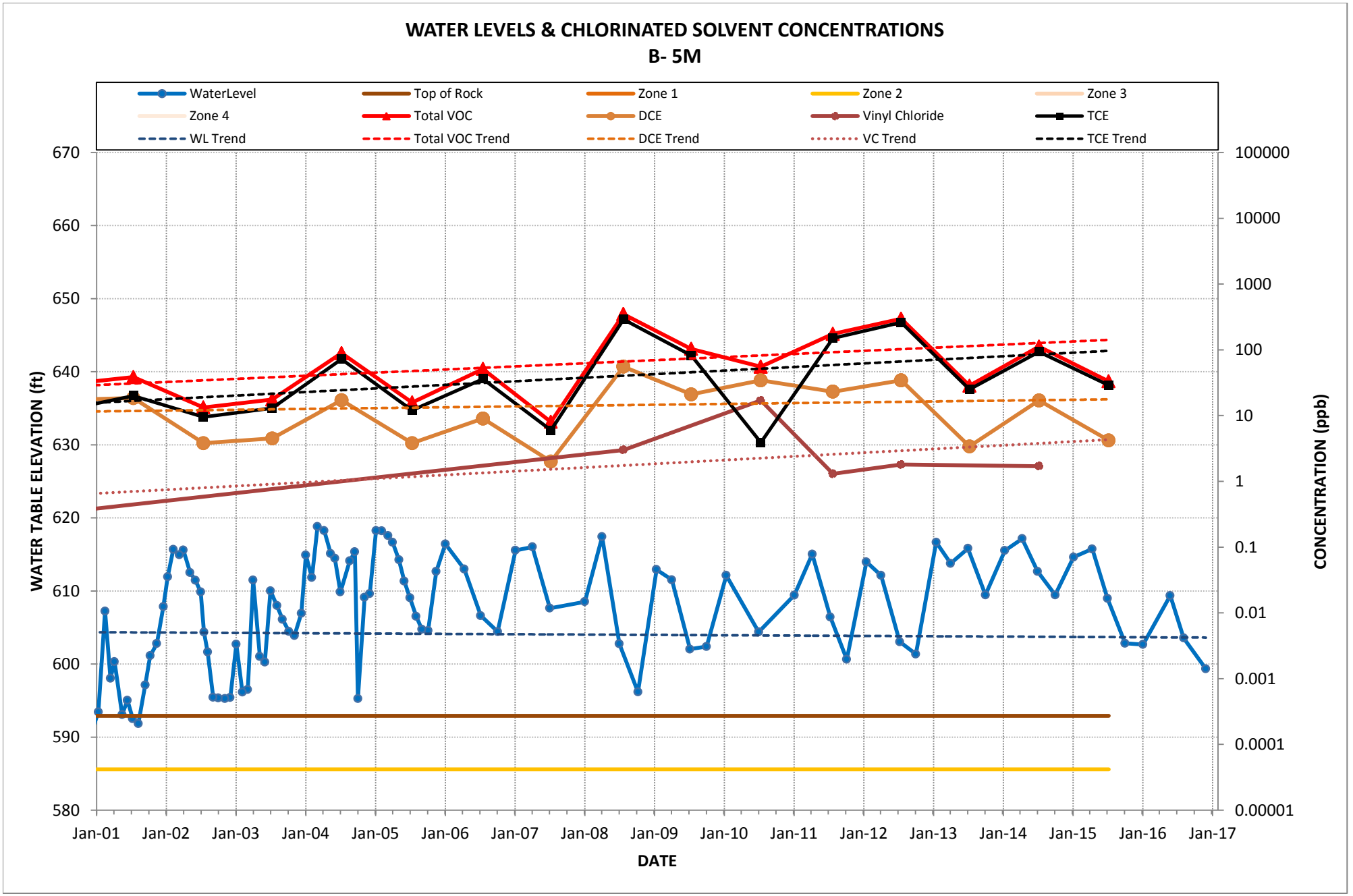
SOURCE: **NIAGARA COUNTY, NEW YORK DEPARTMENT OF REAL PROPERTY SERVICES**

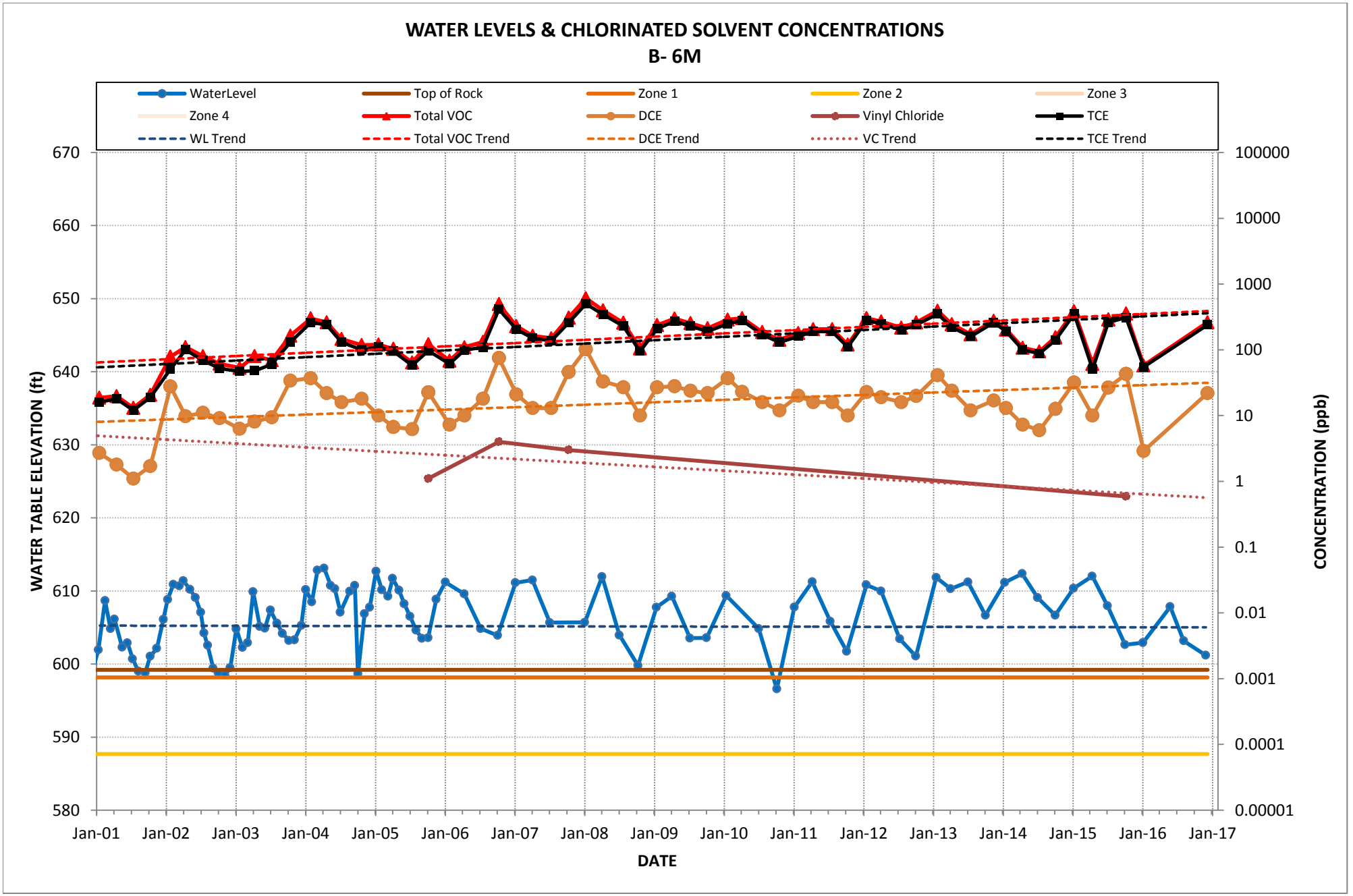
Appendix B

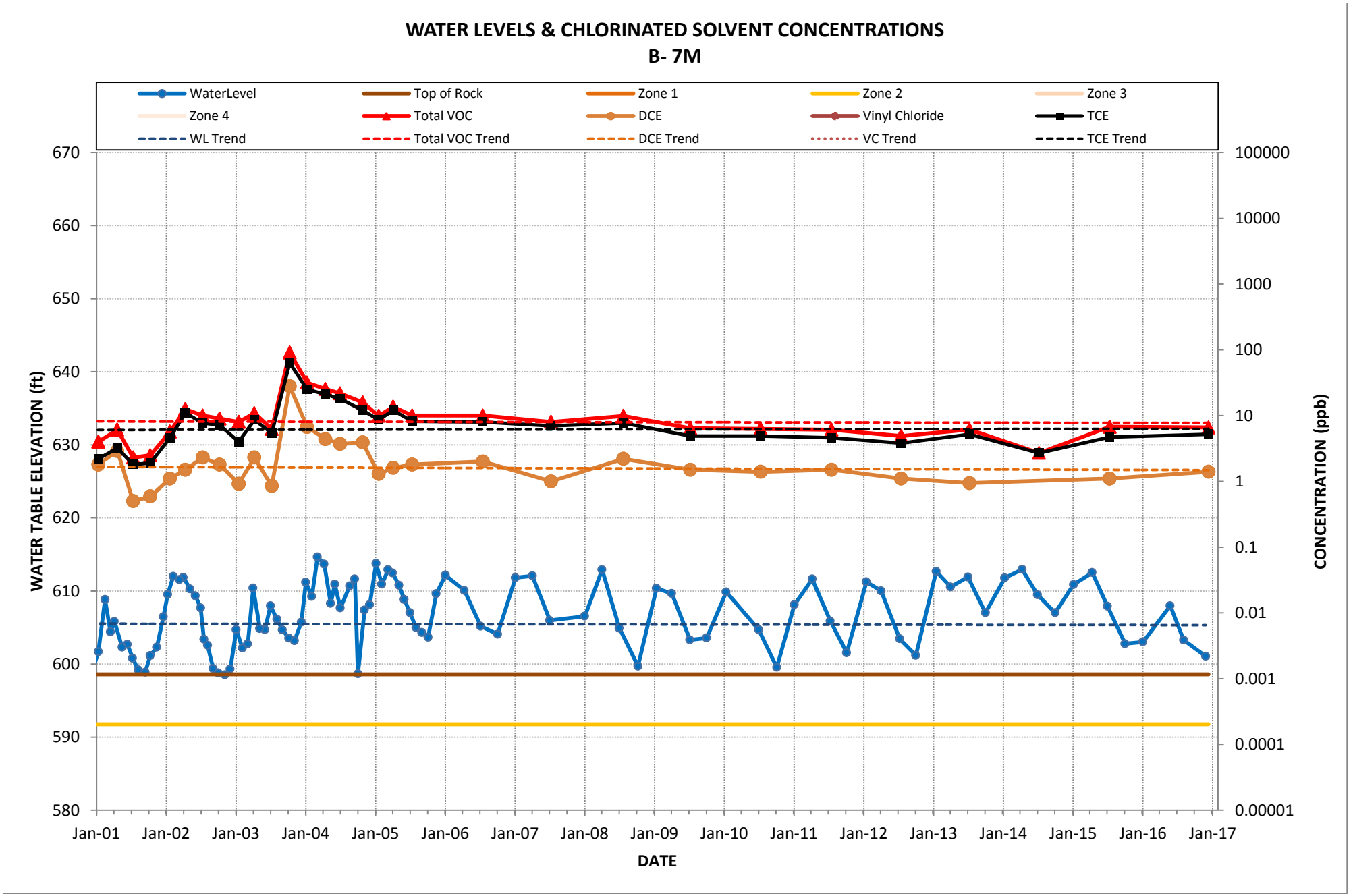
Water Quality Time Series Plots January 2001 through December 2016

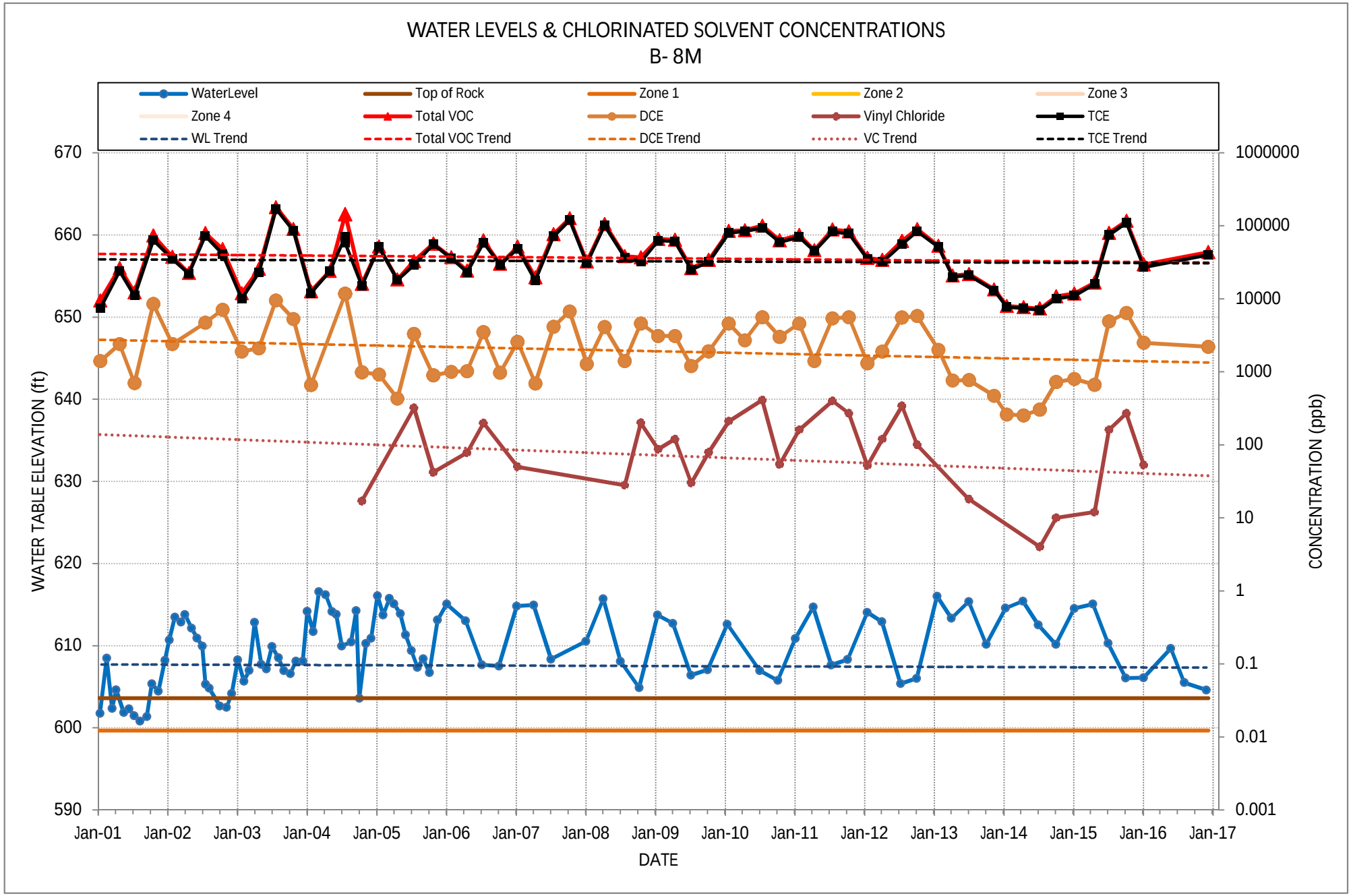

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 3M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

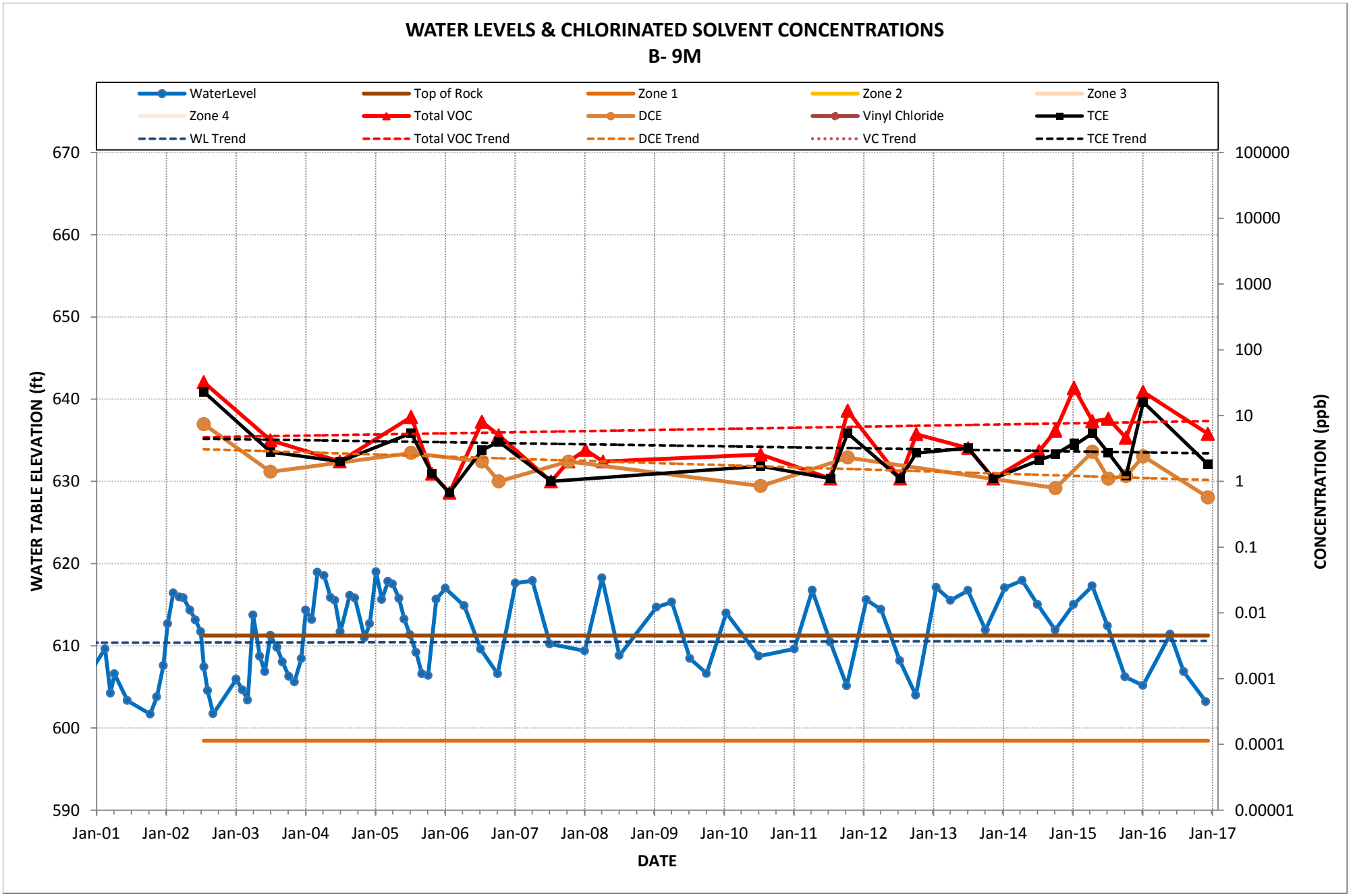

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 4M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
DATE

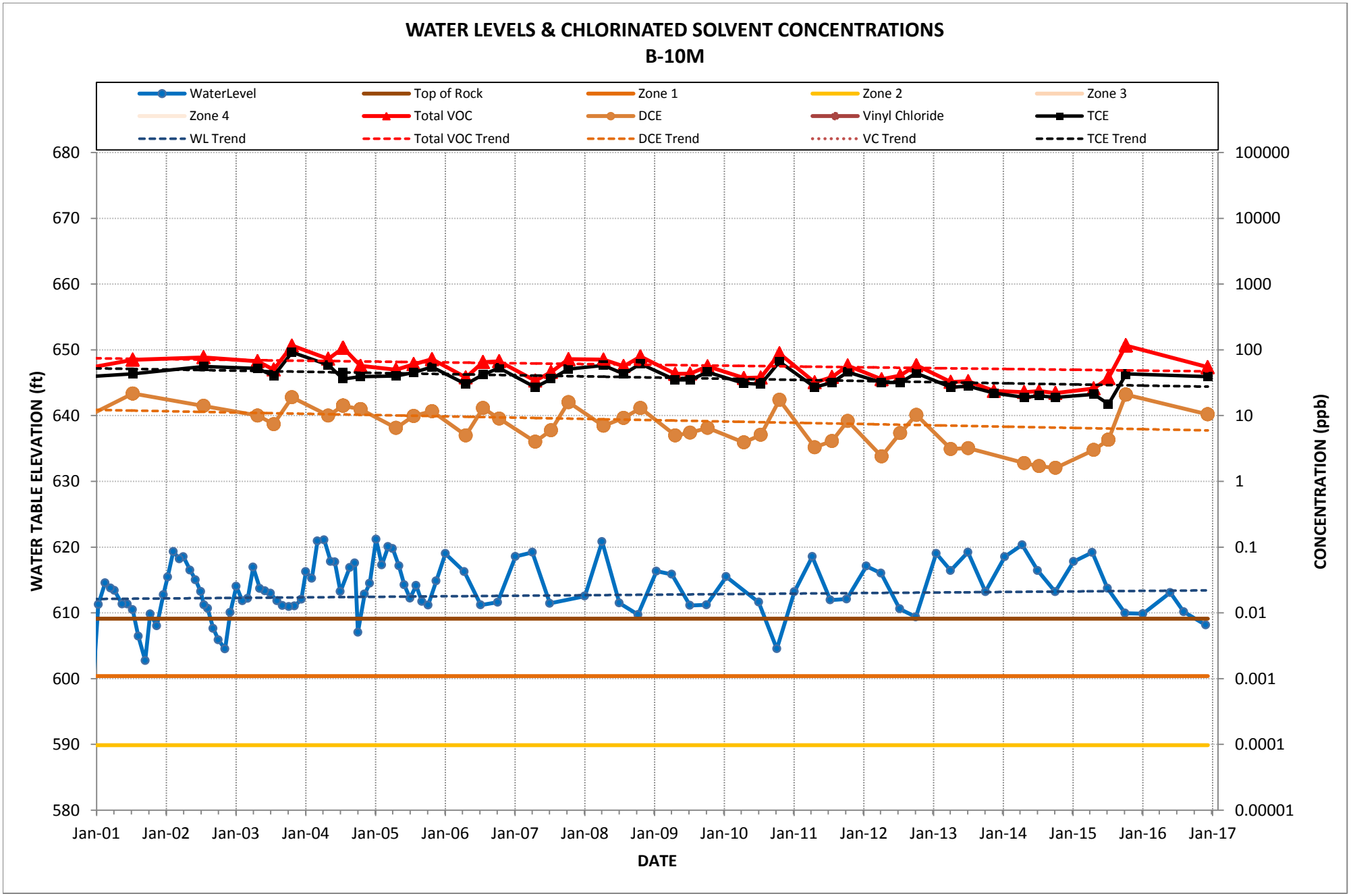

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 5M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

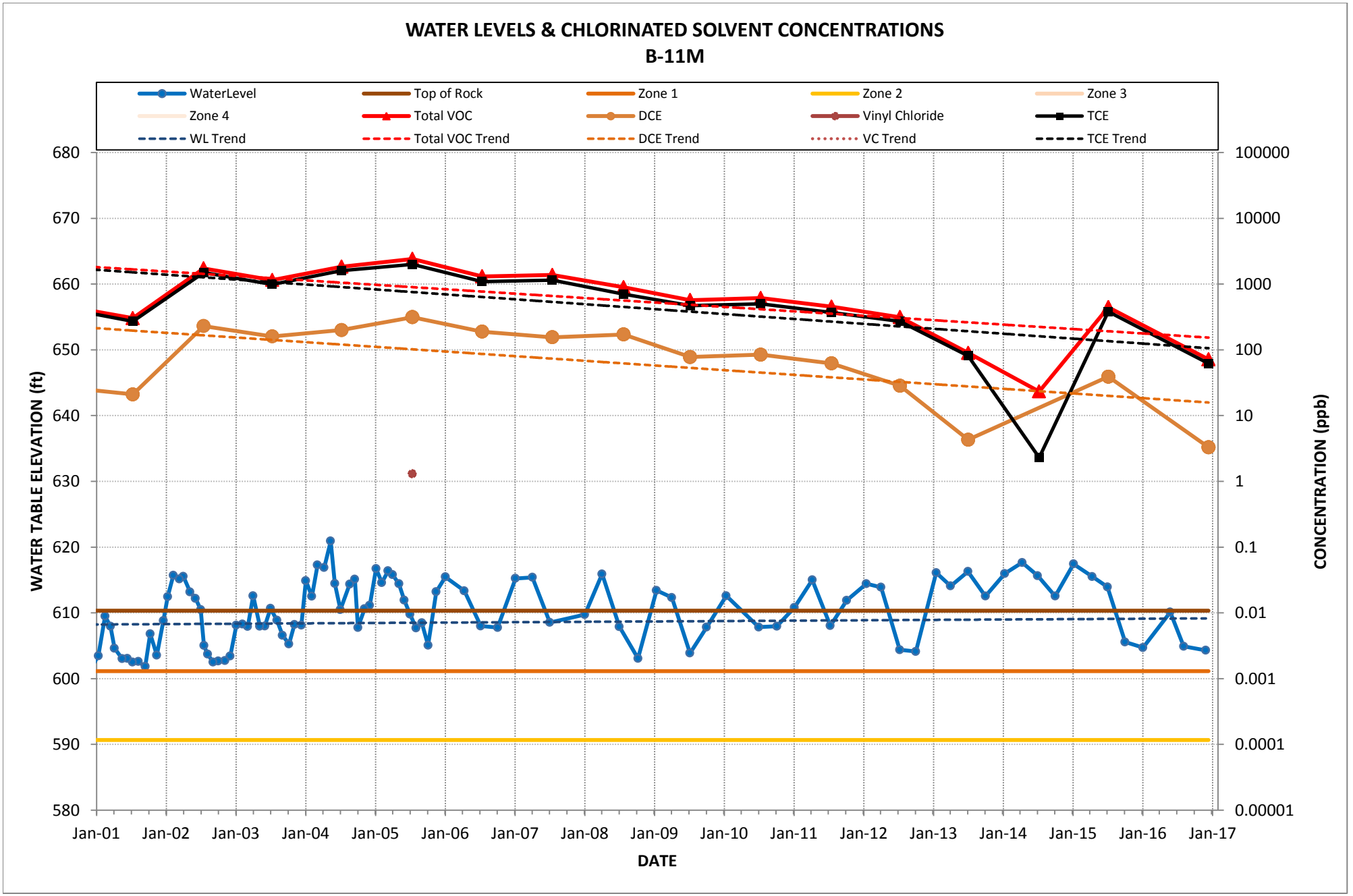

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 6M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

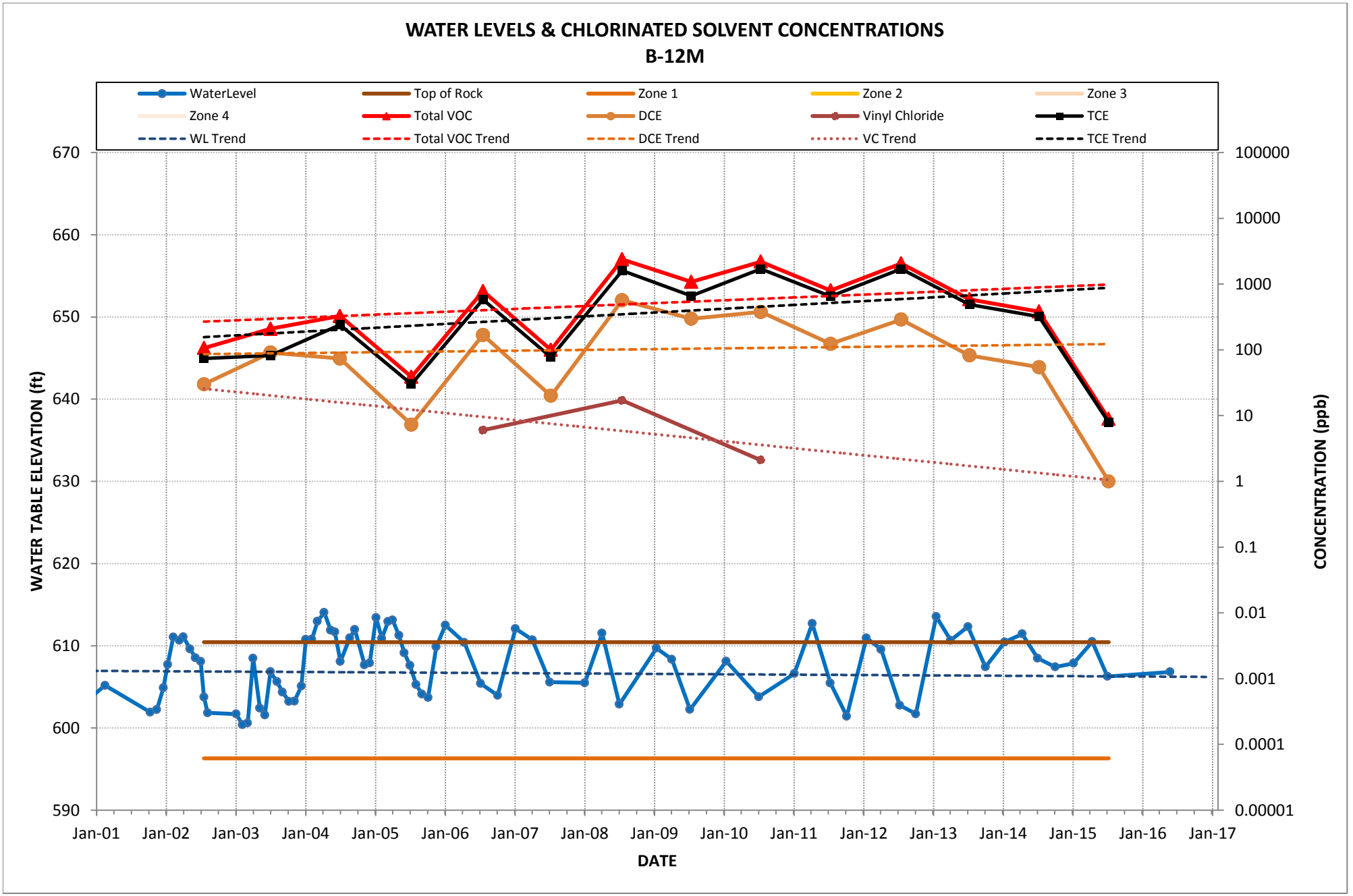

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 7M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
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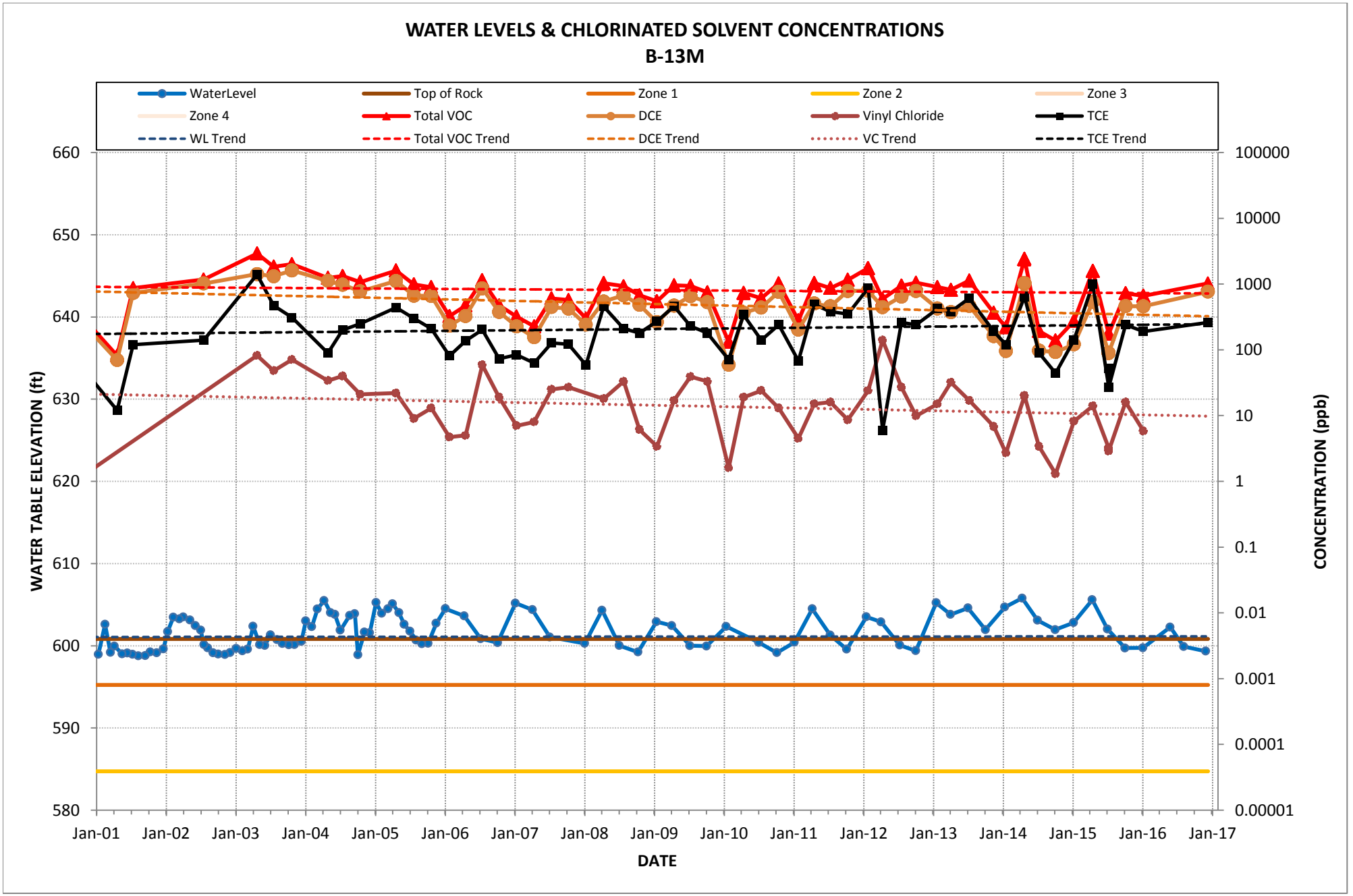

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 8M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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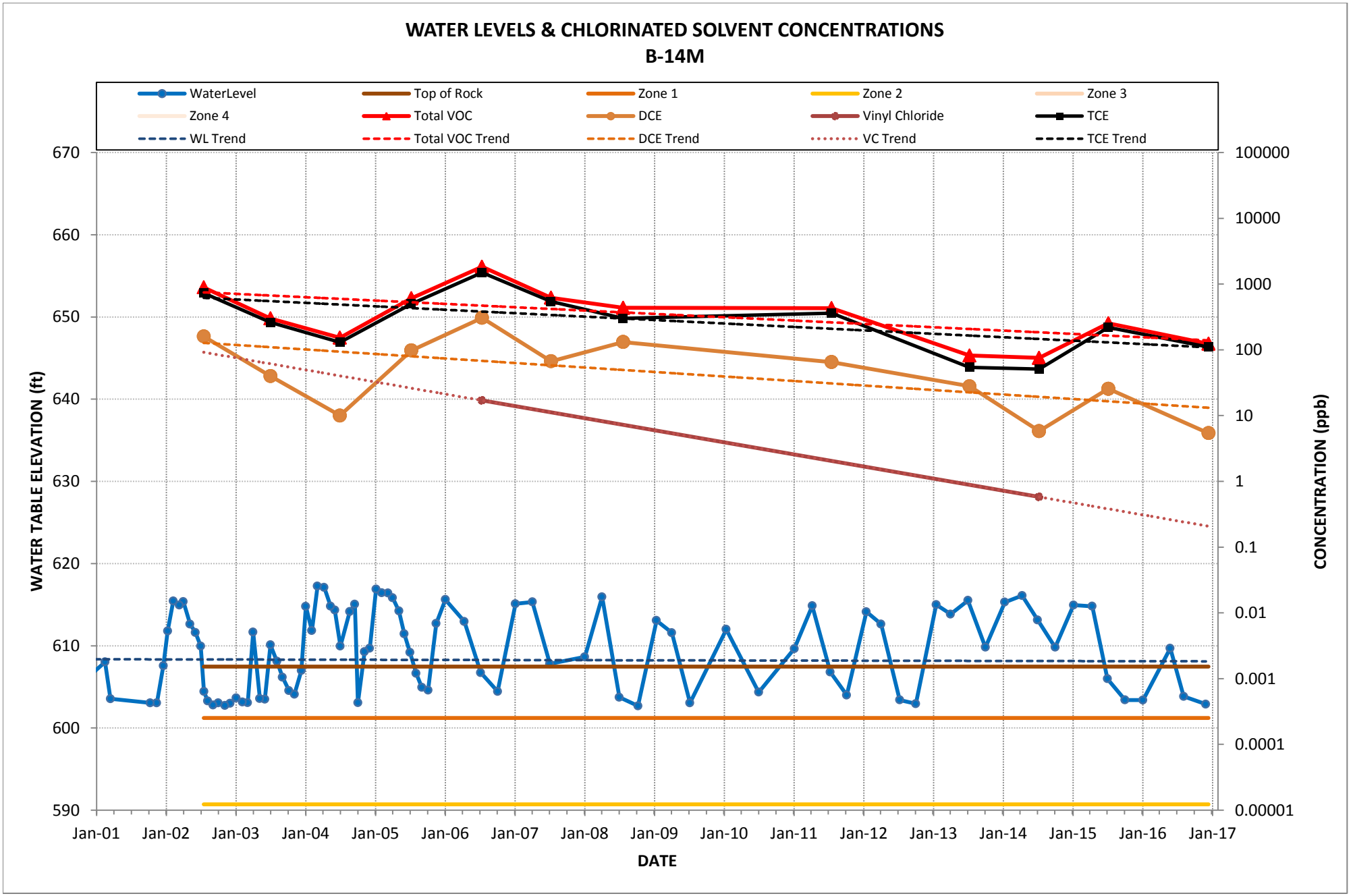

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B- 9M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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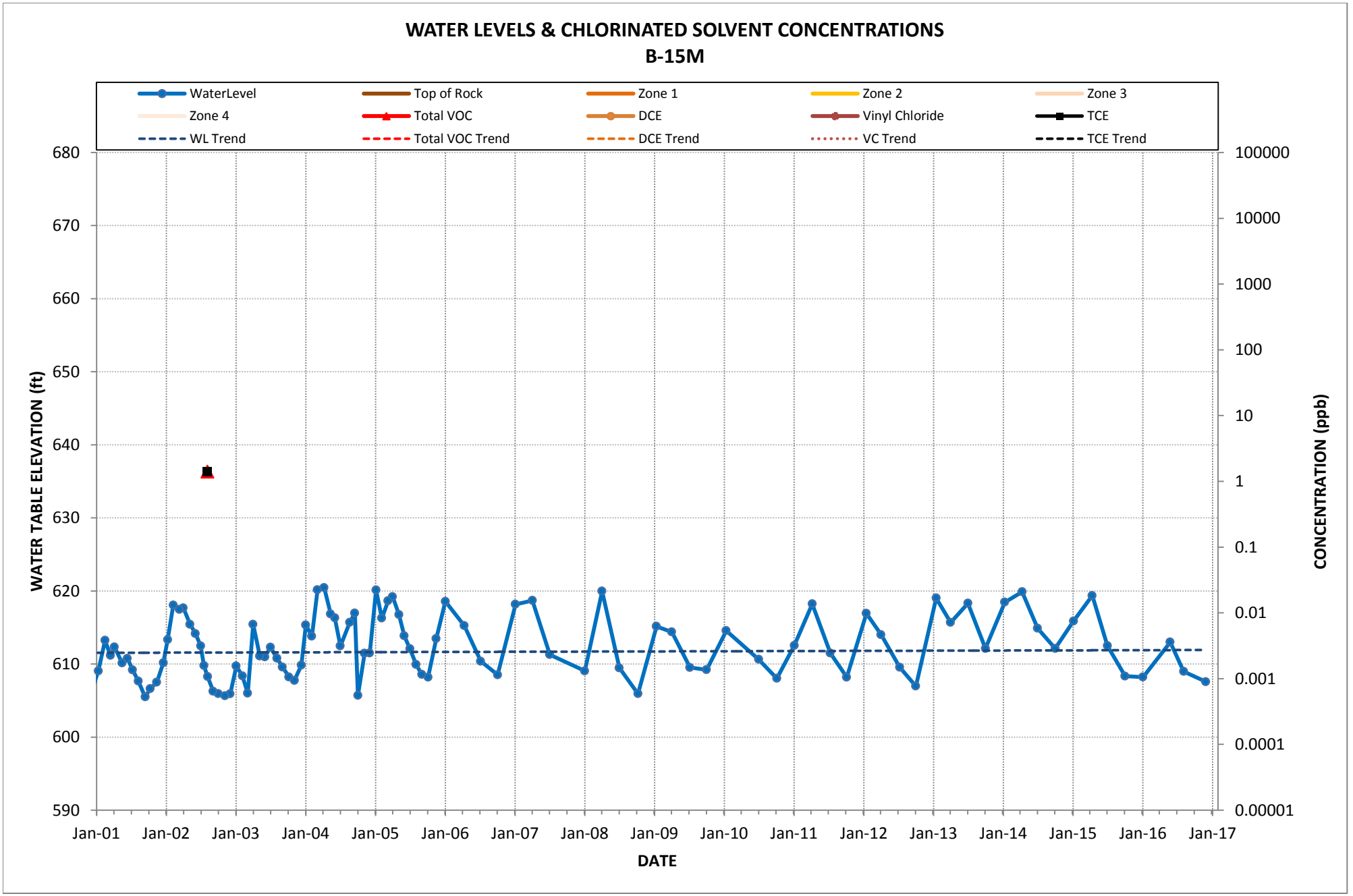

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-10M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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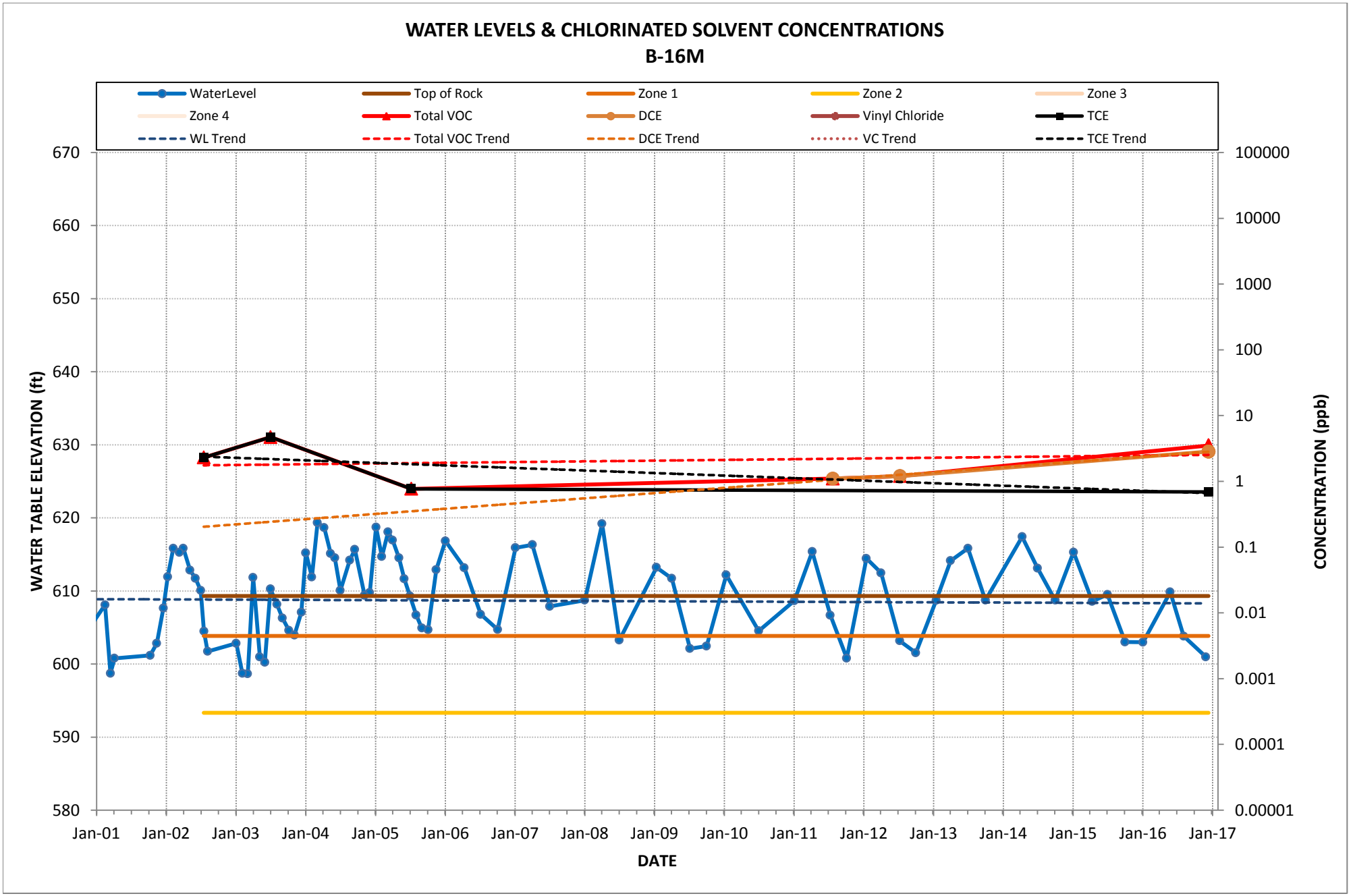

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-11M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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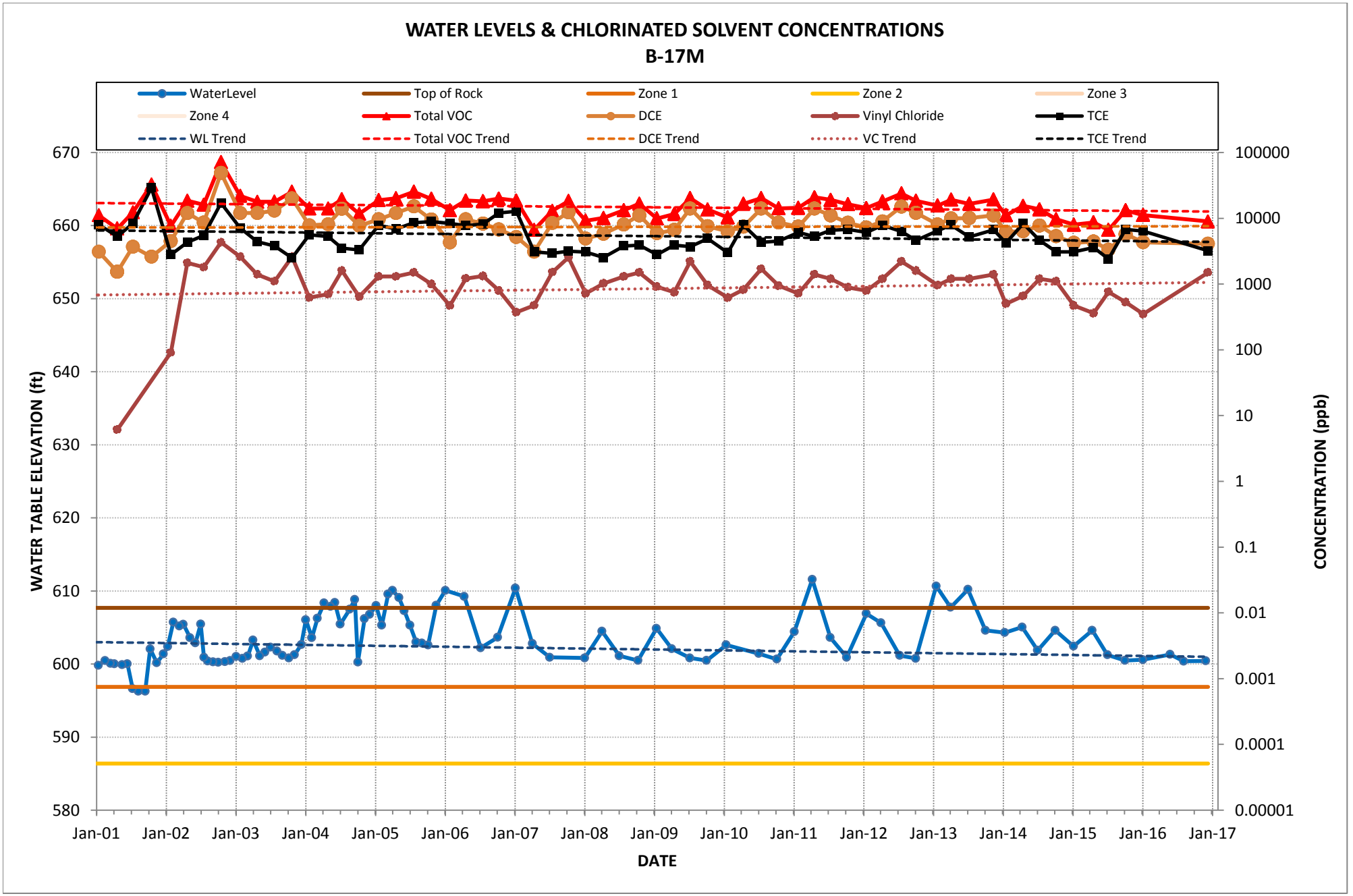

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-12M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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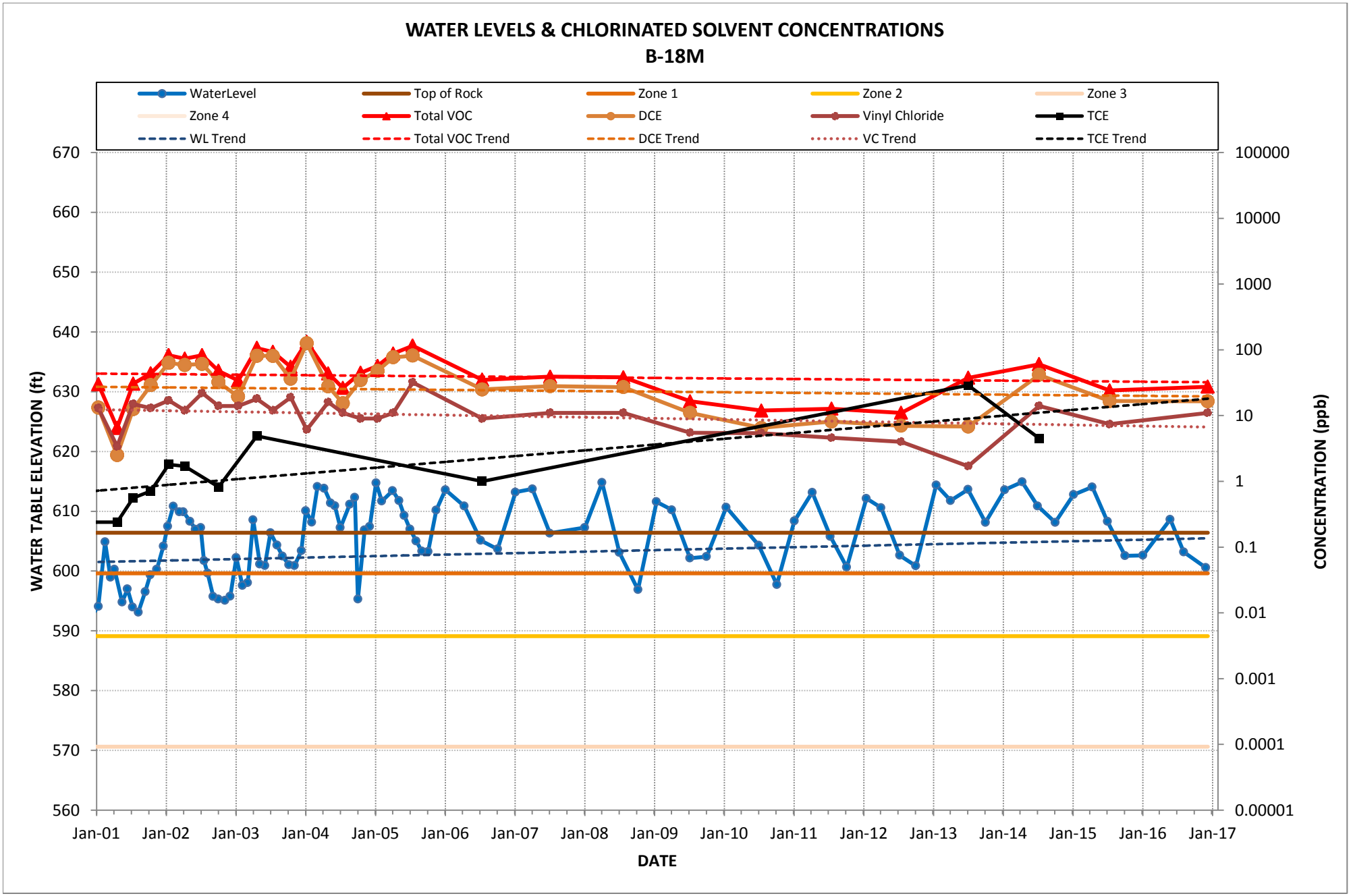

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-13M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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DATE

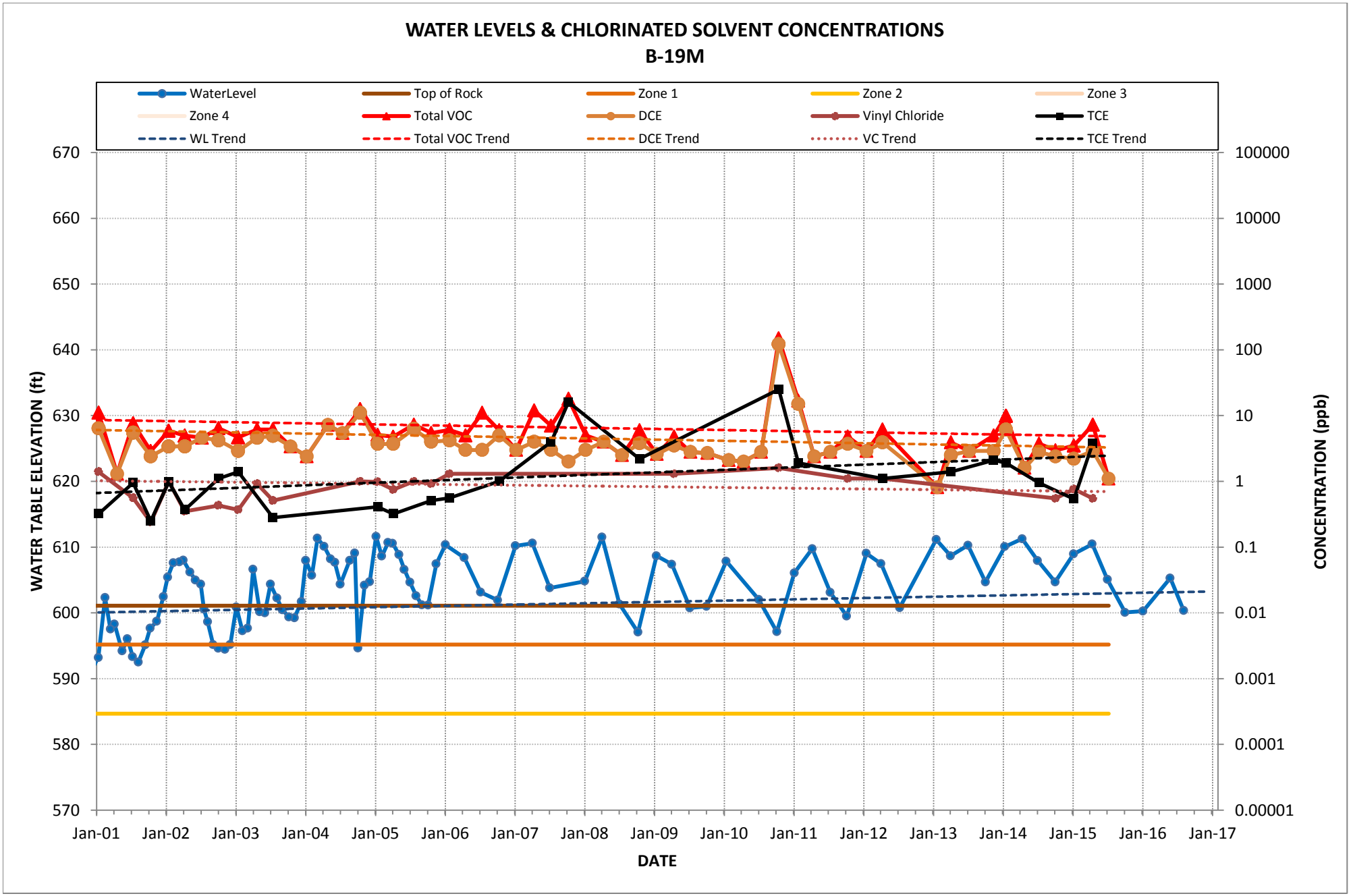

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-14M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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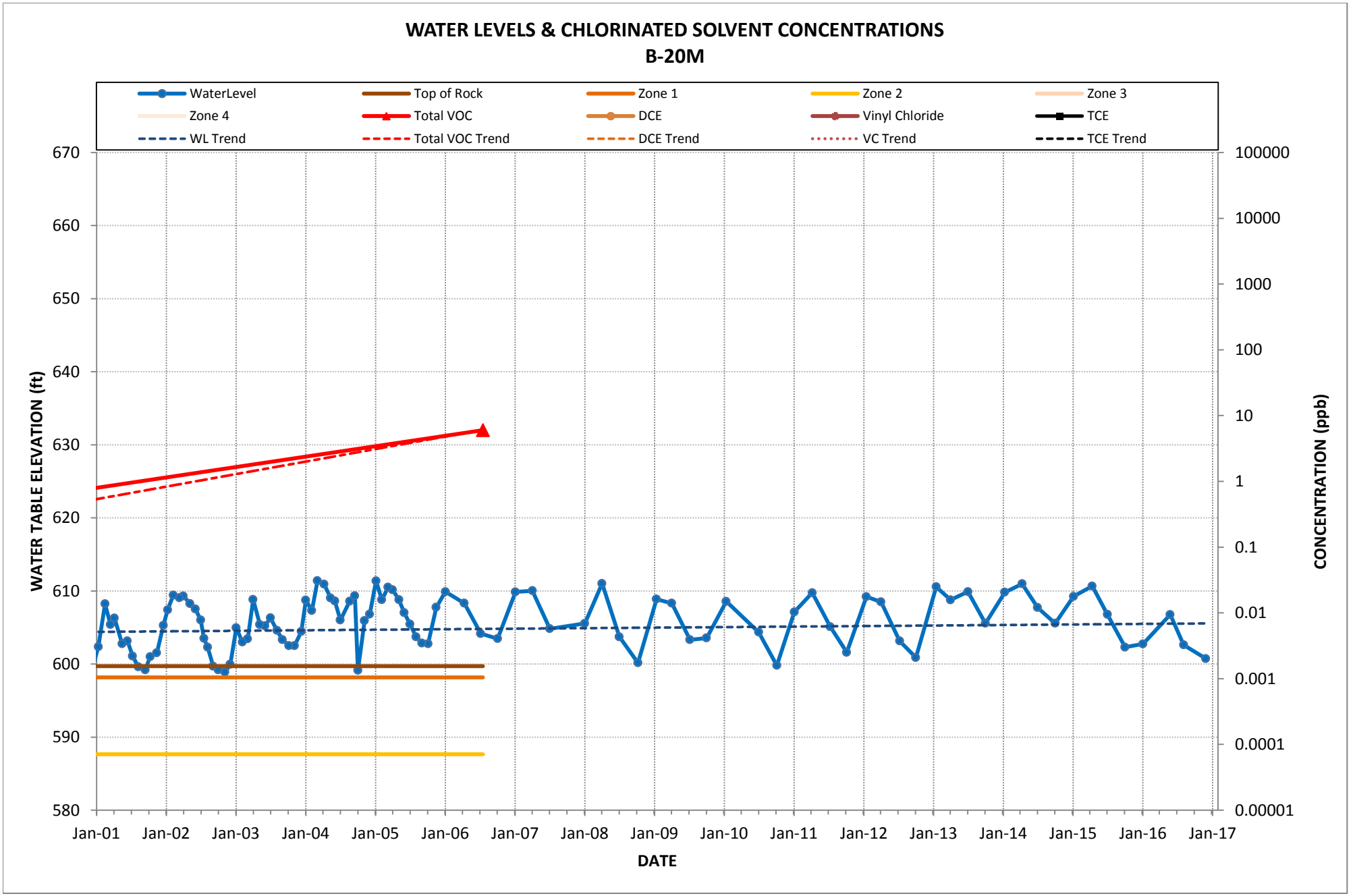

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-15M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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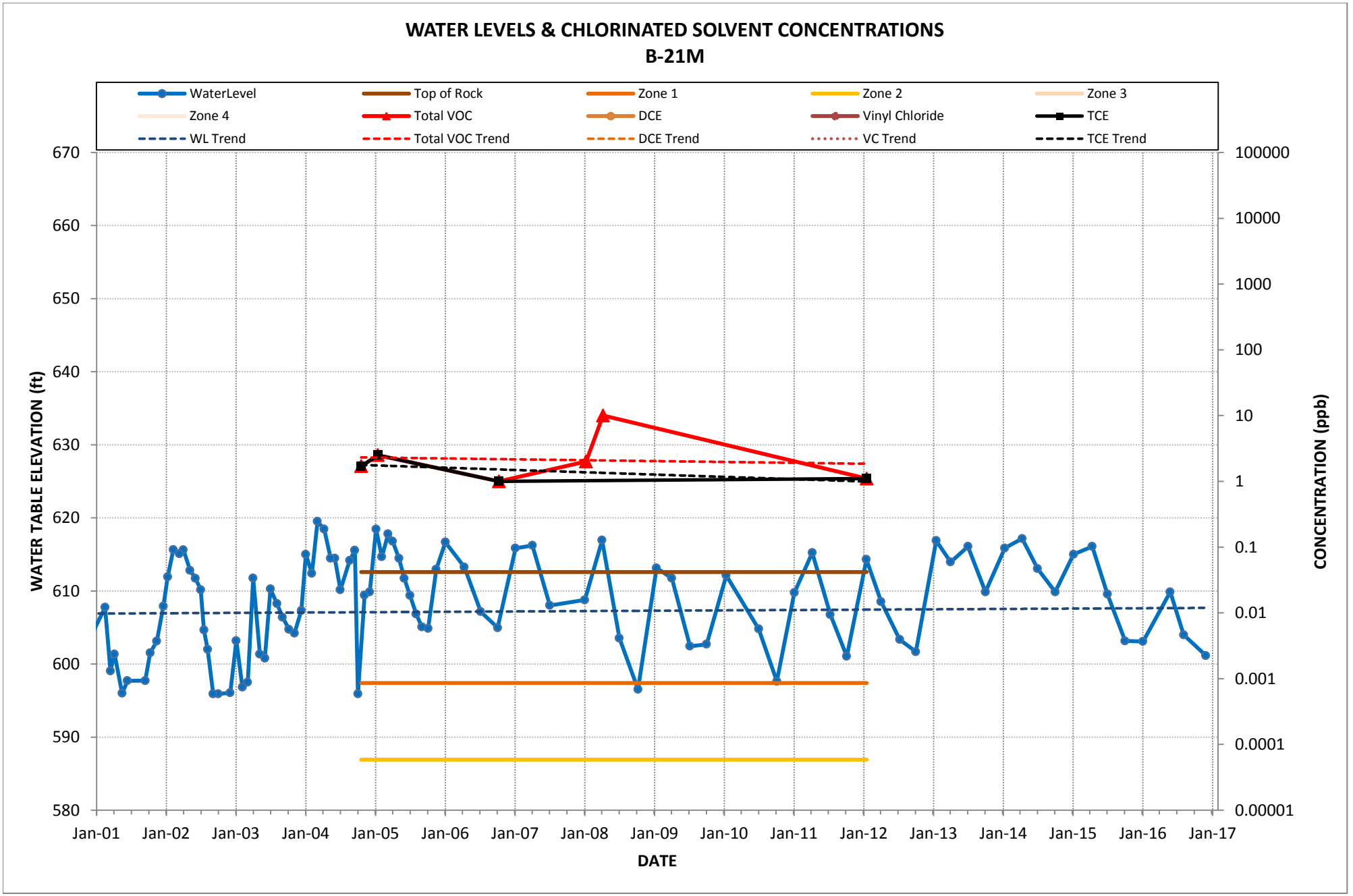

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-16M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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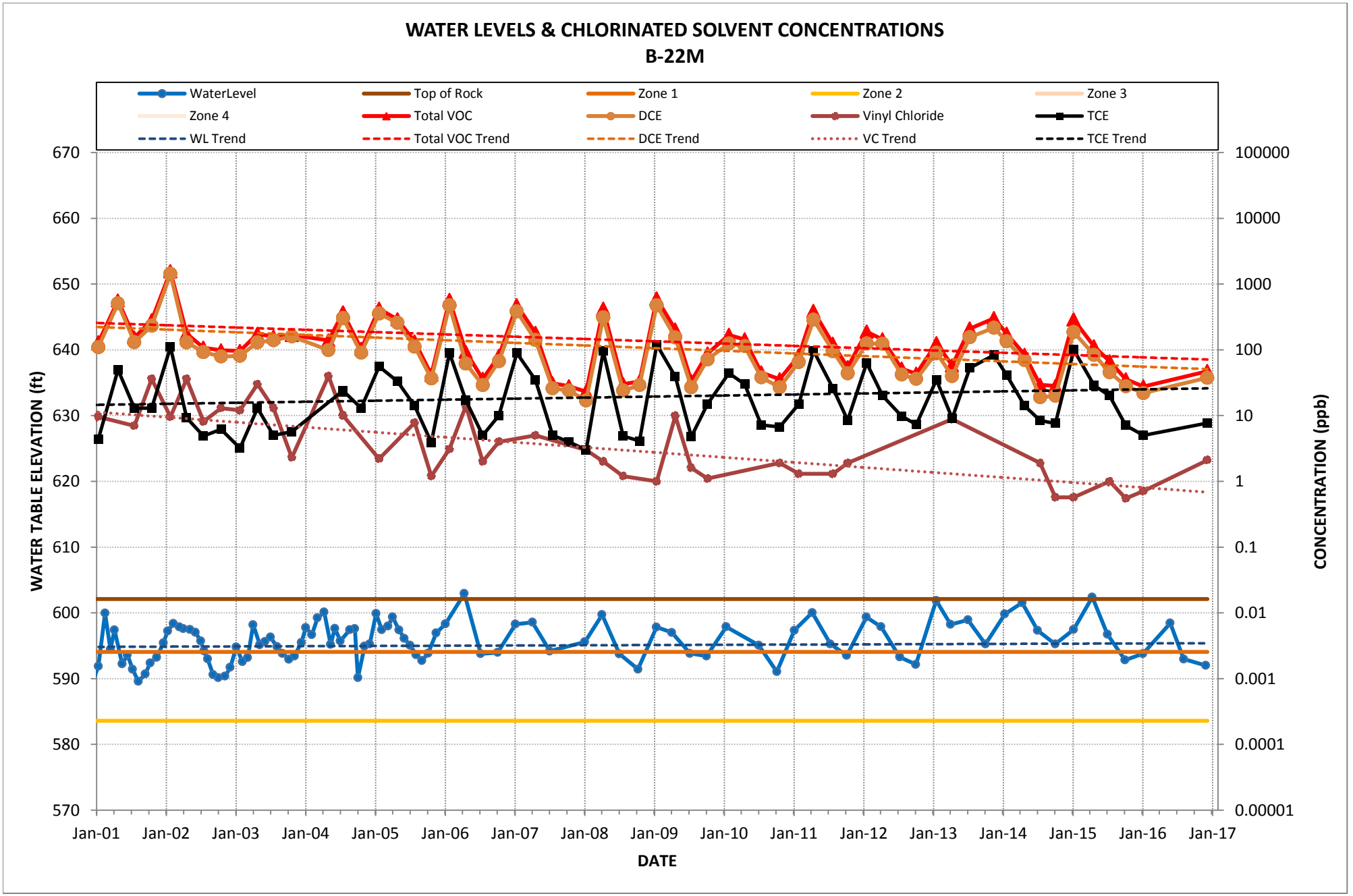

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-17M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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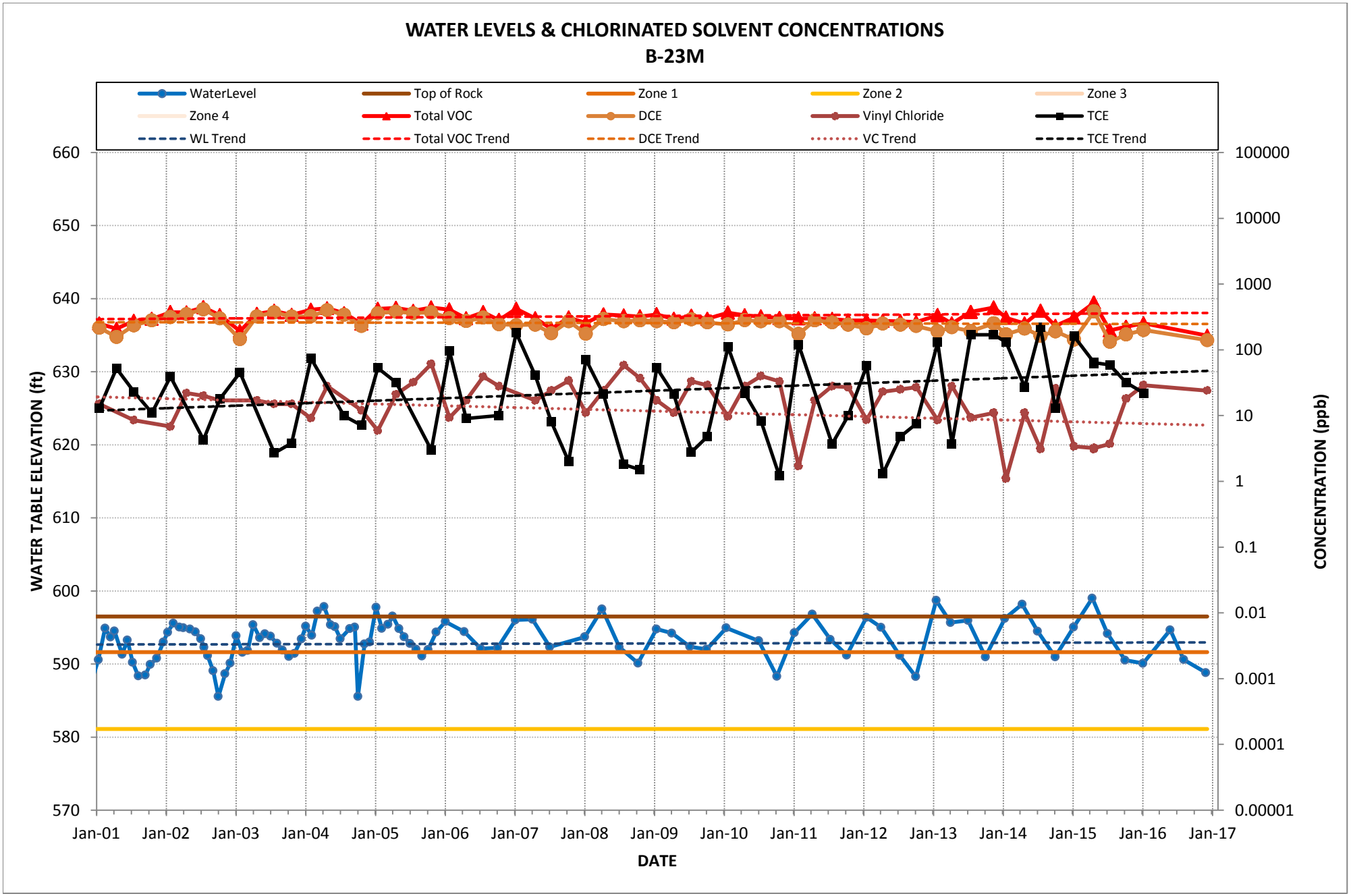

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-18M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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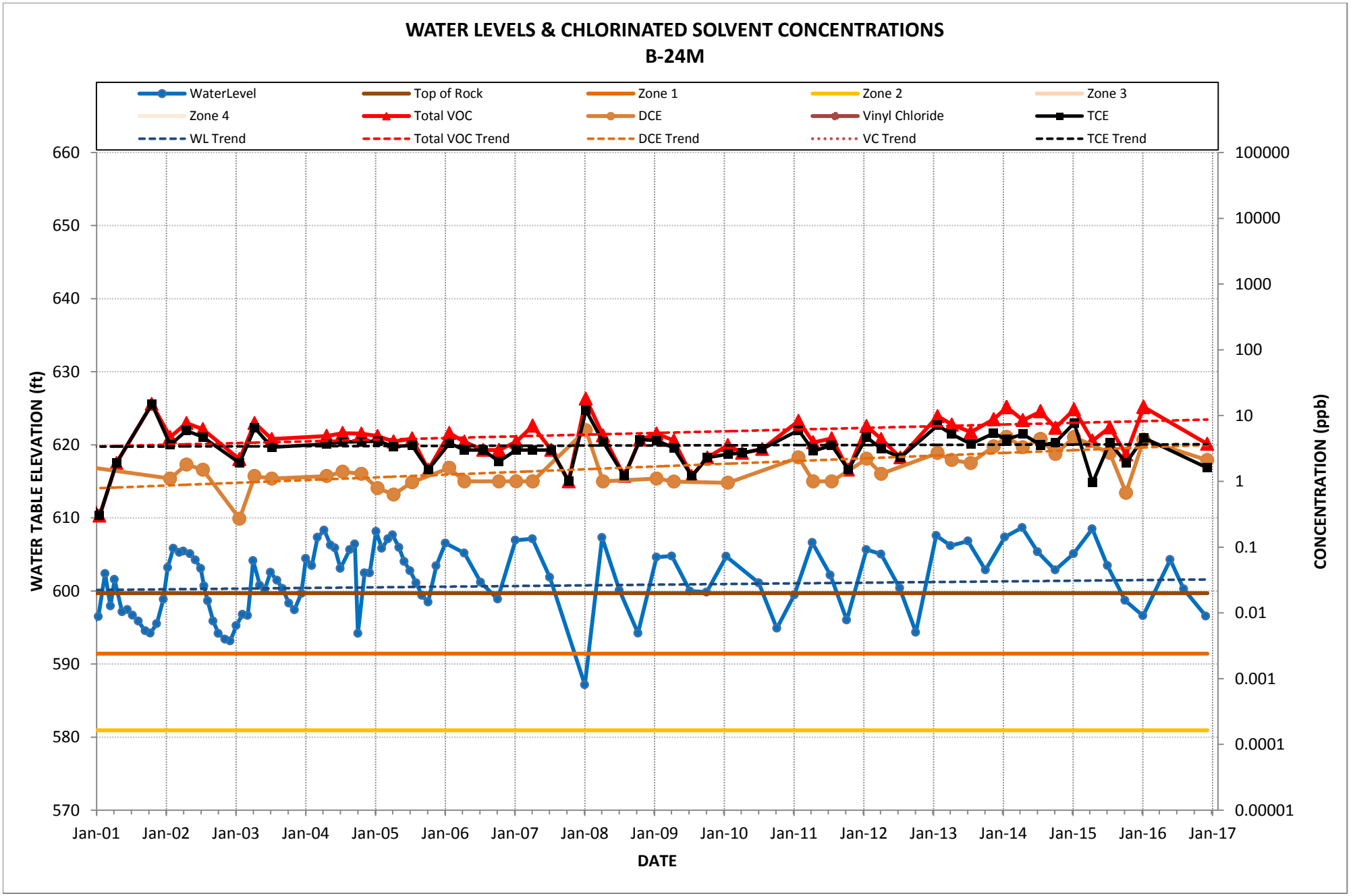

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-19M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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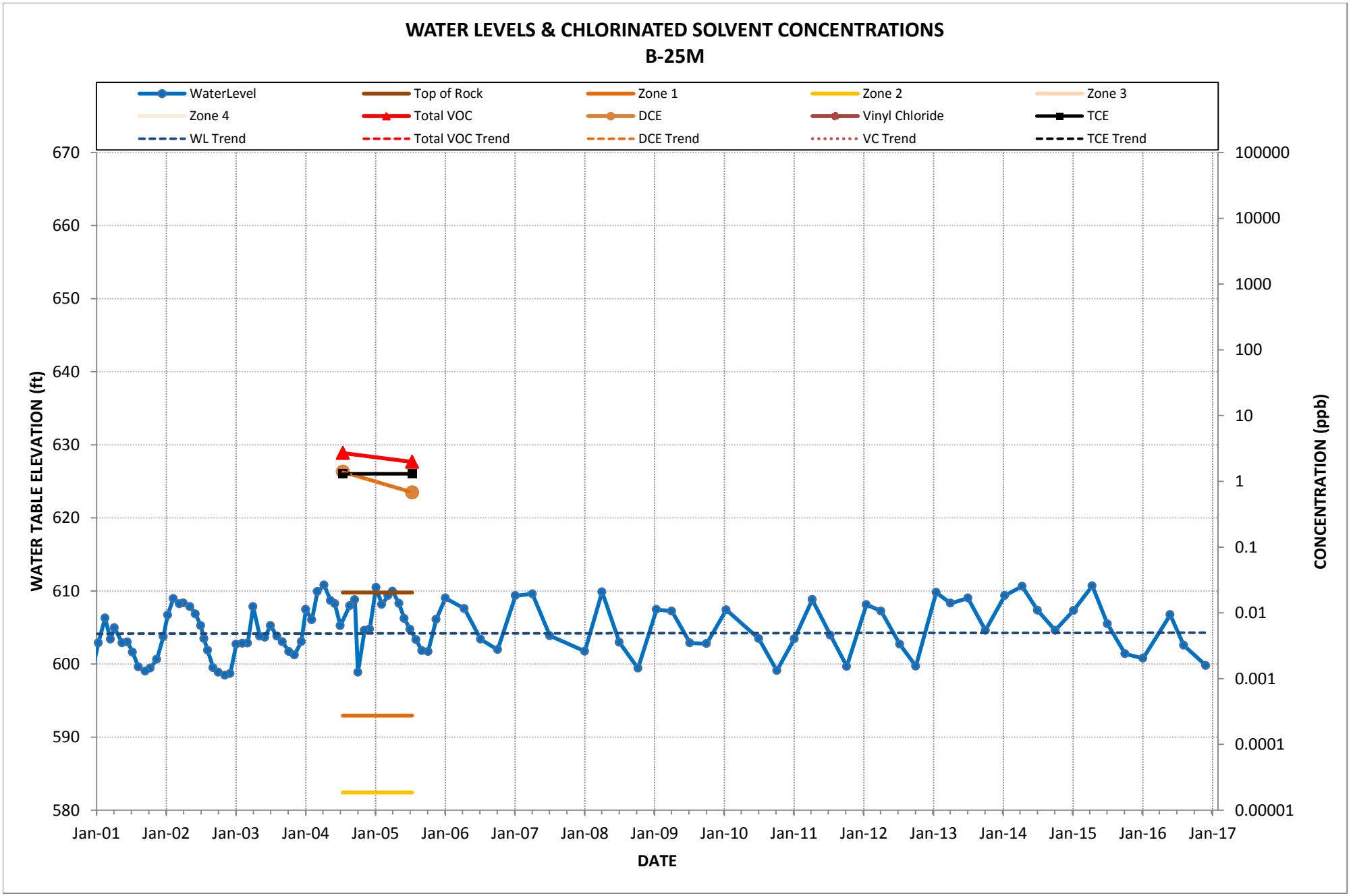

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-20M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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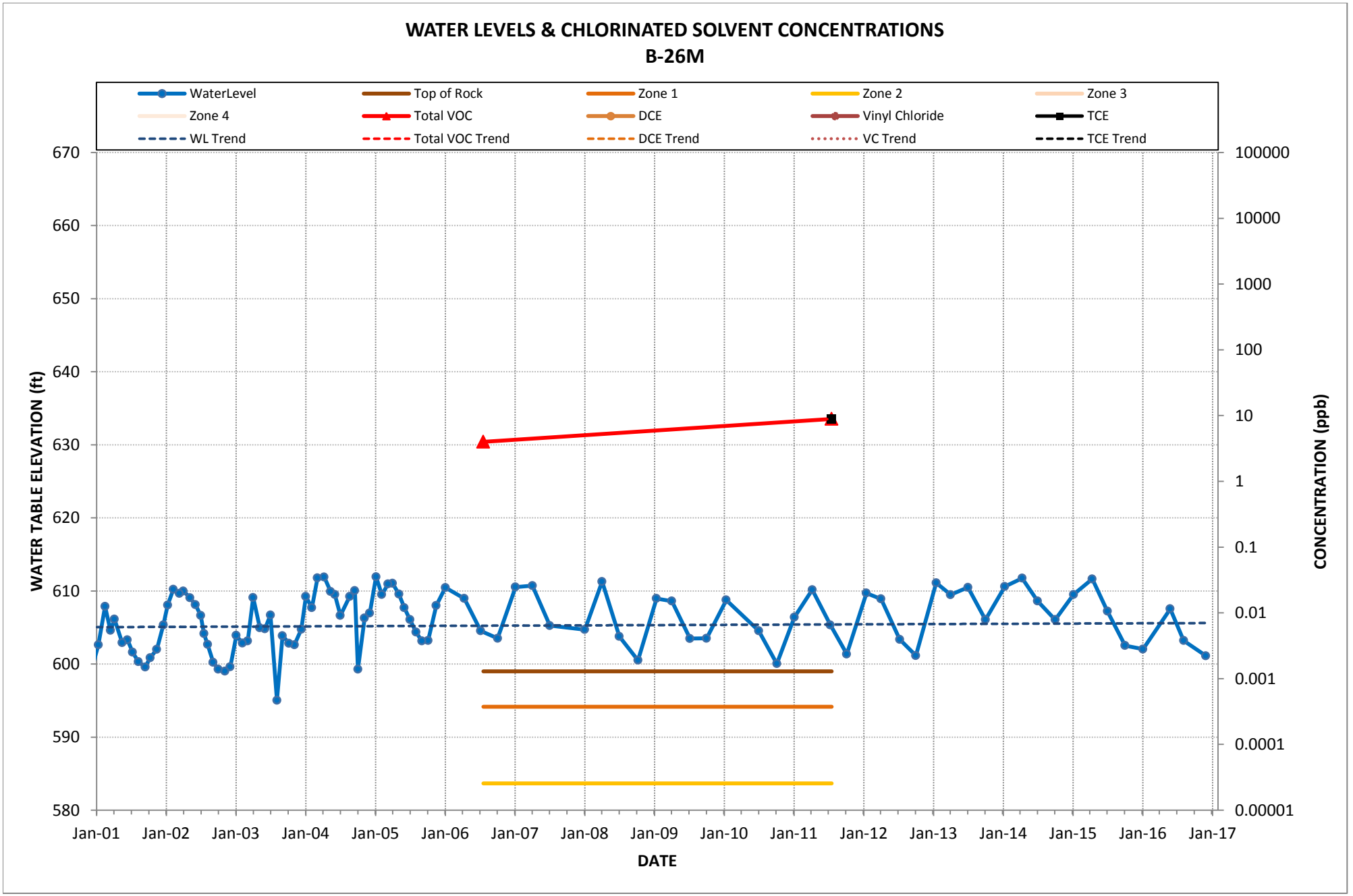

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-21M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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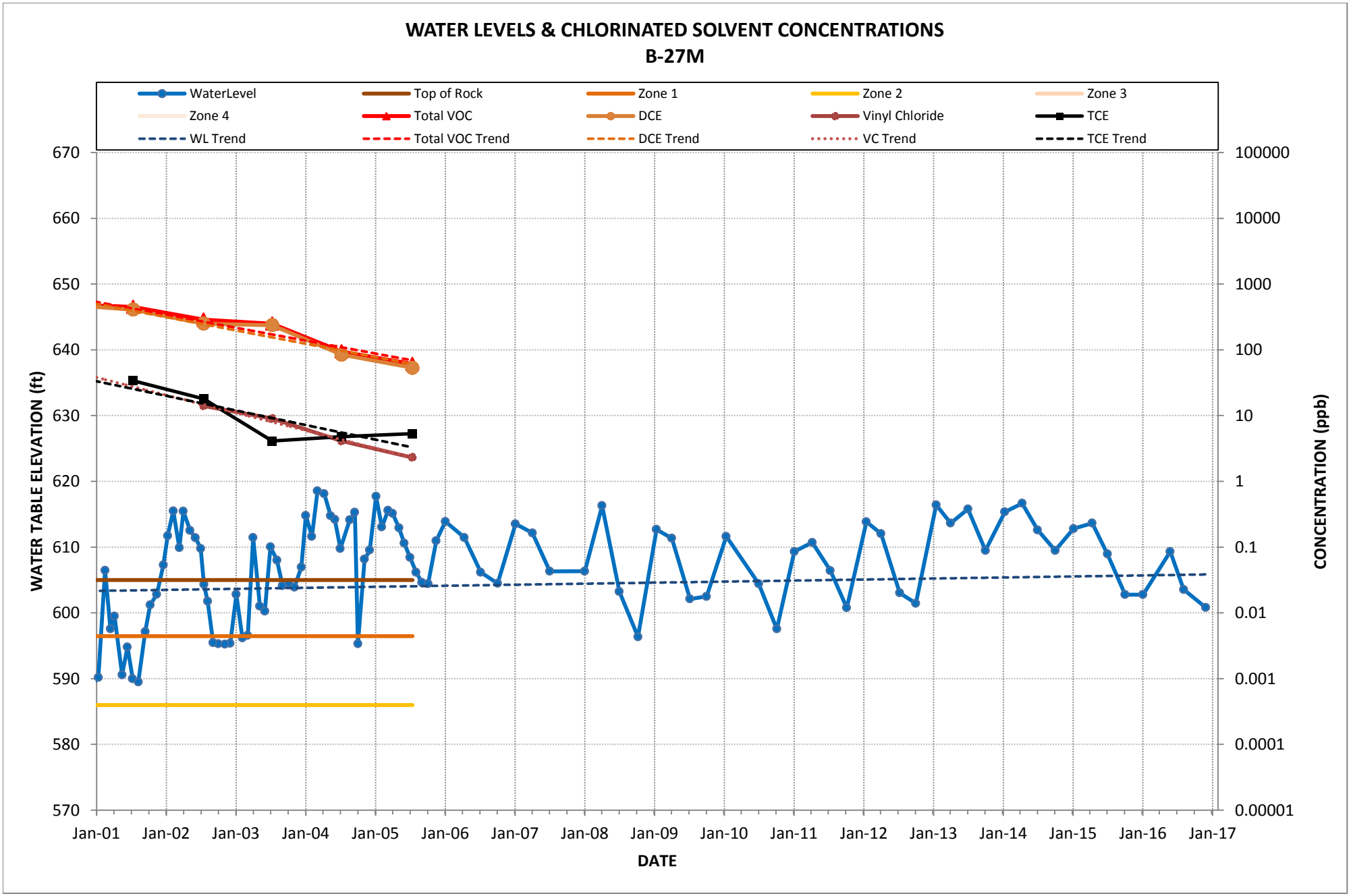

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-22M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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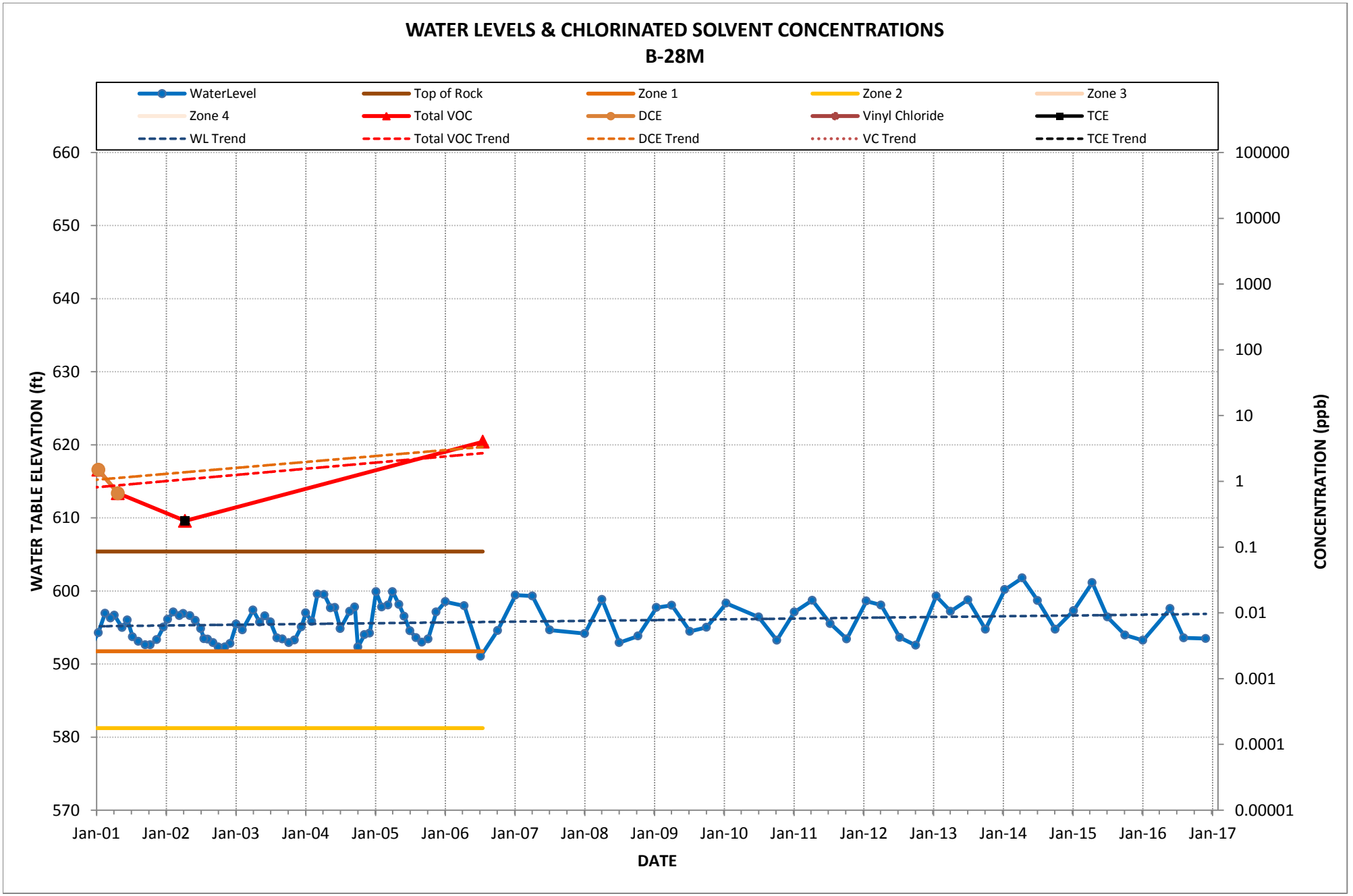

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-23M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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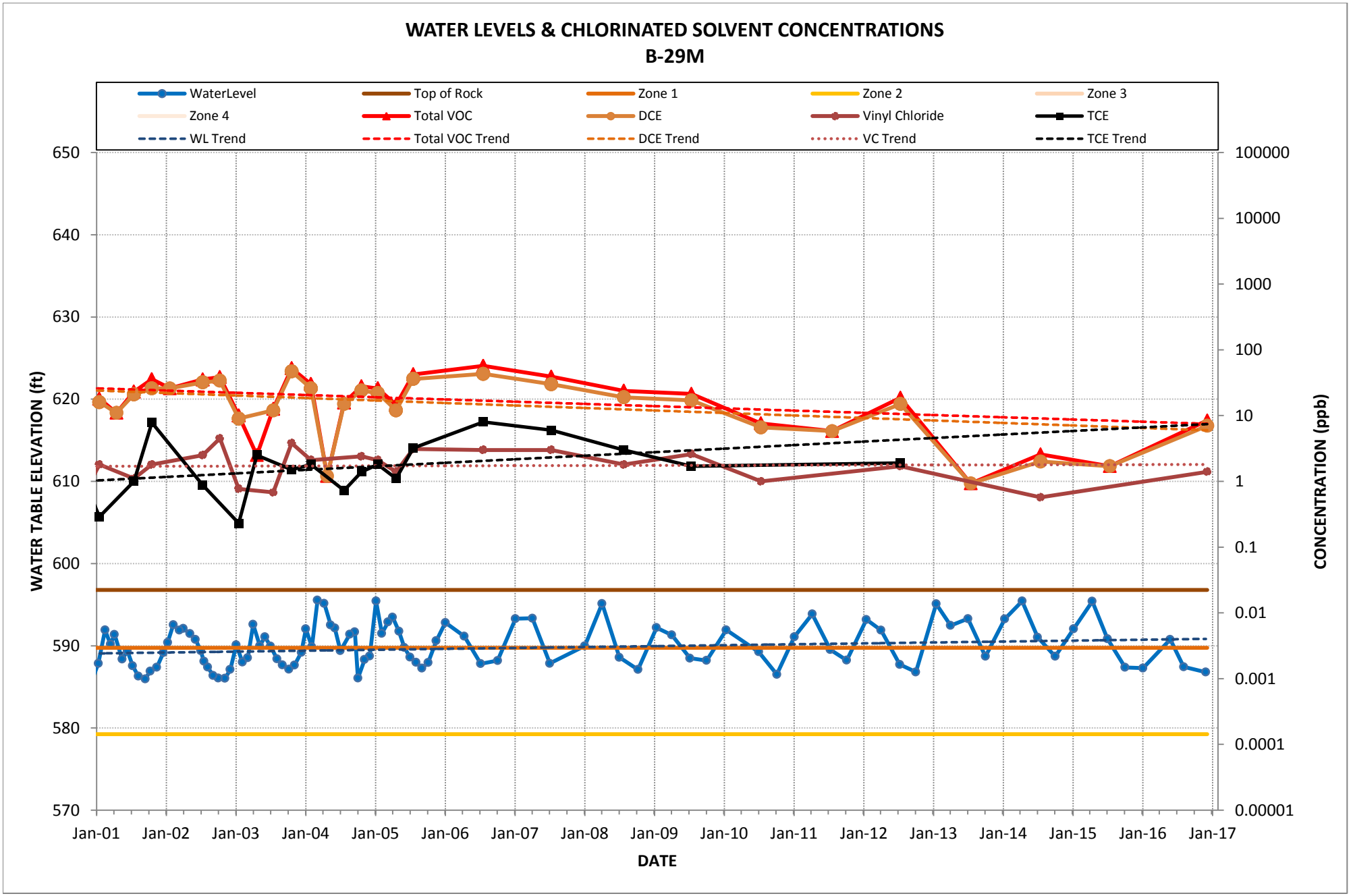

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-24M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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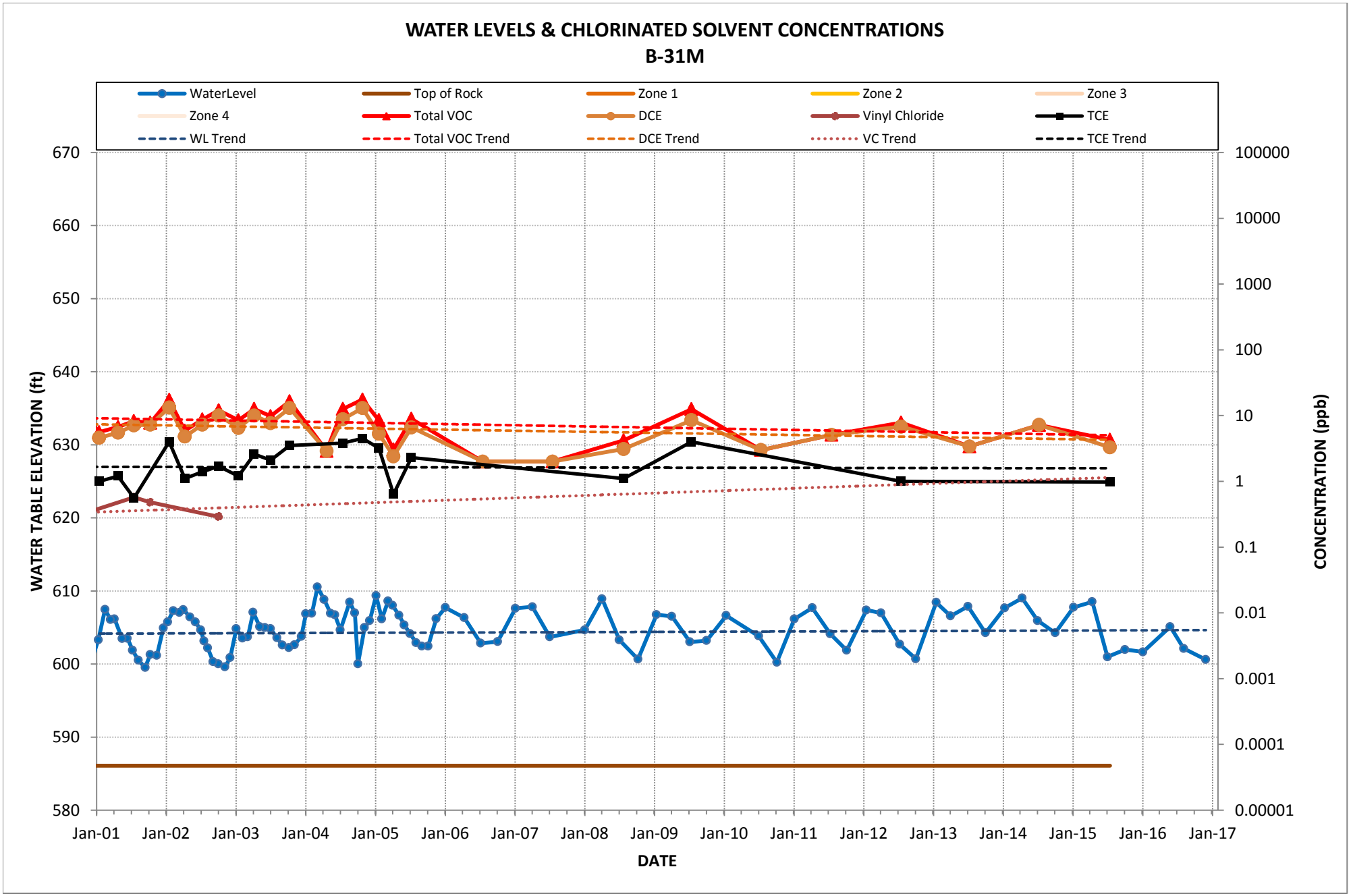

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-25M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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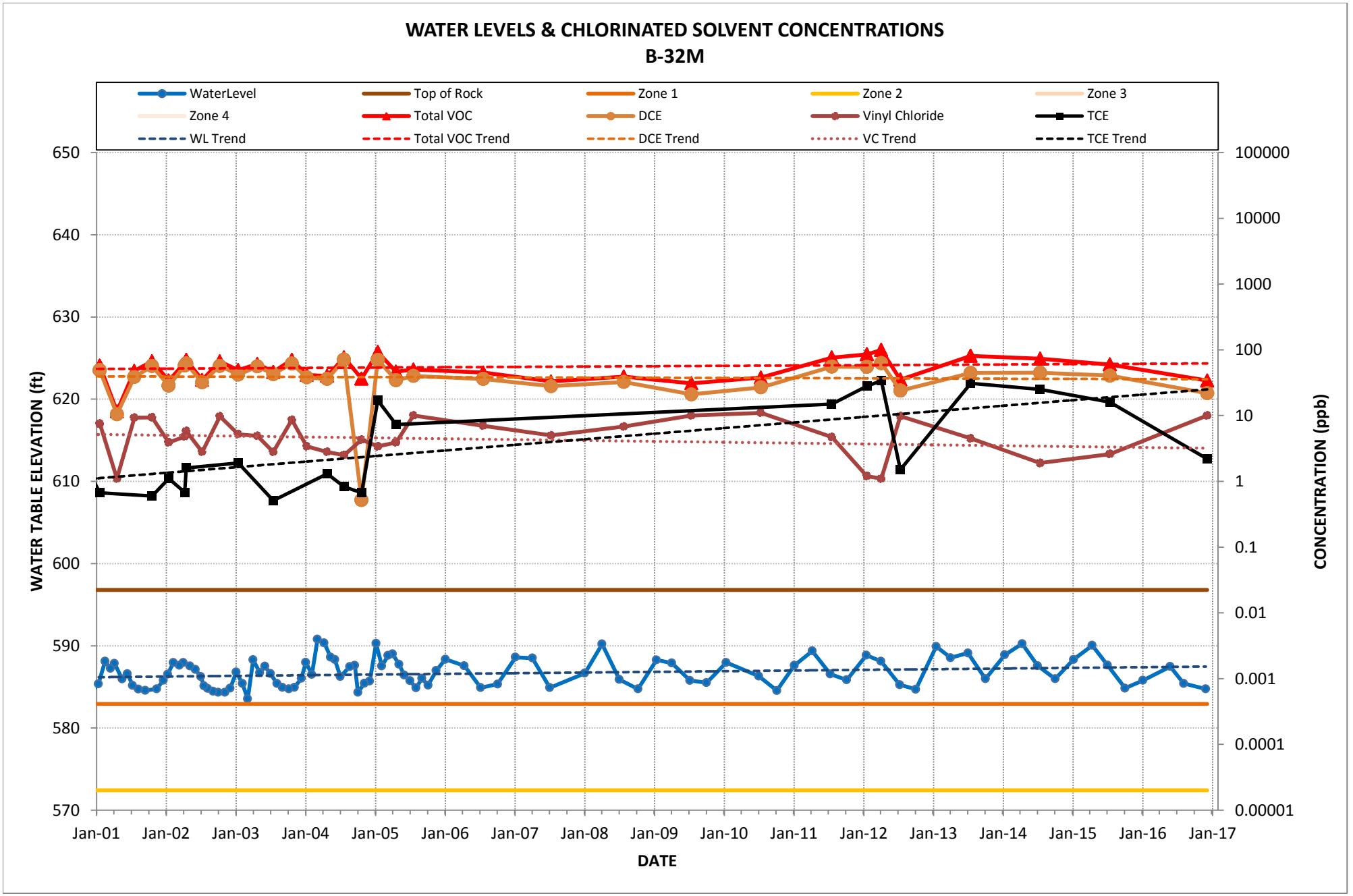

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-26M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
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Jan-07
Jan-08
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Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

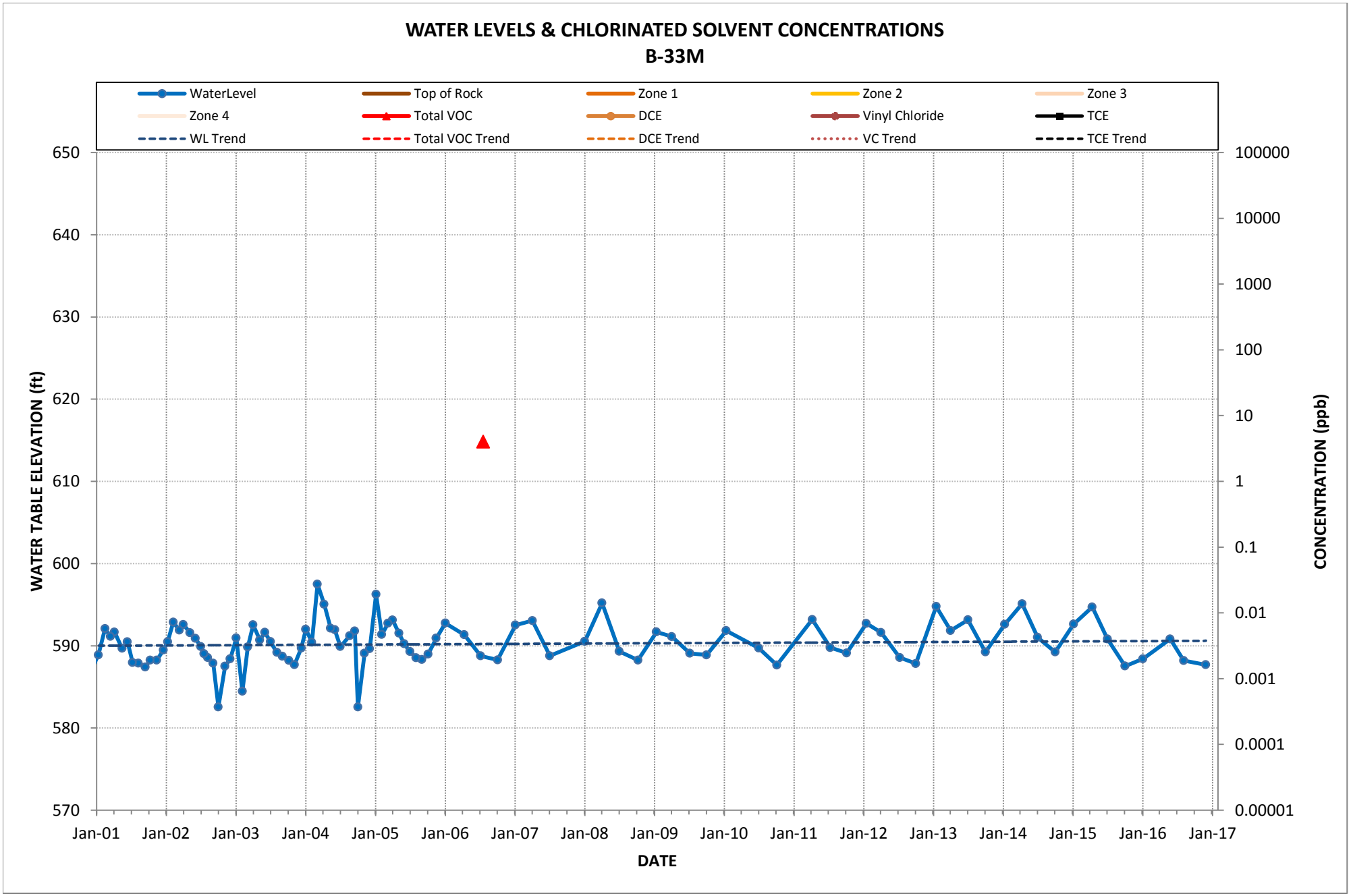

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-27M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
570
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
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Jan-04
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Jan-07
Jan-08
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Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

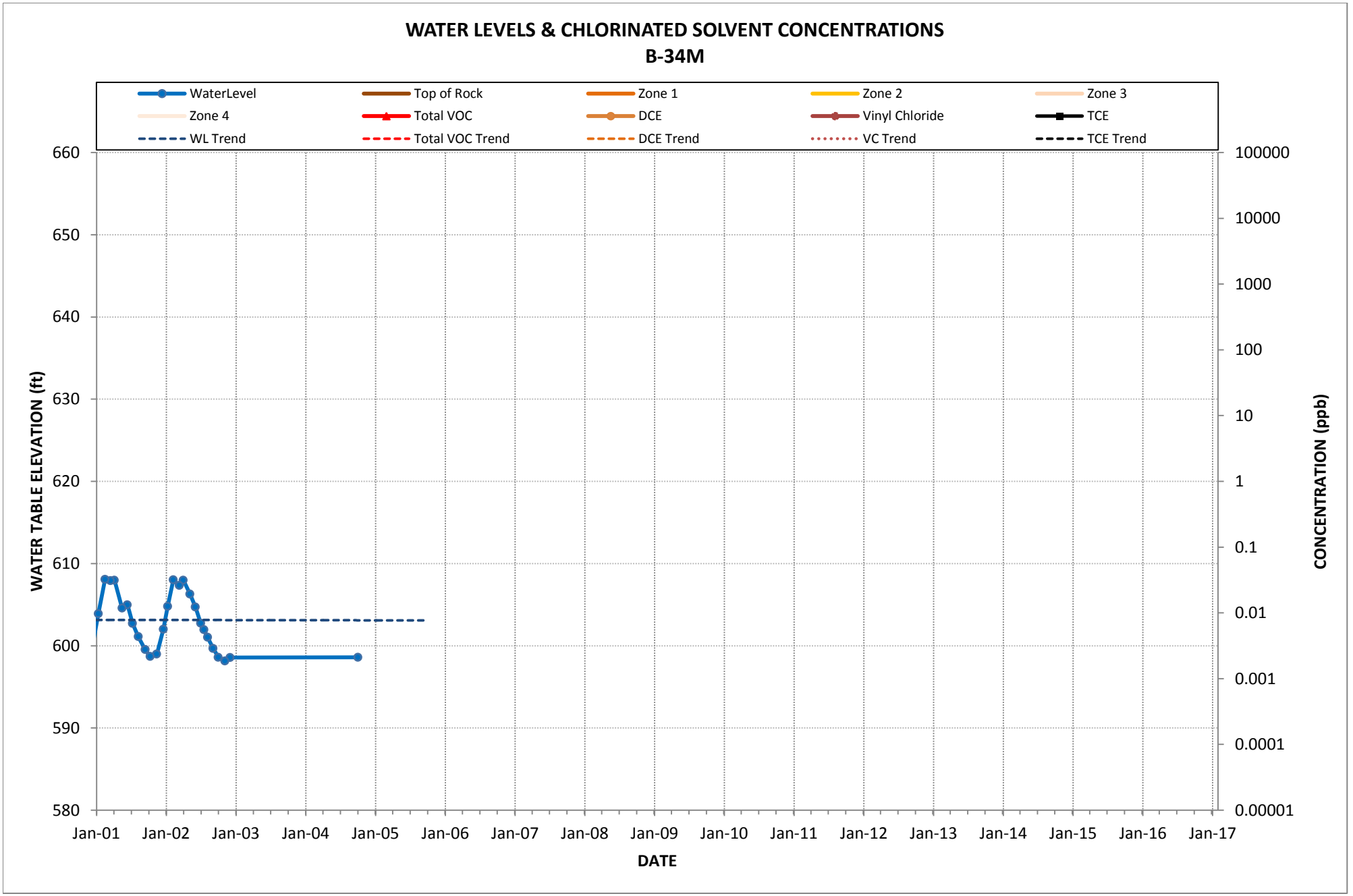

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-28M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
660
650
640
630
620
610
600
590
580
570
CONCENTRATION (ppb)
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
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Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
DATE

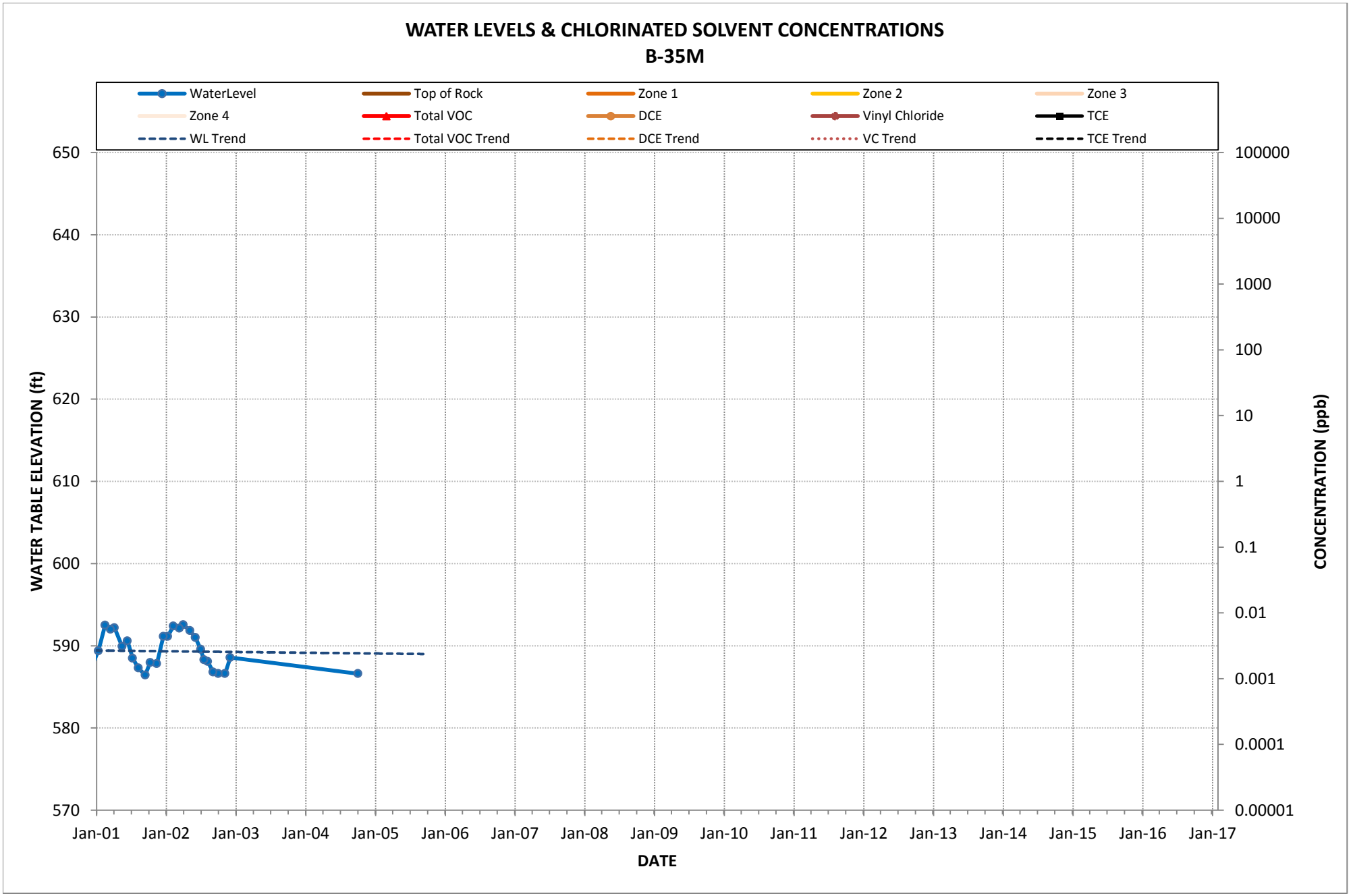

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-29M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
600
590
580
570
CONCENTRATION (ppb)
100000
10000
1000
100
10
1
0.1
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0.0001
0.00001
Jan-01
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Jan-11
Jan-12
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Jan-15
Jan-16
Jan-17
DATE

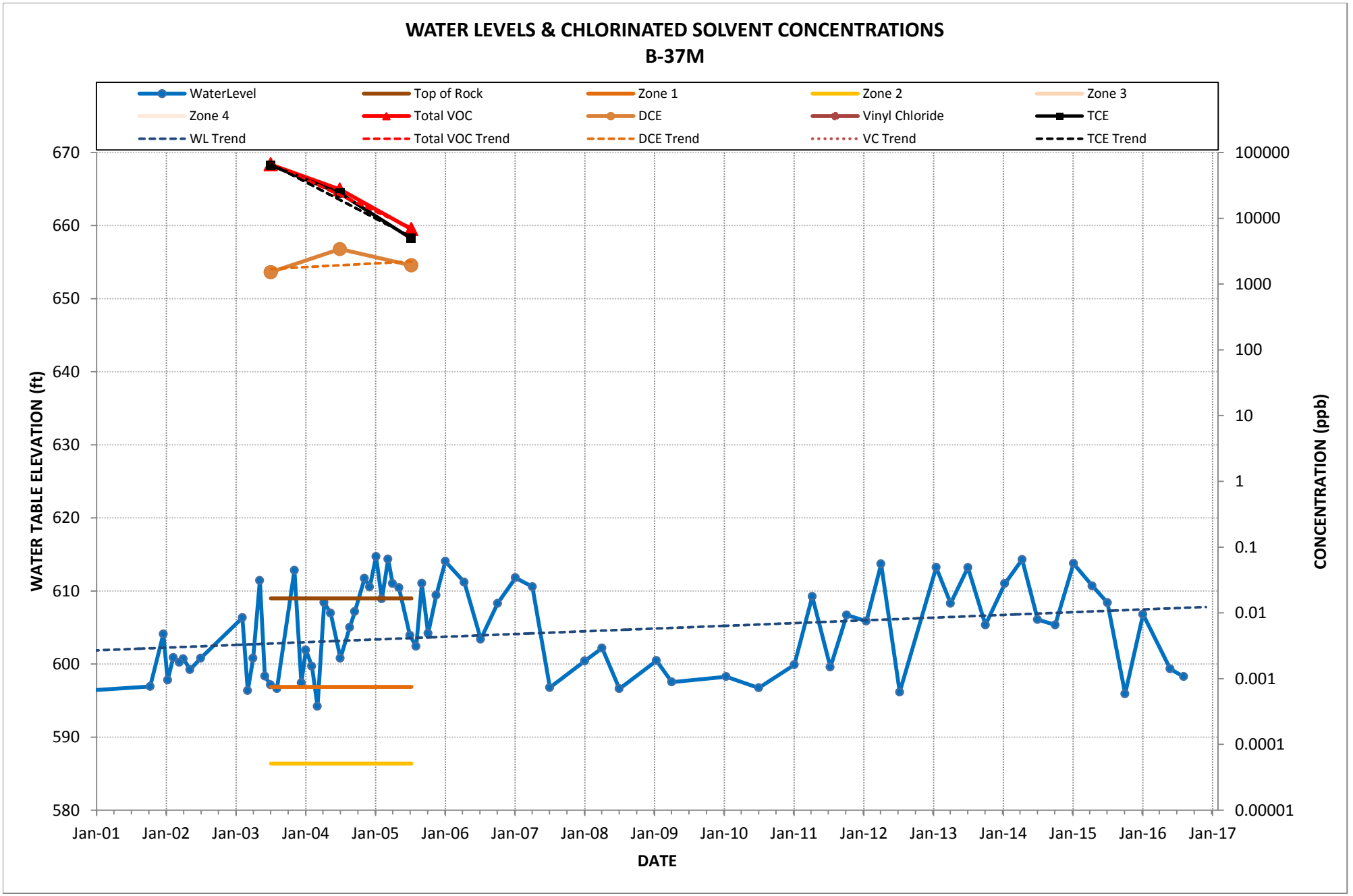

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-31M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
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1
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Jan-01
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Jan-15
Jan-16
Jan-17

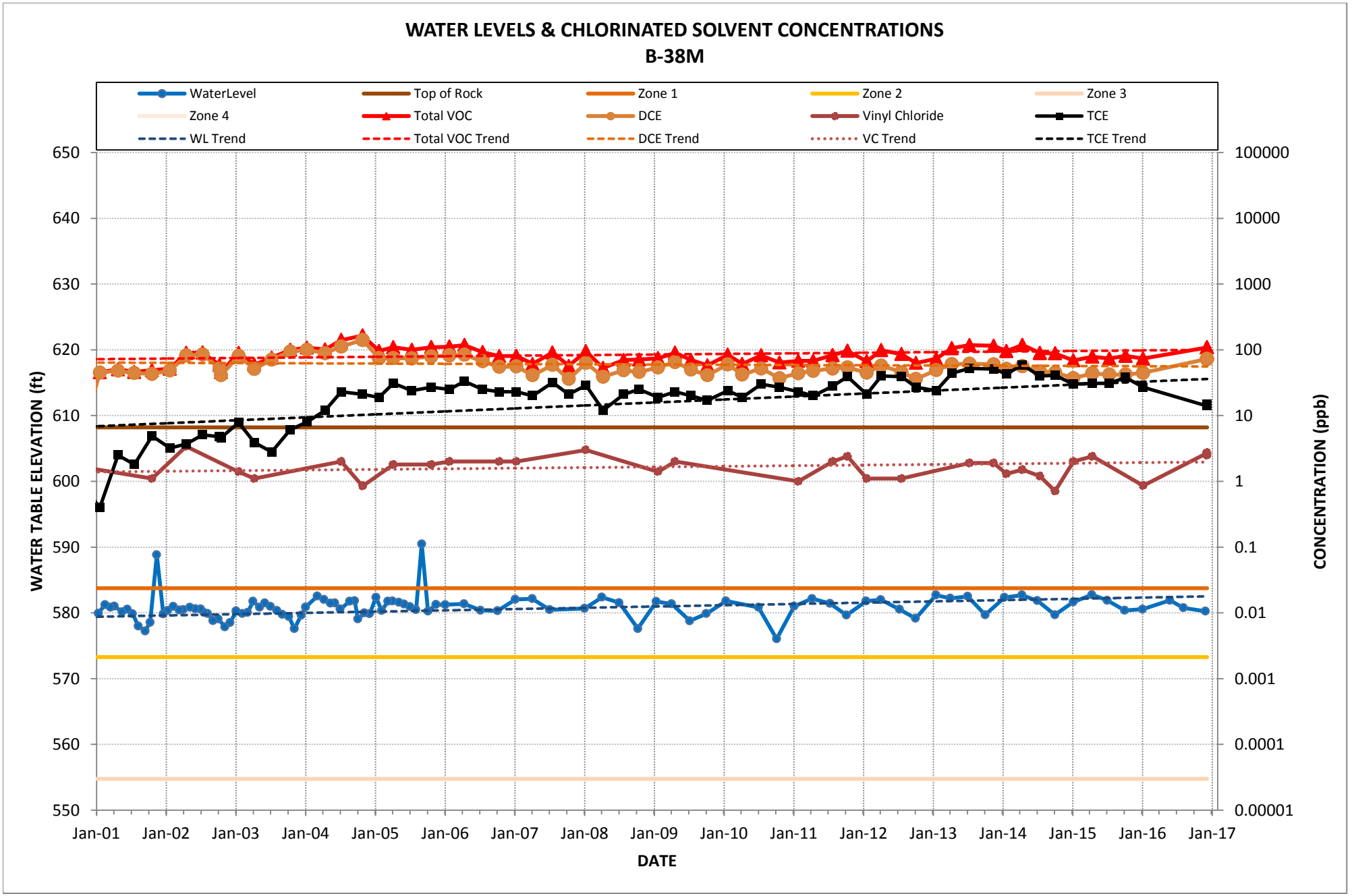

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-32M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
600
590
580
570
CONCENTRATION (ppb)
100000
10000
1000
100
10
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0.0001
0.00001
Jan-01
Jan-02
Jan-03
Jan-04
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Jan-11
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Jan-13
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Jan-15
Jan-16
Jan-17
DATE

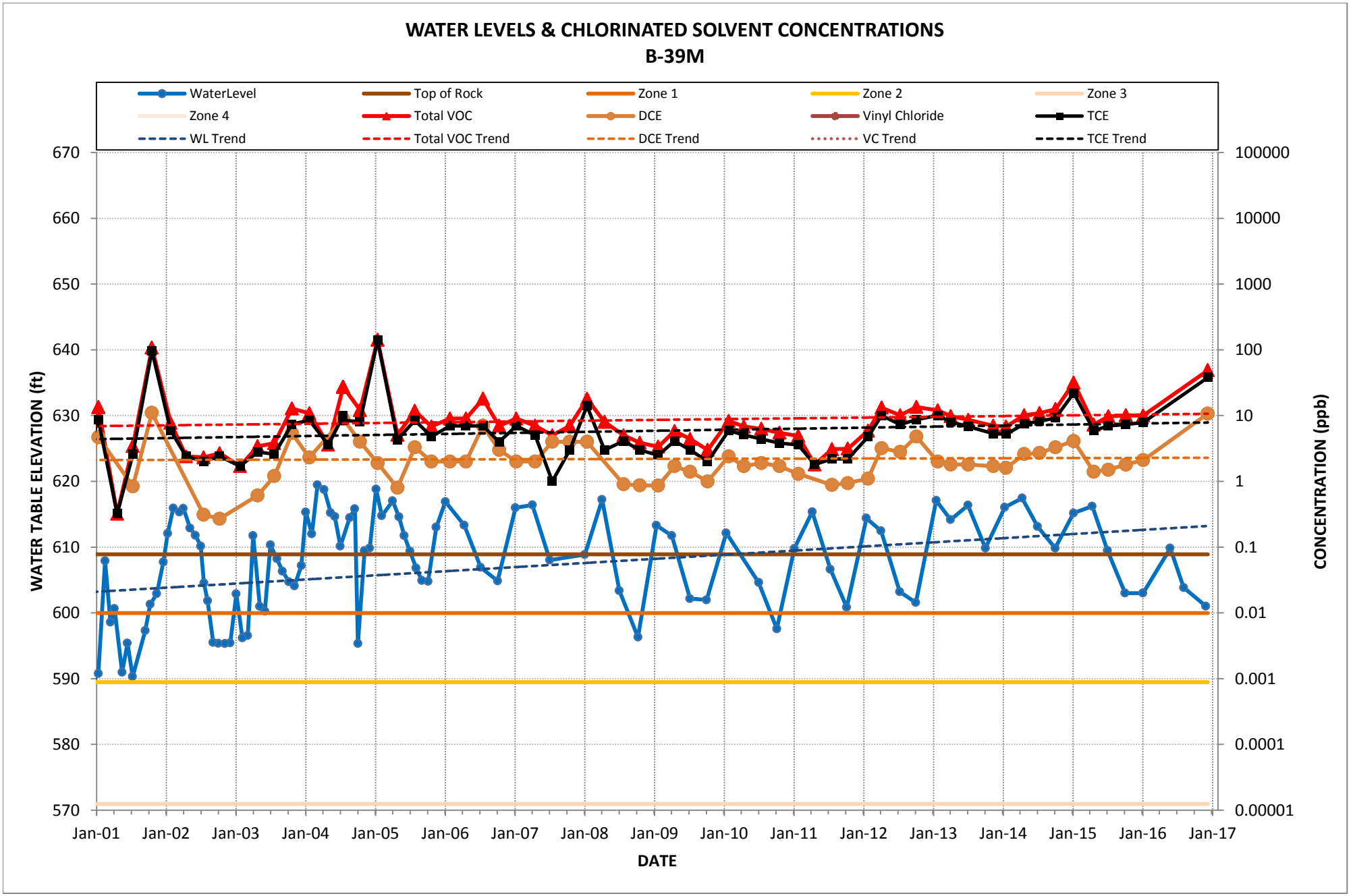

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-33M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
600
590
580
570
CONCENTRATION (ppb)
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10000
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0.0001
0.00001
Jan-01
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Jan-11
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Jan-13
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Jan-15
Jan-16
Jan-17
DATE

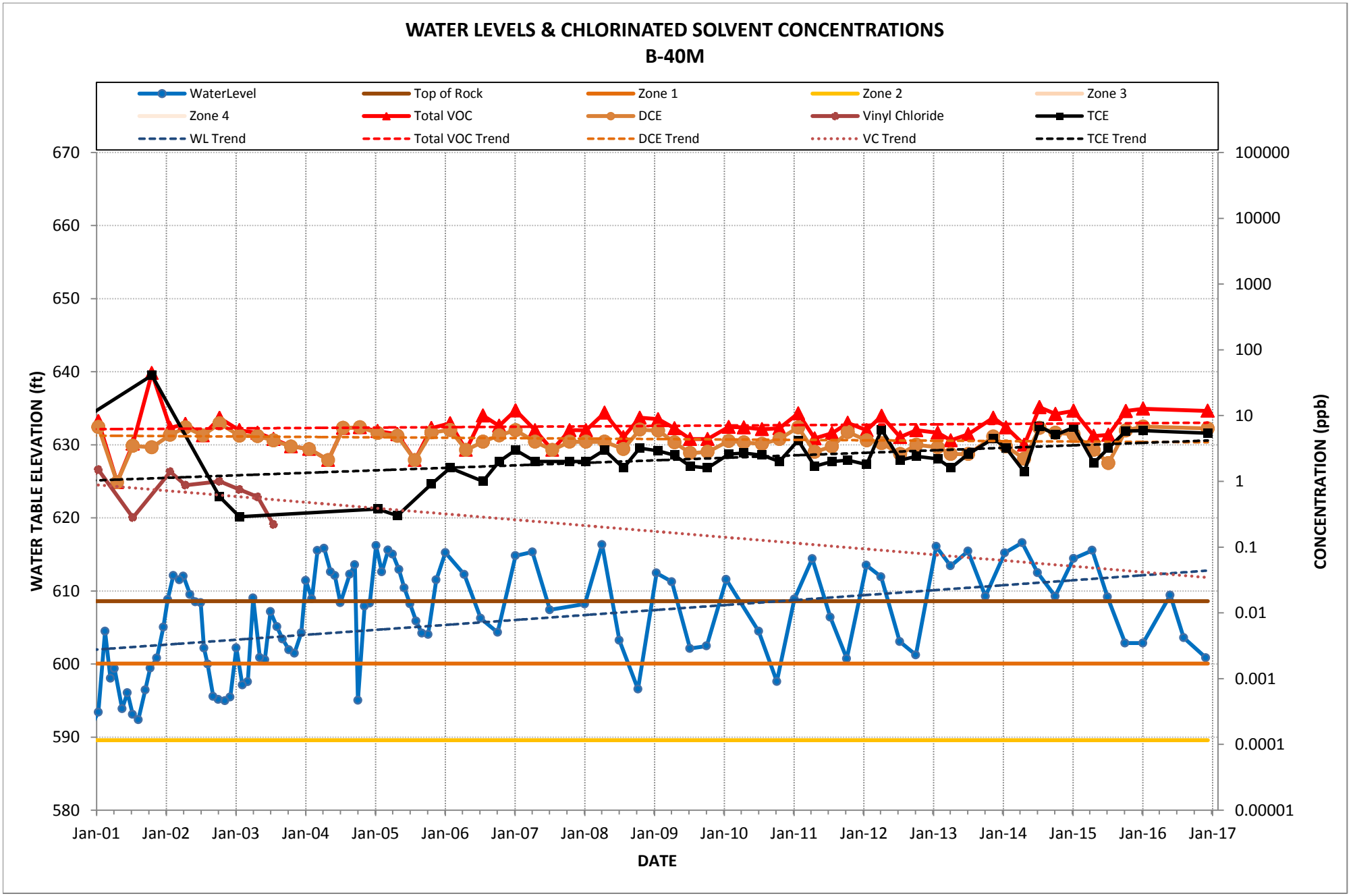

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-34M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
660
650
640
630
620
610
600
590
580
CONCENTRATION (ppb)
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10000
1000
100
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0.0001
0.00001
Jan-01
Jan-02
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Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
DATE

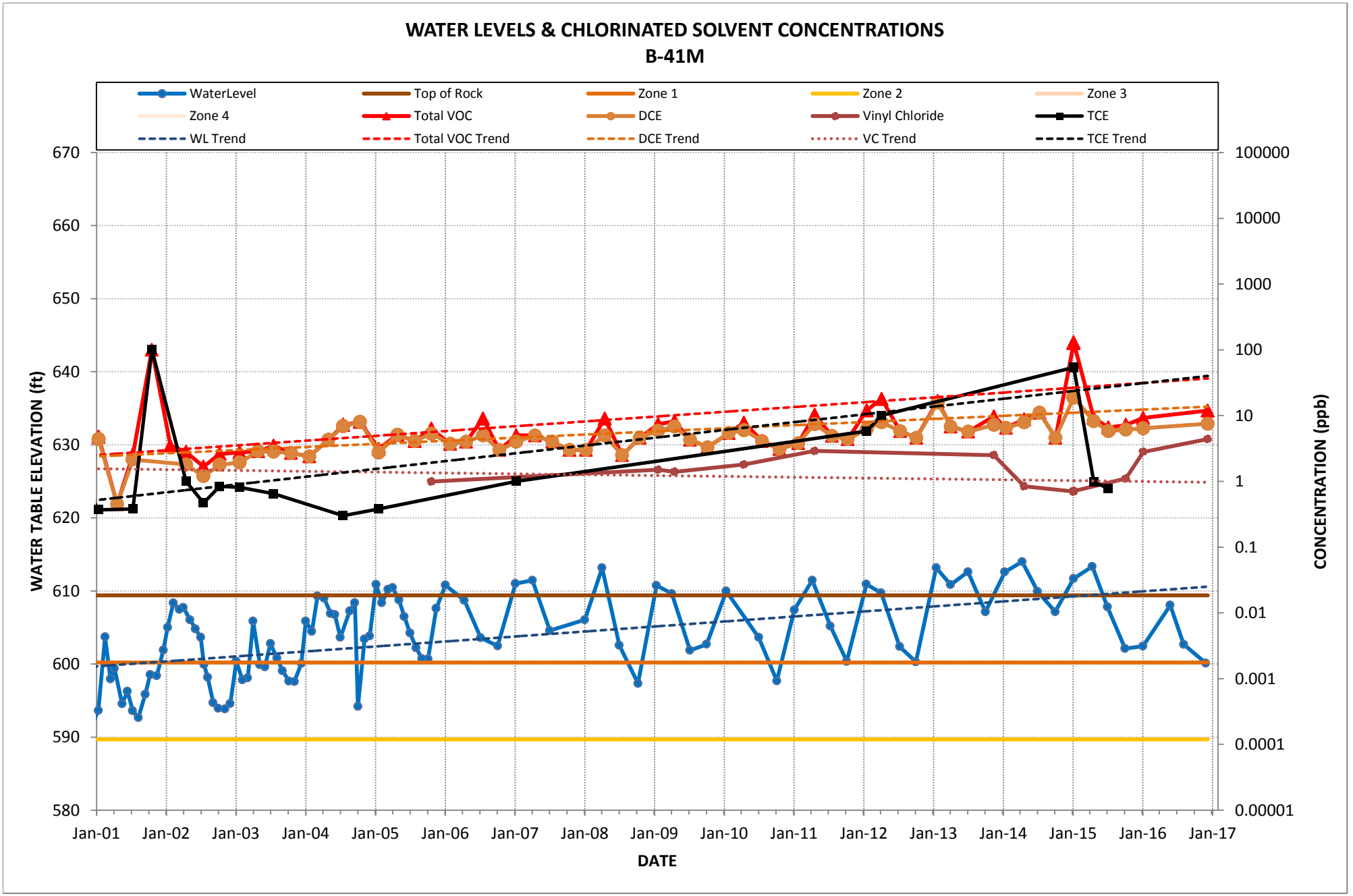

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-35M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
650
640
630
620
610
600
590
580
570
WATER TABLE ELEVATION (ft)
100000
10000
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0.01
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0.0001
0.00001
CONCENTRATION (ppb)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
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Jan-14
Jan-15
Jan-16
Jan-17
DATE

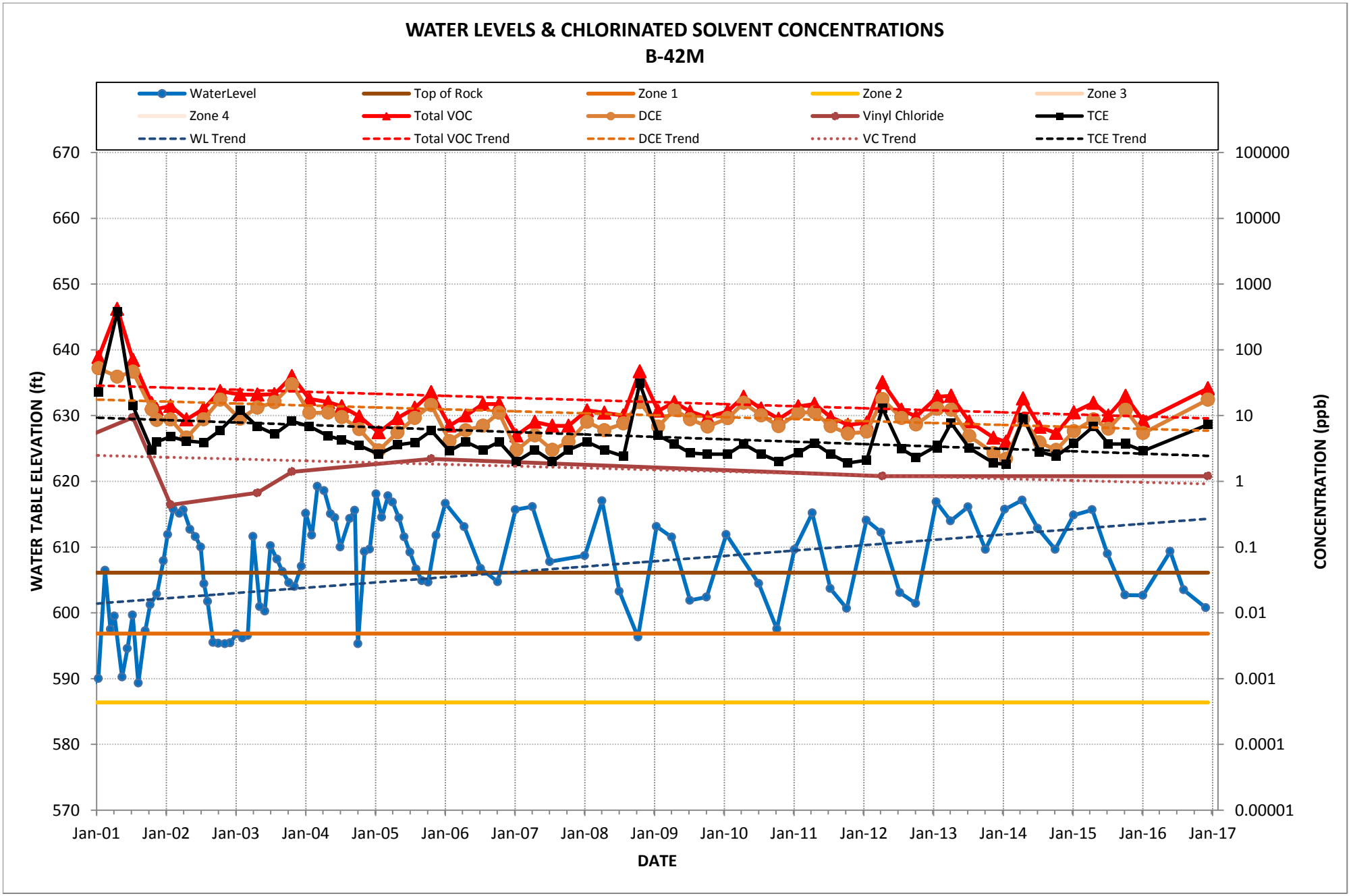

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-37M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
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650
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630
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100000
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Jan-01
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Jan-14
Jan-15
Jan-16
Jan-17

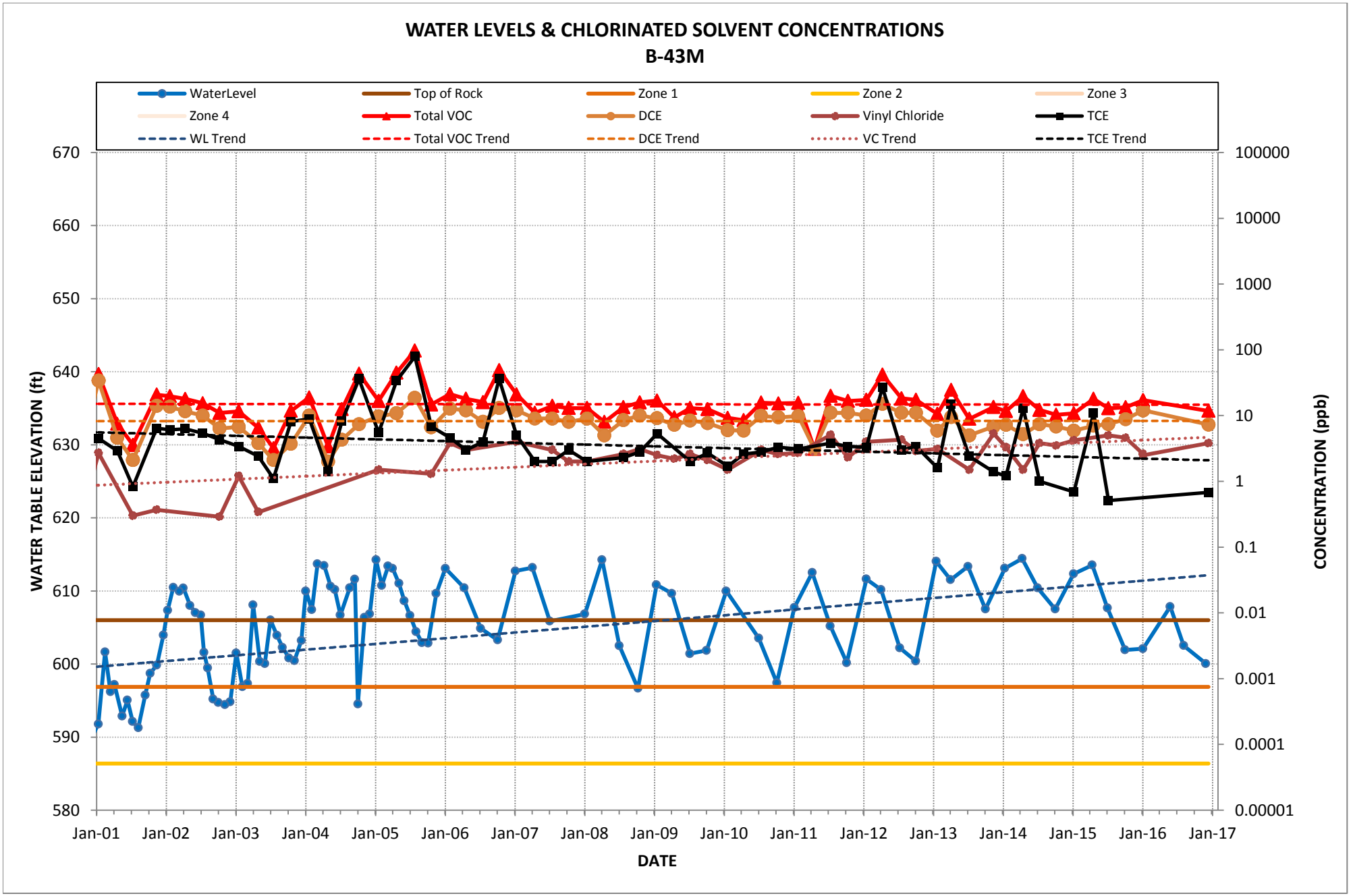

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-38M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
650
640
630
620
610
600
590
580
570
560
550
WATER TABLE ELEVATION (ft)
100000
10000
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0.00001
CONCENTRATION (ppb)
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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Jan-08
Jan-09
Jan-10
Jan-11
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Jan-15
Jan-16
Jan-17
DATE

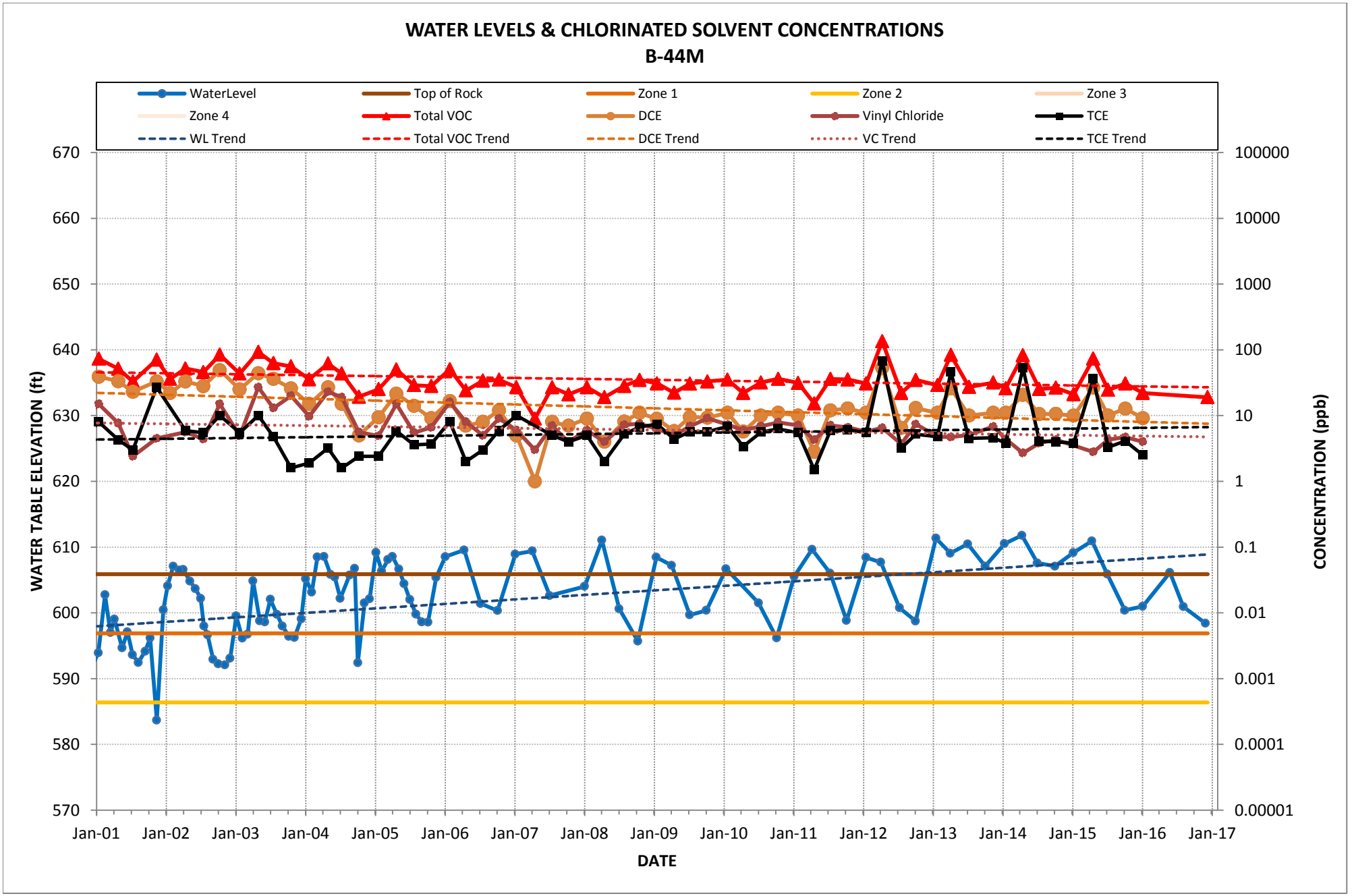

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-39M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
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590
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100000
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0.00001
Jan-01
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Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

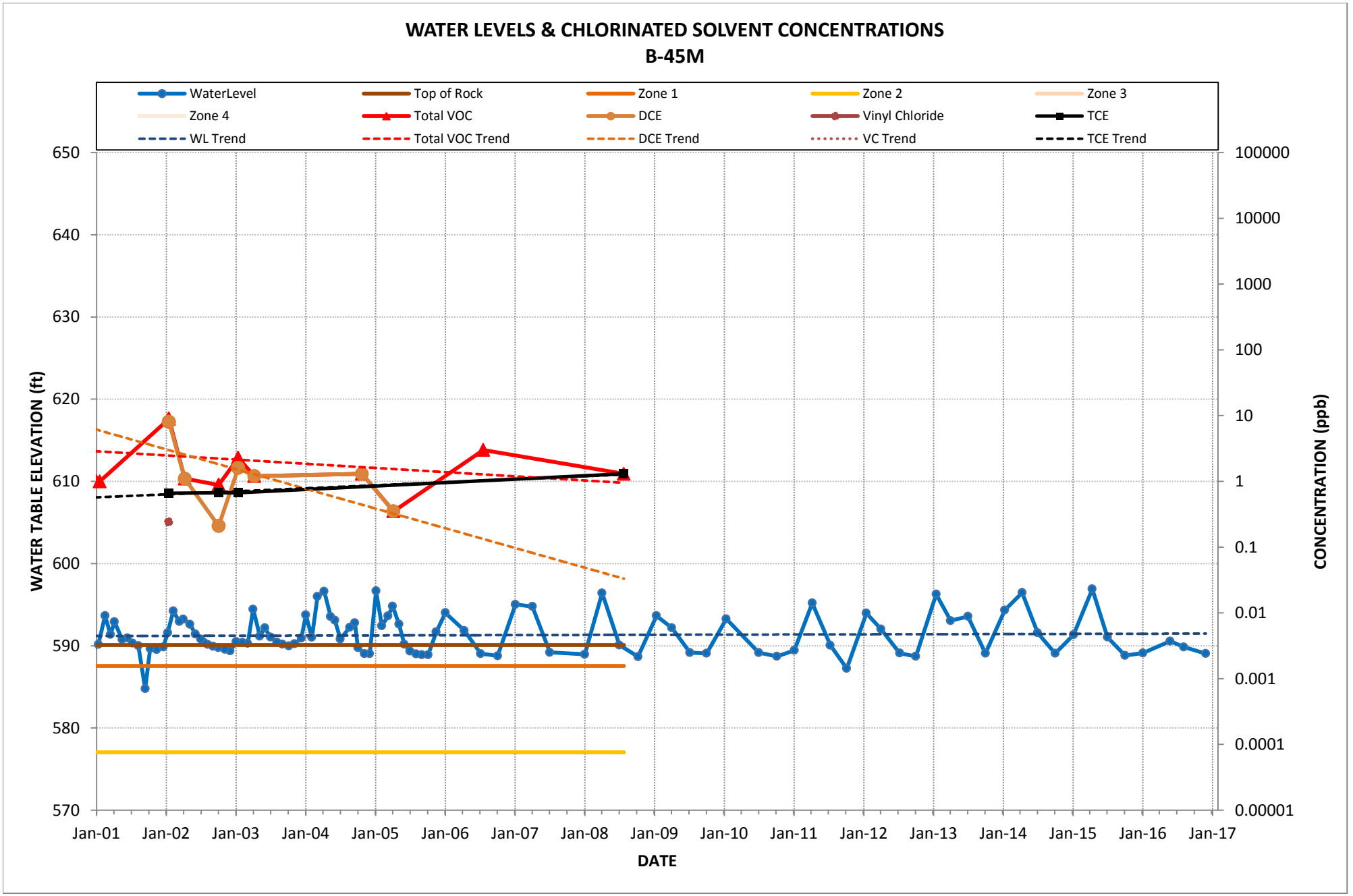

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-40M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
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Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

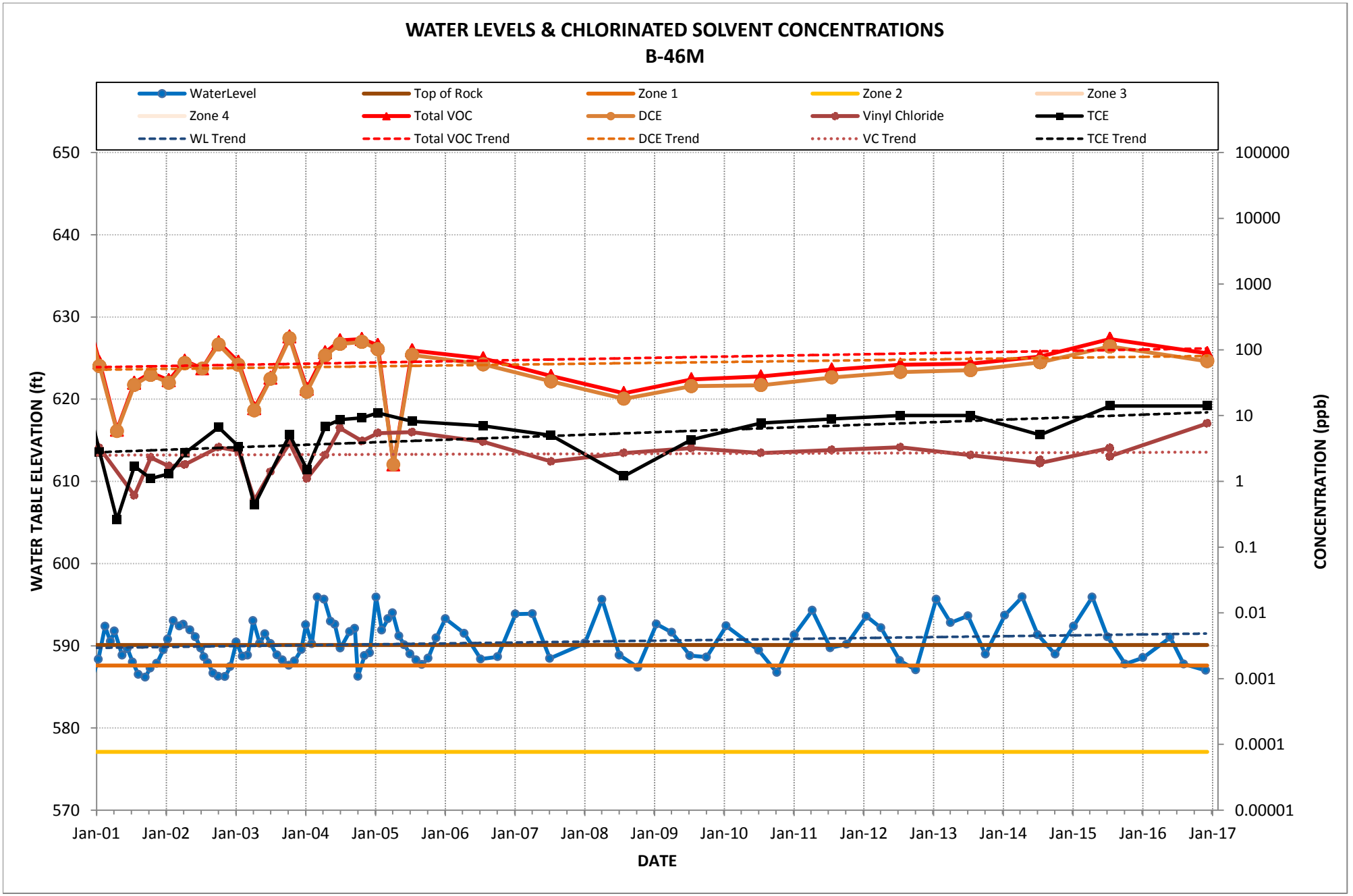

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-41M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
Jan-03
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Jan-11
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Jan-13
Jan-14
Jan-15
Jan-16
Jan-17

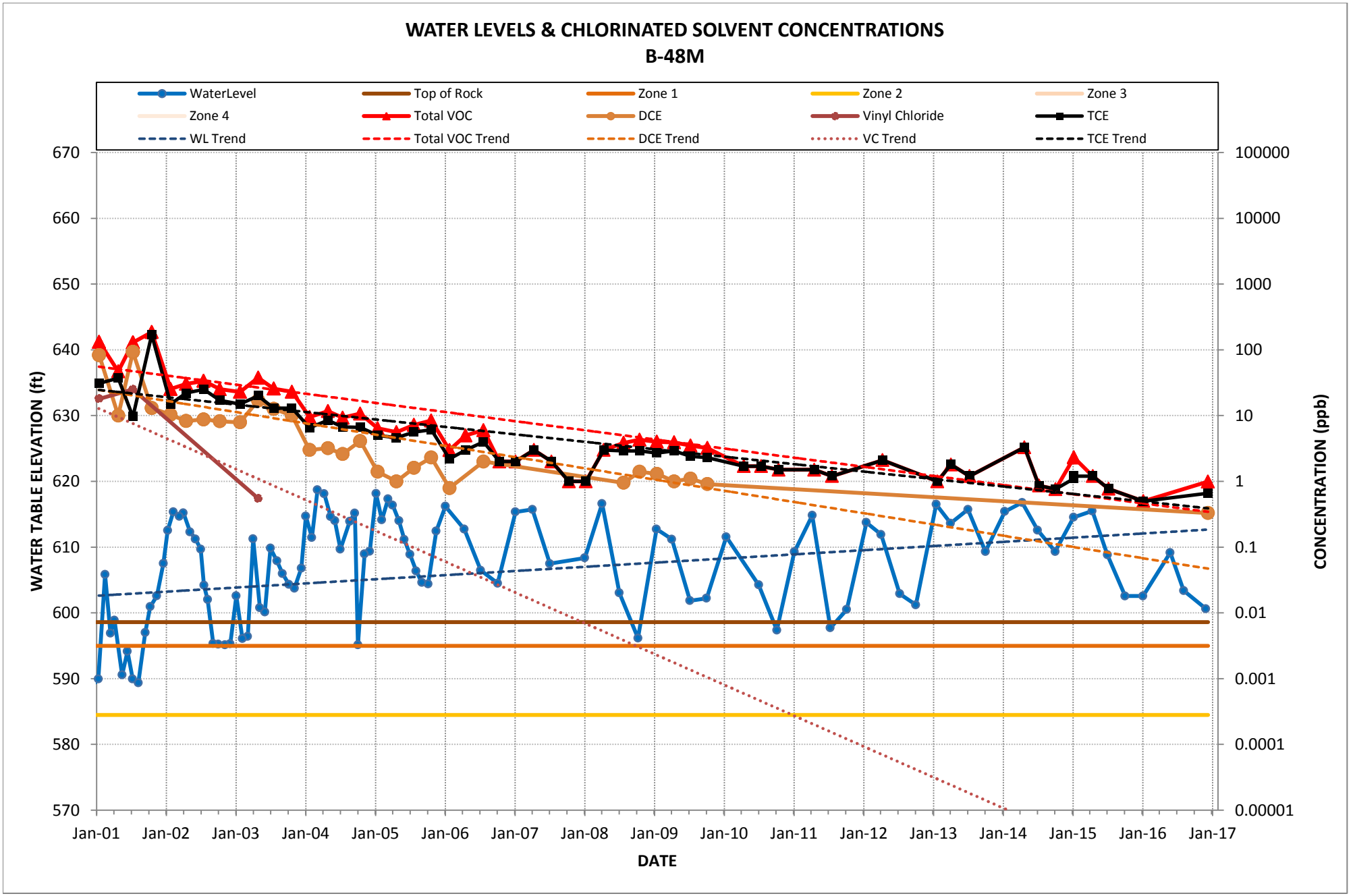

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-42M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
570
100000
10000
1000
100
10
1
0.1
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0.0001
0.00001
Jan-01
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Jan-14
Jan-15
Jan-16
Jan-17

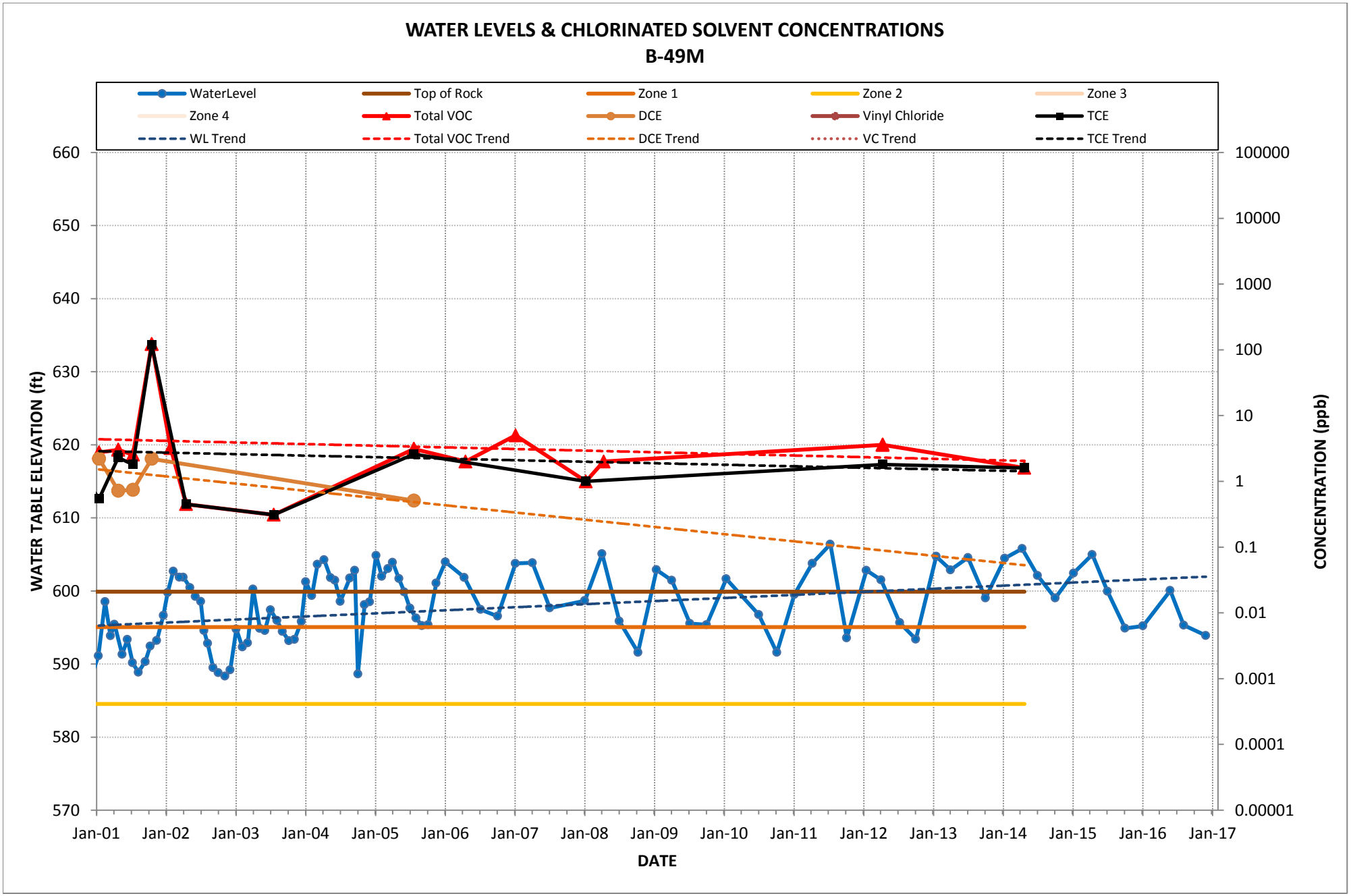

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-43M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
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Jan-15
Jan-16
Jan-17

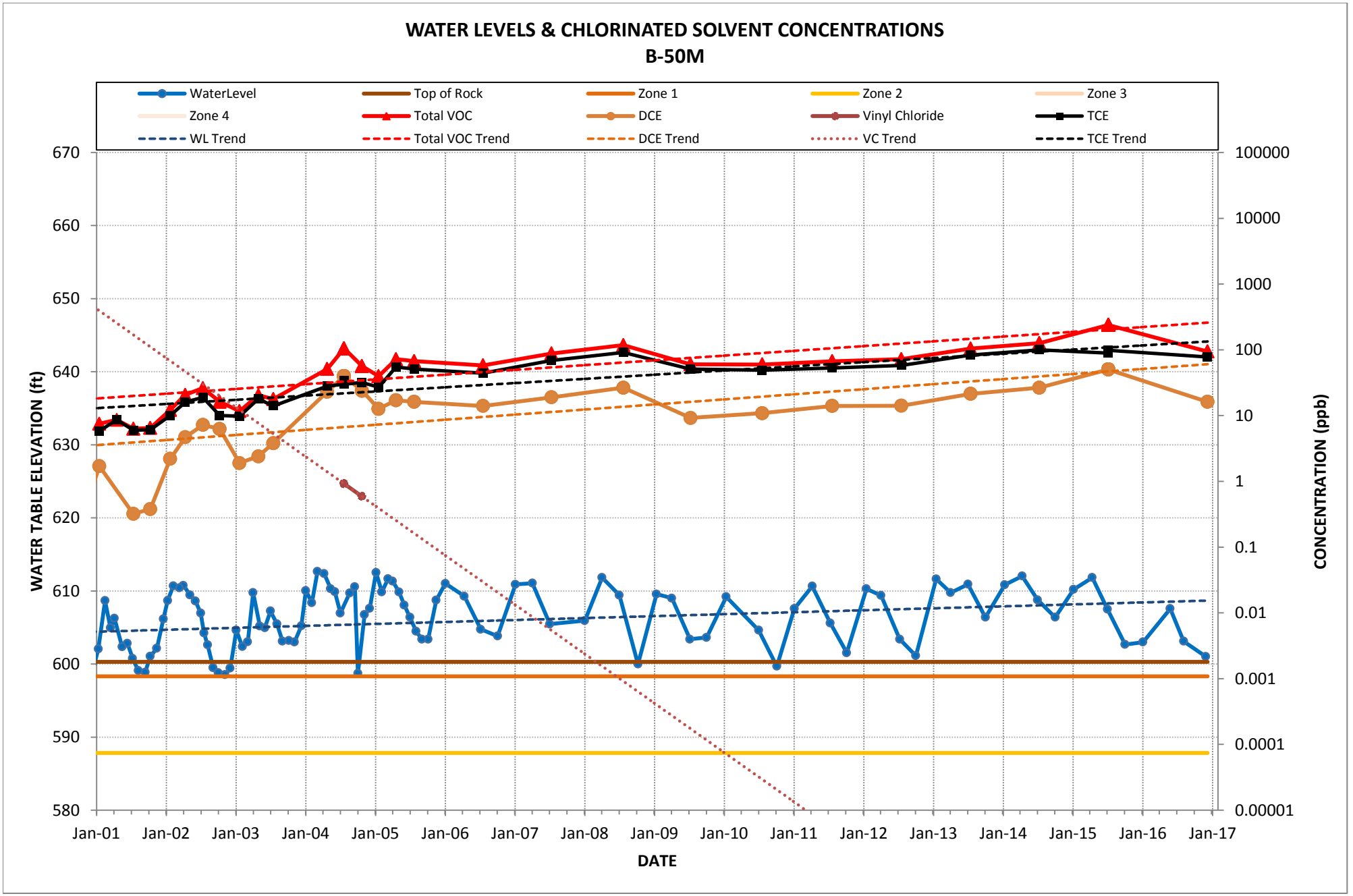

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-44M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
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600
590
580
570
100000
10000
1000
100
10
1
0.1
0.01
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0.0001
0.00001
Jan-01
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Jan-16
Jan-17

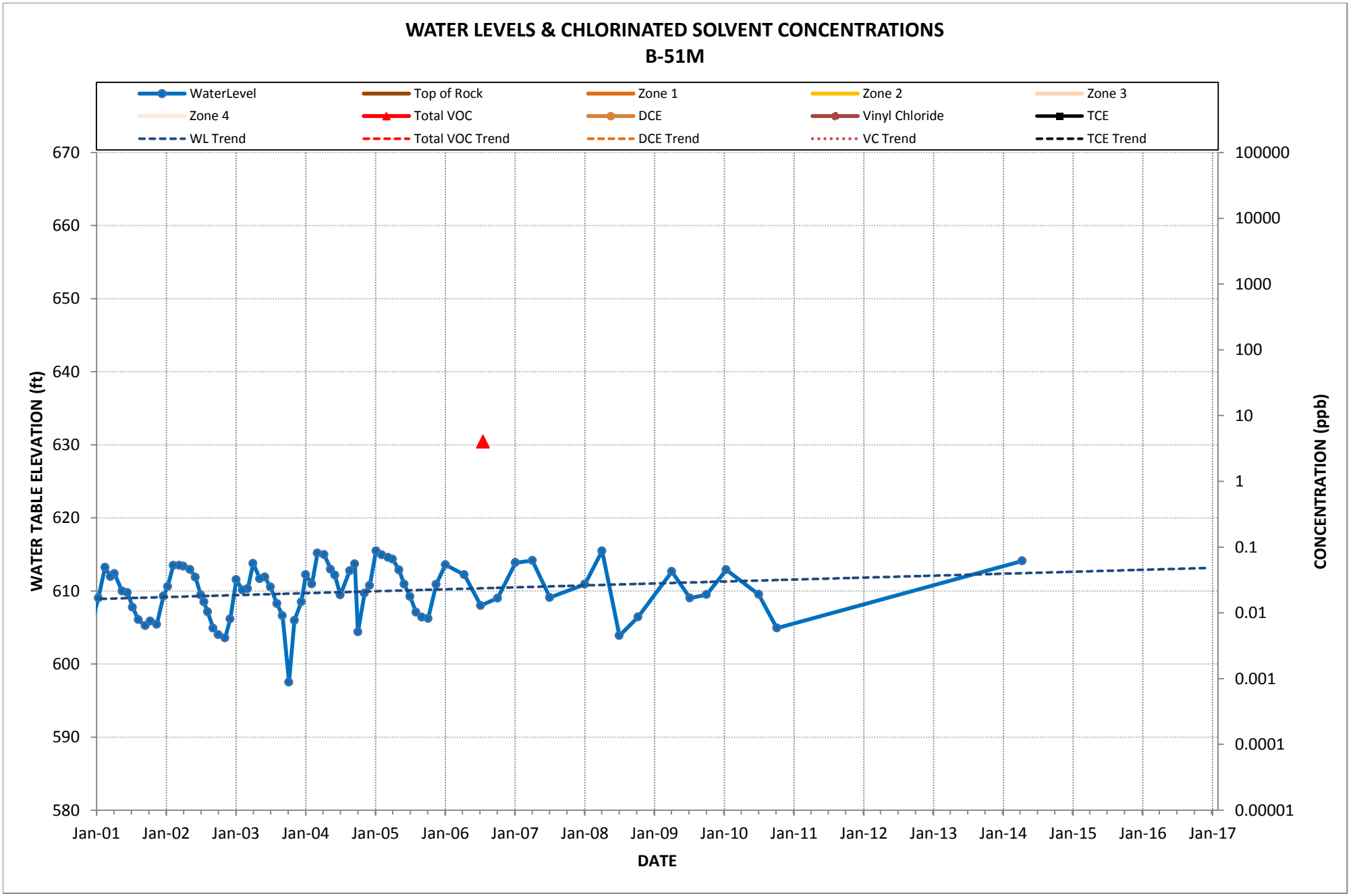

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-45M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
600
590
580
570
CONCENTRATION (ppb)
100000
10000
1000
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Jan-01
Jan-02
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Jan-16
Jan-17
DATE

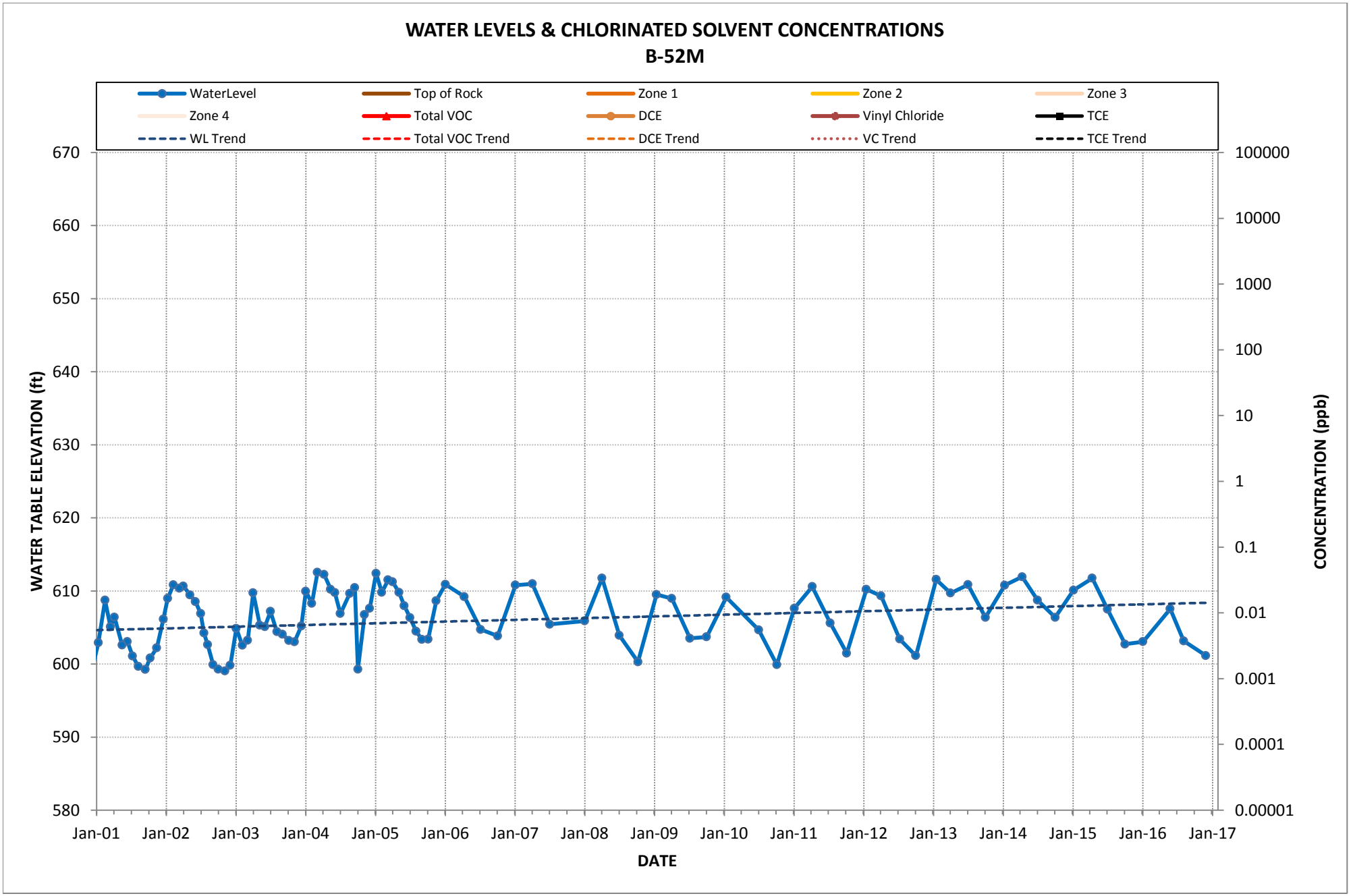

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-46M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
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570
CONCENTRATION (ppb)
100000
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Jan-01
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Jan-16
Jan-17
DATE

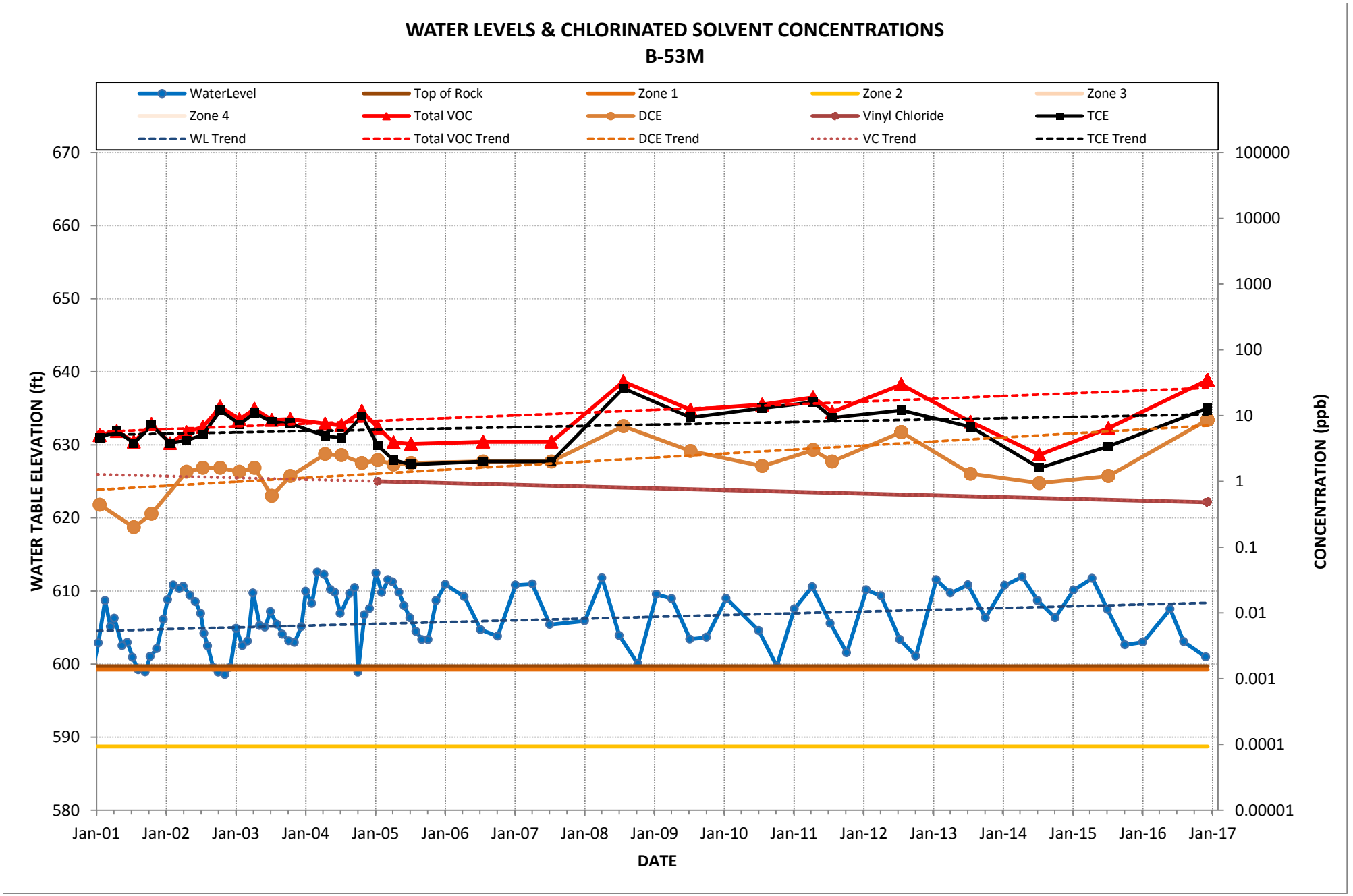

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-48M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
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620
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600
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580
570
100000
10000
1000
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Jan-01
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Jan-16
Jan-17

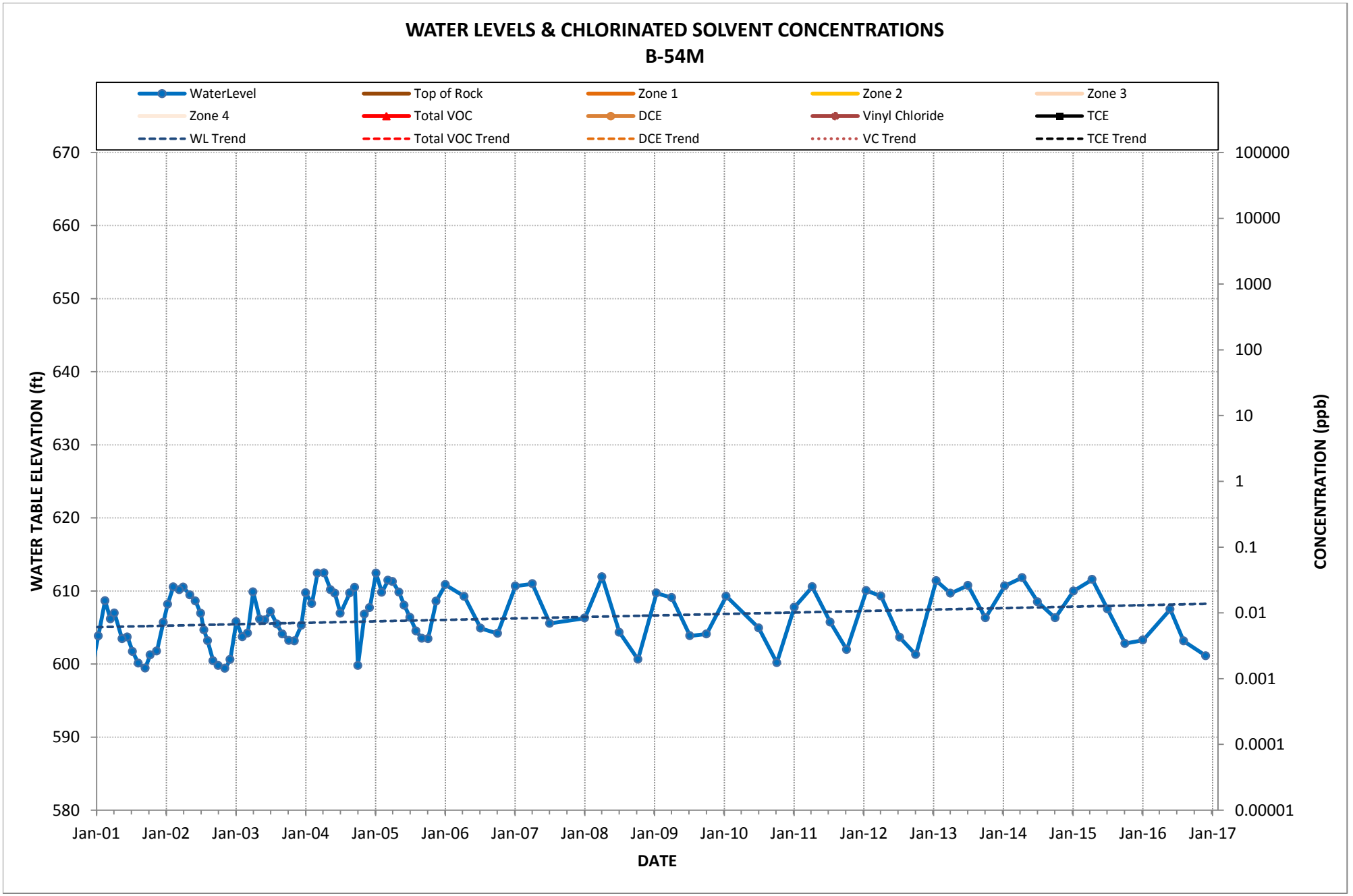

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-49M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
660
650
640
630
620
610
600
590
580
570
100000
10000
1000
100
10
1
0.1
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Jan-01
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Jan-14
Jan-15
Jan-16
Jan-17

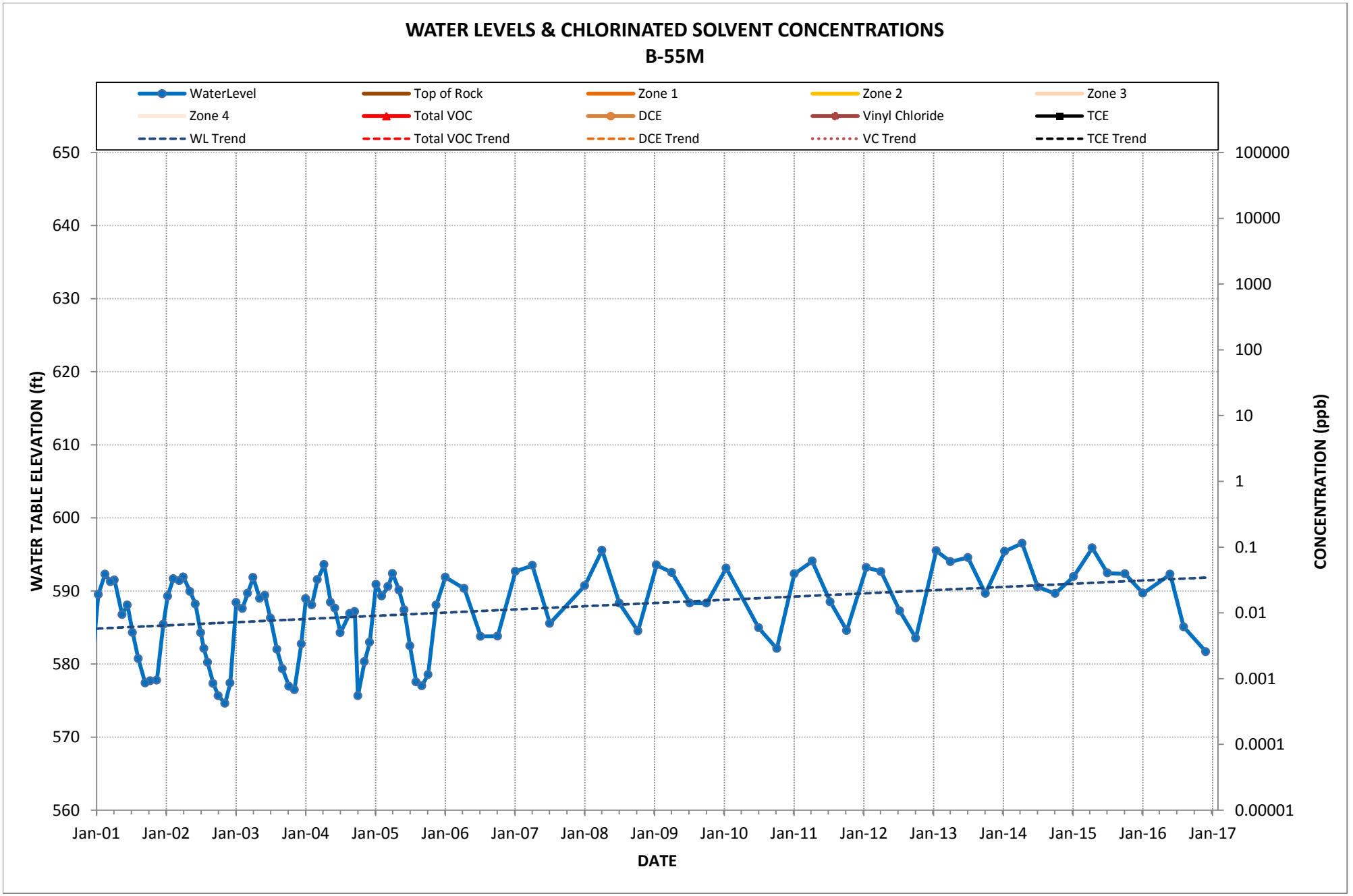

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-50M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
610
600
590
580
100000
10000
1000
100
10
1
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Jan-17

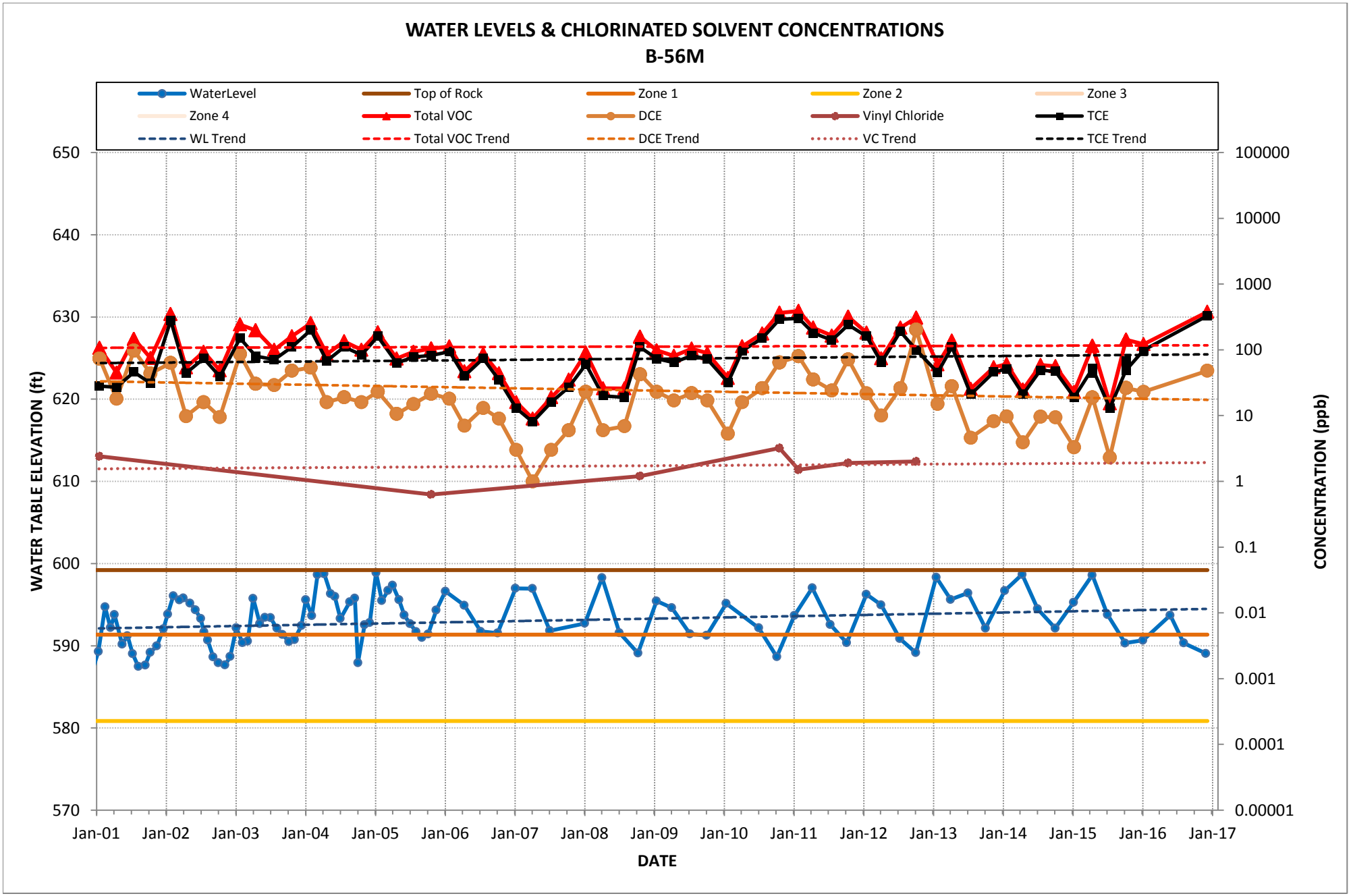

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-51M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
660
650
640
630
620
610
600
590
580
CONCENTRATION (ppb)
100000
10000
1000
100
10
1
0.1
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Jan-01
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Jan-15
Jan-16
Jan-17
DATE

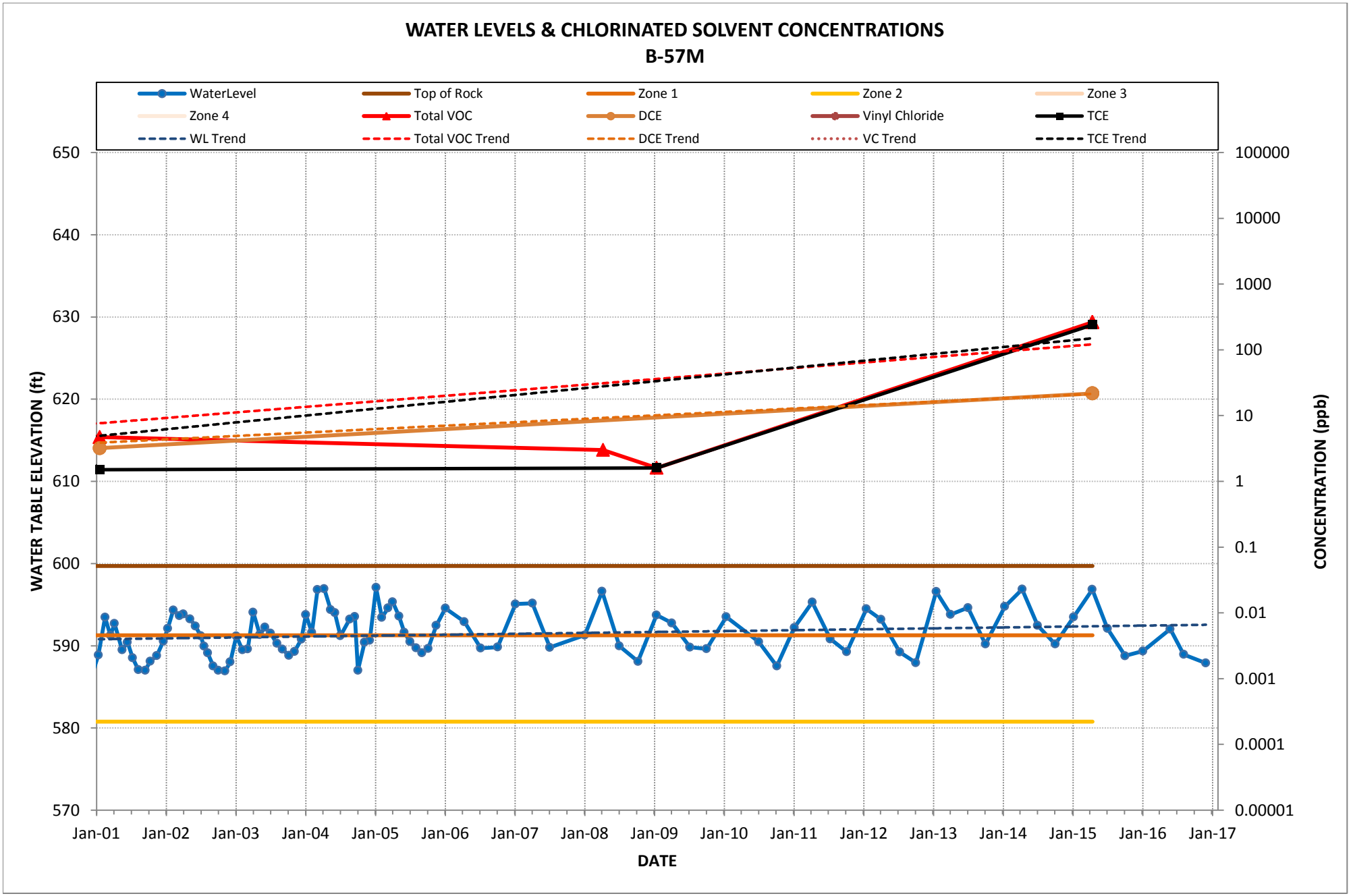

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-52M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
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630
620
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600
590
580
100000
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Jan-16
Jan-17

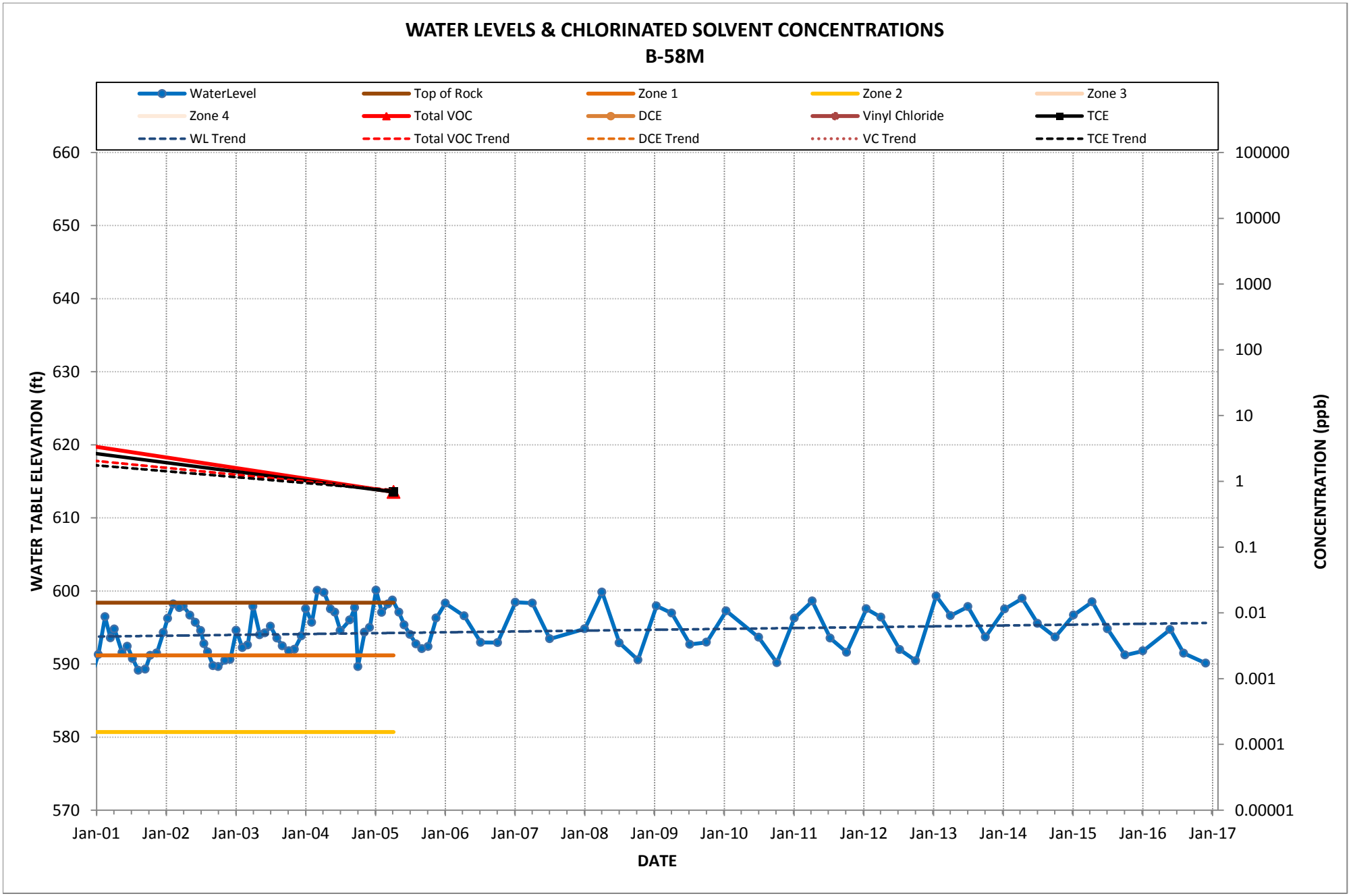

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-53M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
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100000
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Jan-16
Jan-17

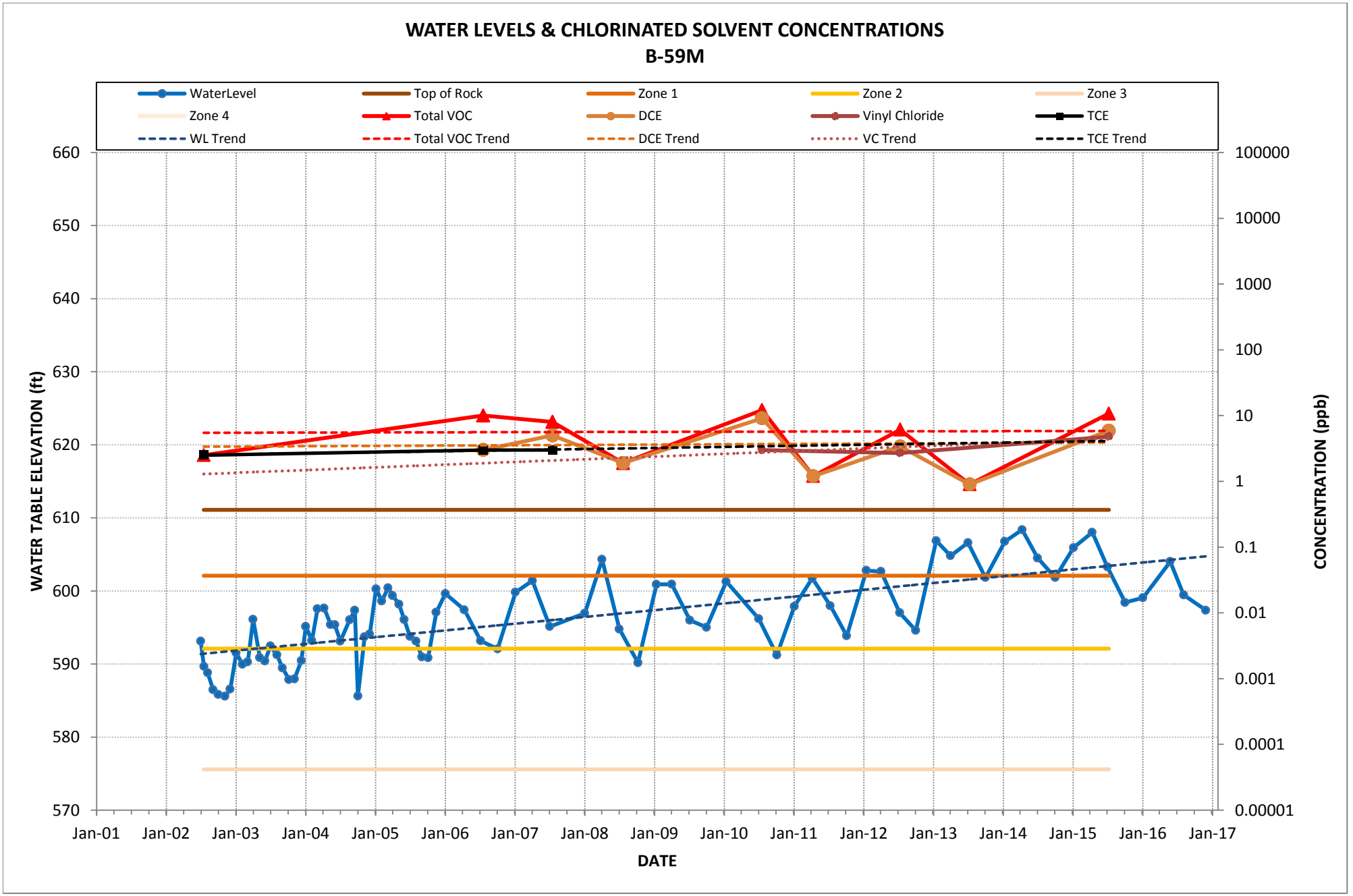

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-54M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
660
650
640
630
620
610
600
590
580
CONCENTRATION (ppb)
100000
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Jan-15
Jan-16
Jan-17
DATE

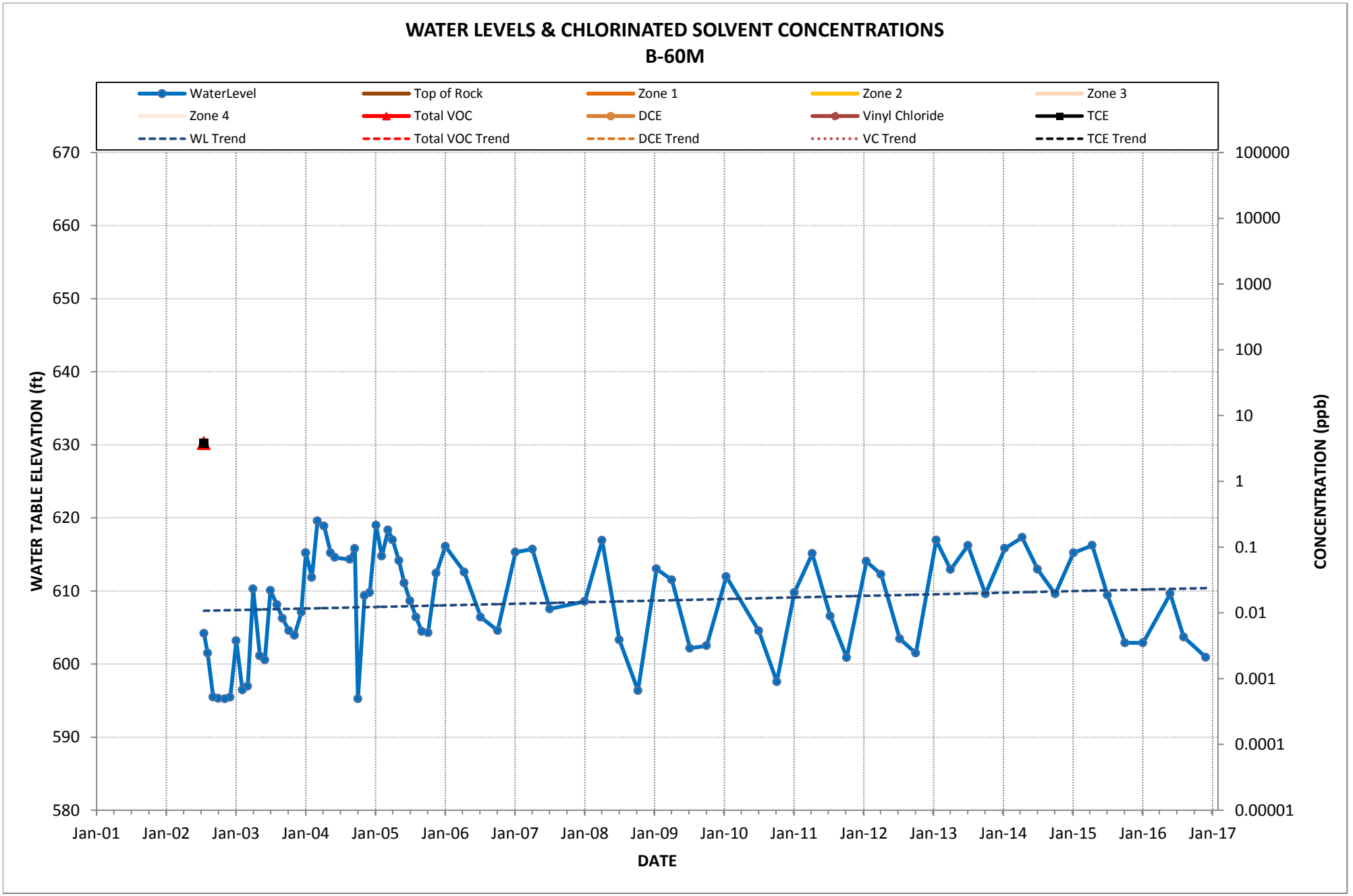

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-55M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
640
630
620
610
600
590
580
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560
CONCENTRATION (ppb)
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Jan-16
Jan-17
DATE

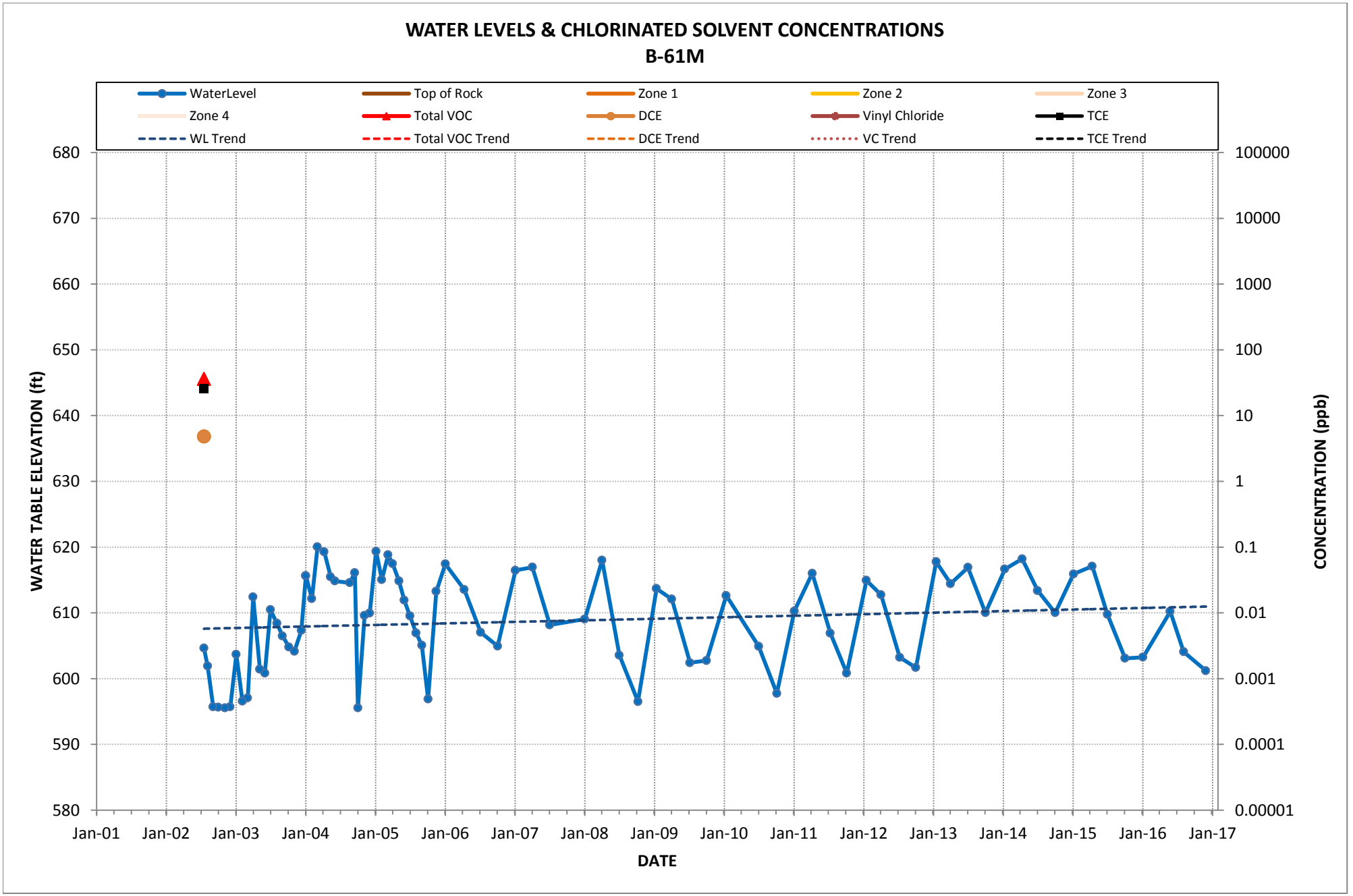

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-56M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
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630
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600
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570
CONCENTRATION (ppb)
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Jan-15
Jan-16
Jan-17
DATE

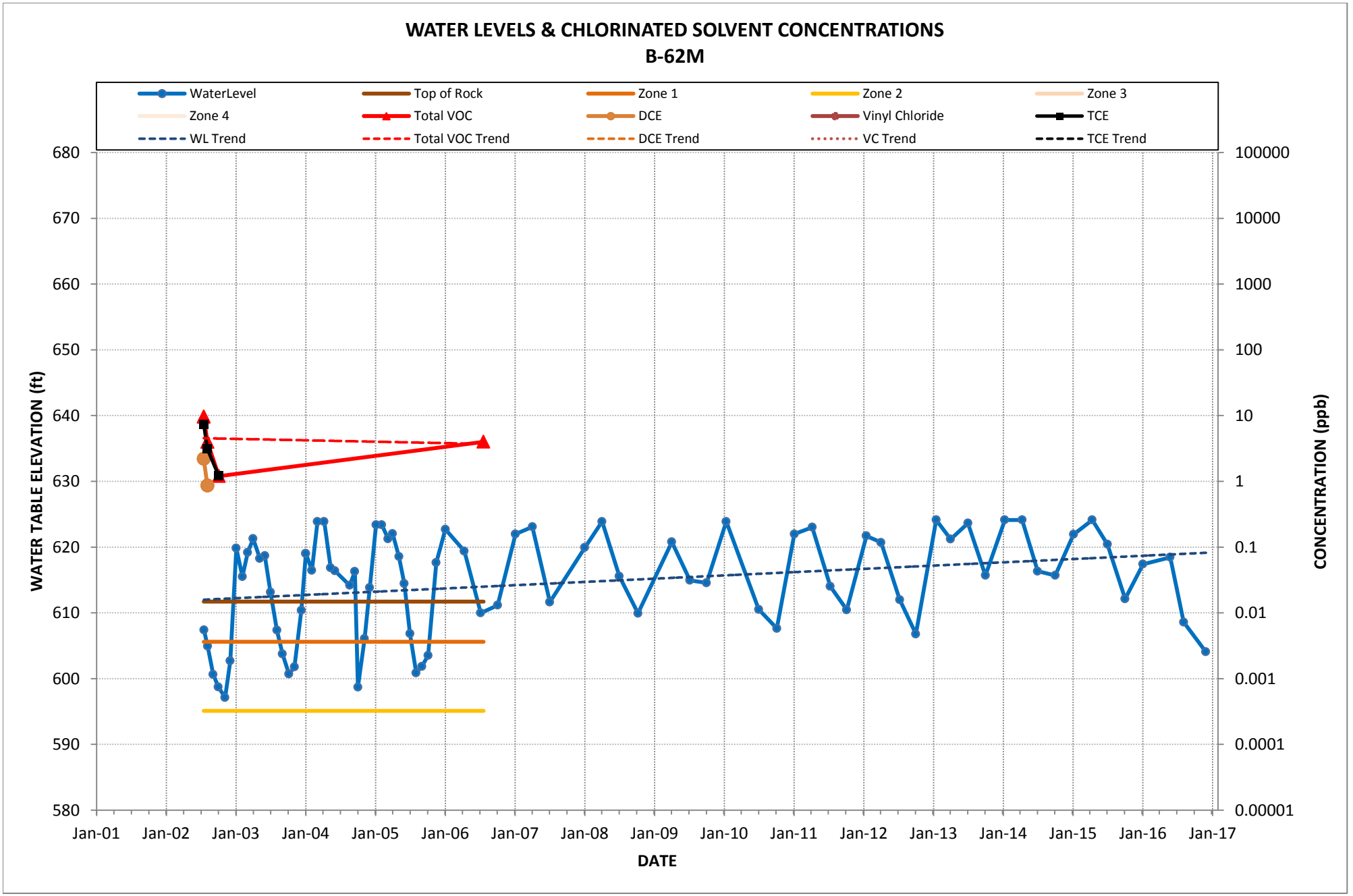

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-57M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
650
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CONCENTRATION (ppb)
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Jan-15
Jan-16
Jan-17
DATE

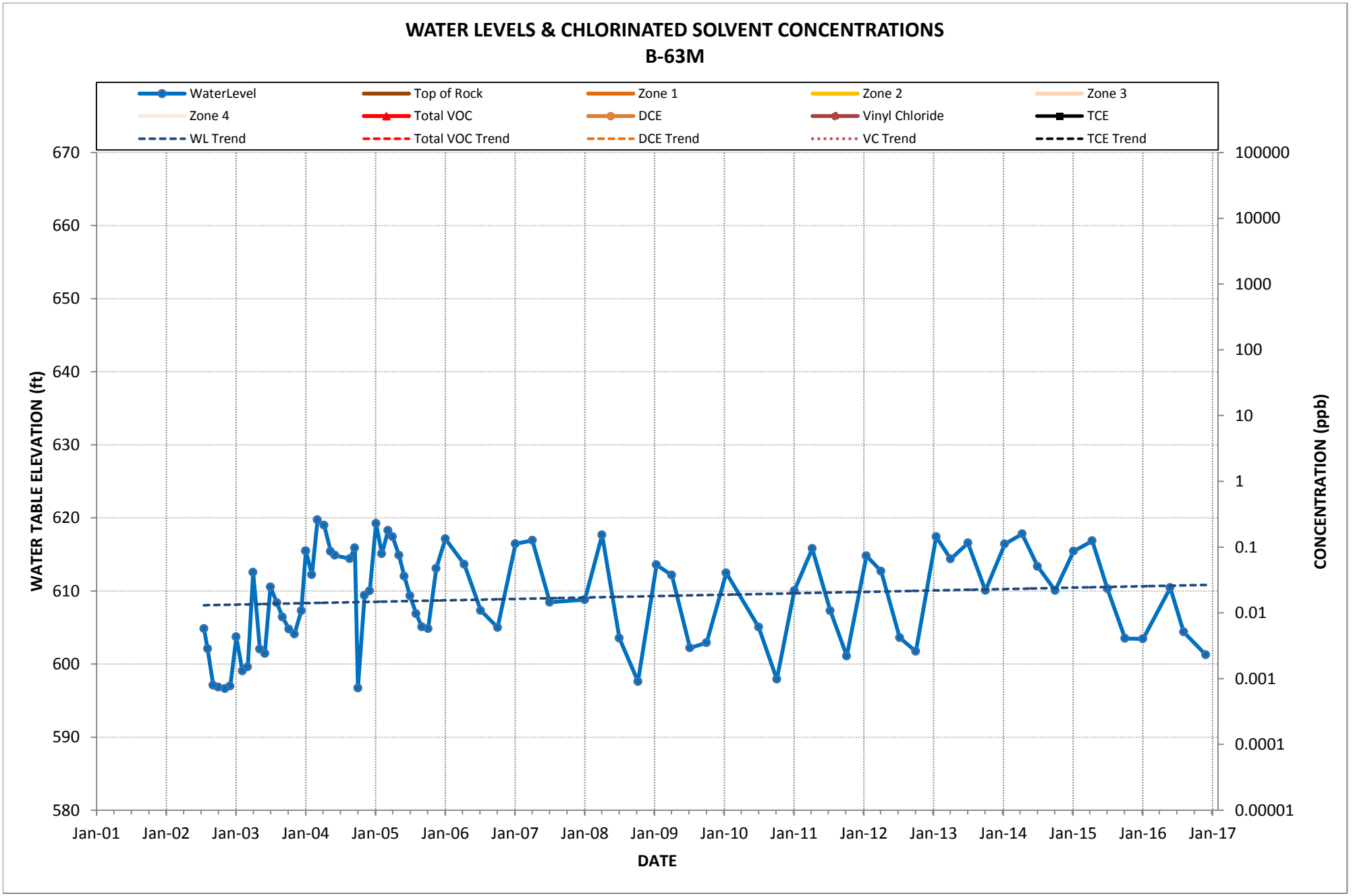

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-58M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
660
650
640
630
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610
600
590
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570
CONCENTRATION (ppb)
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Jan-15
Jan-16
Jan-17
DATE

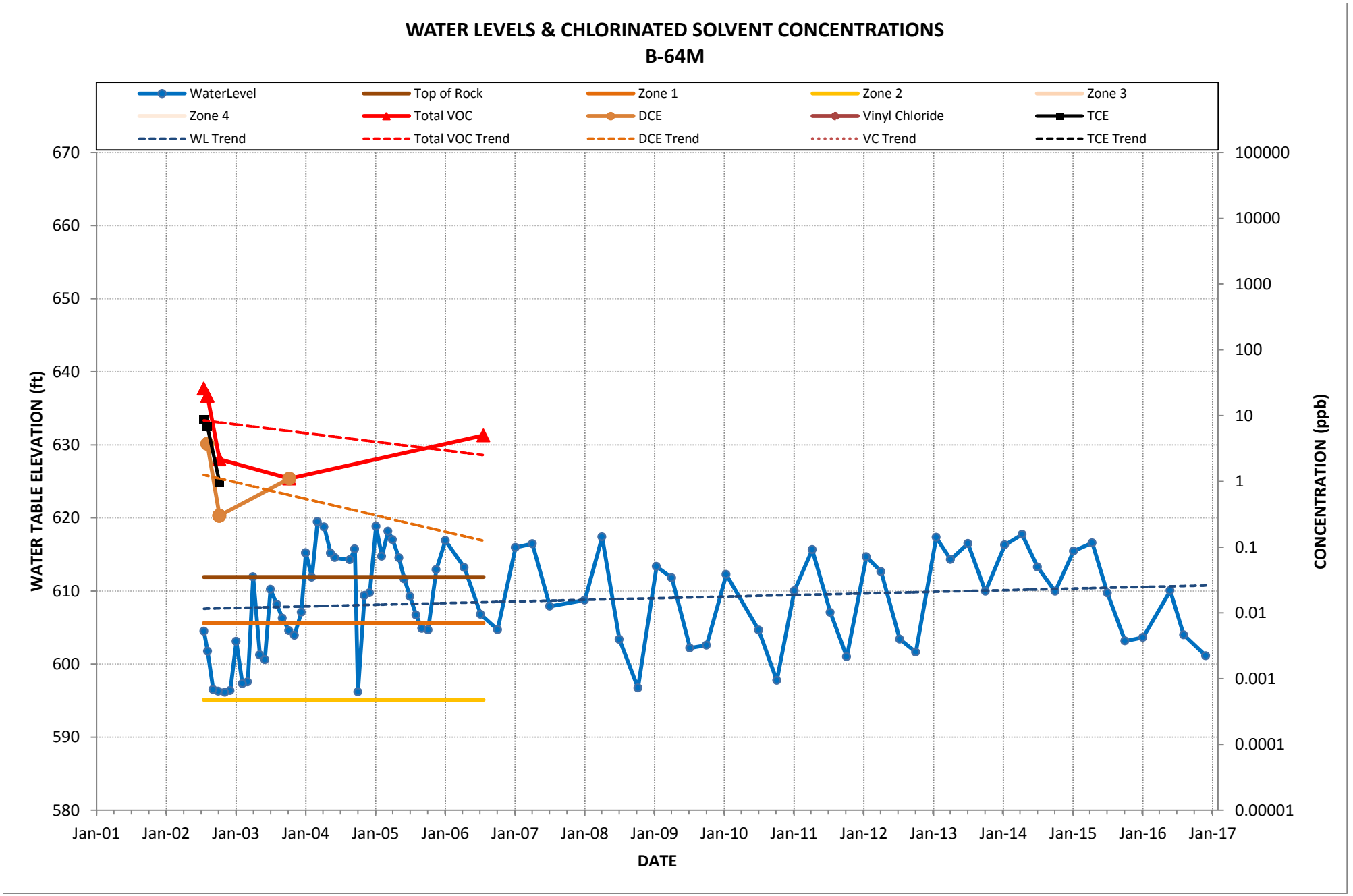

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-59M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
660
650
640
630
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610
600
590
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570
CONCENTRATION (ppb)
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Jan-01
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Jan-17
DATE

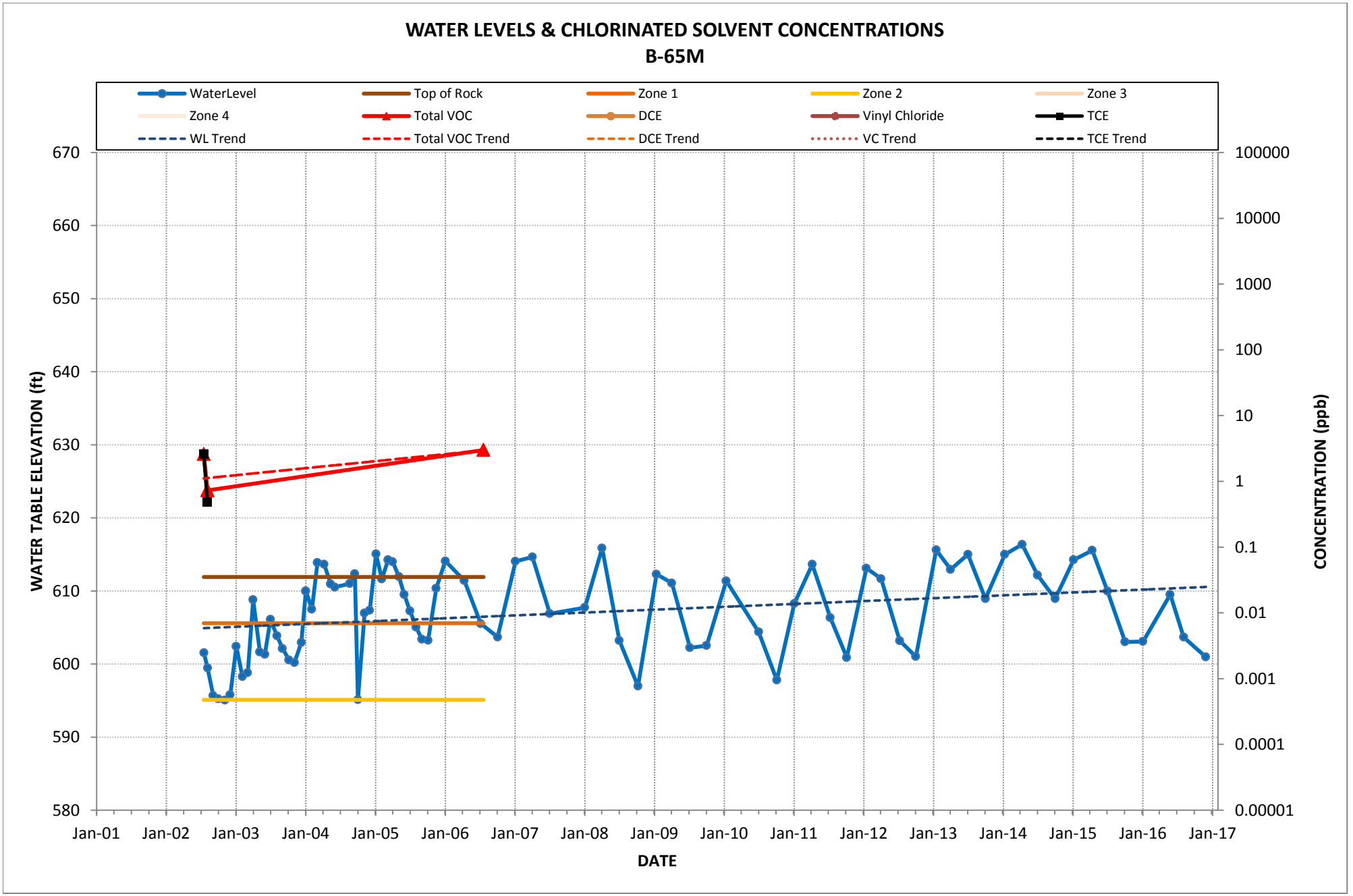

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-60M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
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Jan-17

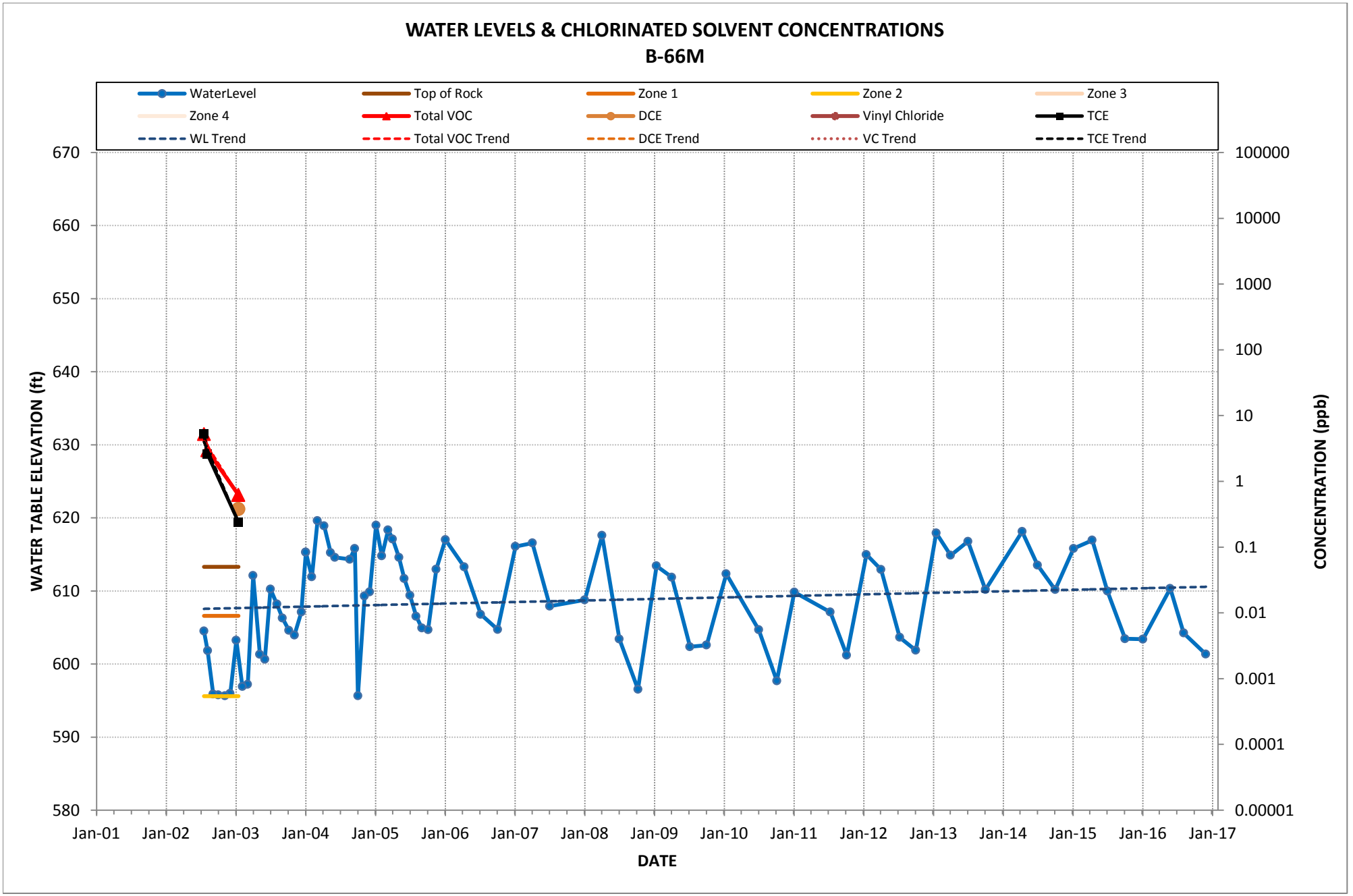

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-61M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
680
670
660
650
640
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100000
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Jan-01
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Jan-16
Jan-17

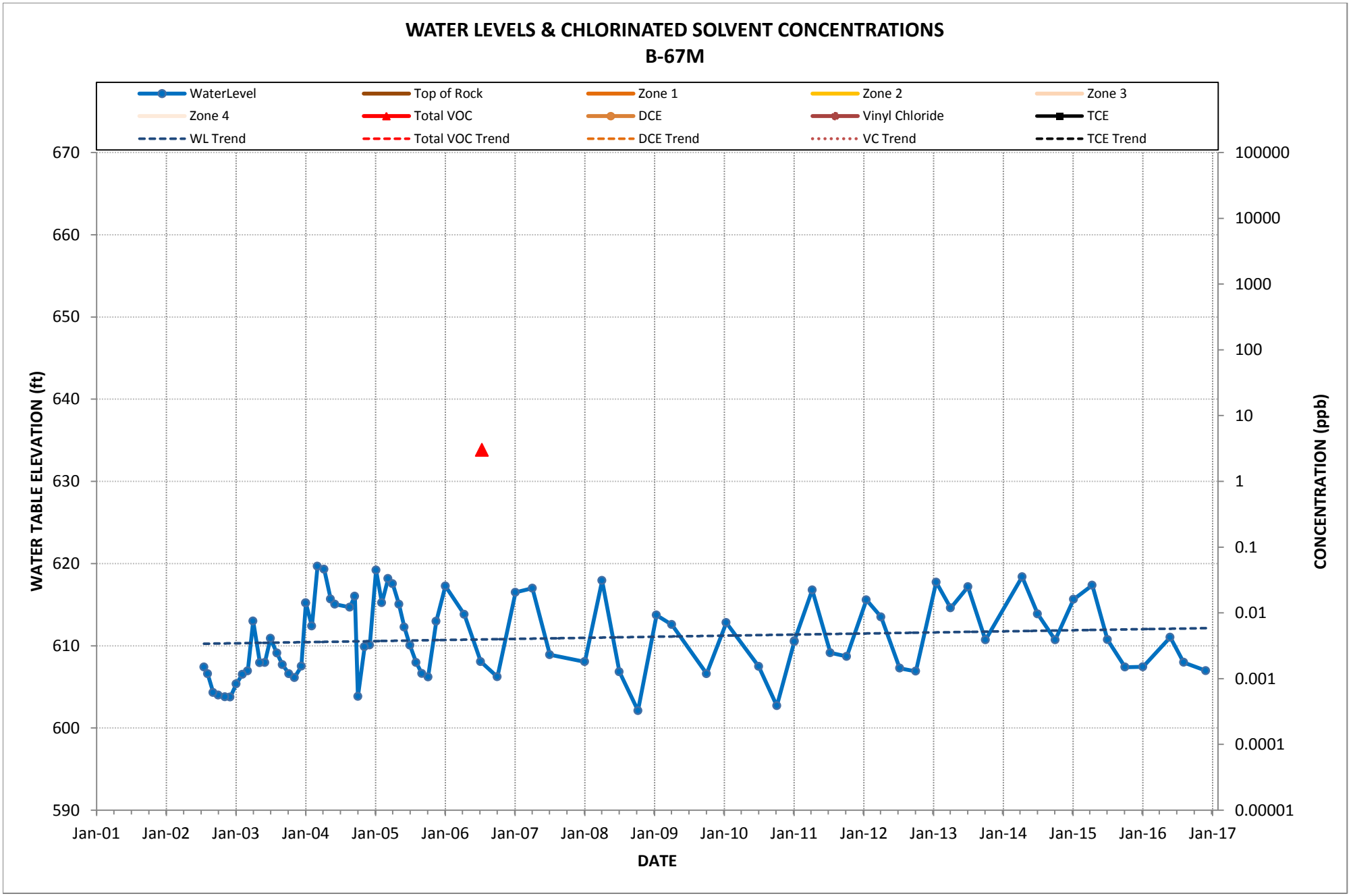

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-62M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
680
670
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640
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Jan-16
Jan-17

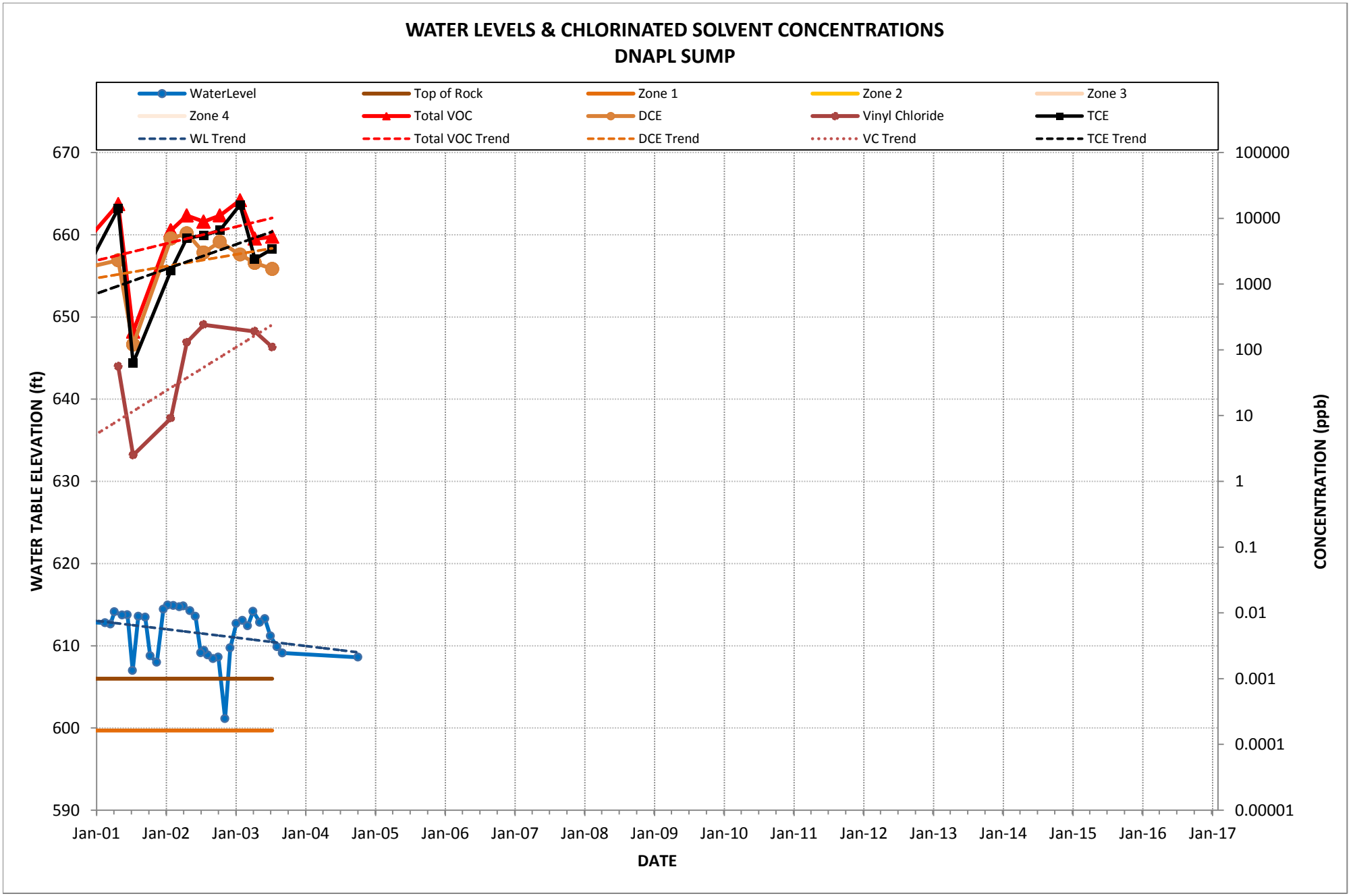

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-63M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
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630
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600
590
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100000
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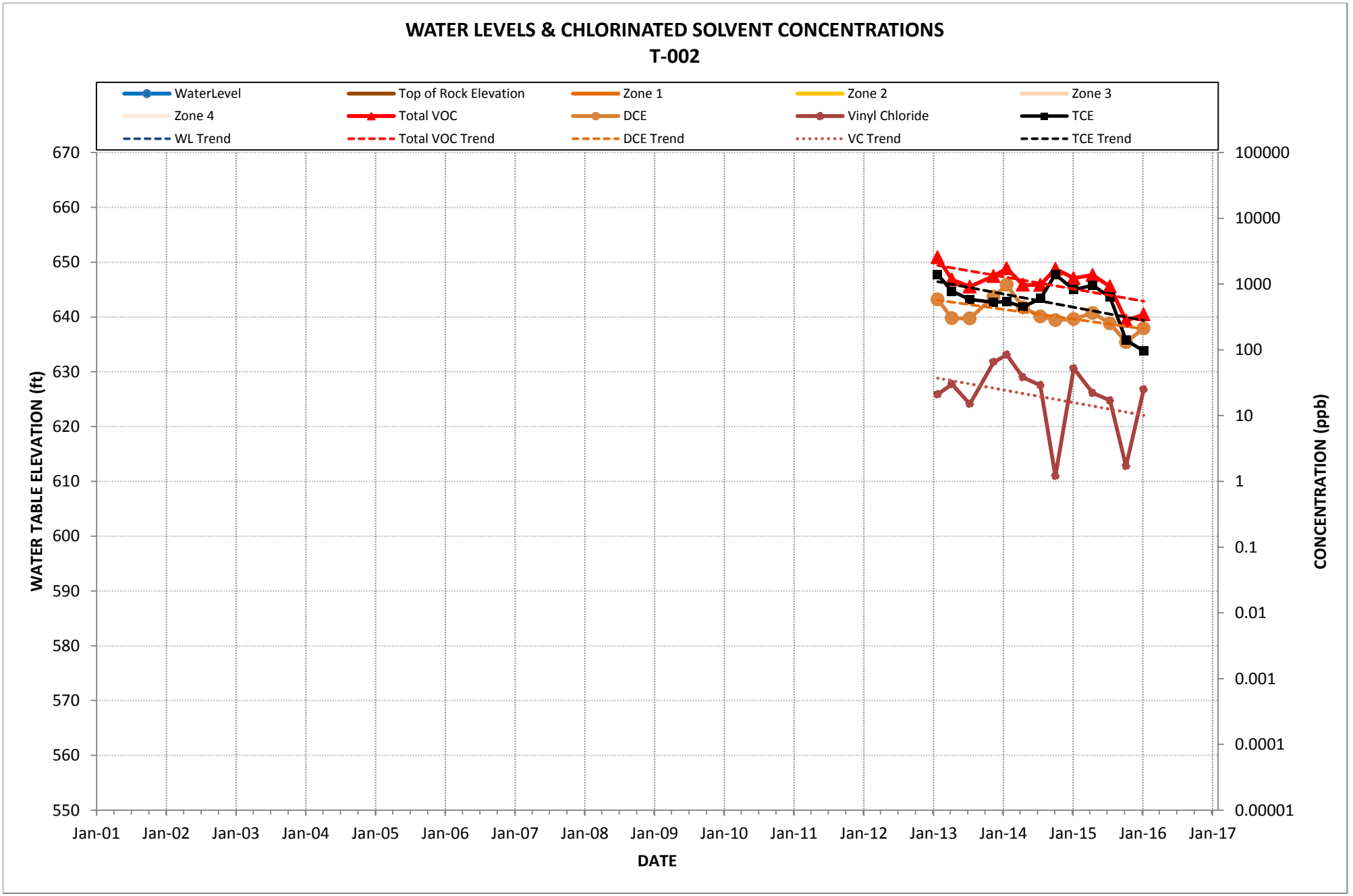

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-64M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
660
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640
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580
CONCENTRATION (ppb)
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DATE

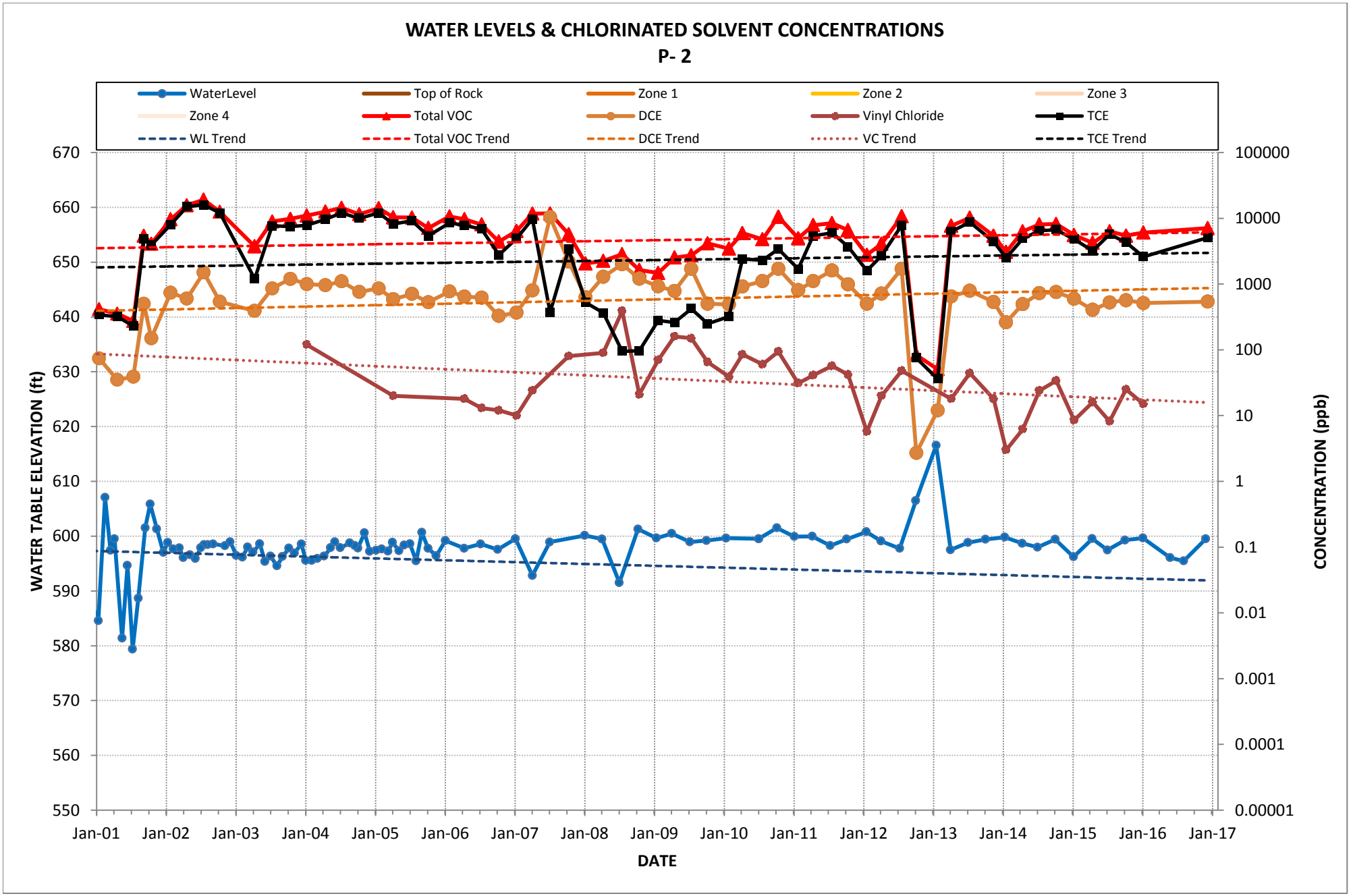

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-65M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
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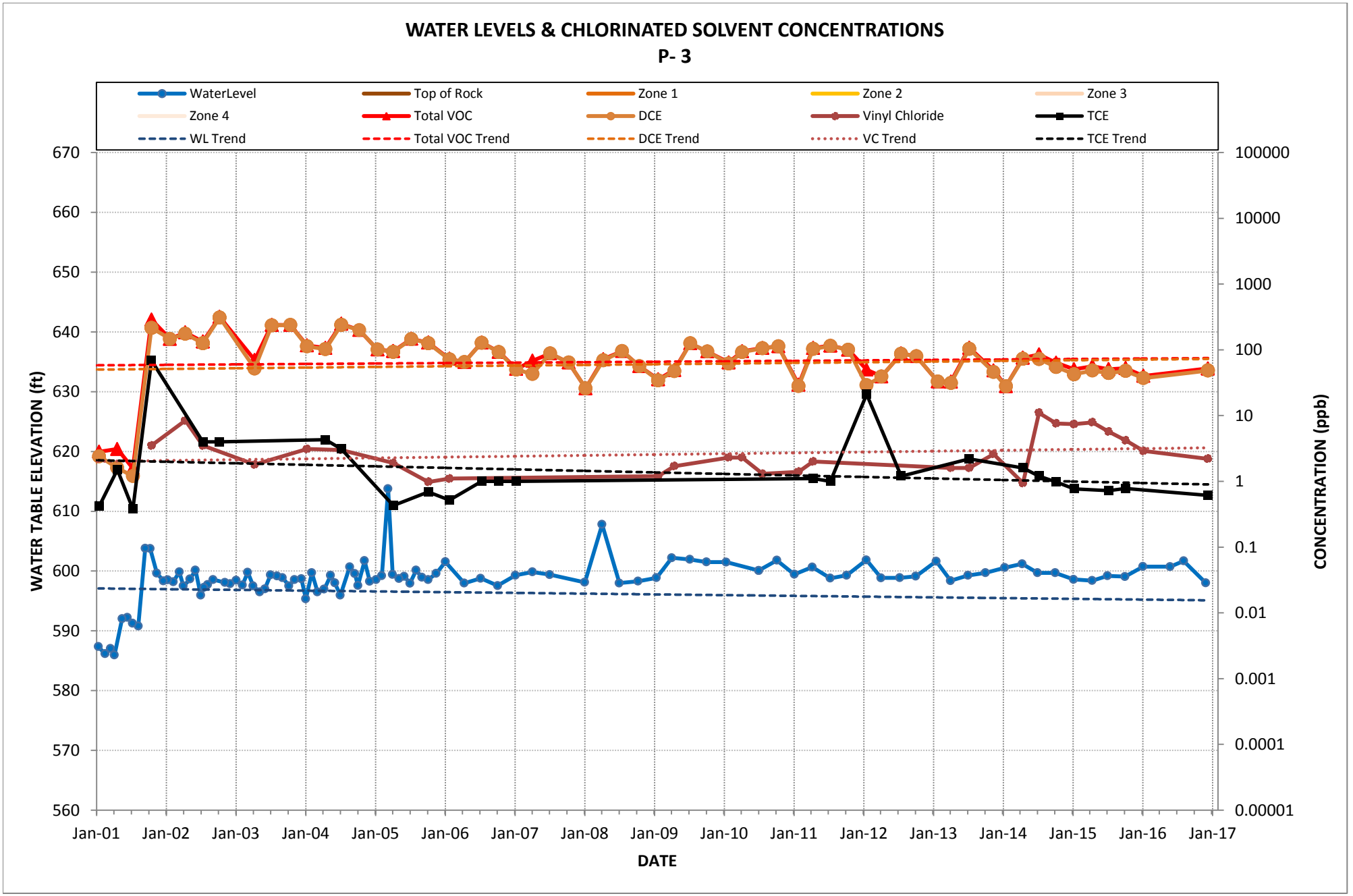

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-66M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
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660
650
640
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620
610
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580
CONCENTRATION (ppb)
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Jan-01
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Jan-17
DATE

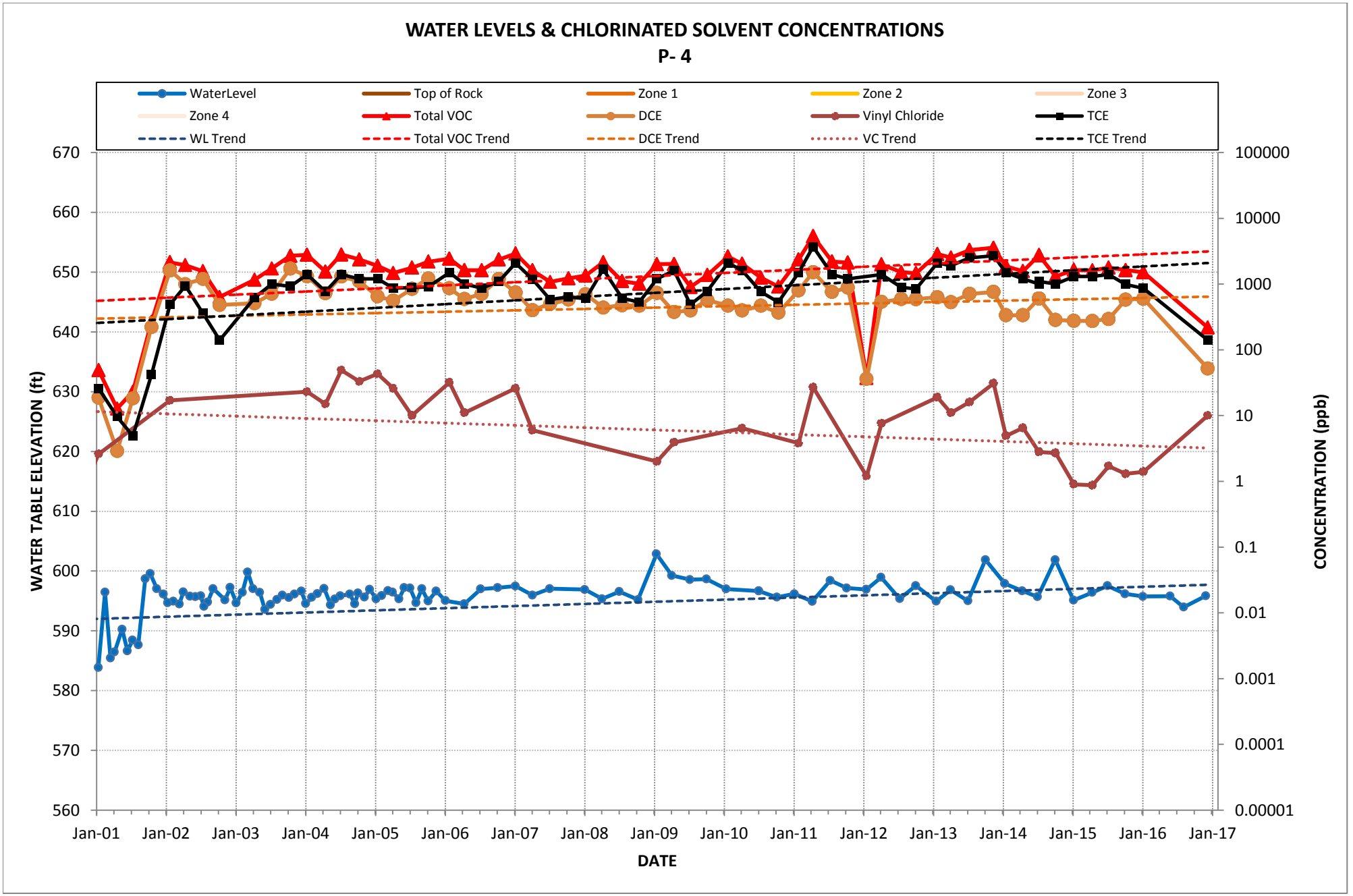

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
B-67M
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
660
650
640
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590
CONCENTRATION (ppb)
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Jan-01
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DATE

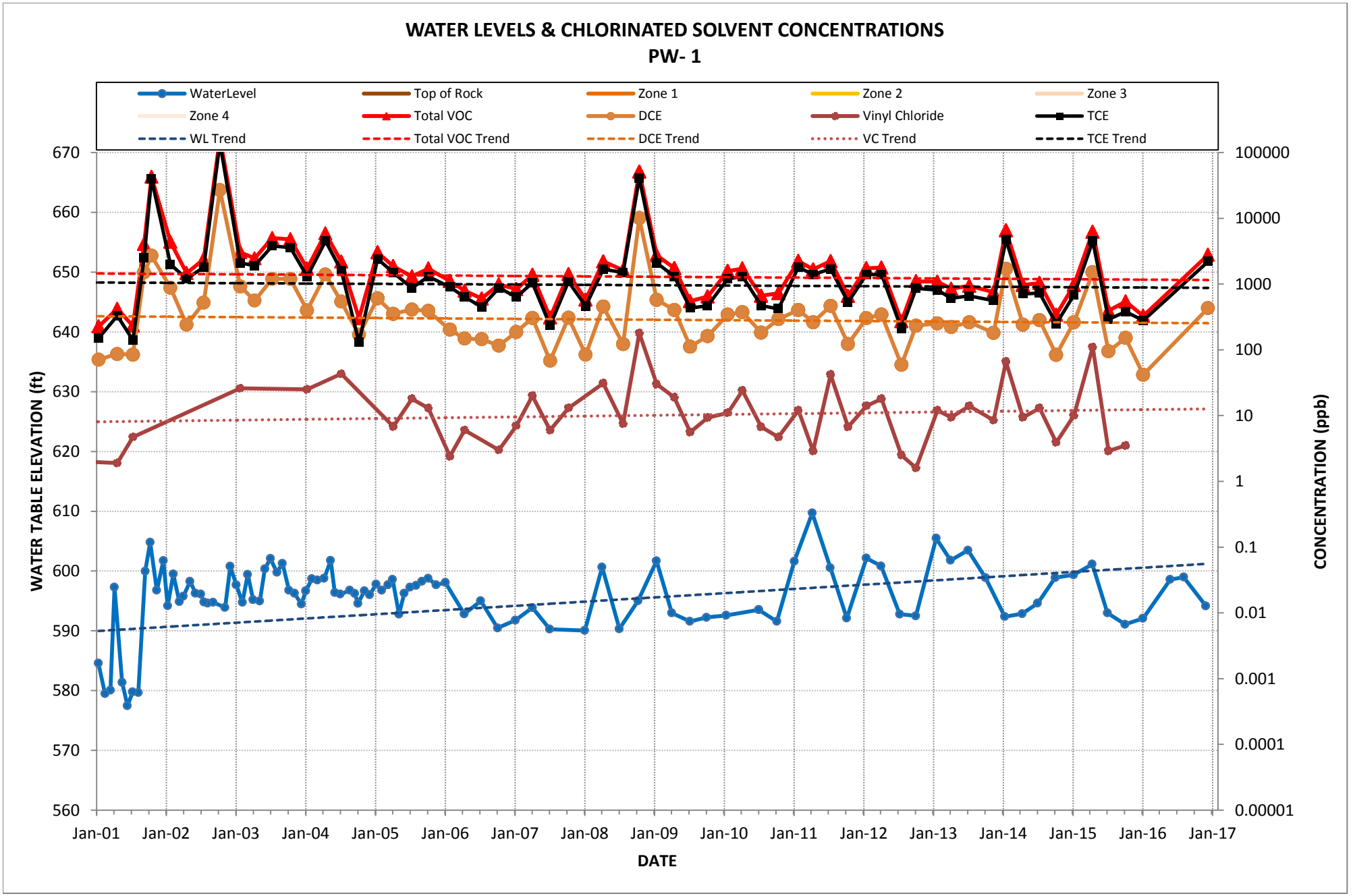

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
DNAPL SUMP
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
660
650
640
630
620
610
600
590
CONCENTRATION (ppb)
100000
10000
1000
100
10
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Jan-15
Jan-16
Jan-17
DATE

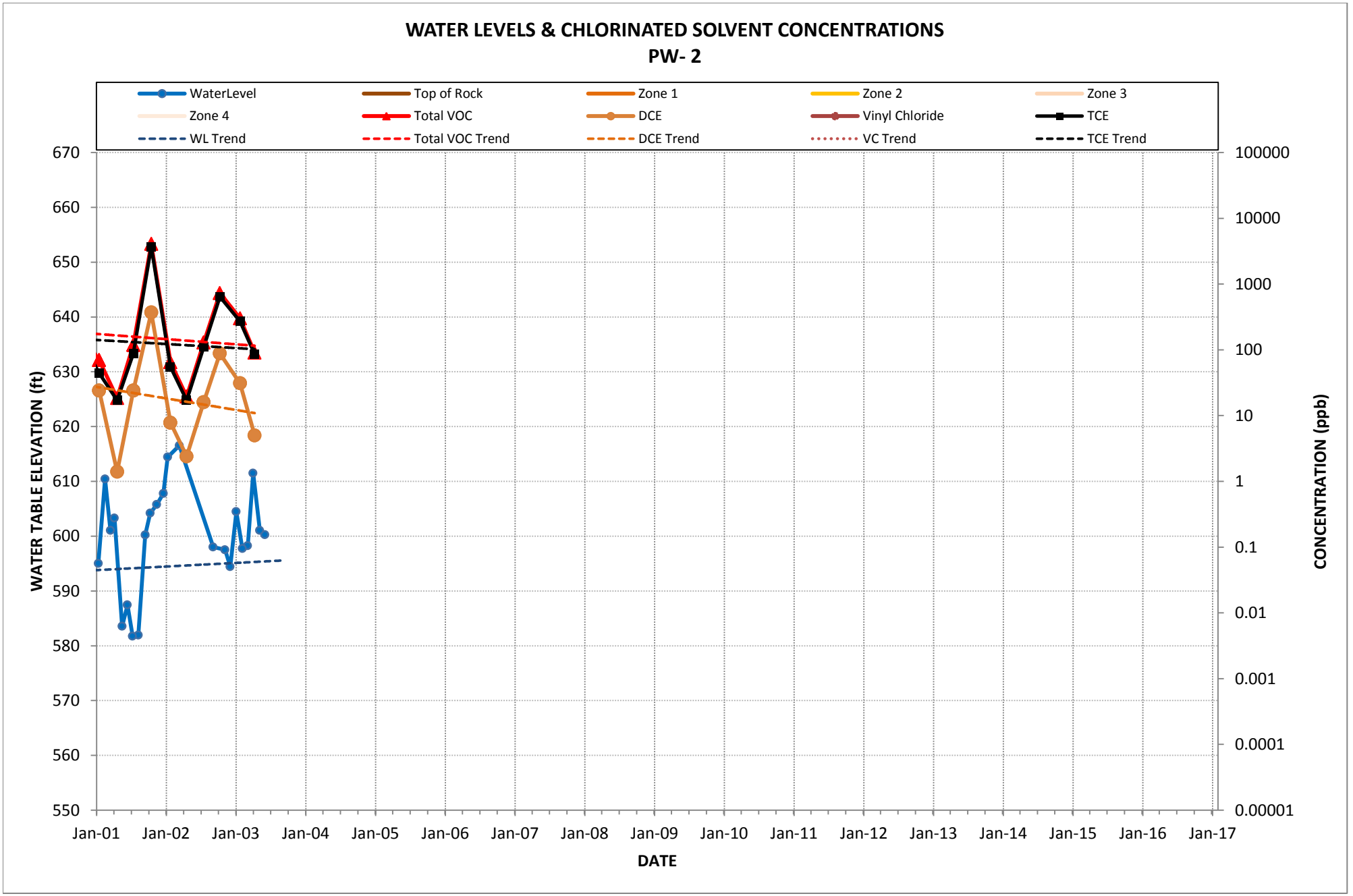

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
T-002
WaterLevel
Top of Rock Elevation
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
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CONCENTRATION (ppb)
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Jan-01
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Jan-16
Jan-17
DATE

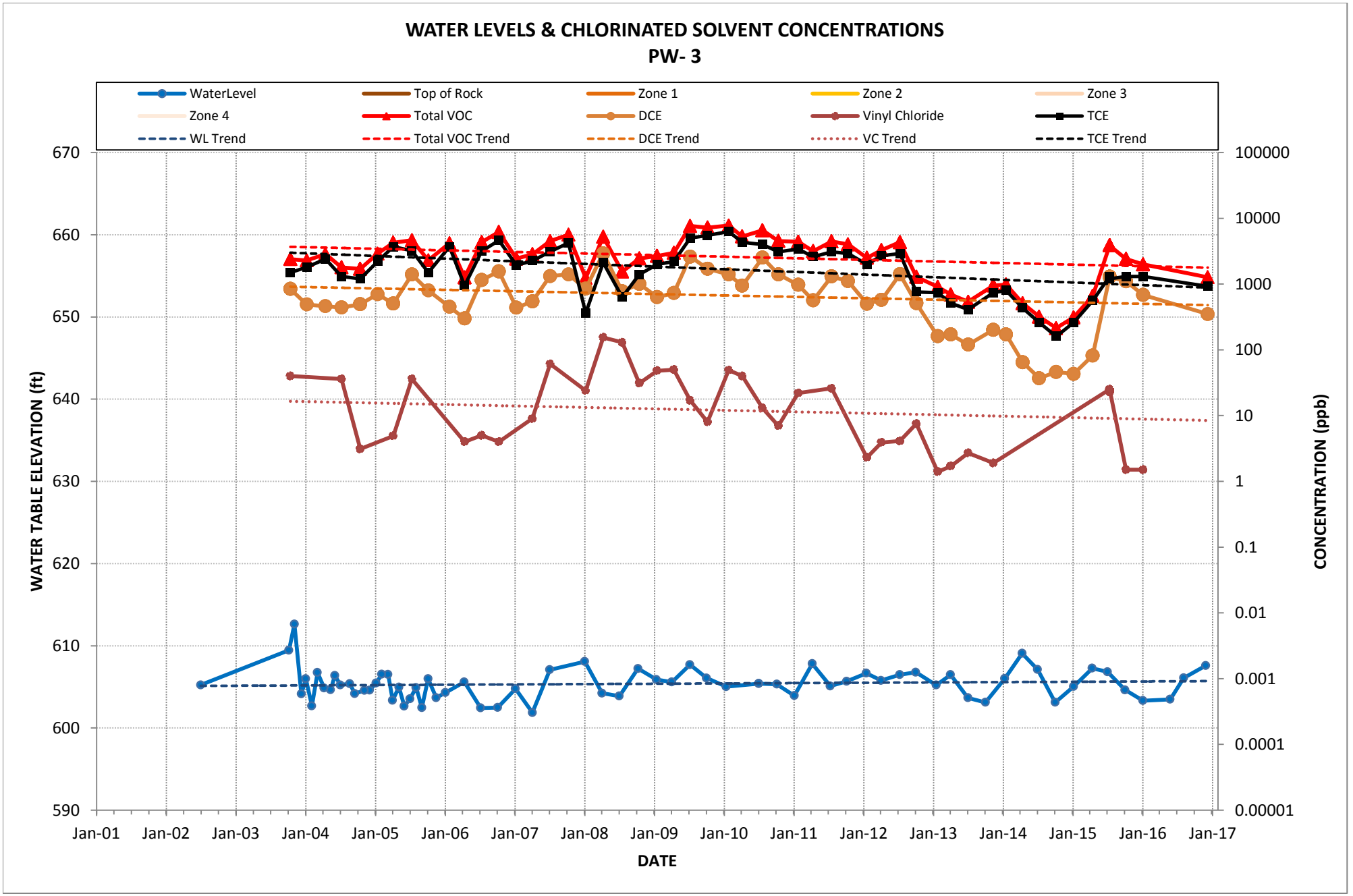

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
P- 2
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
660
650
640
630
620
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600
590
580
570
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100000
10000
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Jan-17

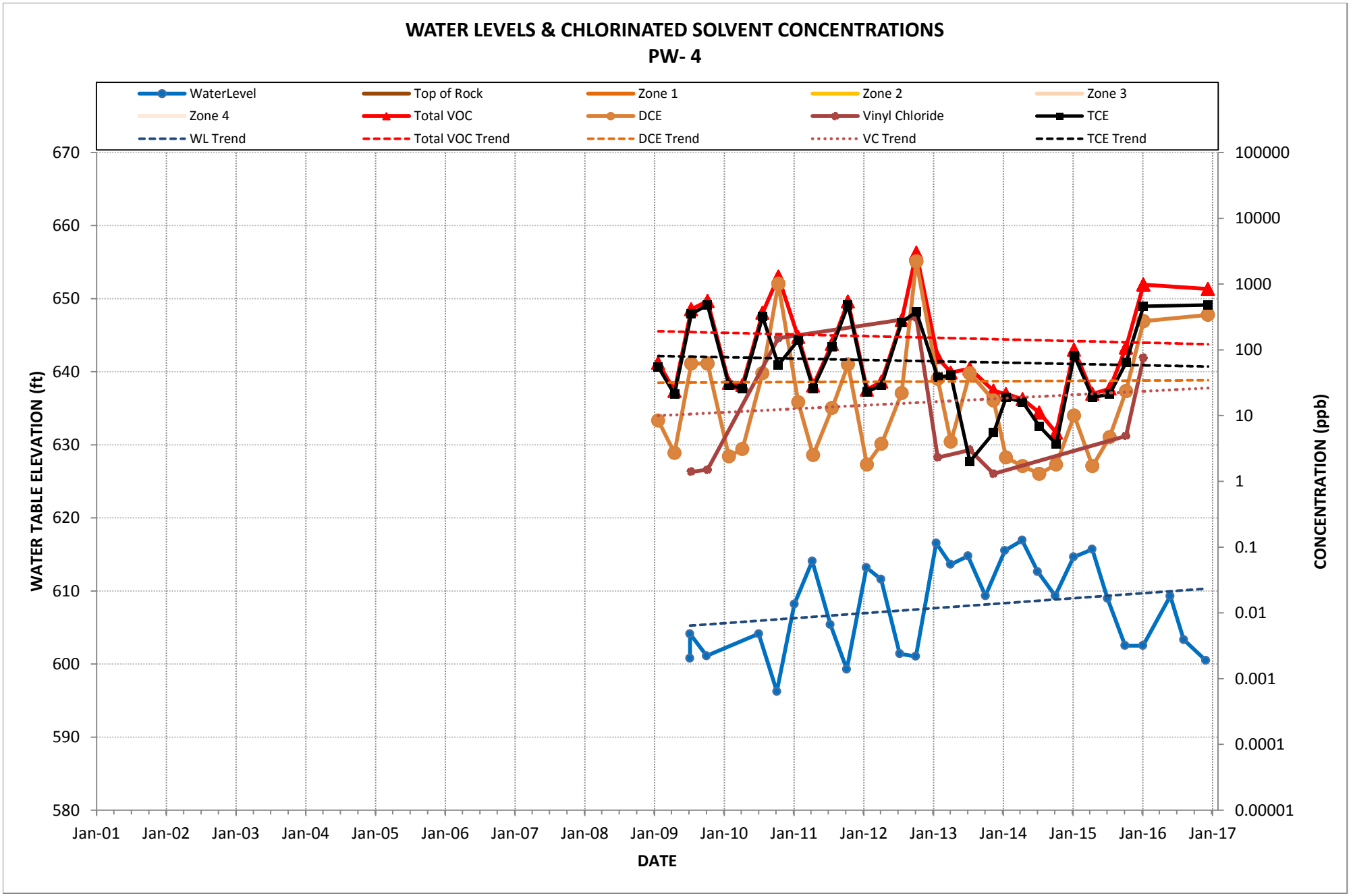

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
P- 3
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
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Jan-17


WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
P- 4
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
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100000
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WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
PW- 1
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
670
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580
570
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100000
10000
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Jan-16
Jan-17


WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
PW- 2
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
670
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CONCENTRATION (ppb)
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Jan-17
DATE


WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
PW- 3
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
CONCENTRATION (ppb)
DATE
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0.1
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0.00001
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Jan-17


WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS
PW- 4
WaterLevel
Top of Rock
Zone 1
Zone 2
Zone 3
Zone 4
Total VOC
DCE
Vinyl Chloride
TCE
WL Trend
Total VOC Trend
DCE Trend
VC Trend
TCE Trend
WATER TABLE ELEVATION (ft)
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580
CONCENTRATION (ppb)
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10000
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Jan-17
DATE

Appendix C

Water Quality Database January 2001 through December 2016

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 3M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	< 5	< 5	8	16	< 5	< 250	< 250	< 160	< 110	< 5	< 79	24
3/1/1985		8260	< 2000	< 1000	< 1000	< 5000	< 1000	< 5	110000	< 3000	24000	< 5	< 2000	134000
5/1/1985		8260	< 500	< 300	< 500	< 1000	< 300	< 5	48000	1110	< 900	< 5	1300	50410
12/1/1985		8260	< 20	< 16	< 8	74	< 28	< 5	13000	160	7800	< 5	490	21524
4/1/1986		8260	< 200	< 100	220	140	< 100	< 5	5200	400	5500	< 5	1400	12860
7/1/1986		8260	< 50	< 50	190	75	< 50	< 5	14000	170	340	< 5	1700	16475
10/1/1986		8260	< 30	< 30	190	140	< 60	< 5	24000	170	4400	< 5	2400	31300
4/1/1987		8260	< 2	< 100	12	19	< 2	< 5	6700	45	260	< 5	270	7306
7/1/1987		8260	< 20	< 200	240	< 40	< 20	< 5	8600	570	3500	< 5	880	13790
10/1/1987		8260	< 20	< 400	78	85	< 10	< 5	12000	230	920	< 5	1900	15213
2/1/1988		8260	< 20	< 500	310	230	< 20	< 5	4100	450	1200	< 5	2600	8890
8/1/1988		8260	< 20	< 20	< 20	< 20	< 20	< 5	9700	< 20	< 20	< 5	1600	11300
11/1/1988		8260	< 1	< 100	70	39	1.5	< 5	1700	87	140	< 5	3200	5237.5
1/1/1989		8260	< 50	< 5	< 35	< 65	< 50	55	15000	< 15	< 200	< 15	1200	16255
4/1/1989		8260	< 1.2	< 0.5	250	220	< 1	75	17000	< 0.3	6800	< 0.3	2400	26745
7/1/1989		8260	< 100	< 50	170	110	< 100	81	17000	170	940	< 30	4000	22471
10/1/1989		8260	< 100	< 50	59	64	< 100	68	8300	< 30	140	< 30	2200	10831
1/1/1990		8260	< 100	< 50	270	250	< 500	150	34000	230	5700	< 30	3500	44100
4/1/1990		8260	< 25	< 13	23	< 25	< 125	< 25	4300	< 7.5	< 25	< 7.5	370	4693
7/1/1990		8260	< 100	< 50	270	540	< 500	290	40000	240	100	< 30	4900	46340
10/1/1990		8260	< 25	< 13	59	< 25	< 25	45	9800	140	< 25	< 7.5	1700	11744
1/1/1991		8260	< 10	< 5	< 7	16	< 50	< 10	2000	36	28	< 3	350	2430
5/1/1991		8260	< 120	< 50	160	< 130	< 250	130	17000	76	860	< 30	2400	20626
7/1/1991		8260	< 120	< 50	410	240	< 250	350	84000	170	360	< 30	12000	97530
10/1/1991		8260	< 240	< 100	< 140	< 260	< 500	< 200	8700	< 60	< 240	< 60	4500	13200
1/1/1992		8260	< 600	< 250	< 350	< 650	< 1250	< 500	11000	< 150	< 600	< 150	4400	15400
4/1/1992		8260	< 600	< 250	< 350	< 350	< 1250	< 500	32000	< 150	< 600	< 150	65000	97000
7/1/1992		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	67000	< 1500	< 1200	< 300	10000	77000
10/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	40000	< 30	170	< 30	6000	46170
1/1/1993		8260	< 120	< 50	120	140	< 250	< 100	23000	63	< 120	< 30	5800	29123
3/29/1993		8260	< 12	< 5	< 7	14	< 25	11	1800	< 5	< 12	< 3	850	2675
5/5/1993		8260	< 12	< 5	81	140	< 25	100	18000	33	< 15	< 3	6200	24554
6/3/1993		8260	< 12	< 5	68	81	29	110	15000	30	42	< 3	12000	27360
6/28/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	6200	51	890	< 30	2300	9441
8/5/1993		8260	< 12	< 5	35	< 13	< 25	30	5500	9.1	< 12	< 3	1100	6674.1
10/6/1993		8260	< 24	21	31	39	91	71	4600	13	31	< 6	1200	6097
7/6/1994		8260	< 1.2	< 0.5	89	44	< 2.5	100	8900	9.9	83	< 0.3	4900	14125.9
6/27/1995		8260	< 2	< 2	< 2	< 2	< 2	4	210	< 2	150	< 2	< 4	364
7/15/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.9	81	< 0.64	19	< 0.79	< 1.8	101.9
7/9/1997		8260	< 12	5.7	< 10	< 7	< 25	< 10	170	< 6.4	49	< 7.9	< 18	224.7
7/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	4.6	92	0.66 J	17	< 0.79	7.3	121.56
7/12/2000	A0483119	8021	< 1.2	< 1	1.6	0.68 J	< 2.5	5.3	180	0.32 J	7.3	< 1	8	203.2
7/13/2001	A1663812	8021	< 1.2	< 1	0.34 J	< 1	< 2.5	1.6	50	< 1	4.1	< 1	2	58.04
7/12/2002	A2713901	8021	< 1.6	< 1.6	2.4	< 1.6	2.2 J	13	360	< 1.6	36	1.8	18	433.4
7/8/2003	A3649103	8021	< 5.8	< 1.8	< 2	< 3.3	7.4	8.5	490	< 3.7	14	< 6.6	5	524.9
7/6/2004	A4636508	8021	< 2.9	< 1	2.6	4.4	< 2.5	7.3	190	< 1	29	< 1	18	251.3
7/14/2005	A5740501	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	3.8	75	< 1	6.7	< 1	7.7	93.2

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 3M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/14/2006	6G14010-08	8260	< 1	< 1	< 1	< 1	< 2	2	41	< 1	3	< 1	4	50
7/9/2007	7G10002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	33	< 1	2	< 1	11	46
7/23/2008	5423254	8260	< 1	< 0.8	1.1 J	1 J	< 2	4.3 J	190	< 0.8	19	< 0.8	14	229.4
7/8/2009	5719621	8260	< 1	< 0.8	1.4 J	1.4 J	< 2	4.5 J	240	< 0.8	16	< 0.8	56	319.3
7/12/2010	6030552	8260	< 1	< 0.8	< 1	1 J	< 2	4.5 J	170	< 0.8	18	< 0.8	24	217.5
7/12/2011	6342650	8260	< 1	< 0.8	2.6 J	1.4 J	< 2	4.1 J	200	1.1 J	54	< 0.8	25	288.2
7/16/2012	6722028	8260	< 1	< 0.8	1.6 J	< 0.8	< 2	3.1 J	200	< 0.8	26	< 0.8	21	251.7
7/8/2013	7120727	8260	< 1	< 0.8	1.7 J	1.2 J	< 2	2.8 J	160	1.1 J	100	< 0.8	22	288.8
7/8/2014	7526285	8260	< 0.5	< 0.5	2.2	0.57 J	< 2	2	110	0.52 J	66	< 0.5	20	201.29
7/8/2015	7960005	SW8260C	< 0.5	< 0.5	0.59 J	0.57 J	< 2	2.5	80	< 0.5	31	< 0.5	9.3	123.96
12/12/2016	240-73361-6	8260C	< 1.7	< 1.7	0.72 J	< 1.7	2	0.65 J	44	< 1.7	7.1	< 1.7	36	90.47

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 4M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	< 5	8	< 5	< 5	< 5	< 5	10	< 5	14	< 5	< 5	32
3/1/1985		8260	< 50	< 50	< 50	< 200	< 50	< 5	4500	< 80	670	< 5	< 70	5170
5/1/1985		8260	< 20	< 10	< 20	< 50	< 30	< 5	340	< 30	180	< 5	< 70	520
12/1/1985		8260	< 2.8	< 1.6	6.6	4.2	5.6	< 5	1100	< 3.8	560	< 5	17	1693.4
4/1/1986		8260	< 20	< 10	< 20	< 20	15	< 5	3000	18	990	< 5	39	4062
7/1/1986		8260	< 2	< 2	6.2	< 2	< 2	< 5	390	< 2	73	< 5	18	487.2
10/1/1986		8260	< 10	< 50	< 10	< 20	< 20	< 5	650	< 70	170	< 5	< 30	820
4/1/1987		8260	< 1	< 1	5.7	6.9	< 1	< 5	1400	1.3	580	< 5	75	2068.9
7/1/1987		8260	< 1	< 30	1.7	< 2	< 1	< 5	700	< 1	21	< 5	5.6	728.3
10/1/1987		8260	< 1	< 5	4.2	< 1	< 1	< 5	550	< 1	48	< 5	11	613.2
2/1/1988		8260	< 1	< 20	7.6	2.9	< 1	< 5	1300	< 1	410	< 5	29	1749.5
8/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 5	360	< 1	4	< 5	< 2	364
11/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 5	95	< 1	21	< 5	< 1	116
1/1/1989		8260	< 0.1	< 5	2.5	1.3	0.3	8.6	200	< 0.03	57	< 0.03	37	306.7
4/1/1989		8260	< 0.1	< 0.05	7.3	7.5	< 0.1	14	450	< 0.03	220	< 0.03	49	747.8
7/1/1989		8260	< 1.2	< 0.5	4.1	3.4	< 2.5	7.6	380	< 0.3	120	< 0.3	54	569.1
10/1/1989		8260	< 1	< 0.5	< 0.7	3.9	< 1	10	410	8.8	12	< 0.3	18	462.7
1/1/1990		8260	< 10	< 5	5.3	< 10	< 50	18	440	< 3	130	< 3	51	644.3
4/1/1990		8260	< 1	< 0.5	3.5	< 1	< 5	7.9	570	< 0.3	130	< 0.3	26	737.4
7/1/1990		8260	< 1	< 0.5	0.8	< 1	< 5	3.2	180	< 0.3	13	< 0.3	8.6	205.6
10/1/1990		8260	< 1	< 0.5	5.1	1.8	< 1	12	37	< 0.3	51	< 0.3	25	131.9
1/1/1991		8260	< 10	< 5	< 7	< 10	< 50	< 10	870	34	120	< 3	47	1071
5/1/1991		8260	< 24	< 10	< 14	< 26	< 50	< 20	880	< 6	200	< 6	< 36	1080
7/1/1991		8260	< 24	< 10	< 14	< 26	< 50	< 20	280	< 6	< 24	< 6	< 36	280
10/1/1991		8260	< 60	< 25	< 35	< 65	< 130	< 50	190	< 15	< 60	< 60	< 90	190
1/1/1992		8260	< 24	< 10	< 14	< 26	< 50	< 20	260	< 6	< 24	< 6	< 36	260
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	2100	< 300	380	< 30	< 180	2480
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	1800	< 200	260	< 30	< 180	2060
10/1/1992		8260	< 12	< 5	14	< 13	< 25	19	2900	72	490	< 3	210	3705
1/1/1993		8260	< 12	< 5	11	< 13	< 25	17	1800	< 3	300	< 3	120	2248
3/30/1993		8260	< 12	< 5	< 7	14	< 25	11	1800	< 5	< 12	< 3	850	2675
6/3/1993		8260	< 1.2	< 0.5	4.5	2.1	< 2.5	13	350	< 0.5	22	< 0.3	58	449.6
6/28/1993		8260	< 1.2	< 0.5	3.3	< 1.3	< 2.5	< 5.3	330	< 0.5	21	< 0.3	5.3	359.6
8/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.7	93	< 0.5	7.5	< 0.3	3.5	105.7
10/7/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 10	100	< 0.5	9	< 0.3	2.5	111.5
7/7/1994		8260	< 1.2	< 0.5	1.4	< 1.3	< 2.5	4.9	200	< 0.5	22	< 0.3	2.2	230.5
6/27/1995		8260	< 1	4.2	< 1	< 1	< 1	3.3	120	< 1	14	< 1	< 2	141.5
7/15/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	310	< 6.4	38	< 7.9	< 18	348
7/9/1997		8260	< 12	7.8	< 10	< 7	< 25	< 10	150	< 6.4	27	< 7.9	< 18	184.8
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	4.8	130	< 0.64	29	< 0.79	2.5	166.3
7/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.1	42	< 0.64	5.8	< 0.79	< 1.8	48.9
7/11/2000	A0483110	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.3	60	< 1	3.9	< 1	1.1 J	66.3
7/13/2001	A1663816	8021	< 1.2	< 1	< 1	< 1	0.58 J	1.6	61	< 1	5.5	< 1	1.5 J	70.18
7/12/2002	A2713906	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.5	47	< 1	5	< 1	5.6	59.1
7/8/2003	A3649109	8021	< 1.2	< 1	< 1	< 1	< 2.5	2.3	67	< 1	7.8	< 1	6.4	83.5
7/6/2004	A4636506	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.9	38	< 1	8.2	< 1	10	58.1
7/14/2005	A5740502	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.8	36	< 1	5.4	< 1	12	55.2

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 4M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/14/2006	6G14010-07	8260	< 1	< 1	< 1	< 1	< 2	2	28	< 1	5	< 1	20	55
7/9/2007	7G10002-02	8260	< 1	< 1	< 1	< 1	< 2	1	24	< 1	4	< 1	22	51
7/23/2008	5423255	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.8 J	41	< 0.8	5.1	< 0.8	12	59.9
7/9/2009	5720682	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	20	< 0.8	1.8 J	< 0.8	5.1	26.9
7/12/2010	6030548	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	35	< 0.8	250	< 0.8	1.8 J	287.9
4/12/2011	6256727	8260	< 1	< 0.8	1.6 J	0.95 J	< 2	5.6	120	< 0.8	29	< 0.8	9.7	166.85
7/13/2011	6343981	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.2 J	59	< 0.8	7.1	< 0.8	11	79.3
7/17/2012	6723837	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	41	< 0.8	4.9 J	< 0.8	7.9	55.4
7/8/2013	7120735	8260	< 1	< 0.8	1.3 J	0.81 J	< 2	5	89	< 0.8	28	< 0.8	10	134.11
7/8/2014	7526297	8260	< 0.5	< 0.5	0.91 J	0.8 J	< 2	4.1	58	< 0.5	22	< 0.5	9.7	95.51
7/8/2015	7960010	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1.1	34	< 0.5	4.7	< 0.5	8	47.8

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 5M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	< 5	< 5	< 5	< 5	< 5	< 5	69	< 5	270	< 5	8	347
3/1/1985		8260	< 5	< 5	< 5	< 10	< 5	< 5	53	< 5	14	< 5	< 5	67
5/1/1985		8260	< 4	< 2	< 4	< 10	< 2	< 5	19	< 6	7.9	< 5	< 5	26.9
12/1/1985		8260	< 2.8	< 1.6	< 4.7	< 3.8	8.4	< 5	31	< 3.8	30	< 5	10	79.4
4/1/1986		8260	< 0.4	< 0.2	0.7	< 0.4	< 0.2	< 5	20	< 0.4	5.4	< 5	1	27.1
1/1/1987		8260	< 0.2	< 0.4	0.3	< 0.2	< 0.2	< 5	35	< 0.2	20	< 5	3.7	59
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	13	< 0.2	7.3	< 5	< 0.2	20.3
7/1/1987		8260	< 0.2	< 0.6	< 0.4	< 0.4	< 0.2	< 5	27	< 0.2	8.3	< 5	1.2	36.5
10/1/1987		8260	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 5	28	< 0.2	9.4	< 5	2.1	39.5
2/1/1988		8260	< 0.2	< 1	0.6	< 0.4	< 0.2	< 5	39	< 0.2	33	< 5	3.5	76.1
8/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 5	24	< 1	28	< 5	< 2	52
11/1/1988		8260	< 0.2	< 0.2	0.9	< 0.2	< 1	< 5	23	< 0.2	38	< 5	2.6	64.5
1/1/1989		8260	< 0.2	< 5	0.2	< 0.1	< 0.1	0.3	11	0.8	9.2	< 0.03	3.2	24.7
4/1/1989		8260	< 0.1	< 0.05	1.6	0.5	< 0.1	0.4	15	< 0.03	140	< 0.03	1.8	159.3
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6.2	< 0.3	77	< 0.3	< 1.8	83.2
10/1/1989		8260	< 1	< 0.5	1.5	< 1	< 1	< 1	15	4.3	130	< 0.3	3.1	153.9
1/1/1990		8260	< 1	< 0.5	3.3	< 1	< 5	< 1	31	9.6	410	< 0.3	1.9	455.8
4/1/1990		8260	< 1	< 0.5	3	< 1	< 5	< 1	14	4.6	150	< 0.3	< 1	171.6
7/1/1990		8260	< 1	< 0.5	1	< 1	< 5	< 1	15	4.2	160	< 0.3	< 1	180.2
10/1/1990		8260	< 1	< 0.5	1.8	12	< 1	< 1	14	0.4	130	< 0.3	< 1	158.2
2/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	25	5	370	< 0.3	< 1	400
5/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	14	< 3	290	< 3	< 18	304
7/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	220	< 3	< 18	220
10/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	21	< 1.5	240	< 1.5	< 9	261
1/1/1992		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	59	< 1.5	200	< 1.5	< 9	259
4/1/1992		8260	< 6	< 2.5	< 3.5	< 6.5	< 7.5	< 5	18	< 1.5	380	< 1.5	< 9	398
7/1/1992		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	< 5	< 1.5	310	< 1.5	< 9	310
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	15	1.2	240	< 0.3	< 1.8	256.2
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	13	0.81 *	210	< 0.3	< 1.8	223.81
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	25	1.5	170	< 3	2.2	198.7
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	23	0.69	130	< 0.3	2.9	156.59
10/7/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	11	0.69	52	< 0.3	< 1.8	63.69
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	9.7	< 0.5	41	< 0.3	< 1.8	50.7
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	11	< 1	25	< 1	< 2	36
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	23	< 0.64	37	< 0.79	< 1.8	60
7/9/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.2	33	< 0.64	46	< 0.79	< 1.8	80.2
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	38	< 0.64	25	< 0.79	< 1.8	63
7/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.6	28	< 0.64	33	< 0.79	< 1.8	62.6
7/11/2000	A0483109	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.23 J	17	< 1	12	< 1	0.34 J	29.57
7/13/2001	A1663817	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.47 J	18	< 1	20	< 1	< 1.8	38.47
7/15/2002	A2723102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.8	< 1	9.5	< 1	< 1.8	13.3
7/10/2003	A3654101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.5	< 1	13	< 1	< 1.8	17.5
7/7/2004	A4636503	8021	< 1.4	< 1	< 1	< 1	< 2.5	1.1	16	< 1	72	< 1	< 1.8	89.1
7/12/2005	A5733201	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.8	< 1	12	< 1	< 1.8	15.8
7/18/2006	6G19003-09	8260	< 1	< 1	< 1	< 1	6 B	< 1	9	< 1	36	< 1	< 2	51
7/9/2007	7G10002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	6	< 1	< 2	8
7/23/2008	5423256	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	54	< 0.8	290	< 0.8	3 J	348.5

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B - The analyte is present in the associated method blank.
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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 5M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/13/2009	5722293	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	20	< 0.8	82	< 0.8	< 1	103
7/12/2010	6030549	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	33	< 0.8	3.9 J	< 0.8	17	55.2
7/25/2011	6355555	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	22	< 0.8	150	< 0.8	1.3 J	174.4
7/16/2012	6722026	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	33	< 0.8	260	< 0.8	1.8 J	296.1
7/9/2013	7122572	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	25	< 0.8	< 1	28.4
7/8/2014	7526295	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1	16	< 0.5	93	< 0.5	1.7	111.7
7/8/2015	7960012	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	4.2	< 0.5	29	< 0.5	< 0.5	33.2

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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D - Result reported from a secondary dilution analysis.
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J - Indicates an estimated value.
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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 6M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	< 5	14	< 5	< 5	2	< 5	< 5	< 5	2	< 5	< 5	18
3/1/1985		8260	< 5	< 5	< 5	< 10	< 5	< 5	41	< 5	41	< 5	< 5	82
5/1/1985		8260	< 2	< 1	< 2	< 5	< 1	< 5	9.4	< 3	31	< 5	< 2	40.4
12/1/1985		8260	< 2.8	< 1.6	< 4.7	< 2.8	7.6	< 5	17	< 3.8	49	< 5	< 10	73.6
4/1/1986		8260	< 0.4	< 0.2	< 0.4	< 0.4	< 0.2	< 5	12	0.2	38	< 5	0.8	51
7/1/1986		8260	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 5	8.4	< 0.4	25	< 5	1.4	34.8
10/1/1986		8260	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 5	23	< 0.4	97	< 5	3.6	123.6
1/1/1987		8260	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 5	32	< 0.2	86	< 5	3.2	121.2
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	1.8	< 0.2	2.8	< 5	< 0.2	4.6
7/1/1987		8260	< 0.2	< 0.6	< 0.4	< 0.4	< 0.2	< 5	25	< 0.2	50	< 5	1.4	76.4
10/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	3.1	< 0.2	7.9	< 5	< 0.4	11
2/1/1988		8260	< 0.2	< 0.8	< 0.2	< 0.4	< 0.2	< 5	43	< 0.2	180	< 5	3.9	226.9
8/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	25	< 0.2	120	< 5	5	150
11/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 5	64	< 0.2	120	< 5	2.6	186.6
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	0.6	11	< 0.03	99	< 0.03	5.3	115.9
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	2	< 0.03	15	< 0.03	< 0.2	17
7/1/1989		8260	< 1.2	0.7	< 0.7	< 1.3	< 2.5	< 1	1.7	< 0.3	18	< 0.3	6.6	27
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	4.3	< 0.3	40	< 0.3	1.2	45.5
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	24	< 0.3	260	< 0.3	7.1	291.1
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	9.1	< 0.3	88	< 0.3	< 1	97.1
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	11	< 0.3	140	< 0.3	4.6	155.6
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	9.7	24	120	< 0.3	4.7	158.4
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	23	2	350	< 0.3	7.1	382.1
5/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	16	< 3	140	< 3	< 18	156
7/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	160	< 3	< 18	160
10/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	93	2.5	290	< 1.5	< 9	385.5
1/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	110	< 3	< 18	110
4/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	19	< 3	200	< 3	< 18	219
7/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 20	130	< 3	< 18	130
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	8.2	< 0.3	130	< 0.3	< 1.8	138.2
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	12	< 0.3	160	< 0.3	< 1.8	172
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	13	< 0.5	120	< 0.3	2.1	135.1
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	19	0.6	130	< 0.3	3.1	152.7
10/7/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	13	< 0.5	120	< 0.3	2.5	135.5
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	13	< 0.5	160	< 0.3	1.9	174.9
4/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	16	< 0.5	60	< 0.3	< 1.8	76
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	11	< 0.5	77	< 0.3	< 1.8	88
10/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	2.4	14	< 0.5	110	< 0.3	3.1	129.5
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	5.8	< 1	61	< 1	< 2	66.8
4/5/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	12	< 1	< 2	13.3
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	5.5	< 1	40	< 1	< 2	45.5
10/10/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	9	< 0.64	64	< 0.79	< 1.8	73
1/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	6	< 0.64	59	< 0.79	< 1.8	65
4/4/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	9	< 0.64	76	< 0.79	< 1.8	85
7/16/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	7	< 0.64	57	< 0.79	< 1.8	64
10/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	5	< 0.64	50	< 0.79	< 1.8	55
1/30/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	5	< 0.64	62	< 0.79	< 1.8	67

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 6M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/17/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	4	< 0.64	49	< 0.79	< 1.8	53
7/9/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	36	< 0.79	< 1.8	39
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	4	< 0.64	58	< 0.79	< 1.8	62
1/19/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	49	< 0.79	< 1.8	52
4/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	34	< 0.79	< 1.8	37
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	31	< 0.79	< 1.8	34
10/8/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	22	< 0.79	< 1.8	25
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	15	< 0.79	< 1.8	18
4/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	28	< 0.79	< 1.8	31
7/28/1999		8260	< 1.2	1.3 J	< 1	< 0.7	< 2.5	< 1	4	< 0.64	33	< 0.79	< 1.8	38.3
10/14/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.72 J	< 1	7.5	< 1	< 1.8	8.22
1/11/2000	A0018407	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.1	< 1	28	< 1	< 1.8	31.1
4/19/2000	A0259405	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.2	< 1	21	< 1	< 1.8	24.2
7/11/2000	A0483111	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	14	< 1	< 1.8	15.2
10/18/2000	A0751309	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.5	< 1	19	< 1	< 1.8	20.5
1/16/2001	A1043907	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.7	< 1	16	< 1	< 1.8	18.7
4/16/2001	A1345808	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	1.8	< 1.1	18	< 1.1	< 1.8	19.8
7/13/2001	A1663814	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	12	< 1	< 1.8	13.1
10/10/2001	A1994701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.7	< 1	19	< 1	< 1.8	20.7
1/23/2002	A2076801	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.66 J	27	< 1	51	< 1	< 1.8	78.66
4/12/2002	A2351803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9.8	< 1	100	< 1	< 1.8	109.8
7/12/2002	A2713909	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	11	< 1	69	< 1	< 1.8	80
10/8/2002	A2999301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9.1	< 1	52	< 1	< 1.8	61.1
1/21/2003	A3069002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.3	< 1	47	< 1.3	< 1.8	53.3
4/9/2003	A3329501	8021	< 1.2	< 1	< 1	< 1	24	< 1	8.1	< 1	48	< 1.3	< 1.8	80.1
7/8/2003	A3649108	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9.4	< 1	60	< 1.3	< 1.8	69.4
10/13/2003	A3991405	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	< 1	34	< 1	130	< 1	< 1.8	164
1/28/2004	A4077401	8021	< 2.9	< 1	< 1	< 1.6	2.9	< 1	37	< 1	260	< 1	< 1.8	299.9
4/20/2004	A4356802	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	< 1	22	< 1	240	< 1	< 1.8	262
7/7/2004	A4636502	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	< 1	16	< 1	130	< 1	< 1.8	146
10/21/2004	A4A48001	8021	< 2	< 2	< 2	< 2	< 2	< 2	18	< 2	100 E	< 2	< 2	118
1/17/2005	A5044302	8260	< 1.2	< 1.6	< 1.9	< 1	< 2.5	< 1.6	10	< 1.3	110	< 1.3	< 2.9	120
4/5/2005	A5317802	8260	< 1.2	< 1	< 1	< 1	0.93 J	< 1	6.7	< 1	95 D	0.55 J	< 1.8	103.18
7/12/2005	A5733202	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.2	< 1	58	< 1	< 1.8	64.2
10/5/2005	A5B10602	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.64 J	22	< 1	97	< 1	1.1 J	120.74
1/24/2006	A6089111	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.3	< 1	61	< 1	< 1.8	68.3
4/12/2006	6D13005-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	10	< 1	99	< 1	< 2	109
7/18/2006	6G19003-14	8260	< 1	< 1	< 1	< 1	5 B	< 1	18	< 1	109	< 1	< 2	132
10/10/2006	6J11002-06	8260	< 1	< 1	< 1	< 1	< 2	2	73	< 1	414 D	< 1	4	493
1/9/2007	7A10006-03	8260	< 1	< 1	< 1	< 1	3 B	< 1	21	< 1	205 D	< 1	< 2	229
4/4/2007	7D05011-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	13	< 1	150	< 1	< 2	163
7/11/2007	7G12003-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	13	< 1	137	< 1	< 2	150
10/10/2007	7J11002-02	8260	< 1	< 1	< 1	< 1	< 2	1	45	< 1	258 D	< 1	3	307
1/8/2008	8A09005-06	8260	< 2	< 2	< 2	< 2	4	3	99	< 2	500 D	< 2	< 4	606
4/7/2008	8D08002-06	8260	< 5	< 5	< 5	< 5	18 B	< 5	33	< 5	346	< 5	< 10	397
7/22/2008	5422164	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	26	< 0.8	230	< 0.8	< 1	257
10/17/2008	5502671	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	10	< 0.8	95	< 0.8	< 1	105
1/15/2009	5578622	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.92 J	26	< 0.8	210	< 0.8	< 1	236.92
4/16/2009	5649163	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.9 J	27	< 0.8	270	< 0.8	< 1	297.9
7/9/2009	5720687	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.86 J	23	< 0.8	230	< 0.8	< 1	253.86

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 6M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/6/2009	5799016	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.89 J	21	< 0.8	190	< 0.8	< 1	211.89
1/20/2010	5888924	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.93 J	36	< 0.8	250	< 0.8	< 1	286.93
4/6/2010	5946900	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	23	< 0.8	280	< 0.8	< 1	303
7/20/2010	6038216	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	170	< 0.8	< 1	186
10/18/2010	6115536	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	12	< 0.8	130	< 0.8	< 1	142
1/24/2011	6190820	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	20	< 0.8	160	< 0.8	< 1	180
4/12/2011	6256726	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	190	< 0.8	< 1	206
7/21/2011	6353674	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	190	< 0.8	< 1	206
10/10/2011	6433664	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	10	< 0.8	110	< 0.8	< 1	120
1/17/2012	6524419	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.82 J	22	< 0.8	280	< 0.8	< 1	302.82
4/3/2012	6605294	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	19	< 0.8	250	< 0.8	< 1	269
7/17/2012	6723840	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	200	< 0.8	< 1	216
10/3/2012	6812009	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.86 J	19	< 0.8	240	< 0.8	< 1	259.86
1/23/2013	6932568	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.2 J	40	< 0.8	350	< 0.8	< 1	391.2
4/8/2013	7015025	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.8 J	23	< 0.8	220	< 0.8	< 1	243.8
7/15/2013	7128199	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	12	< 0.8	160	< 0.8	< 1	172
11/13/2013	7276546	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	260	< 0.8	< 1	277
1/17/2014	7341388	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	13	< 0.8	190	< 0.8	< 1	203
4/14/2014	7430454	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.3	< 0.5	100	< 0.5	< 0.5	107.3
7/10/2014	7529507	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6	< 0.5	88	< 0.5	< 0.5	94
10/2/2014	7623670	8260	< 0.5	1.7	< 0.5	< 0.5	< 2	0.59 J	12	< 0.5	140	< 0.5	< 0.5	154.29
1/8/2015	7734018	8260	< 0.5	4.4	< 0.5	< 0.5	< 2	0.87 J	31	< 0.5	350	< 0.5	< 0.5	386.27
4/14/2015	7847245	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	10	< 0.5	51	< 0.5	< 0.5	61
7/6/2015	7956060	SW8260C	< 0.5	1.3	< 0.5	< 0.5	< 2	0.68 J	26	< 0.5	260	< 0.5	< 0.5	287.98
10/7/2015	8080776	SW8260C	< 0.5	0.96 J	< 0.5	< 0.5	< 2	0.97 J	42	< 0.5	310	< 0.5	0.59 J	354.52
1/7/2016	8199648	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.9	< 0.5	55	< 0.5	< 0.5	57.9
12/7/2016	240-73270-5	8260C	< 10	< 10	< 10	< 10	< 10	< 10	22	< 10	240	< 10	< 10	262

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 7M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	< 5	3	< 5	< 5	1	< 5	< 5	< 5	7	< 5	< 5	11
3/1/1985		8260	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2	0
5/1/1985		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	0
12/1/1985		8260	< 2.8	< 1.6	< 4.7	< 2.8	5.4	< 1.6	< 1.6	< 3.8	6.8	< 5	< 10	12.2
4/1/1986		8260	< 0.4	< 0.2	< 0.4	< 0.4	< 0.2	< 5	0.5	< 0.2	2.6	< 5	< 0.4	3.1
7/1/1986		8260	< 0.4	< 0.2	< 0.2	< 0.4	< 0.2	< 5	1.3	< 0.2	1.1	< 5	< 0.4	2.4
10/1/1986		8260	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 5	0.9	< 0.4	0.4	< 5	< 0.4	1.3
1/1/1987		8260	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 5	1.9	< 0.2	9.6	< 5	< 0.2	11.5
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	1.3	< 0.2	3.9	< 5	< 0.2	5.2
7/1/1987		8260	< 0.2	< 0.2	< 0.4	< 0.4	< 0.2	< 5	1	< 0.2	1.5	< 5	< 0.6	2.5
10/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	1.6	< 0.2	< 0.2	< 5	< 0.4	1.6
2/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	1.4	< 0.2	20	< 5	< 0.2	21.4
8/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	2	< 0.2	29	< 5	< 0.4	31
11/1/1988		8260	11	< 0.2	< 0.2	< 0.2	< 0.2	< 5	2.8	< 0.2	< 0.2	< 5	< 0.2	13.8
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	1	< 0.03	9	< 0.03	< 0.2	10
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	31	< 0.03	7.3	< 0.03	< 0.2	38.3
7/1/1989		8260	< 1.2	0.7	< 0.7	< 1.3	< 2.5	< 1	1.4	< 0.3	22	< 0.3	< 1.8	24.1
10/1/1989		8260	5.7	< 0.5	< 0.7	< 1	< 1	< 1	2.2	< 0.3	35	< 0.3	< 1	42.9
1/1/1990		8260	< 1	1	< 0.7	< 1	< 5	< 1	6.4	< 0.3	200	< 0.3	< 1	207.4
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	9.5	< 0.3	28	< 0.3	< 1	37.5
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	1.3	< 0.3	41	< 0.3	< 1	42.3
10/1/1990		8260	< 1	< 0.5	< 0.7	3	< 1	< 1	3.2	< 0.3	81	< 0.3	< 1	87.2
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	5.5	14	130	0.3	< 1	149.8
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.1	< 0.3	46	< 0.3	< 1.8	47.1
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	58	< 0.3	< 1.8	58
10/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	330	< 3	< 18	330
1/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	380	< 3	< 18	380
4/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 3	87	< 3	< 18	87
7/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	< 10	< 10	< 84	< 3	< 18	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 2.1	< 0.3	58	< 0.3	< 1.8	58
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.1	< 0.3	29	< 0.3	< 1.8	31.1
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.4	< 0.5	32	< 0.3	< 1.8	33.4
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.6	9.4	< 0.3	< 1.8	11
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.4	< 0.5	19	< 0.3	< 1.8	20.4
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	5.8	< 0.3	< 1.8	5.8
4/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	0.93	< 0.5	23	< 0.3	< 1.8	23.93
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1	< 0.5	41	< 0.3	< 1.8	42
10/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.2	< 0.5	14	< 0.3	< 1.8	16.2
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	2.3	< 1	14	< 1	< 2	16.3
4/5/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7.5	< 1	< 2	7.5
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.8	< 1	< 2	6.8
10/9/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	13	< 0.79	< 1.8	16
1/9/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	12	< 0.79	< 1.8	14
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	14	< 0.79	< 1.8	16
7/16/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	15	< 0.79	< 1.8	17
10/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	5.6	< 0.79	< 1.8	5.6
1/30/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	11	< 0.79	< 1.8	13

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 7M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/17/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	7.5	< 0.79	< 1.8	7.5
7/8/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	6	< 0.79	< 1.8	8
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	6.4	< 0.79	< 1.8	6.4
1/19/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	9.3	< 0.79	< 1.8	9.3
4/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	5.9	< 0.79	< 1.8	5.9
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	6.6	< 0.79	< 1.8	6.6
10/8/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	5.8	< 0.79	< 1.8	5.8
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	1	< 0.64	5.6	< 0.79	< 1.8	6.6
4/15/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	7.1	< 0.79	< 1.8	9.1
7/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	5.4	< 0.79	< 1.8	7.4
10/11/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	3	< 1	< 1.8	3
1/10/2000	A0018401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	3.5	< 1	< 1.8	5.1
4/20/2000	A0263904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	5.5	< 1	< 1.8	7.5
7/18/2000	A0500416	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.36 J	< 1	2	< 1	< 1.8	2.36
10/18/2000	A0751310	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.49 J	< 1	3	< 1	< 1.8	3.49
1/11/2001	A1035103	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	2.2	< 1	< 1.8	4
4/20/2001	A1366402	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	2.9	< 1.1	3.2	< 1.1	< 1.8	6.1
7/12/2001	A1663801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.5 J	< 1	1.8	< 1	< 1.8	2.3
10/10/2001	A1994702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.59 J	< 1	1.9	< 1	< 1.8	2.49
1/21/2002	A2066003	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	4.6	< 1	< 1.8	5.7
4/11/2002	A2348301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.5	< 1	11	< 1	< 1.8	12.5
7/11/2002	A2708314	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.3	< 1	7.7	< 1	< 1.8	10
10/8/2002	A2999307	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	7.2	< 1	< 1.8	9
1/16/2003	A3055803	8021	< 1.2	3.1	< 1	< 1	< 2.5	< 1	0.92 J	< 1	4	< 1	< 1.8	8.02
4/8/2003	A3329504	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.3	< 1	8.6	< 1	< 1.8	10.9
7/8/2003	A3649101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.85 J	< 1	5.4	< 1	< 1.8	6.25
10/10/2003	A3983901	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	28	< 1	63	< 1	< 1.8	91
1/9/2004	A4026201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.7	< 1	25	< 1	< 1.8	31.7
4/14/2004	A4331802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.4	< 1	21	< 1	< 1.8	25.4
6/30/2004	A4619301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.7	< 1	18	< 1	< 1.8	21.7
10/26/2004	A4A60202	8021	< 1	< 1	< 1	< 1	< 1	< 1	3.9	< 1	12	< 1	< 1	15.9
1/18/2005	A5051004	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.3	< 1	8.6	< 1	< 1.8	9.9
4/4/2005	A5307701	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	12 B	< 1	< 1.8	13.6
7/12/2005	A5725601	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	8.2	< 1	< 1.8	10
7/17/2006	6G18004-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	8	< 1	< 2	10
7/10/2007	7G11015-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	7	< 1	< 2	8
7/23/2008	5423259	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.2 J	< 0.8	7.7	< 0.8	< 1	9.9
7/8/2009	5719613	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.5 J	< 0.8	4.9 J	< 0.8	< 1	6.4
7/12/2010	6030554	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.4 J	< 0.8	4.9 J	< 0.8	< 1	6.3
7/18/2011	6348760	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.5 J	< 0.8	4.6 J	< 0.8	< 1	6.1
7/16/2012	6722037	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	< 0.8	3.8 J	< 0.8	< 1	4.9
7/9/2013	7122567	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.94 J	< 0.8	5.2	< 0.8	< 1	6.14
7/9/2014	7527870	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	2.7	< 0.5	< 0.5	2.7
7/13/2015	7965564	SW8260C	< 0.5	0.95 J	< 0.5	< 0.5	< 2	< 0.5	1.1	< 0.5	4.7	< 0.5	< 0.5	6.75
12/12/2016	240-73361-1	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0	5.2	< 1.0	< 1.0	6.6

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 8M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260	2	10	7	6	2	< 5	390	< 5	40000	< 5	57	40474
3/1/1985		8260	< 2000	< 1000	< 1000	< 4000	1700	< 5	14000	< 2000	84000	< 5	< 2000	99700
5/1/1985		8260	< 400	< 200	< 400	< 1000	< 200	< 5	1400	< 600	39000	< 5	< 400	40400
12/1/1985		8260	< 1400	< 800	< 2400	< 1400	< 1400	< 800	< 800	< 1900	98000	< 5	< 5000	98000
4/1/1986		8260	< 200	< 100	< 200	< 200	< 200	< 5	730	< 100	72000	< 5	< 200	72730
7/1/1986		8260	< 200	< 100	< 200	< 200	< 100	< 5	1900	< 200	16000	< 5	< 200	17900
10/1/1986		8260	< 100	180	< 100	< 100	< 200	< 100	< 100	< 100	62000	< 5	< 200	62180
4/1/1987		8260	< 1	38	8.5	7.6	< 1	< 5	680	11	22000	< 5	230	22975.1
7/1/1987		8260	< 20	< 20	< 40	< 40	< 20	< 5	530	< 20	16000	< 5	< 60	16530
10/1/1987		8260	< 1	< 5	2.7	< 1	< 1	< 5	270	1.8	11000	< 5	8.1	11282.6
2/1/1988		8260	< 200	< 200	< 200	< 200	< 200	< 5	4200	< 200	170000	< 5	< 400	174200
8/1/1988		8260	< 100	< 100	< 100	< 100	< 100	< 5	1300	< 100	51000	< 5	< 200	52300
11/1/1988		8260	6	19	6	8	< 1	< 5	37	8	49000	< 5	67	49151
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	90	< 0.03	7500	< 0.03	22	7612
4/1/1989		8260	460	110	< 7	< 3	< 10	< 10	480	< 3	81000	< 0.03	< 18	82050
7/1/1989		8260	< 1000	< 500	< 700	< 1000	< 1000	< 1000	650	< 300	46000	< 300	< 1000	46650
10/1/1989		8260	< 1000	< 500	< 700	< 1000	< 1000	< 1000	< 1000	< 300	18000	< 300	< 1000	18000
1/1/1990		8260	< 1000	520	< 700	< 1000	< 5000	< 1000	1600	< 300	100000	< 300	< 1000	102120
4/1/1990		8260	< 1000	< 500	< 700	< 1000	< 5000	< 1000	< 1000	< 300	47000	300	< 1000	47300
7/1/1990		8260	< 1000	< 500	< 700	< 1000	< 5000	< 1000	< 1000	< 300	69000	300	< 1000	69300
10/1/1990		8260	< 200	< 100	< 140	< 200	< 200	< 200	210	< 60	26000	< 60	< 200	26210
2/1/1991		8260	< 250	< 130	< 180	< 250	< 1300	< 250	810	< 75	120000	< 75	< 250	120810
5/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	1800	< 30	110000	< 30	< 180	111800
7/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	880	60	64000	< 300	< 180	64940
10/1/1991		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	< 1000	< 300	24000	< 300	< 1800	24000
1/1/1992		8260	< 1200	< 500	< 700	< 1300	< 2500	< 100	< 1000	< 300	25000	< 300	< 1800	25000
4/1/1992		8260	< 2400	< 1000	< 1400	< 2600	< 5000	< 2000	< 2000	< 600	110000	< 600	< 3600	110000
7/1/1992		8260	< 6000	< 3000	< 3500	< 6500	< 13000	< 5000	< 5000	< 1500	67000	< 1500	< 9000	67000
10/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	1900	< 30	130000	< 30	< 180	131900
1/1/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	2900	< 30	130000	< 30	< 180	132900
3/30/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	< 1000	< 500	53000	< 300	< 1800	53000
6/4/1993		8260	< 120	< 50	< 70	< 130	430	< 100	1100	81	120000	< 30	< 180	121611
6/29/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	1200	2100	74000	< 300	< 1800	77300
8/5/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	1600	< 50	44000	< 30	< 180	45600
9/1/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	2800	< 500	59000	< 300	< 1800	61800
10/4/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	2000	< 500	110000	< 300	< 1800	112000
1/28/1994		8260	< 12	9.8	< 7	46	< 25	33	1800	5.9	21000	8.8	80	22983.5
4/6/1994		8260	< 12	< 5	< 7	20	< 25	32	1500	< 5	160000	< 3	< 18	161552
7/7/1994		8260	< 1.2	< 0.5	< 0.7	13	< 2.5	15	1600	0.72	52000 E	2.2	12	53642.92
1/25/1995		8260	< 200	< 200	< 200	200	< 200	< 200	390	< 200	27000	< 200	< 400	27590
4/5/1995		8260	< 200	< 200	< 200	200	< 200	< 200	430	< 200	24000	< 200	< 400	24630
4/4/1996		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	< 1000	< 640	27000	< 790	< 1800	27000
7/15/1996		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	< 1000	< 640	18000	< 790	< 1800	18000
1/28/1997		8260	< 120	< 50	< 100	70	< 250	< 100	230	< 64	7800	< 79	< 180	8100
4/17/1997		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	< 1000	< 640	14000	< 790	< 1800	14000
7/10/1997		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	< 1000	< 640	17000	< 790	< 1800	17000
10/23/1997		8260	< 120	< 50	< 100	< 70	< 250	< 100	120	< 64	3600	< 79	< 180	3720

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 8M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/21/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	280	< 64	18000	< 79	< 180	18280
4/22/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	520	< 64	11000	< 79	< 180	11520
10/12/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	1500	< 64	7800	< 79	< 180	9300
1/13/2000	A0026411	8021	< 160	< 160	< 160	< 160	< 160	< 160	1700	< 160	12000	< 160	< 160	13700
4/19/2000	A0259416	8021	< 160	< 160	< 160	< 160	170	< 160	1800	< 160	20000	< 160	< 160	21970
10/20/2000	A0754601	8021	< 80	< 80	< 80	< 80	110 B	< 80	680	< 80	7900	< 80	< 80	8690
1/12/2001	A1035104	8021	< 160	< 160	< 160	< 160	620	< 160	1400	< 160	7400	< 160	< 160	9420
4/24/2001	A1375204	8021	< 400	< 400	< 400	< 400	< 400	< 400	2400	< 400	24000	< 400	< 400	26400
7/11/2001	A1648705	8021	< 200	< 200	< 200	< 200	500	< 200	700	< 200	11000	< 200	< 200	12200
10/17/2001	A1A23313	8021	< 800	< 800	< 800	< 800	980	< 800	8500	< 800	64000	< 800	< 800	73480
1/25/2002	A2081501	8021	< 100	< 100	< 100	< 100	170	< 100	2400	< 100	35000 D	< 100	< 100	37570
4/22/2002	A2391102	8021	< 400	< 400	< 400	< 400	540	< 400	< 400	< 400	22000	< 400	< 400	22540
7/17/2002	A2732602	8021	< 500	< 500	< 500	< 500	1500	< 500	4700	< 500	73000	< 500	< 500	79200
10/15/2002	A2A23602	8021	< 500	< 500	< 500	< 500	< 500	< 500	7100	< 500	41000	< 500	< 500	48100
1/24/2003	A3075209	8021	< 140	< 46	< 50	< 82	< 180	< 77	1900	< 93	10000	< 160	< 65	11900
4/24/2003	A3389604	8021	< 290	< 91	< 99	< 160	530	< 150	2100	< 190	23000	< 330	< 130	25630
7/22/2003	A3699407	8021	< 2900	< 910	< 990	< 1600	< 3700	< 1500	9500	< 1900	170000	< 3300	< 1300	179500
10/22/2003	A3A28301	8021	< 1400	< 250	< 210	< 820	< 450	< 500	5300	< 300	85000	< 110	< 890	90300
1/22/2004	A4057101	8021	< 290	< 51	< 42	< 160	< 90	330	330	< 59	12000	< 23	< 180	12660
4/30/2004	A4402504	8021	< 1400	< 250	< 210	< 820	< 450	< 500	< 1200	< 300	24000	< 110	< 890	24000
7/19/2004	A4682701	8021	< 1400	< 250	< 210	< 820	< 450	< 500	7800 E	< 300	58000	< 110	< 890	143700
7/19/2004	A4682701	8260	< 1400	< 250	< 210	< 820	< 450	< 500	7800 E	< 300	58000	< 110	< 890	143700
10/15/2004	A4A20302	8021	< 1	< 1	< 1	3.6	< 1	6.5	980 D	< 1	15000 D	4	17	16011.1
1/12/2005	A5036104	8260	< 190	< 320	< 380	< 190	< 400	< 320	920	< 250	51000 D	< 250	< 590	51920
4/19/2005	A5387403	8260	< 95	< 160	< 190	< 94	< 200	< 160	430	< 130	18000	< 130	< 290	18430
7/15/2005	A5747101	8260/5M	< 51	< 56	< 53	< 60	200	< 63	3300	< 56	29000 D	< 64	320	32820
10/24/2005	A5B97301	8260	< 1.2	< 1	0.93 J	12	< 2.5	13	880 D	0.61 J	56000 BD	5.4	42	56953.94
1/26/2006	A6102405	8260	< 110	< 130	< 110	< 120	< 180	< 130	1000	< 100	36000	< 140	< 97	37000
4/19/2006	6D20002-03	8260	< 20	< 20	< 20	< 20	< 40	< 20	1020	< 20	23200 D	< 20	78	24298
7/14/2006	6G14010-01	8260	< 20	< 20	< 20	20	115	32	3450	< 20	58900 D	< 20	198	62715
10/9/2006	6J10002-08	8260	< 25	< 25	< 25	< 25	74	< 25	975	< 25	29100 D	< 25	< 50	30149
1/9/2007	7A10006-06	8260	< 25	< 25	< 25	< 25	235	< 25	2580	< 25	48700 D	< 25	50	51565
4/12/2007	7D13007-04	8260	< 250	< 250	< 250	< 250	1160	< 250	692	< 250	17800	< 250	< 500	19652
7/16/2007	7G17015-05	8260	< 500	< 500	< 500	< 500	1260	< 500	4130	< 500	71500	< 500	< 1000	76890
10/9/2007	7J10006-05	8260	< 500	< 500	< 500	< 500	< 1000	< 500	6730	< 500	120000 D	< 500	< 1000	126730
1/7/2008	8A08003-02	8260	< 250	< 250	< 250	< 250	500	< 250	1280	< 250	30500	< 250	< 500	32280
4/9/2008	8D10002-03	8260	< 250	< 250	< 250	< 250	732	< 250	4110	< 250	101000 D	< 250	< 500	105842
7/24/2008	5424623	8260	< 20	< 16	< 20	< 16	< 40	< 16	1400	< 16	37000	< 16	28 J	38428
10/16/2008	5501565	8260	< 50	< 40	< 50	< 40	< 100	< 40	4600	< 40	32000	< 40	200 J	36800
1/15/2009	5578621	8260	< 50	< 40	< 50	< 40	< 100	< 40	3100	< 40	63000	< 40	87 J	66187
4/13/2009	5647717	8260	< 100	< 80	< 100	< 80	< 200	< 80	3100	< 80	61000	< 80	120 J	64220
7/7/2009	5718472	8260	< 20	< 16	< 20	< 16	< 40	< 16	1200	< 16	25000	< 16	30 J	26230
10/7/2009	5800390	8260	< 5	< 4	< 5	12 J	< 10	13 J	1900	< 4	32000	< 4	79	34004
1/20/2010	5888925	8260	< 100	< 80	< 100	< 80	< 200	< 80	4600	< 80	80000	< 80	210 J	84810
4/14/2010	5954138	8260	< 100	< 80	< 100	< 80	< 200	< 80	2700	< 80	84000	< 80	< 100	86700
7/15/2010	6033918	8260	< 100	< 80	< 100	< 80	< 200	< 80	5600	< 80	94000	< 80	410 J	100010
10/14/2010	6113377	8260	< 5	< 4	< 5	13 J	< 10	17 J	3000	< 4	60000	6.6 J	54	63090.6
1/24/2011	6190819	8260	< 100	< 80	< 100	< 80	< 200	< 80	4600	< 80	70000	< 80	160 J	74760
4/14/2011	6259039	8260	< 50	< 40	< 50	< 40	< 100	< 40	1400	< 40	45000	< 40	< 50	46400
7/18/2011	6348766	8260	< 200	< 160	< 200	< 160	< 400	< 160	5400	< 160	83000	< 160	400 J	88800

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 8M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/12/2011	6435905	8260	< 100	< 80	< 100	< 80	< 200	< 80	5600	< 80	78000	< 80	270 J	83870
1/17/2012	6524424	8260	< 1	< 0.8	< 1	9.7	< 2	11	1300	< 0.8	35000	4.5 J	52	36377.2
4/4/2012	6607032	8260	< 20	< 16	< 20	< 16	< 40	< 16	1900	< 16	32000	< 16	120	34020
7/16/2012	6722032	8260	< 2	< 1.6	< 2	32	< 4	36	5500	< 1.6	56000	11	340	61919
10/4/2012	6814361	8260	< 100	< 80	< 100	< 80	< 200	< 80	5800	< 80	84000	< 80	100 J	89900
1/23/2013	6932575	8260	< 50	< 40	< 50	< 40	< 100	< 40	2000	< 40	51000	< 40	< 50	53000
4/8/2013	7015031	8260	< 10	< 8	< 10	< 8	< 20	< 8	760	< 8	20000	< 8	< 10	20760
7/2/2013	7117030	8260	< 10	< 8	< 10	< 8	< 20	< 8	770	< 8	21000	< 8	18 J	21788
11/11/2013	7273097	8260	< 10	< 8	< 10	< 8	< 20	< 8	470	< 8	13000	< 8	< 10	13470
1/17/2014	7341387	8260	< 5	< 4	< 5	< 4	< 10	< 4	260	< 4	7700	< 4	< 5	7960
4/15/2014	7432590	8260	< 2.5	< 2.5	< 2.5	< 2.5	< 10	3.2 J	250	< 2.5	7400	2.7 J	< 2.5	7655.9
7/9/2014	7527876	8260	< 0.5	8.5	< 0.5	2.2	< 2	3.1	300	< 0.5	7000	2.3	4	7320.1
10/3/2014	7625307	8260	< 2.5	11	< 2.5	4.3 J	< 10	5.3	720	< 2.5	10000	3 J	10	10753.6
1/6/2015	7731160	8260	< 5	5 J	< 5	< 5	< 20	< 5	800	< 5	11000	< 5	< 5	11805
4/22/2015	7858500	8260	< 5	5.7 J	< 5	< 5	< 20	5.6 J	660	< 5	16000	< 5	12	16683.3
7/6/2015	7956057	SW8260C	< 50	< 50	< 50	< 50	< 200	< 50	4900	< 50	75000	< 50	160	80060
10/6/2015	8079106	SW8260C	< 50	< 50	< 50	< 50	< 200	< 50	6400	< 50	110000	< 50	270	116670
1/5/2016	8197708	SW8260C	< 25	< 25	< 25	< 25	< 100	< 25	2500	< 25	27000	< 25	53	29553
12/8/2016	240-73270-7	8260C	< 1700	< 1700	< 1700	< 1700	1300 J	< 1700	2200	< 1700	40000	< 1700	< 1700	43500

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B- 9M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1987		8260	< 0.2	0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.4	< 5	3.6	4.8
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	1.3	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	1.3
7/1/1987		8260	< 0.2	< 0.2	< 0.4	< 0.4	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.6	0
10/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.4	0
2/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	0
8/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.4	0
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	< 1	< 0.03	2.4	0.1	< 0.2	2.5
4/1/1989		8260	< 0.1	< 0.05	0.3	< 0.03	< 0.1	< 0.1	11	< 0.03	20	< 0.3	1.3	32.6
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 1.3	< 1	1.6	< 1	1.6
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	0.4	< 1	0.4
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	1.5	< 1	< 1	5.6	4.5	< 1	1.6	< 1	13.2
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	1.5	< 1.8	1.5
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 1.2	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	2.2	< 1.8	2.2
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	2.2	< 0.3	< 1.8	2.2
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	1.9	< 1.8	1.9
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.67 *	< 1.2	0.33	< 1.8	1
3/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	0.32	< 1.8	0.32
6/28/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	2.5	2.3	< 1.8	4.8
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	1.8	< 1.8	1.8
7/17/2002	A2732703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.4	< 1	23	1.7	< 1.8	32.1
7/2/2003	A3639709	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	2.8	< 1	< 1.8	4.2
6/29/2004	A4614511	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2	< 1	< 1.8	2
7/7/2005	A5706807	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.7	< 1	5.4	1.4	< 1.8	9.5
10/24/2005	A5B97302	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.3 B	< 1	< 1.8	1.3
1/24/2006	A6089109	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.67 J	< 1	< 1.8	0.67
4/12/2006	6D13005-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/13/2006	6G14009-05	8260	< 1	< 1	< 1	< 1	3	< 1	2	< 1	3	< 1	< 2	8
10/9/2006	6J10002-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	4	< 1	< 2	5
1/5/2007	7A05012-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/4/2007	7D05011-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/10/2007	7G11015-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
10/9/2007	7J10006-10	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	< 1	< 1	< 2	2
1/7/2008	8A08003-03	8260	< 1	< 1	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 2	3
4/7/2008	8D08002-07	8260	< 1	< 1	< 1	< 1	2 B	< 1	< 1	< 1	< 1	< 1	< 2	2
7/16/2008	5417444	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/21/2009	5582424	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/16/2009	5649164	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/7/2009	5718463	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/6/2009	5799006	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/20/2010	5888926	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0

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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B- 9M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/6/2010	5946904	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2010	6030559	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.85 J	< 0.8	1.7 J	< 0.8	< 1	2.55
1/24/2011	6190818	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/12/2011	6256716	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2011	6342647	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.1 J	< 0.8	< 1	1.1
10/10/2011	6433665	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.3 J	< 0.8	5.4	4.1 J	< 1	11.8
1/17/2012	6524423	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/3/2012	6605290	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/3/2012	6605292	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717362	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.1 J	< 0.8	< 1	1.1
10/4/2012	6814363	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	2.7 J	2.5 J	< 1	5.2
1/17/2013	6926981	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/8/2013	7015032	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/8/2013	7015033	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/2/2013	7117034	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	3.2 J	< 0.8	< 1	3.2
11/11/2013	7273094	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.1 J	< 0.8	< 1	1.1
1/17/2014	7341380	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/17/2014	7341385	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2014	7430455	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2014	7527879	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	2.1	0.78 J	< 0.5	2.88
10/3/2014	7625306	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	0.79 J	< 0.5	2.6	2.5	< 0.5	5.89
1/8/2015	7734019	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	3.5	9.3	< 0.5	12.8
1/8/2015	7734021	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	3.5	9.3	< 0.5	12.8
4/14/2015	7847244	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.8	< 0.5	5.4	< 0.5	< 0.5	8.2
7/7/2015	7958390	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.1	< 0.5	2.7	5.1	< 0.5	8.9
10/7/2015	8080777	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.2	< 0.5	1.2	2.2	< 0.5	4.6
1/5/2016	8197702	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.4	< 0.5	16	4.4	< 0.5	22.8
12/9/2016	240-73270-24	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	< 1.0	1.8	2.9	< 1.0	5.27

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-10M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1987		8260	< 0.2	< 0.4	0.4	0.2	< 0.2	< 5	24	2.5	48	< 5	0.8	75.9
4/1/1987		8260	< 0.2	< 0.2	0.7	0.5	< 0.2	< 5	50	7.8	83	< 5	< 0.2	142
7/1/1987		8260	< 0.6	< 2	2.7	1.8	< 0.2	< 5	170	13	240	< 5	< 0.6	427.5
10/1/1987		8260	< 0.8	< 1	1.3	0.8	< 0.2	< 5	53	6.2	80	< 5	< 0.4	141.3
2/1/1988		8260	< 0.2	< 0.2	2.5	0.4	0.2	< 5	18	12	32	< 5	< 0.2	65.1
8/1/1988		8260	< 0.2	< 0.2	5.2	< 0.2	< 0.2	< 5	190	22	160	< 5	< 0.4	377.2
11/1/1988		8260	< 1	< 1	4	< 1	< 1	< 5	160	17	70	< 5	< 1	251
1/1/1989		8260	< 0.1	< 5	0.8	0.4	< 0.1	0.9	18	8.9	5.2	0.03	0.2	34.43
4/1/1989		8260	< 0.1	< 0.05	1.5	1.6	< 0.1	0.6	29	< 0.03	110	< 0.03	0.2	142.9
7/1/1989		8260	< 1.2	< 0.5	< 1.1	< 1.3	< 2.5	1	46	7.2	150	< 0.3	< 1.8	204.2
10/1/1989		8260	< 1	< 0.5	1.7	1.4	< 1	5.2	48	10	81	< 0.3	< 1	147.3
1/1/1990		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	53	12	150	< 1.5	< 5	215
4/1/1990		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	22	2.8	75	< 1.5	< 5	99.8
7/1/1990		8260	< 1	< 0.5	2.1	< 1	< 5	< 1	37	17	140	< 0.3	< 1	196.1
10/1/1990		8260	< 1	2.1	2.4	6.8	< 1	1.5	52	21	200	< 0.3	< 1	285.8
1/1/1991		8260	< 1	0.6	< 0.7	< 1	< 5	< 1	< 1	12	70	< 0.3	3.3	85.9
5/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 12	< 5	18	6.1	120	< 1.5	< 9	144.1
7/1/1991		8260	< 6	7.9	< 3.5	< 6.5	< 13	< 5	17	12	160	< 1.5	< 9	196.9
10/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	23	3.5	96	< 1.5	< 9	122.5
1/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	54	14	140	< 3	< 18	208
4/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	16	6.4	110	< 3	< 18	132.4
7/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 5	< 5	7.4	120	< 3	< 18	127.4
10/1/1992		8260	< 1.2	0.51	0.63	< 1.3	< 2.5	0.87	16	6.7	140	< 0.3	< 1.8	164.71
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	14	4.8	86	< 0.3	< 1.8	104.8
3/30/1993		8260	< 1.2	< 0.5	0.97	< 1.3	< 2.5	< 1	16	4.9	44	< 0.3	< 1.8	65.87
6/29/1993		8260	< 1.2	< 0.5	0.98	< 1.3	< 2.5	< 1	16	5.8	53	< 0.3	< 1.8	75.78
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	16	2	50	< 0.3	< 1.8	68
7/6/1994		8260	< 1.2	< 0.5	1.5	< 1.3	< 2.5	1.2	31	7.8	410	< 0.3	< 1.8	451.5
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	21	3.8	62	< 1	< 2	86.8
7/16/1996		8260	< 1.2	0.9	< 1	< 0.7	< 2.5	1.4	38	7.2	73	< 0.79	< 1.8	120.5
7/9/1997		8260	< 1.2	0.6	< 1	< 0.7	< 2.5	2	35	5.5	83	< 0.79	< 1.8	126.1
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1	35	5.5	69	< 0.79	< 1.8	110.5
7/20/1999		8260	< 1.2	0.6 J	2 J	1.6	< 2.5	2.9	43	11	110	< 0.79	< 1.8	171.1
7/17/2000	A0500407	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.5	2.1	37	< 1	< 1.8	45.6
7/10/2001	A1648708	8021	< 1.2	< 1	0.72 J	< 1	1.1 J	0.64 J	21	4.3	43	< 1	< 1.8	70.76
7/16/2002	A2722907	8021	< 1.2	< 1	< 1	< 1	2.6	< 1	14	4.3	56	< 1	< 1.8	76.9
4/25/2003	A3389601	8021	< 1.2	< 1	< 1	< 1	1.5 J	< 1	10	3.6	52	< 1.3	< 1.8	67.1
7/18/2003	A3689004	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.4	2.6	40	< 1.3	< 1.8	50
10/22/2003	A3A21906	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	19	5.1	92	< 1	< 1.8	116.1
4/29/2004	A4402501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	3.8	59	< 1	< 1.8	72.8
7/16/2004	A4674302	8021	< 1.2	< 1	1.3	< 1	3.8 E	1.9 E	7.6 E	3.7 E	45 E	< 1	< 1.8	107.2
7/16/2004	A4674302	8260	< 1.2	< 1	1.3	< 1	3.8 E	1.9 E	7.6 E	3.7 E	45 E	< 1	< 1.8	107.2
10/15/2004	A4A20301	8021	< 1	< 1	< 1	< 1	1.3	0.51 J	12	4.1	39	< 1	< 1	56.91
4/19/2005	A5387402	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.49 J	6	3.5	40 D	< 1	< 1.8	49.99
7/20/2005	A5762302	8260/5M	< 1.2	< 1	0.7 J	< 1	< 2.5	0.75 J	9.1	4.8	45	< 1	< 1.8	60.35
10/24/2005	A5B97303	8260	< 1.2	< 1	0.67 J	< 1	< 2.5	0.63 J	11	4.6	55 B	< 1	< 1.8	71.9
4/19/2006	6D20002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	5	3	30	< 1	< 2	38

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-10M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/18/2006	6G19003-01	8260	< 1	< 1	< 1	< 1	4 B	< 1	13	6	42	< 1	< 2	65
10/11/2006	6J12003-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	9	5	53	< 1	< 2	67
4/18/2007	7D19009-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	3	27	< 1	< 2	34
7/10/2007	7G11015-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	6	4	36	< 1	< 2	46
10/9/2007	7J10006-11	8260	< 1	< 1	< 1	< 1	< 2	1	15	5	51	< 1	< 2	72
4/9/2008	8D10002-01	8260	< 1	< 1	< 1	< 1	3	< 1	7	3	58	< 1	< 2	71
7/24/2008	5424625	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.81 J	8.4	4.2 J	43	< 0.8	< 1	56.41
10/20/2008	5504259	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.98 J	12	5.1	61	< 0.8	< 1	79.08
4/20/2009	5651166	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5	3 J	35	< 0.8	< 1	43
7/7/2009	5718465	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.5	2.9 J	35	< 0.8	< 1	43.4
10/6/2009	5799010	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.5	3.6 J	46	< 0.8	< 1	56.1
4/14/2010	5954139	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	2.4 J	31	< 0.8	< 1	37.3
7/12/2010	6030558	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.1	2.8 J	30	< 0.8	< 1	37.9
10/18/2010	6115530	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	16	4.8 J	66	< 0.8	< 1	88.1
4/21/2011	6266005	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.3 J	1.6 J	27	< 0.8	< 1	31.9
7/20/2011	6352277	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.1 J	2.5 J	32	< 0.8	< 1	38.6
10/10/2011	6433666	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.3	3.3 J	46	< 0.8	< 1	57.6
4/5/2012	6608275	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	1.3 J	32	< 0.8	< 1	35.7
7/11/2012	6717352	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.4	3.2 J	32	< 0.8	< 1	40.6
10/4/2012	6814364	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.86 J	9.4	4 J	44	< 0.8	< 1	58.26
4/2/2013	7007576	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	2.3 J	27	< 0.8	< 1	32.4
7/2/2013	7117035	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.2 J	2.1 J	28	< 0.8	< 1	33.3
11/14/2013	7278188	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	1.7 J	22	< 0.8	< 1	23.7
4/22/2014	7439163	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.9	1.8	19	< 0.5	< 0.5	22.7
7/9/2014	7527878	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.7	1.8	20	< 0.5	< 0.5	23.5
10/3/2014	7625300	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.6	1.5	19	< 0.5	< 0.5	22.1
4/21/2015	7856502	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3	1.9	21	< 0.5	< 0.5	25.9
7/7/2015	7958379	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	1.4	15	< 0.5	< 0.5	18.6
7/7/2015	7958384	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	1.4	15	< 0.5	< 0.5	18.6
10/6/2015	8079112	SW8260C	< 0.5	< 0.5	0.86 J	< 0.5	< 2	0.89 J	9.6	4.4	43	< 0.5	< 0.5	58.75
10/6/2015	8079114	SW8260C	< 0.5	< 0.5	0.86 J	< 0.5	< 2	0.89 J	9.6	4.4	43	< 0.5	< 0.5	58.75
12/8/2016	240-73270-15	8260C	< 1.4	< 1.4	0.89 J	0.46 J	< 1.4	0.74 J	9.7	3.7	39	< 1.4	< 1.4	54.49

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-11M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1987		8260	< 0.2	< 0.4	< 0.2	< 0.2	< 0.2	< 5	26	0.2	440	< 5	< 0.2	466.2
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	39	< 0.2	170	< 5	< 0.2	209
7/1/1987		8260	< 0.4	< 20	< 0.4	1.3	< 0.2	< 5	310	2.2	2100	< 5	< 0.6	2413.5
10/1/1987		8260	< 1	< 4	< 1	< 1	< 1	< 5	150	< 1	4500	< 5	< 2	4650
2/1/1988		8260	< 1	< 1	< 1	< 1	< 6	< 5	120	< 1	650	< 5	< 1	770
8/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 5	350	< 1	1200	< 5	< 2	1550
11/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 5	110	< 1	1900	< 5	< 1	2010
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	0.6	23	< 0.03	540	9.9	< 0.2	573.5
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	9	< 0.03	520	3.3	< 0.2	532.3
7/1/1989		8260	< 1.2	1.1	< 0.7	< 1.3	< 2.5	< 1	9.9	< 0.3	290	3.1	< 1.8	304.1
10/1/1989		8260	< 10	< 5	< 7	< 10	< 10	5.4	80	< 3	1600	20	< 10	1705.4
1/1/1990		8260	< 1	2.2	< 0.7	< 1	8	1.8	23	< 0.3	360	6.6	< 1	401.6
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	11	< 0.3	130	3.3	< 1	144.3
7/1/1990		8260	< 10	< 5	< 7	< 10	< 50	< 10	140	< 3	2900	100	< 10	3140
10/1/1990		8260	< 10	< 5	< 7	< 10	< 5	< 10	67	< 3	1100	3.7	< 10	1170.7
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	30	< 3	380	5.5	< 1	415.5
5/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	18	< 3	300	< 3	< 18	318
7/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	130	< 3.1	3900	150	< 18	4180
10/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	52	< 3	530	9.8	< 18	591.8
1/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	400	< 30	< 180	400
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	230	< 30	< 180	230
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 50	4500	< 30	< 180	4500
10/1/1992		8260	< 1.2	0.64	< 0.7	< 1.3	< 2.5	4.1	83	0.41	810	11	< 1.8	909.15
1/1/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	110	6.2 *	1800	92	< 18	2008.2
3/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	19	< 0.5	150	5.1	< 1.8	174.1
5/5/1993		8260	< 1.2	0.85	< 0.7	< 1.3	< 2.5	4.5	120	1.2	1100	24	< 1.8	1250.55
6/4/1993		8260	< 12	< 5	< 7	< 13	44	< 10	95	< 5	2300	34	< 18	2473
6/29/1993		8260	< 1.2	0.51	< 0.7	< 1.3	< 2.5	2.9	100	2.3	1100	14	< 1.8	1219.71
8/5/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	32	< 5	590	5.4	< 18	627.4
9/1/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	46	< 5	670	5.4	< 18	721.4
10/5/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	41	< 50	680	9.5	< 18	730.5
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	2.1	37	0.75	460	5.9	2.9	508.65
6/27/1995		8260	< 20	< 20	< 20	< 20	< 20	< 20	20	< 20	1700	< 20	< 40	1720
7/16/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	21	< 6.4	710	< 7.9	< 18	731
7/9/1997		8260	< 12	6.7	< 10	< 7	< 25	< 10	15	< 6.4	750	< 7.9	< 18	771.7
7/23/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	13	< 6.4	660	< 7.9	< 18	673
7/20/1999		8260	< 12	< 5	< 10	< 7	< 25	< 10	12	< 6.4	310	< 7.9	< 18	322
7/13/2000	A0492202	8021	< 4	< 4	< 4	< 4	9.7	< 4	27	< 4	430	< 4	< 4	466.7
7/10/2001	A1648706	8021	< 4	< 4	< 4	< 4	12	< 4	21	< 4	270	< 4	< 4	303
7/16/2002	A2722909	8021	< 20	< 20	< 20	< 20	< 20	< 20	230	< 20	1500	< 20	< 20	1730
7/10/2003	A3654302	8021	< 14	< 4.6	< 5	< 8.2	< 18	< 7.7	160	< 9.3	990	< 16	< 6.5	1150
7/7/2004	A4636802	8021	< 14	< 2.5	< 2.1	< 8.2	< 4.5	< 5	200	< 3	1600	35	< 8.9	1835
7/14/2005	A5740602	8260/5M	< 1.2	< 1	< 1	1.4	< 2.5	2.7	310 D	< 1	2000 D	87	1.3 J	2402.4
7/14/2006	6G14010-04	8260	< 10	< 10	< 10	< 10	< 20	< 10	189	< 10	1090	30	< 20	1309
7/16/2007	7G17015-08	8260	< 10	< 10	< 10	< 10	< 20	< 10	155	< 10	1150	67	< 20	1372
7/24/2008	5424624	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.87 J	170	< 0.8	700	21	< 1	891.87
7/7/2009	5718478	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.8 J	76	< 0.8	470	21	< 1	568.8

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-11M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/12/2010	6030557	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	83	< 0.8	500	26	< 1	610.5
7/18/2011	6348762	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.1 J	60	< 0.8	370	20	< 1	452.1
7/10/2012	6716079	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.4 J	27	< 0.8	270	15	< 1	313.4
7/2/2013	7117036	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.3 J	< 0.8	81	4.4 J	< 1	89.7
7/9/2014	7527874	8260	< 0.5	21	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	2.3	< 0.5	< 0.5	23.3
7/6/2015	7956058	SW8260C	< 0.5	2.2	< 0.5	< 0.5	< 2	1	38	< 0.5	380	23	< 0.5	444.2
12/12/2016	240-73361-3	8260C	< 2.5	0.98 J	< 2.5	< 2.5	3.6	< 2.5	3.3	< 2.5	62	1.5 J	< 2.5	71.38

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-12M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1987		8260	< 0.4	< 2	11	< 0.8	< 0.2	< 5	95	13	80	< 5	4.8	203.8
4/1/1987		8260	< 0.2	< 0.2	7	< 0.2	< 0.2	< 5	91	7.8	130	< 5	< 0.2	235.8
7/1/1987		8260	< 20	< 400	250	< 40	61	< 5	11000	490	10000	< 5	62	21863
10/1/1987		8260	< 20	< 50	120	10	10	< 5	1600	140	9900	< 5	44	11824
2/1/1988		8260	< 1	< 4	15	< 2	< 1	< 5	280	20	890	< 5	13	1218
8/1/1988		8260	< 1	< 1	46	< 1	< 1	< 5	390	56	840	< 5	76	1408
11/1/1988		8260	< 10	< 10	120	38	< 10	< 5	6600	270	2200	< 5	1400	10628
1/1/1989		8260	< 1.2	< 5	47	7	0.8	23	700	80	870	< 0.3	28	1755.8
4/1/1989		8260	< 0.1	< 0.05	7	1.5	< 0.1	1.4	40	< 0.03	150	< 0.03	< 0.2	199.9
7/1/1989		8260	< 1.2	< 0.5	21	1.3	< 2.5	< 1	370	< 0.3	570	< 0.3	55	1017.3
10/1/1989		8260	< 25	< 13	160	23	< 25	14	1000	230	2500	< 7.5	100	4027
1/1/1990		8260	< 25	< 13	38	< 25	< 130	< 25	440	31	890	< 7.5	< 25	1399
4/1/1990		8260	< 5	< 2.5	25	< 5	< 25	< 5	240	26	410	< 1.5	< 5	701
7/1/1990		8260	< 5	< 2.5	41	< 5	< 25	< 5	490	29	640	< 1.5	32	1232
10/1/1990		8260	< 5	< 2.5	2200	73	< 5	17	1100	210	2200	< 1.5	75	5875
1/1/1991		8260	< 5	< 2.5	46	7.6	< 25	5	380	43	810	< 1.5	14	1305.6
5/1/1991		8260	< 120	< 50	< 70	< 130	< 25	< 100	370	42	910	< 30	< 180	1322
7/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	220	130	970	< 30	< 180	1320
10/1/1991		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	6600	< 300	7800	< 300	< 1800	14400
1/1/1992		8260	< 240	< 100	360	< 260	< 500	< 200	5800	540	8600	< 60	< 360	15300
4/1/1992		8260	< 240	< 100	< 140	< 260	< 500	< 200	580	< 60	1600	< 60	< 360	2180
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	570	< 100	1200	< 30	< 180	1770
10/1/1992		8260	< 12	< 5	14	< 13	< 25	< 10	310	27	810	< 3	< 18	1161
1/1/1993		8260	< 12	< 5	50	< 13	< 25	< 10	440	20	670	< 3	< 18	1180
3/30/1993		8260	< 12	< 5	58	19	< 25	15	2400	39	560	< 3	440	3531
6/3/1993		8260	< 12	< 5	120	56	30	78	12000	95	2200	< 3	1100	15679
6/28/1993		8260	< 24	< 10	120	< 26	< 50	42	5800	100	590	< 6	490	7142
7/18/2002	A2732704	8021	< 1.2	< 1	1	< 1	< 2.5	< 1	30	1.4	74	< 1	< 1.8	106.4
7/2/2003	A3639710	8021	< 1.2	< 1	8.3	1.8	< 2.5	3.8	87 D	26	82	< 1	< 1.8	208.9
6/29/2004	A4614512	8021	< 2.9	< 1	4	< 1.6	< 2.5	2.7	71	8.3	240	< 1	< 1.8	326
7/8/2005	A5715203	8260/5M	< 1.2	< 1	0.56 J	< 1	< 2.5	< 1	7.3	1.1	30	< 1	< 1.8	38.96
7/18/2006	6G19003-15	8260	< 1	< 1	9	3	5 B	4	164	8	581 D	< 1	6	780
7/9/2007	7G10002-04	8260	< 1	< 1	1	< 1	< 2	< 1	20	2	77	< 1	< 2	100
7/16/2008	5417452	8260	< 2	< 1.6	69	13	< 4	7.8 J	560	110	1600	< 1.6	17	2376.8
7/13/2009	5722292	8260	< 2	< 1.6	37	4.3 J	< 4	7.1 J	290	78	660	< 1.6	< 2	1076.4
7/12/2010	6030550	8260	< 2	< 1.6	34	8.5 J	< 4	6.4 J	370	64	1700	< 1.6	2.1 J	2185
7/13/2011	6343978	8260	< 2	< 1.6	8.9 J	2.7 J	< 4	3.2 J	120	14	650	< 1.6	< 2	798.8
7/16/2012	6722027	8260	< 1	< 0.8	29	7.8	< 2	8.6	280	35	1700	< 0.8	< 1	2060.4
7/9/2013	7122571	8260	< 1	< 0.8	4.7 J	1.8 J	< 2	2.1 J	80	8.8	490	< 0.8	< 1	587.4
7/8/2014	7526296	8260	< 0.5	< 0.5	2.4	1.1	< 2	1.5	53	2.7	320	< 0.5	< 0.5	380.7
7/8/2015	7960011	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1	< 0.5	7.9	< 0.5	< 0.5	8.9

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-13M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1987		8260	< 2	< 40	5.2	2.8	< 1	< 5	1800	8	160	< 5	54	2030
4/1/1987		8260	< 1	< 40	21	20	960	< 5	5000	28	640	< 5	840	7509
7/1/1987		8260	< 4	< 100	33	25	< 2	< 5	4600	37	280	< 5	270	5245
10/1/1987		8260	< 5	< 200	27	14	< 1	< 5	6900	37	640	< 5	200	7818
2/1/1988		8260	< 4	< 200	62	36	< 4	< 5	8800	39	570	< 5	510	10017
8/1/1988		8260	< 4	< 4	970	39	< 4	< 5	14000	48	670	< 5	1100	16827
11/1/1988		8260	< 20	< 40	110	63	47	< 5	21000	79	910	< 5	1400	23609
4/1/1989		8260	< 0.1	< 0.05	19	13	< 0.1	9.1	1800	< 0.03	210	< 0.03	170	2221.1
7/1/1989		8260	< 10	< 5	50	31	< 10	31	6300	< 3	430	< 3	730	7572
10/1/1989		8260	< 50	< 25	62	57	< 50	47	7700	< 15	500	< 15	730	9096
1/1/1990		8260	< 50	< 25	59	62	< 250	59	7800	< 15	450	< 15	500	8930
4/1/1990		8260	< 25	< 13	33	< 25	< 130	< 25	4700	< 7.5	150	< 7.5	370	5253
7/1/1990		8260	< 250	< 125	< 175	< 250	< 1300	< 250	11000	< 75	710	< 75	2300	14010
10/1/1990		8260	< 25	< 13	80	49	< 25	40	10000	210	270	< 7.5	980	11629
1/1/1991		8260	< 25	< 13	< 18	< 25	< 130	< 25	8000	110	220	< 7.5	500	8830
5/1/1991		8260	< 240	< 100	< 140	< 260	< 500	< 200	7100	< 60	< 240	< 60	830	7930
7/1/1991		8260	< 240	< 100	< 140	< 260	< 500	< 200	8700	< 60	300	< 60	810	9810
10/1/1991		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	7700	< 300	< 1200	< 300	< 1800	7700
1/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	4000	< 30	220	< 30	300	4520
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	8300	< 30	1500	< 30	1500	11300
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	4600	< 100	< 120	< 30	650	5250
10/1/1992		8260	< 12	< 5	61	28	< 25	14	6600	40	670	< 3	600	8013
1/1/1993		8260	< 12	< 5	37	15	< 25	14	3300	14	160	< 3	250	3790
3/29/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	1200	< 5	< 12	< 3	300	1500
5/5/1993		8260	< 12	< 5	92	65	< 25	54	1000	16	140	< 3	2700	4067
6/3/1993		8260	< 12	< 5	91	70	35	84	9200	16	110	< 3	9500	19106
6/28/1993		8260	< 120	< 50	150	< 130	< 250	100	11000	70	300	< 30	3400	15020
8/5/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	10000	< 50	< 160	< 30	1700	11700
10/7/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	10000	< 50	< 120	< 30	2000	12000
7/7/1994		8260	< 1.2	< 0.5	50	39	< 2.5	39	7500 E	4.8	240	< 0.3	660	8532.8
6/27/1995		8260	< 40	< 40	< 40	< 40	< 40	< 40	3200	< 40	200	< 40	< 80	3400
7/16/1996		8260	< 120	< 50	< 100	< 70	< 250	< 100	4000	< 64	410	< 79	< 180	4410
7/9/1997		8260	< 120	< 78	< 100	< 70	< 250	< 100	1300	< 64	280	< 79	< 180	1580
7/24/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	1700	< 64	310	< 79	< 180	2010
7/19/1999		8260	< 12	< 5	< 10	< 7	< 25	43	1300	< 6.4	280	< 7.9	< 18	1623
7/11/2000	A0483108	8021	< 1.2	< 1	5.8	3.4	< 2.5	21	510	0.57 J	120	< 1	0.76 J	661.53
4/19/2001	A1361310	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	2.6	67	< 1.1	12	< 1.1	< 1.8	81.6
7/12/2001	A1663807	8021	< 4	7.6	< 4	< 4	5.5	14	720	< 4	120	< 4	< 4	867.1
7/16/2002	A2722911	8021	< 4	< 4	< 4	< 4	14	18	1000	< 4	140	< 4	< 4	1172
4/22/2003	A3376301	8021	< 14	< 4.6	< 5	< 8.2	22	14	1400	< 9.3	1400	< 16	82	2918
7/18/2003	A3689003	8021	< 14	< 4.6	10	< 8.2	< 18	12	1300	< 9.3	470	< 16	48	1840
10/22/2003	A3A21905	8021	< 14	< 2.5	12	< 8.2	< 4.5	10	1600	< 3	310	< 1.1	71	2003
4/27/2004	A4387501	8021	< 14	< 2.5	< 2.1	< 8.2	< 4.5	16	1100	< 3	89	< 1.1	34	1239
7/13/2004	A4663801	8021	< 12	42	16	19	30	27	950	< 2.4	200	< 1	40	1324
10/13/2004	A4A09403	8021	< 1	< 1	18	5.8	1.5 B	14	760 D	2.4	250 D	< 1	21	1072.7
4/19/2005	A5387404	8260	< 1.9	< 3.2	21	6.9	< 4	10	1100 D	2.6	440 D	< 2.5	22	1602.5
7/21/2005	A5768401	8260/5M	< 2.7	< 3.4	8.5	8.4	< 4.4	24	640 D	< 2.6	300	< 3.6	9	989.9

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B - The analyte is present in the associated method blank.
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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-13M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/20/2005	A5B92004	8260	< 2.7	< 3.4	6.7	< 2.9	6.5 B	20	640 D	< 2.6	210	< 3.6	13	896.2
1/24/2006	A6089113	8260	< 1.2	< 1.3	2.8	< 1.2	4.2	2.3	230	< 1	81	< 1.4	4.7	325
4/18/2006	6D19002-03	8260	< 1	< 1	3	1	< 2	5	321 D	< 1	137	< 1	5	472
7/14/2006	6G14010-05	8260	< 1	< 1	7	5	9	20	838 D	< 1	202	< 1	59	1140
10/11/2006	6J12003-01	8260	< 1	< 1	3	2	< 2	8	368 D	< 1	73	< 1	19	473
1/10/2007	7A11003-05	8260	< 1	< 1	2	< 1	< 2	2	225 D	< 1	84	< 1	7	320
4/12/2007	7D13007-01	8260	< 1	< 1	1	< 1	< 2	3	152	< 1	63	< 1	8	227
7/12/2007	7G13019-08	8260	< 1	< 1	3	2	< 2	10	437 D	< 1	127	< 1	25	604
10/9/2007	7J10006-02	8260	< 4	< 4	< 4	< 4	< 8	9	413	< 4	122	< 4	27	571
1/8/2008	8A09005-01	8260	< 5	< 5	< 5	< 5	< 10	< 5	241	< 5	59	< 5	< 10	300
4/10/2008	8D11008-03	8260	< 5	< 5	7	< 5	12	6	536	< 5	456	< 5	18	1035
7/24/2008	5424627	8260	< 1	< 0.8	4.4 J	4.2 J	< 2	14	660	< 0.8	210	< 0.8	33	925.6
10/15/2008	5499970	8260	< 1	< 0.8	3.7 J	2.6 J	< 2	12	470	< 0.8	180	< 0.8	6.1	674.4
1/14/2009	5577590	8260	< 1	< 0.8	4.9 J	2.1 J	< 2	3.6 J	260	3.4 J	270	< 0.8	3.4 J	547.4
4/14/2009	5646770	8260	< 1	< 0.8	5.2	3.1 J	< 2	7	460	3.2 J	460	< 0.8	17	955.5
7/9/2009	5720678	8260	< 1	< 0.8	4.7 J	3.7 J	< 2	14	640	0.92 J	230	< 0.8	39	932.32
10/5/2009	5797965	8260	< 1	< 0.8	4.5 J	3 J	< 2	9.7	520	< 0.8	180	< 0.8	33	750.2
1/25/2010	5892345	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	59	< 0.8	71	< 0.8	1.6 J	131.6
4/13/2010	5953086	8260	< 1	< 0.8	4.2 J	2.6 J	< 2	5.8	360	2.3 J	340	< 0.8	19	733.9
7/14/2010	6032692	8260	< 1	< 0.8	3.3 J	2 J	< 2	8	430	< 0.8	140	< 0.8	24	607.3
10/14/2010	6113372	8260	< 1	< 0.8	6	4.7 J	< 2	18	740	1.2 J	240	< 0.8	13	1022.9
1/25/2011	6191897	8260	< 1	< 0.8	3.4 J	0.8 J	< 2	2.7 J	200	< 0.8	68	< 0.8	4.5 J	279.4
4/18/2011	6261651	8260	< 1	< 0.8	22	4.7 J	< 2	4.8 J	500	3 J	490	< 0.8	15	1039.5
7/12/2011	6342652	8260	< 1	< 0.8	12	3.9 J	< 2	7.4	450	1.5 J	380	< 0.8	16	870.8
10/11/2011	6434702	8260	< 2	< 1.6	8.8 J	5.2 J	< 4	15	770	< 1.6	350	< 1.6	8.6 J	1157.6
1/25/2012	6532442	8260	< 1	< 0.8	47	10	< 2	9.6	780	5.2	870	0.91 J	24	1746.71
4/10/2012	6612005	8260	< 1	< 0.8	2 J	1.6 J	< 2	4.3 J	440	< 0.8	6	< 0.8	140	593.9
7/18/2012	6726437	8260	< 1	< 0.8	7.3	4.3 J	< 2	14	630	0.96 J	260	< 0.8	27	943.56
10/2/2012	6810732	8260	< 1	< 0.8	7.5	4.3 J	< 2	16	770	< 0.8	240	< 0.8	9.9	1047.7
1/22/2013	6931415	8260	< 1	< 0.8	30	4.4 J	< 2	4.8 J	420	5.5	420	< 0.8	15	899.7
4/3/2013	7010220	8260	< 1	< 0.8	21	3.6 J	< 2	4.6 J	370	4 J	380	< 0.8	32	815.2
7/8/2013	7120723	8260	< 1	< 0.8	26	5.2	< 2	4.2 J	460	4.2 J	610	1.5 J	17	1128.1
11/13/2013	7276545	8260	< 1	< 0.8	4.9 J	1 J	< 2	1.2 J	160	1.1 J	190	< 0.8	6.8	365
1/16/2014	7340024	8260	< 1	< 0.8	1.9 J	< 0.8	< 2	< 0.8	96	< 0.8	120	< 0.8	2.7 J	220.6
4/23/2014	7440680	8260	< 0.5	< 0.5	12	4.5	< 2	5.8	510	2.9	650	1.4	20	1206.6
4/23/2014	7440682	8260	< 0.5	< 0.5	12	4.5	< 2	5.8	510	2.9	650	1.4	20	1206.6
7/8/2014	7526286	8260	< 0.5	< 0.5	1.5	0.62 J	< 2	1.6	96	< 0.5	90	< 0.5	3.4	193.12
10/3/2014	7625308	8260	< 0.5	< 0.5	0.98 J	< 0.5	< 2	1.2	91	< 0.5	44	< 0.5	1.3	138.48
1/7/2015	7732746	8260	< 0.5	< 0.5	1.9	0.72 J	< 2	1.4	120	0.87 J	140	< 0.5	8.2	273.09
4/16/2015	7850970	8260	1.4	< 0.5	18	5.8	< 2	5.9	530	7.9	1000	2	14	1585
7/8/2015	7960001	SW8260C	< 0.5	< 0.5	0.77 J	< 0.5	< 2	0.66 J	57	< 0.5	52	< 0.5	3.2	113.63
7/8/2015	7960009	SW8260C	< 0.5	< 0.5	0.77 J	< 0.5	< 2	0.66 J	57	< 0.5	52	< 0.5	3.2	113.63
10/5/2015	8077927	SW8260C	< 0.5	< 0.5	4.5	3	< 2	10	450	1.2	240	< 0.5	16	724.7
1/6/2016	8197846	SW8260C	< 0.5	< 0.5	4.5	2.7	< 2	8.7	450	0.78 J	190	< 0.5	5.8	662.48
12/9/2016	240-73270-18	8260C	< 33	< 33	< 33	< 33	< 33	13 J	750	< 33	260	< 33	< 33	1023

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-14M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	4	< 0.2	130	< 5	< 0.2	134
7/1/1987		8260	< 4	< 5	< 8	< 8	< 4	< 5	160	< 4	7700	< 5	< 10	7860
10/1/1987		8260	< 4	< 8	< 4	< 4	< 4	< 5	110	< 4	6600	< 5	< 8	6710
2/1/1988		8260	< 4	< 4	< 4	< 4	< 4	< 5	64	< 4	2400	< 5	19	2483
8/1/1988		8260	< 4	< 4	< 4	< 4	< 0.4	< 4	< 4	< 4	5300	< 5	< 8	5300
1/1/1989		8260	< 0.1	< 5	0.08	0.6	< 0.1	2.2	46	1.1	2900	< 0.03	< 0.2	2949.98
4/1/1989		8260	< 0.6	400	< 0.4	< 0.2	< 0.5	< 0.5	15	< 0.2	1300	< 0.2	< 0.9	1715
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	19	< 1.3	500	< 0.3	< 1.8	519
10/1/1989		8260	< 25	< 13	< 18	< 25	< 25	< 25	120	< 7.5	7500	< 7.5	< 25	7620
1/1/1990		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	70	< 1.5	1500	2.1	< 5	1572.1
4/1/1990		8260	< 25	< 13	< 18	< 25	< 130	< 25	< 25	< 7.5	75	< 7.5	< 25	75
7/1/1990		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	31	< 1.5	960	< 1.5	< 5	991
10/1/1990		8260	< 25	< 13	< 18	< 25	< 25	< 25	270	< 7.5	22000	< 7.5	< 25	22270
2/1/1991		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	22	3.6	1500	< 1.5	< 5	1525.6
5/1/1991		8260	< 240	< 100	< 140	< 260	< 500	< 200	< 200	< 60	1800	< 60	< 390	1800
7/1/1991		8260	< 240	< 100	< 140	< 260	< 500	< 200	< 200	220	16000	< 60	< 360	16220
10/1/1991		8260	< 60	< 25	< 35	< 65	< 130	< 50	230	< 15	20000	< 15	< 90	20230
1/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	3000	< 30	< 180	3000
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	790	< 30	< 180	790
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	1400	< 30	< 180	1400
10/1/1992		8260	< 1.2	< 0.5	0.7	< 1.3	< 2.5	< 1	15	< 0.3	930	0.6	< 1.8	946.3
1/1/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	26	< 3	610	< 3	< 18	636
3/31/1993		8260	< 6	< 2.5	< 3	< 6.5	< 13	< 5	13	< 2.5	500	< 1.5	< 9	513
6/4/1993		8260	< 12	< 5	< 7	< 13	34	< 10	36	5.9	2300	< 7.5	< 18	2375.9
6/29/1993		8260	< 1.2	0.89	< 0.7	< 1.3	< 2.5	1.8	77	< 0.5	3800	6.5	< 1.8	3886.19
8/5/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	39	< 5	1600	< 3	< 18	1639
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	26	0.63	890	2.4	< 1.8	919.03
7/17/2002	A2732701	8021	< 8	< 8	< 8	< 8	< 8	< 8	160	< 8	730	< 8	< 8	890
7/2/2003	A3639711	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.83 J	39	< 1	260 D	< 1	< 1.8	299.83
6/29/2004	A4614507	8021	< 2.9	< 1	< 1	< 1.6	13	< 1	10	< 1	130	< 1	< 1.8	153
7/8/2005	A5715204	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.8	96	< 1	500 D	9	< 1.8	606.8
7/13/2006	6G14009-04	8260	< 5	< 5	< 5	< 5	< 10	< 5	306	< 5	1500 D	9	17	1832
7/10/2007	7G11015-02	8260	< 10	< 10	< 10	< 10	< 20	< 10	67	< 10	541	11	< 20	619
7/21/2008	5420898	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	130	< 0.8	300	3.9 J	< 1	435
7/18/2011	6348761	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	64	< 0.8	360	4.3 J	< 1	429.4
7/9/2013	7122569	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	28	< 0.8	54	< 0.8	< 1	82
7/9/2014	7527873	8260	< 0.5	18	< 0.5	< 0.5	< 2	< 0.5	5.8	< 0.5	51	< 0.5	0.58 J	75.38
7/6/2015	7956059	SW8260C	< 0.5	3.5	< 0.5	< 0.5	< 2	0.56 J	25	< 0.5	220	3.8	< 0.5	252.86
12/12/2016	240-73361-4	8260C	< 5.0	< 5.0	< 5.0	< 5.0	8	< 5.0	5.4	< 5.0	110	< 5.0	< 5.0	123.4

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-15M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
2/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.2	0
8/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.4	0
11/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	9	< 5	< 0.2	9
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	1	< 0.03	5.8	< 0.03	< 0.2	6.8
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	< 1	< 0.03	0.4	< 0.03	< 0.2	0.4
7/1/1989		8260	< 1.2	0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.2	< 1.2	< 0.3	< 1.8	1.7
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	1.2	< 1	< 0.3	< 1	1.2
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	0.5	< 1	< 0.3	< 1	0.5
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	0.3	< 1.8	0.3
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.7 A	< 1.2	< 0.3	< 1.8	0.7
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.31	< 1.2	< 0.3	< 1.8	0.31
4/2/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.62 *	< 1.2	< 0.3	< 1.8	0.62
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.6	1.6	< 1	< 2	3.2
7/17/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/11/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/19/2000	A0508906	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2001	A1663802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/9/2002	A2695507	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
8/5/2002	A2793603	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.4	< 1	< 1.8	1.4
7/15/2003	A3670606	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2004	A4674101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2004	A4674101	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2005	A5762203	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-12	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2007	7G18027-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/21/2008	5420897	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719628	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036144	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2011	6342642	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717355	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717356	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123810	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534310	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-15M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/9/2015	7962638	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-16M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
2/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	1.1	< 5	< 0.2	1.1
8/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	3	< 0.2	< 0.2	< 5	< 0.2	3
11/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	2	< 5	< 0.2	2
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	< 1	< 0.03	3	< 0.03	< 0.2	3
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	< 1	< 0.03	7.7	< 0.03	< 0.2	7.7
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	1.2	< 0.3	< 1.8	1.2
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1990		8260	< 1	0.7	< 0.7	< 1	< 5	< 1	< 1	< 0.3	4.2	< 0.3	< 1	4.9
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	3	< 0.3	< 1	< 0.3	< 1	3
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	7.7	1.6	0.3	< 1	9.6
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	2.4	< 1.2	< 0.3	< 1.8	2.4
7/17/2002	A2732702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.3	< 1	< 1.8	2.3
7/2/2003	A3639712	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	4.7	< 1	< 1.8	4.7
6/29/2004	A4614510	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2005	A5715205	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.77 J	< 1	< 1.8	0.77
7/13/2006	6G14009-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/18/2007	7G19011-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418429	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719617	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2010	6030553	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/25/2011	6355558	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	< 0.8	< 1	< 0.8	< 1	1.1
7/10/2012	6716069	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.2 J	< 0.8	< 1	< 0.8	< 1	1.2
7/9/2013	7122570	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2014	7529504	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/13/2015	7965565	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/12/2016	240-73361-5	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	2.5	< 1.0	0.69 J	< 1.0	< 1.0	3.52

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-17M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 200	< 200	280	580	45	< 5	170000	350	160000	< 5	26000	357255
12/1/1988		8260	< 500	< 500	< 500	< 1000	2300	< 5	65000	< 500	150000	< 5	< 1500	217300
1/1/1989		8260	< 20	< 5	< 14	< 26	< 20	< 20	21000	1000	21000	< 6	< 1100	43000
4/1/1989		8260	< 3	< 1.2	260	120	< 2.5	< 78	16000	240	35000	< 0.8	1000	52620
7/1/1989		8260	< 200	< 100	280	98	< 200	< 200	16000	500	17000	< 60	2200	36078
10/1/1989		8260	< 200	< 100	880	750	< 200	440	83000	740	140000	< 60	7600	233410
1/1/1990		8260	< 100	< 50	360	< 100	< 500	140	13000	330	13000	< 30	1200	28030
4/1/1990		8260	< 250	< 130	210	< 250	< 1300	< 250	14000	< 75	15000	< 75	< 250	29210
7/1/1990		8260	< 250	< 130	360	< 250	< 1300	< 250	30000	500	29000	< 75	2900	62760
10/1/1990		8260	< 250	< 130	1600	730	< 250	680	77000	1700	89000	< 250	7500	178210
1/1/1991		8260	< 50	< 25	100	< 50	< 250	< 50	8900	270	9800	< 15	820	19890
5/1/1991		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	11000	300	23000	< 300	< 1800	34300
7/1/1991		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	58000	450	48000	440	4900	111790
10/1/1991		8260	< 1200	< 500	700	< 1300	< 2500	< 1000	70000	< 300	65000	< 300	16000	151700
1/1/1992		8260	< 6000	< 2500	< 3500	< 6500	< 13000	< 5000	130000	< 1500	160000	< 1500	12000	302000
4/1/1992		8260	< 6000	< 2500	< 3500	< 6500	< 13000	< 5000	23000	< 1500	29000	< 1500	< 9000	52000
7/1/1992		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	29000	< 1500	31000	< 300	< 1800	60000
10/1/1992		8260	< 120	< 50	320	160	< 250	150	42000	170	83000	< 30	3300	129100
1/1/1993		8260	< 300	< 130	530	330	< 630	270	67000	210	100000	< 75	7000	175340
3/29/1993		8260	< 120	< 50	150	340	< 250	130	51000	67	72000	< 30	3900	127587
5/5/1993		8260	< 120	< 50	< 70	< 130	440	< 100	16000	52	160000	< 30	800	177292
6/3/1993		8260	< 120	< 50	< 70	< 130	460	130	24000	< 50	230000	< 30	1300	255890
6/28/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	< 1000	250000	< 500	370000	< 300	8100	628100
8/5/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	1000	130000	< 500	83000	< 300	12000	226000
9/1/1993		8260	< 1200	< 500	< 700	< 1300	< 2500	1000	210000	< 500	160000	< 300	13000	384000
10/7/1993		8260	< 1200	730	< 700	< 1300	< 2500	< 1000	230000	< 500	180000	< 300	10000	420730
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	790 *	< 1	300000	< 0.5	160000	< 0.3	44000	504790
4/8/1994		8260	< 1.2	< 0.5	2.9	16	< 2.5	17	2200	2.4	8100	< 0.3	430	10768.3
7/6/1994		8260	< 1.2	< 0.5	59	89	< 2.5	110	18000	17	16000	0.54	3300	37575.54
10/7/1994		8260	< 120	< 50	< 70	200	< 250	100	8900	< 50	15000	< 30	930	25130
1/25/1995		8260	< 20	< 20	< 20	< 20	< 20	21	2400	< 20	3000	< 20	160	5581
4/5/1995		8260	< 200	< 200	< 200	< 200	< 200	< 200	7500	< 200	25000	< 200	< 400	32500
10/10/1995		8260	< 120	< 50	< 100	< 70	< 250	< 100	960	< 64	6200	< 79	< 180	7160
1/11/1996		8260	< 120	< 50	< 100	< 70	< 250	< 100	8100	< 64	9000	< 79	220	17320
4/2/1996		8260	< 120	< 50	< 100	< 70	< 250	< 100	5200	< 64	8000	< 79	< 180	13200
7/15/1996		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	23000	< 640	27000	< 790	< 1800	50000
10/4/1996		8260	< 1200	630	< 1000	< 700	< 2500	< 1000	14000	< 640	26000	< 790	< 1800	40630
1/29/1997		8260	< 120	< 50	< 100	< 70	< 250	< 100	3200	< 64	5300	< 79	< 180	8500
4/17/1997		8260	< 120	< 50	< 100	< 70	< 250	< 100	5300	< 64	8200	< 79	< 180	13500
7/15/1997		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	15000	< 640	33000	< 790	< 1800	48000
10/24/1997		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	17000	< 640	34000	< 790	< 1800	51000
1/21/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	4400	< 64	5900	< 79	< 180	10300
4/23/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	3000	< 64	7500	< 79	< 180	10500
7/31/1998		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	25000	< 640	52000	< 790	< 1800	77000
8/5/1998		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	23000	< 640	64000	< 790	< 1800	87000
8/11/1998		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	23000	< 640	89000	< 790	< 1800	112000
8/18/1998		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	9100	< 640	31000	< 790	< 1800	40100

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J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-17M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/25/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	2000	< 64	7900	< 79	< 180	9900
10/12/1998		8260	< 120	< 50	< 100	< 70	< 250	< 100	3500	< 64	10000	< 79	< 180	13500
4/15/1999		8260	< 120	110 J	< 100	< 70	< 250	< 100	1800	< 64	4200	< 79	< 180	6110
7/22/1999		8260	< 1200	< 500	< 1000	< 700	< 2500	< 1000	3600	< 640	19000	< 790	< 1800	22600
10/15/1999		8260	< 40	< 40	< 40	< 40	78	< 40	1600	< 40	4300	< 40	< 40	5978
1/12/2000	A0026405	8021	< 160	< 160	< 160	< 160	360	< 160	3100	< 160	22000	< 160	< 160	25460
4/18/2000	A0259409	8021	< 160	< 160	< 160	< 160	< 160	< 160	2900	< 160	7400	< 160	< 160	10300
7/20/2000	A0508912	8021	< 80	< 80	< 80	< 80	< 80	< 80	1200	< 80	2500	< 80	< 80	3700
10/20/2000	A0754604	8021	< 80	< 80	< 80	< 80	< 80	< 80	2500	< 80	11000	< 80	< 80	13500
1/13/2001	A1041308	8021	< 80	< 80	< 80	< 80	< 80	< 80	3100	< 80	8000	< 80	< 80	11100
4/20/2001	A1366401	624	< 1.2	< 1.5	100 E	9.7	< 2.5	30	1500 D	9.4	5300 D	3.6	6.1	6958.8
7/11/2001	A1648713	8021	< 80	< 80	< 80	< 80	180	< 80	3700	< 80	8400	< 80	< 80	12280
10/16/2001	A1A17410	8021	< 800	< 800	< 800	< 800	1000	< 800	2600	< 800	29000	< 800	< 800	32600
1/25/2002	A2081503	8021	< 80	140	< 80	< 80	140	< 80	4500	< 80	2800	< 80	91	7671
4/22/2002	A2391101	8021	< 50	< 50	< 50	< 50	76	< 50	12000	< 50	4300	< 50	2100	18476
7/17/2002	A2732601	8021	< 100	< 100	< 100	< 100	160	< 100	8600	< 100	5500	< 100	1800	16060
10/15/2002	A2A23603	8021	< 800	< 800	< 800	< 800	1000	< 800	49000	< 800	17000	< 800	4300	71300
1/24/2003	A3075207	8021	< 140	< 46	< 50	< 82	190	< 77	12000	< 93	7100	< 160	2600	21890
4/23/2003	A3376304	8021	< 140	< 46	< 50	< 82	< 180	< 77	12000	< 93	4400	< 160	1400	17800
7/22/2003	A3699406	8021	< 140	< 46	< 50	< 82	< 180	< 77	13000	< 93	3800	< 160	1100	17900
10/22/2003	A3A28302	8021	< 140	< 25	< 21	< 82	170	< 50	20000	< 30	2500	< 11	2600	25270
1/21/2004	A4053403	8021	< 140	< 25	< 21	< 82	< 45	< 50	7800	< 30	5600	< 11	620	14020
4/28/2004	A4387504	8021	< 140	< 25	< 21	< 82	< 45	< 50	8100	< 30	5300	< 11	700	14100
7/9/2004	A4647102	8021	< 140	< 25	120	220	< 45	< 50	14000	< 30	3500	< 11	1600	19440
10/8/2004	A4994203	8021	< 250	< 250	< 250	< 250	< 1200	< 250	7700	< 250	3300	< 250	640	11640
1/18/2005	A5051102	8260	< 48	< 80	100	52	< 99	< 81	9600	< 63	7800	< 64	1300	18852
4/19/2005	A5387401	8260	< 48	< 80	< 95	< 47	< 99	< 81	12000 D	< 63	6900	< 64	1300	20200
7/21/2005	A5768404	8260/5M	< 53	< 67	110	< 59	< 88	130	15000	< 53	8600	< 73	1500	25340
10/21/2005	A5B92803	8260	< 1.2	< 1	69	43	< 2.5	60	9500 D	140 D	8900 D	0.98 J	1000 D	19712.98
1/26/2006	A6102401	8260	< 27	< 34	67	< 29	< 44	< 33	4300	< 26	8400	< 36	470	13237
4/19/2006	6D20002-04	8260	< 20	< 20	48	39	< 40	60	9570 D	< 20	7730 D	< 20	1210	18657
7/18/2006	6G19003-05	8260	< 25	< 25	72	40	212 B	61	8250 D	34	8170 D	< 25	1320	18159
10/9/2006	6J10002-09	8260	< 25	< 25	66	28	129	36	6730 D	175	12000 D	< 25	798	19962
1/9/2007	7A10006-08	8260	< 25	< 25	< 25	< 25	227	< 25	5190	< 25	12800 D	< 25	372	18589
4/12/2007	7D13007-03	8260	< 100	< 100	< 100	< 100	< 200	< 100	3100	< 100	3100	< 100	475	6675
7/16/2007	7G17015-01	8260	< 100	< 100	< 100	< 100	< 200	< 100	8490	< 100	2940	< 100	1510	12940
10/9/2007	7J10006-08	8260	< 100	< 100	< 100	< 100	277	< 100	12300	< 100	3150	< 100	2540	18267
1/7/2008	8A08003-10	8260	< 100	< 100	129	< 100	350	< 100	4910	< 100	3070	< 100	718	9177
4/9/2008	8D10002-02	8260	< 50	< 50	184	< 50	468	< 50	5820	70	2530	< 50	1020	10092
7/25/2008	5426027	8260	< 10	< 8	71	44 J	< 20	45 J	8000	11 J	3800	< 8	1300	13271
10/14/2008	5498684	8260	< 10	< 8	100	50 J	< 20	52	11000	10 J	3900	< 8	1500	16612
1/14/2009	5577592	8260	< 5	< 4	180	39	< 10	34	5900	49	2800	5.8 J	910	9917.8
4/15/2009	5647720	8260	< 10	< 8	210	49 J	< 20	35 J	6600	75	3900	9.4 J	750	11628.4
7/7/2009	5718470	8260	< 5	< 4	120	50	< 10	62	14000	20 J	3700	< 4	2200	20152
10/7/2009	5800387	8260	< 1	< 0.8	84	52	< 2	44	7500	12	4900	2.3 J	960	13554.3
1/20/2010	5888921	8260	< 10	< 8	220	39 J	< 20	32 J	6300	67	3000	< 8	620	10278
4/12/2010	5951990	8260	< 10	< 8	260	65	< 20	39 J	7400	93	7900	14 J	820	16591
7/14/2010	6032688	8260	< 10	< 8	110	46 J	< 20	53	14000	14 J	4300	< 8	1700	20223
10/14/2010	6113376	8260	< 10	< 8	35 J	26 J	< 20	27 J	8600	< 8	4500	< 8	940	14128
1/25/2011	6191890	8260	< 10	< 8	90	35 J	< 20	42 J	7400	15 J	6100	< 8	720	14402

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Well ID: **B-17M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/19/2011	6263087	8260	< 5	< 4	36	29	< 10	54	14000	21 J	5300	< 4	1400	20840
7/13/2011	6343974	8260	< 10	< 8	150	47 J	< 20	47 J	11000	32 J	6600	< 8	1200	19076
10/12/2011	6435901	8260	< 10	< 8	52	32 J	< 20	36 J	8500	< 8	6800	< 8	890	16310
1/16/2012	6523837	8260	< 10	< 8	130	40 J	< 20	35 J	7200	21 J	6100	< 8	790	14316
4/9/2012	6610602	8260	< 10	< 8	45 J	35 J	< 20	48 J	8900	< 8	7800	< 8	1200	18028
7/18/2012	6726431	8260	< 10	< 8	170	67	< 20	69	15000	20 J	6300	< 8	2200	23826
10/2/2012	6810730	8260	< 10	< 8	95	49 J	< 20	46 J	12000	9.1 J	4600	< 8	1600	18399.1
1/23/2013	6932578	8260	< 10	< 8	66	42 J	< 20	40 J	8000	15 J	6500	< 8	960	15623
4/4/2013	7011179	8260	< 5	< 4	54	36	< 10	41	9900	7.9 J	7900	< 4	1200	19138.9
7/8/2013	7120732	8260	< 2	< 1.6	76	47	< 4	51	10000	14	5200	4.1 J	1200	16592.1
11/12/2013	7275077	8260	< 10	< 8	75	47 J	< 20	50 J	11000	15 J	6700	< 8	1400	19287
1/16/2014	7340032	8260	< 10	< 8	110	34 J	< 20	31 J	6200	22 J	4200	10 J	500	11107
4/16/2014	7433449	8260	< 5	< 5	77	39	< 20	34	6300	17	8300	7.7 J	660	15434.7
7/11/2014	7531034	8260	< 5	< 5	83	40	< 20	34	7700	20	4600	15	1200	13692
10/6/2014	7626653	8260	< 2.5	< 2.5	63	30	< 10	26	5300	12	3100	11	1100	9642
1/7/2015	7732756	8260	< 2.5	< 2.5	120	32	< 10	21	4200	36	3100	18	470	7997
4/20/2015	7856493	8260	< 0.5	< 0.5	160	54	< 2	29	4400	36	3600	23	360	8662
7/7/2015	7958383	SW8260C	< 1	< 1	95	23	< 4	20	3300	17	2400	13	760	6628
10/5/2015	8077933	SW8260C	< 5	< 5	70	36	< 20	29	5700	50	6800	5.2 J	530	13220.2
1/5/2016	8197712	SW8260C	< 5	< 5	48	28	< 20	20	4300	39	6400	< 5	350	11185
12/9/2016	240-73270-19	8260C	< 200	< 200	< 200	< 200	150 J	< 200	4100	< 200	3200	< 200	1500	8950

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-18M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 0.2	0.6	< 0.2	< 0.2	< 1	< 0.2	< 0.2	< 0.2	1	< 5	< 0.2	1.6
12/1/1988		8260	< 0.5	< 0.5	< 0.5	< 1	2.3	< 5	1.4	< 0.5	5.2	< 5	< 2	8.9
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	1	< 0.03	61	< 0.03	< 0.2	62
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	< 1	< 0.03	< 0.1	< 0.03	< 0.2	0
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.5	0
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	2.8	< 1	< 1	< 0.3	< 1	< 0.3	< 1	2.8
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	230	< 1	< 0.3	< 1	230
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	0.87	< 1.3	< 2.5	< 1	8.3	1.1	1.7	< 0.3	< 1.8	11.97
3/30/1993		8260	< 1.2	< 0.5	0.87	< 1.3	< 2.5	< 1	7.2	< 0.5	< 1.2	< 0.3	< 1.8	8.07
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.3	26	3.9	5.5	< 0.3	< 1.8	36.7
10/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	8.8	< 0.5	25	< 0.3	< 1.8	33.8
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.3	40	< 0.5	120	< 0.3	< 2.8	161.3
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	3	56	< 1	12	5.4	< 2	76.4
7/16/1996		8260	< 1.2	0.8	< 1	< 0.7	< 2.5	2.4	32	< 0.64	9.2	< 0.79	< 1.8	44.4
7/10/1997		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	2.5	53	< 0.64	3.5	< 0.79	< 1.8	59.5
7/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2.1	51	< 0.64	9.7	< 0.79	< 1.8	62.8
7/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.4	29	< 0.64	9	< 0.79	3.5 J	42.9
10/12/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	31	< 1	< 1.2	< 1	7.1	38.1
1/27/2000	A0057803	8021	< 1.2	< 1	1.1	< 1	< 2.5	0.57 J	13	0.35 J	< 1.2	< 1	9.9	24.92
4/18/2000	A0259415	8021	< 1.2	< 1	5.1	< 1	< 2.5	4.8	37	< 1	< 1.2	< 1	9.9	56.8
7/13/2000	A0492201	8021	< 1.2	< 1	0.98 J	< 1	< 2.5	0.36 J	14	< 1	1.2	< 1	7.8	24.34
10/19/2000	A0751319	8021	< 1.2	< 1	1.4	< 1	< 2.5	0.48 J	12	0.32 J	0.24 J	< 1	11	25.44
1/11/2001	A1035105	8021	< 1.2	< 1	2.2	< 1	< 2.5	1.2	12	1.6	< 1.2	< 1	13	30
4/19/2001	A1361313	624	< 0.24	< 0.3	0.38	< 0.28	< 0.5	< 0.36	2.5	< 0.22	0.24	< 0.22	3.4	6.52
7/12/2001	A1663803	8021	< 1.2	< 1	1.9	< 1	< 2.5	0.51 J	12	0.47 J	0.56 J	< 1	15	30.44
10/12/2001	A1A01001	8021	< 1.2	< 1	1	< 1	< 2.5	1	28	< 1	0.71 J	< 1	13	43.71
1/14/2002	A2039402	8021	< 1.2	< 1	0.73 J	< 1	< 2.5	2.4	61 D	< 1	1.8	< 1	17	82.93
4/8/2002	A2332602	8260	< 1.2	< 1	0.59 J	< 1	< 2.5	2.8	56	< 1	1.7	< 1	12	73.09
7/8/2002	A2695503	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.9	59	< 1	< 1.2	< 1	22	82.9
10/2/2002	A2980603	8021	< 1.2	< 1	0.62 J	< 1	< 2.5	2.2	30	< 1	0.82 J	< 1	14	47.64
1/13/2003	A3038004	8021	< 1.2	< 1	0.62 J	< 1	< 2.5	1.4	18	< 1	< 1.2	< 1	14	34.02
4/21/2003	A3370801	8021	< 1.2	< 1	0.44 J	< 1	1.8 J	3.3	78	< 1	4.9	< 1	18	106.44
7/14/2003	A3670602	8021	< 1.2	< 1	< 1	< 1	< 2.5	2.6	78	< 1	< 1.2	< 1.3	12	92.6
10/15/2003	A3998705	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	36	< 1	< 1.2	< 1	19	55
1/7/2004	A4012302	8021	< 1.2	< 1	< 1	< 1	< 2.5	5.7	120	< 1	< 1.2	< 1	6.1	131.8
4/29/2004	A4402301	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.8	26	< 1	< 1.2	< 1	16	43.8

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-18M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/14/2004	A4664201	8021	< 1.2	< 1	< 1	< 1	< 2.5	2.4	13	< 1	< 1.2	< 1	11	26.4
10/15/2004	A4A20701	8021	< 1	< 1	< 1	< 1	1.2	1.4	33	< 1	< 1	< 1	9	44.6
1/12/2005	A5036402	8260	< 1.2	< 1	< 1	< 1	< 2.5	2.9	45	< 1	< 1.2	< 1	9	56.9
4/4/2005	A5307809	8260	< 1.2	< 1	< 1	< 1	< 2.5	4.7	72	< 1	< 1.2	< 1	11	87.7
7/15/2005	A5747001	8260	< 1.2	< 1	< 1	< 1	1.8 J	6.6	75 D	< 1	< 1.2	< 1	32	115.4
7/14/2006	6G14010-03	8260	< 1	< 1	< 1	< 1	< 2	2	23	< 1	1	< 1	9	35
7/5/2007	7G06018-01	8260	< 1	< 1	< 1	< 1	< 2	1	27	< 1	< 1	< 1	11	39
7/23/2008	5423260	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	26	< 0.8	< 1	< 0.8	11	38.1
7/7/2009	5718468	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	< 0.8	< 1	< 0.8	5.5	16.5
7/15/2010	6033922	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.5	< 0.8	< 1	< 0.8	5.4	11.9
7/18/2011	6348765	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.1	< 0.8	< 1	< 0.8	4.6 J	12.7
7/16/2012	6722031	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7	< 0.8	< 1	< 0.8	4 J	11
7/2/2013	7117032	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	29	< 0.8	1.7 J	37.5
7/9/2014	7527877	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1.7	40	< 0.5	4.5	< 0.5	14	60.2
7/13/2015	7965566	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.64 J	16	< 0.5	< 0.5	< 0.5	7.4	24.04
12/8/2016	240-73270-8	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.49 J	16	< 1.0	< 1.0	< 1.0	11	27.49

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-19M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 5	< 1	3
12/1/1988		8260	< 0.5	< 0.5	15	< 1	2.1	< 5	30	14	7.6	< 5	< 2	68.7
1/1/1989		8260	< 0.1	< 5	11	< 0.1	0.2	0.5	27	23	17	< 0.03	4.2	82.9
4/1/1989		8260	< 0.1	< 0.05	66	4.8	< 0.1	0.5	100	70	120	< 0.03	6.9	368.2
7/1/1989		8260	< 1.2	< 0.5	41	2.8	< 2.5	2.1	140	55	320	< 0.3	11	571.9
10/1/1989		8260	< 1	< 0.5	41	2.2	< 1	2.6	100	47	260	< 0.3	3.4	456.2
1/1/1990		8260	< 5	19	150	16	< 25	6.2	220	200	310	< 1.5	31	952.2
4/1/1990		8260	< 5	< 2.5	82	5.9	< 25	< 5	300	140	820	4.6	19	1371.5
7/1/1990		8260	< 5	< 2.5	55	< 5	< 25	5.9	200	100	850	< 1.5	< 5	1210.9
10/1/1990		8260	< 5	< 2.5	89	27	< 5	< 5	180	110	570	< 1.5	< 5	976
1/1/1991		8260	< 10	< 5	150	< 10	< 50	< 10	400	300	890	< 3	24	1764
5/1/1991		8260	< 24	14	31	< 26	< 50	< 20	66	69	370	< 6	< 36	550
7/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	170	940	< 30	< 180	1110
10/1/1991		8260	< 60	< 25	< 35	< 65	< 130	< 50	140	50	510	< 15	< 90	700
1/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	210	19	36	< 3	31	296
4/1/1992		8260	< 120	< 50	97	< 130	< 250	< 100	460	360	1500	< 30	< 180	2417
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	250	< 200	1700	< 30	< 180	1950
10/1/1992		8260	< 1.2	1.8	42	4.1	< 2.5	2.3	200	120	1100	< 0.3	5.3	1475.5
1/1/1993		8260	< 12	< 5	52	< 13	< 25	< 10	280	120	1300	< 3	< 18	1752
3/30/1993		8260	< 12	< 5	45	< 13	< 25	< 10	230	81	600	< 3	< 18	956
5/5/1993		8260	< 2.4	1.2	29	< 4.1	1.1	2.1	220	45	530	< 0.6	< 3.6	828.4
6/3/1993		8260	< 12	< 5	35	< 13	42	< 10	180	63	930	< 3	< 18	1250
6/28/1993		8260	< 12	< 5	24	< 13	< 25	< 10	160	38	410	< 3	< 18	632
8/5/1993		8260	< 1.2	< 0.5	1.3	< 1.3	< 2.5	< 1	17	1.8	18	< 0.3	< 1.8	38.1
10/7/1993		8260	< 1.2	< 0.5	2.6	< 1.3	< 2.5	< 1	37	3.4	21	< 0.3	< 1.8	64
7/7/1994		8260	< 1.2	< 0.5	1.1	< 1.3	< 2.5	< 1	7.8	1.5	8	< 0.3	1.8	20.2
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	2.9	< 1	1.3	< 1	< 2	4.2
7/16/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	1.2	1.6	< 0.79	< 1.8	13.8
7/14/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	4	< 0.64	1.8	< 0.79	< 1.8	5.8
7/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	5	< 0.64	< 1.2	< 0.79	< 1.8	5
7/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	0.79 J	< 1.2	< 0.79	< 1.8	3.79
10/13/1999		8260	< 1.2	< 1	1.9	< 1	< 2.5	< 1	21	1.6	0.84 J	< 1	9.8	35.14
1/27/2000	A0057802	8021	< 1.2	< 1	1	0.32 J	< 2.5	< 1	13	0.77 J	0.48 J	< 1	3.2	18.77
4/20/2000	A0263901	8021	< 1.2	< 1	2	< 1	< 2.5	< 1	23	1.5	2.6	< 1	4	33.1
7/17/2000	A0500404	8021	< 1.2	< 1	0.53 J	< 1	< 2.5	< 1	12	0.4 J	1.1 J	< 1	1.9	15.93
10/19/2000	A0751320	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.4	< 1	< 1.2	< 1	< 1.8	4.4
1/12/2001	A1035110	8021	< 1.2	< 1	1.4	< 1	< 2.5	< 1	6.4	1.5	0.32 J	< 1	1.4 J	11.02
4/19/2001	A1361309	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	1.3	< 0.22	< 0.24	< 0.22	< 0.36	1.3
7/12/2001	A1663806	8021	< 1.2	< 1	0.32 J	< 1	< 2.5	< 1	5.5	0.27 J	0.95 J	< 1	0.56 J	7.6
10/12/2001	A1A01005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	0.25 J	< 1	0.24 J	2.89
1/14/2002	A2039401	8021	< 1.2	< 1	0.25 J	< 1	< 2.5	< 1	3.4	0.25 J	0.98 J	< 1	1 J	5.88
4/8/2002	A2332601	8260	< 1.2	< 1	0.37 J	< 1	< 2.5	< 1	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
7/8/2002	A2695501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.6	< 1	< 1.2	< 1	< 1.8	4.6
10/2/2002	A2980601	8021	< 1.2	< 1	0.32 J	< 1	< 2.5	< 1	4.2	0.36 J	1.1 J	< 1	0.43 J	6.41
1/13/2003	A3038002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.9	< 1	1.4	< 1	0.37 J	4.67
4/22/2003	A3376401	8021	< 1.2	< 1	0.31 J	< 1	< 2.5	< 1	4.6	0.33 J	< 1.2	< 1	0.92 J	6.16
7/14/2003	A3670601	8021	< 1.2	< 1	0.24 J	< 1	< 2.5	< 1	4.9	0.21 J	0.28 J	< 1	0.51 J	6.14

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-19M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/15/2003	A3998704	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.4	< 1	< 1.2	< 1	< 1.8	3.4
1/7/2004	A4012301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	< 1.2	< 1	< 1.8	2.4
4/27/2004	A4387401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.2	< 1	< 1.2	< 1	< 1.8	7.2
7/13/2004	A4664209	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.4	< 1	< 1.2	< 1	< 1.8	5.4
10/13/2004	A4A09501	8021	< 1	< 1	< 1	< 1	< 1	< 1	11	0.57 J	< 1	< 1	1	12.57
1/12/2005	A5036401	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.7	< 1	0.41 J	< 1	0.98 J	5.09
4/4/2005	A5307808	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.7	< 1	0.32 BJ	< 1	0.75 J	4.77
7/21/2005	A5768301	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.3	< 1	< 1.2	< 1	1 J	7.3
10/20/2005	A5B91902	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4	< 1	0.51 J	< 1	0.92 J	5.43
1/24/2006	A6089112	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.2	< 1	0.56 J	< 1	1.3 J	6.06
4/18/2006	6D19002-04	8260	< 1	< 1	< 1	< 1	2	< 1	3	< 1	< 1	< 1	< 2	5
7/14/2006	6G14010-06	8260	< 1	< 1	< 1	< 1	8	< 1	3	< 1	< 1	< 1	< 2	11
10/11/2006	6J12003-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	5	< 1	1	< 1	< 2	6
1/8/2007	7A09003-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
4/12/2007	7D13007-02	8260	< 1	< 1	< 1	< 1	8	< 1	4	< 1	< 1	< 1	< 2	12
7/10/2007	7G11015-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	4	< 1	< 2	7
10/9/2007	7J10006-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	16	< 1	< 2	18
1/7/2008	8A08003-05	8260	< 1	< 1	< 1	< 1	2	< 1	3	< 1	< 1	< 1	< 2	5
4/10/2008	8D11008-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	< 1	< 1	< 2	4
7/16/2008	5417449	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	< 1	< 0.8	< 1	2.5
10/15/2008	5499969	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.8 J	< 0.8	2.2 J	< 0.8	< 1	6
1/14/2009	5577589	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.6 J	< 0.8	< 1	< 0.8	< 1	2.6
4/14/2009	5646769	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.5 J	< 0.8	< 1	< 0.8	1.3 J	4.8
7/9/2009	5720693	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	< 1	< 0.8	< 1	2.8
10/5/2009	5797964	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	< 1	< 0.8	< 1	2.7
1/25/2010	5892344	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.1 J	< 0.8	< 1	< 0.8	< 1	2.1
4/13/2010	5953087	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2 J	< 0.8	< 1	< 0.8	< 1	2
7/14/2010	6032693	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	< 1	< 0.8	< 1	2.8
10/14/2010	6113368	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.9 J	120	< 0.8	25	< 0.8	1.6 J	148.5
1/25/2011	6191896	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	15	< 0.8	1.9 J	< 0.8	< 1	16.9
4/18/2011	6261650	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	< 0.8	< 1	< 0.8	< 1	2.4
7/12/2011	6342653	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	< 1	< 0.8	< 1	2.8
10/11/2011	6434703	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.7 J	< 0.8	< 1	< 0.8	1.1 J	4.8
1/17/2012	6524429	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.9 J	< 0.8	< 1	< 0.8	< 1	2.9
4/10/2012	6612009	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	< 0.8	1.1 J	< 0.8	1.1 J	6.1
1/22/2013	6931416	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.81 J	< 0.8	< 1	< 0.8	< 1	0.81
4/3/2013	7010221	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	1.4 J	< 0.8	< 1	3.9
7/8/2013	7120734	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.9 J	< 0.8	< 1	< 0.8	< 1	2.9
11/13/2013	7276544	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.9 J	< 0.8	2.1 J	< 0.8	< 1	5
1/16/2014	7340025	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.9 J	< 0.8	< 1	5
1/16/2014	7340026	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.9 J	< 0.8	< 1	5
4/24/2014	7442061	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.6	< 0.5	< 0.5	< 0.5	< 0.5	1.6
7/8/2014	7526294	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.8	< 0.5	0.95 J	< 0.5	< 0.5	3.75
10/3/2014	7625309	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.4	< 0.5	< 0.5	< 0.5	0.55 J	2.95
1/7/2015	7732745	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	< 0.5	0.54 J	< 0.5	0.76 J	3.5
4/16/2015	7850971	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.9	< 0.5	3.8	< 0.5	0.55 J	7.25
7/8/2015	7960008	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.1	< 0.5	< 0.5	< 0.5	< 0.5	1.1

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-20M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 5	< 1	3
12/1/1988		8260	< 0.4	< 0.4	< 0.4	< 0.8	3.8	< 0.4	< 0.4	< 0.4	< 0.4	< 5	< 2	3.8
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	0.2	< 0.1	< 0.1	< 0.03	0.5	< 0.03	< 0.2	0.7
4/1/1989		8260	< 0.1	< 0.5	< 0.07	< 0.03	< 0.1	< 0.1	< 0.1	< 0.03	< 0.1	< 0.03	< 0.2	0
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	26	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	26
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1990		8260	< 1	0.6	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0.6
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.9 A	< 1.2	< 0.3	< 1.8	0.9
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/7/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/27/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/10/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/28/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/14/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/28/2000	A0057801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/19/2000	A0259403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.26 J	< 1	< 1.8	0.26
7/11/2000	A0483112	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.67 J	< 1	< 1.8	0.67
10/20/2000	A0754602	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2001	A1043906	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/16/2001	A1345807	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	0
7/13/2001	A1663809	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2001	A1994703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/17/2002	A2058502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/9/2002	A2332612	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/9/2002	A2695510	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980611	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2003	A3043008	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/14/2003	A3347502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2003	A3670608	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/16/2003	A3A08901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2004	A4682902	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/22/2005	A5402101	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-20M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/22/2005	A5778401	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2006	6G19003-10	8260	< 1	< 1	< 1	< 1	6 B	< 1	< 1	< 1	< 1	< 1	< 2	6
7/11/2007	7G12003-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/22/2008	5422165	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720683	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/20/2010	6038211	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/21/2011	6353675	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/17/2012	6723841	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2013	7128198	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2014	7529508	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/6/2015	7956061	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-21M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 1	< 1	< 1	< 1	2	< 5	3.2	< 1	8.2	< 5	< 1	13.4
12/1/1988		8260	< 0.2	< 0.2	< 0.2	< 0.4	1.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 0.6	1.2
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	0.1	< 0.1	< 1	< 0.03	2	< 0.03	< 0.2	2.1
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	2	< 0.03	6.8	< 0.03	< 0.2	8.8
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 0.1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 0.1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1990		8260	< 1	1	< 0.7	< 1	< 5	< 1	24	< 0.3	4.5	< 0.3	< 1	29.5
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	0.3	< 1	< 0.3	< 1	0.3
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	5.7	< 0.3	< 1.2	< 0.3	< 1.8	5.7
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	2.3 A	< 1.2	< 0.3	< 1.8	2.3
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/2/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
4/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/26/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
4/4/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/29/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/17/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/20/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/26/2000	A0275205	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/23/2001	A1375208	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/17/2001	A1A23304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/17/2002	A2058505	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/10/2002	A2347901	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/9/2002	A2695511	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/15/2003	A3356602	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2003	A3670607	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/15/2003	A3998706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/8/2004	A4026305	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2004	A4674102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2004	A4674102	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/18/2004	A4A27801	8021	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	1.7	< 1	< 1	1.7
1/14/2005	A5038301	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.5	< 1	< 1.8	2.5
4/22/2005	A5402104	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/25/2005	A5790301	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/21/2005	A5B92301	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/24/2006	A6089101	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-21M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/13/2006	6D14002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2006	6G18004-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/10/2006	6J11002-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
1/11/2007	7A12004-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/5/2007	7D06002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/18/2007	7G19011-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/11/2007	7J12012-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/9/2008	8A10002-02	8260	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 2	2
4/7/2008	8D08002-02	8260	< 1	< 1	< 1	< 1	10 B	< 1	< 1	< 1	< 1	< 1	< 2	10
7/21/2008	5420899	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/15/2008	5499966	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/13/2009	5576506	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/20/2009	5651170	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/13/2009	5722289	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/6/2009	5799017	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/26/2010	5893229	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/7/2010	5948416	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2010	6033914	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/19/2010	6116884	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/27/2011	6194102	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/13/2011	6258133	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/25/2011	6355562	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/10/2011	6433660	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/18/2012	6526481	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.1 J	< 0.8	< 1	1.1
4/3/2012	6605291	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2012	6728257	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/3/2012	6812014	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/17/2013	6926976	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/9/2013	7016202	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2013	7125533	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
11/14/2013	7278192	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/20/2014	7342593	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2014	7430450	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/14/2014	7532402	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/2/2014	7623661	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2015	7731163	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
4/15/2015	7849420	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
4/15/2015	7849423	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/13/2015	7965572	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/6/2015	8079116	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2016	8197837	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2016	8197849	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/6/2016	240-73125-10	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-22M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 1	< 1	< 1	< 1	3	< 5	220	< 1	23	< 5	< 1	246
12/1/1988		8260	< 1	< 1	< 1	< 2	3.5	< 5	130	< 1	12	< 5	< 3	145.5
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	0.5	24	< 0.03	4.5	< 0.03	2.3	31.3
4/1/1989		8260	< 0.1	67	3.3	2.9	< 0.1	5.3	280	< 0.03	19	< 0.03	3.8	381.3
7/1/1989		8260	< 10	< 5	19	12	< 10	15	2800	17	360	< 3	260	3483
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	17	< 0.3	< 1	< 0.3	< 1	17
1/1/1990		8260	< 1	< 0.5	25	19	< 5	24	4400	< 0.3	750	< 0.3	93	5311
4/1/1990		8260	< 10	< 5	14	< 10	< 50	< 10	1600	< 3	160	< 3	58	1832
7/1/1990		8260	< 10	< 5	< 70	< 10	< 50	< 10	630	< 3	55	< 3	< 10	685
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	48	< 0.3	1.5	< 0.3	< 1	49.5
1/1/1991		8260	< 1	< 0.5	3.3	< 1	< 5	7.2	430	5.5	110	< 0.3	< 1	556
5/1/1991		8260	< 12	< 5	44	23	< 25	35	5000	11	370	< 3	46	5529
7/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	97	3.8	< 12	< 3	< 18	100.8
10/1/1991		8260	< 12	< 5	< 7	< 13	< 25	< 10	540	5.4	43	< 3	< 18	588.4
1/1/1992		8260	< 24	< 10	< 14	< 26	< 50	< 20	660	< 6	54	< 6	< 36	714
4/1/1992		8260	< 24	< 10	21	< 26	< 50	< 20	2800	11	400	< 6	170	3402
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	250	< 200	< 120	< 30	< 180	250
10/1/1992		8260	< 12	< 5	< 7	12	< 25	< 10	4300	9	130	< 3	520	4971
1/1/1993		8260	< 24	< 10	29	< 26	< 50	< 20	2700	9.8	220	< 6	210	3168.8
4/2/1993		8260	< 24	< 10	< 14	< 26	< 50	< 20	2000	< 10	200	< 6	< 36	2200
6/3/1993		8260	< 2.4	< 1	1.6	< 2.6	< 5	4.3	280	< 1	410	< 0.6	< 3.6	695.9
7/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1	120	< 0.5	2.7	< 0.3	< 3.3	123.7
8/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	140	< 0.5	3.8	< 0.3	2.9	146.7
9/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	2.3	110	< 0.5	5.3	< 0.3	4.9	122.5
10/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	150	0.61 *	5.7	< 0.3	< 1.8	156.31
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	2.1	230	< 0.5	16	< 0.3	140	388.1
4/7/1994		8260	< 1.2	< 0.5	13	9.4	< 2.5	26	1900	1.6	160	< 0.3	17	2127
7/6/1994		8260	< 1.2	< 0.5	1.2	< 1.3	2.6 J	4.7	180	< 0.5	19	< 0.3	8.7	216.2
10/6/1994		8260	< 1.2	< 0.5	1.1	2.1	< 2.5	4.5	130	< 0.5	4.4	< 0.3	36	178.1
1/26/1995		8260	< 20	< 20	< 20	< 20	< 20	< 20	1900	< 20	190	< 20	< 40	2090
4/5/1995		8260	< 10	< 10	< 10	< 10	< 10	12	1500	< 10	150	< 10	< 20	1662
6/28/1995		8260	< 2	< 2	< 2	< 2	< 2	5.6	240	< 2	22	< 2	29	296.6
10/10/1995		8260	< 12	< 5	3	1.7	< 25	8	510	< 6.4	60	< 7.9	7.3	590
1/11/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	630	< 6.4	78	< 7.9	33	741
4/4/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	560	< 6.4	4.2	< 7.9	24	588.2
7/17/1996		8260	< 12	8	< 10	< 7	< 25	< 10	270	< 6.4	16	< 7.9	< 18	294
10/3/1996		8260	< 12	7.1	< 10	< 7	< 25	< 10	210	< 6.4	< 12	< 7.9	< 18	217.1
1/28/1997		8260	< 12	< 5	< 10	< 7	< 25	12	890	< 6.4	70	< 7.9	< 18	972
4/17/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	510	< 6.4	46	< 7.9	< 18	556
7/15/1997		8260	< 12	7.6	< 10	< 7	< 25	< 10	420	< 6.4	45	< 7.9	< 18	472.6
10/23/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1	130	< 0.64	8.2	< 0.79	< 1.8	139.2
1/21/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	740	< 6.4	72	< 7.9	< 18	812
4/22/1998		8260	< 12	< 5	< 10	< 7	< 25	14	910	< 6.4	86	< 7.9	< 18	1010
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	4.4	180	< 0.64	21	< 0.79	< 1.8	205.4
10/7/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 10	340	< 0.64	25	< 0.79	< 1.8	365
1/21/1999		8260	< 12	8.1 J	< 10	< 7	< 25	< 10	340	< 6.4	26	< 7.9	< 18	374.1
4/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.3	90	< 0.64	4.7	< 0.79	< 1.8	96

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-22M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	4.1	130	< 0.64	6.5	< 0.79	8.8	149.4
10/12/1999		8260	< 1.2	2.9	< 1	< 1	< 2.5	1.2	180	< 1	5.5	< 1	27	216.6
1/12/2000	A0026402	8021	< 1.2	< 1	< 1	< 1	2.9	< 1	120	< 1	3.4	< 1	2.9	129.2
4/26/2000	A0275203	8021	< 16	< 16	< 16	< 16	< 16	< 16	1400	< 16	220	< 16	< 16	1620
7/18/2000	A0500412	8021	< 1.6	< 1.6	< 1.6	< 1.6	< 2.5	2.3	170	< 1.6	9.7	< 1.6	< 1.8	182
10/19/2000	A0751302	8021	< 1.2	< 1	< 1	< 1	1.1 BJ	< 1	120	< 1	7.8	< 1	5	133.9
1/11/2001	A1035101	8021	< 1.2	1.3	< 1	< 1	4.2	< 1	110	< 1	4.4	< 1	9.6	129.5
4/23/2001	A1375207	8021	< 4	< 4	< 4	< 4	< 4	< 4	510	< 4	50	< 4	< 4	560
7/18/2001	A1682908	8021	< 1.2	< 1	< 1	< 1	2.5	1	130	< 1	13	< 1	7	153.5
10/17/2001	A1A23305	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.5	230	< 1	13	< 1	36	280.5
1/23/2002	A2076701	8021	< 1.2	< 1	7.6	4.6	2.1 J	21	1400 D	< 1	110 D	< 1	9.6	1554.9
4/18/2002	A2378801	8021	< 1.2	< 1	< 1	< 1	0.8 J	< 1	130	< 1	9.2	< 1	36	176
7/15/2002	A2722901	8021	< 1.2	< 1	< 1	< 1	2.2 J	1.4	91	< 1	4.9	< 1	8.1	107.6
10/15/2002	A2A23601	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	79	< 1	6.2	< 1	13	98.2
1/22/2003	A3068901	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.94 J	80	< 1	3.2	< 1	12	96.14
4/24/2003	A3389602	8021	< 1.2	< 1	< 1	< 1	1.6 J	< 1	130	< 1	13	< 1.3	30	174.6
7/17/2003	A3683901	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	140	< 1	5	< 1.6	13	158
10/21/2003	A3A21902	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	160	< 1	5.7	< 1	2.3	168
4/30/2004	A4402503	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	99	< 1	< 1.2	< 1	40	139
7/15/2004	A4674303	8021	< 1.4	< 1	2.2	< 1	< 2.5	3.9 E	170 E	< 1	24	< 1	10 E	367.4
7/15/2004	A4674303	8260	< 1.4	< 1	2.2	< 1	< 2.5	3.9 E	170 E	< 1	24	< 1	10 E	367.4
10/18/2004	A4A27701	8021	< 2	< 2	< 2	< 2	< 10	< 2	90	< 2	13	< 2	< 2	103
1/20/2005	A5057501	8260	< 1.2	< 1	2.8	1.6	< 2.5	16	340 D	0.34 J	56 D	< 1	2.2	418.94
4/26/2005	A5414404	8260	< 1.9	< 3.2	< 3.8	< 1.9	< 4	7	250	< 2.5	33	< 2.5	< 5.9	290
7/25/2005	A5790401	8260/5M	< 1.2	< 1.1	< 1	< 1.2	< 2.5	1.6	110	< 1.1	14	< 1.3	7.8	133.4
10/21/2005	A5B92801	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.61 J	36	< 1	3.9	< 1	1.2 J	41.71
1/24/2006	A6089102	8260	< 1.2	< 1	2.9	1.4	< 2.5	15	460 D	< 1	90	< 1	3.1	572.4
4/19/2006	6D20002-01	8260	< 1	< 1	< 1	< 1	< 2	1	61	< 1	17	< 1	14	93
7/17/2006	6G18004-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	29	< 1	5	< 1	2	36
10/10/2006	6J11002-08	8260	< 1	< 1	< 1	< 1	< 2	1	66	< 1	10	< 1	4	81
1/11/2007	7A12004-02	8260	< 1	< 1	3	< 1	< 2	14	370 D	< 1	89	< 1	< 2	476
4/19/2007	7D20005-01	8260	< 1	< 1	< 1	< 1	< 2	5	136	< 1	35	< 1	5	181
7/18/2007	7G19011-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	26	< 1	5	< 1	< 2	31
10/11/2007	7J12012-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	24	< 1	4	< 1	< 2	28
1/9/2008	8A10002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	17	< 1	3	< 1	3	23
4/8/2008	8D09003-07	8260	< 1	< 1	2	1	6	10	301 D	< 1	95	< 1	2	417
7/21/2008	5420900	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	24	< 0.8	4.9 J	< 0.8	1.2 J	30.1
10/15/2008	5499967	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	29	< 0.8	4.1 J	< 0.8	< 1	33.1
1/13/2009	5576505	8260	< 1	< 0.8	3.1 J	2 J	< 2	14	460	< 0.8	120	< 0.8	1 J	600.1
4/20/2009	5651167	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.8 J	150	< 0.8	39	< 0.8	9.9	202.7
7/13/2009	5722290	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	27	< 0.8	4.8 J	< 0.8	1.6 J	33.4
10/6/2009	5799012	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	70	< 0.8	15	< 0.8	1.1 J	87.6
1/26/2010	5893228	8260	< 1	< 0.8	< 1	< 0.8	< 2	4.8 J	120	< 0.8	44	< 0.8	< 1	168.8
4/19/2010	5957668	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.8 J	110	< 0.8	30	< 0.8	< 1	143.8
7/15/2010	6033915	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	38	< 0.8	7.2	< 0.8	< 1	45.2
10/19/2010	6116887	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	27	< 0.8	6.7	< 0.8	1.9 J	35.6
1/27/2011	6194103	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	64	< 0.8	15	< 0.8	1.3 J	81.6
4/14/2011	6259038	8260	< 1	< 0.8	2.5 J	1 J	< 2	7.7	280	< 0.8	97	< 0.8	< 1	388.2
7/25/2011	6355561	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.3 J	93	< 0.8	26	< 0.8	1.3 J	122.6
10/10/2011	6433661	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.89 J	43	< 0.8	8.5	< 0.8	1.9 J	54.29

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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-22M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/18/2012	6526482	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	4.8 J	120	< 0.8	63	< 0.8	< 1	189
4/10/2012	6612011	8260	< 1	< 0.8	< 1	< 0.8	< 2	4 J	120	< 0.8	20	< 0.8	< 1	144
7/19/2012	6728258	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	42	< 0.8	9.8	< 0.8	< 1	51.8
10/3/2012	6812017	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	36	< 0.8	7.3	< 0.8	< 1	43.3
1/17/2013	6926979	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.4 J	87	< 0.8	35	< 0.8	< 1	125.4
4/9/2013	7016198	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	40	< 0.8	9.1	< 0.8	8.8	57.9
7/11/2013	7125534	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	5.7	150	< 0.8	53	< 0.8	< 1	209.9
11/14/2013	7278191	8260	< 1	< 0.8	1.7 J	< 0.8	< 2	6.6	210	< 0.8	83	< 0.8	< 1	301.3
1/20/2014	7342592	8260	< 1	< 0.8	< 1	< 0.8	< 2	4.9 J	130	< 0.8	41	< 0.8	< 1	175.9
4/24/2014	7442065	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	2.6	67	< 0.5	14	< 0.5	< 0.5	83.6
7/14/2014	7532401	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	19	< 0.5	8.4	< 0.5	1.9	29.3
10/2/2014	7623662	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	20	< 0.5	7.6	< 0.5	0.57 J	28.17
1/6/2015	7731162	8260	< 0.5	< 0.5	1.4	0.68 J	< 2	5.7	180	< 0.5	100	< 0.5	0.57 J	288.35
4/22/2015	7858498	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	2.8	81	< 0.5	29	< 0.5	< 0.5	112.8
7/13/2015	7965571	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.78 J	45	< 0.5	20	< 0.5	1 J	66.78
10/6/2015	8079115	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	28	< 0.5	7.1	< 0.5	0.55 J	35.65
1/6/2016	8197848	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	22	< 0.5	5	< 0.5	0.71 J	27.71
12/6/2016	240-73125-9	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.56 J	37	< 1.0	7.7	< 1.0	2.1	47.36

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-23M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1989		8260	< 0.1	< 5	2.4	2.6	< 0.1	4.7	900	< 0.03	2.6	< 0.03	46	958.3
4/1/1989		8260	< 0.1	< 0.05	4	3.7	< 0.1	< 0.1	720	< 0.03	2.1	< 0.03	66	795.8
7/1/1989		8260	< 1.2	< 0.5	3.5	3.9	< 2.5	3.8	1100	< 0.3	1.5	< 0.3	100	1212.7
10/1/1989		8260	< 10	< 5	< 7	4.7	< 10	14	750	< 3	13	< 3	65	846.7
1/1/1990		8260	< 10	< 5	7.7	< 10	71	20	2300	< 3	71	< 3	86	2555.7
4/1/1990		8260	< 10	< 5	< 7	< 10	< 50	< 10	1100	< 3	63	< 3	37	1200
7/1/1990		8260	< 10	< 5	< 7	< 10	< 50	< 10	1000	< 3	46	< 3	92	1138
10/1/1990		8260	< 5	< 2.5	5.3	< 5	< 5	5.3	650	< 1.5	< 5	< 1.5	68	728.6
1/1/1991		8260	< 5	< 2.5	< 3.5	< 5	< 25	5.7	1300	< 1.5	89	< 1.5	51	1445.7
5/1/1991		8260	< 60	< 25	< 35	< 65	< 125	< 50	1500	< 15	< 60	< 15	91	1591
7/1/1991		8260	< 60	< 25	< 35	< 65	< 130	< 50	770	< 15	< 60	< 15	< 90	770
10/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	960	< 30	< 120	< 30	< 180	960
1/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	1800	< 30	< 240	< 30	< 360	1800
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 1100	< 30	< 120	< 30	< 180	0
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	1600	< 30	< 120	< 30	< 180	1600
10/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	1100	< 3	< 12	4.1	72	1176.1
1/1/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	1100	< 3	63	< 3	24	1187
3/31/1993		8260	< 6	< 2.5	3.8	< 6.5	< 13	6.9	1100	< 2.5	12	< 1.5	95	1217.7
6/3/1993		8260	< 6	< 2.5	< 3.5	< 6.5	< 12	7.5	1100	< 2.5	8	< 1.5	72	1187.5
6/30/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	960	5.1	< 12	< 3	92	1057.1
8/5/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	990	< 5	< 12	< 3	73	1063
9/1/1993		8260	< 12	< 5	< 7	< 13	< 25	12	980	< 5	< 12	< 3	110	1102
10/5/1993		8260	< 12	5.6	< 7	< 13	< 25	< 10	1000	< 5	< 12	< 3	120	1125.6
1/26/1994		8260	< 1.2	< 0.5	< 2.2	< 1.3	< 2.5	5.4	1200	< 0.5	< 1.2	< 0.3	350	1555.4
4/6/1994		8260	< 1.2	< 0.5	4.8	2.4	< 2.5	20	1200	1.3	82	< 0.3	50	1360.5
7/8/1994		8260	< 12	< 5	< 7	< 13	< 25	< 10	900	< 5	< 12	< 3	39	939
10/6/1994		8260	< 12	< 5	< 7	21	< 25	22	1100	< 5	< 12	< 3	90	1233
1/25/1995		8260	< 5	< 5	< 5	< 5	< 5	5.9	530	< 5	22	< 5	26	583.9
4/4/1995		8260	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	6.5	220	< 2.5	67	< 2.5	< 5	293.5
6/28/1995		8260	< 5	< 5	< 5	< 5	< 5	< 5	380	< 5	7.9	< 5	15	402.9
10/4/1995		8260	< 1.2	< 0.5	2.7	2.8	< 2.5	9.4	860	< 0.64	15	< 0.79	58	947.9
1/9/1996		8260	< 12	< 5	< 10	< 7	< 25	10	330	< 6.4	88	< 7.9	< 18	428
4/3/1996		8260	< 12	< 5	< 10	< 7	< 25	14	480	< 6.4	130	< 7.9	< 18	624
7/10/1996		8260	< 12	< 5	< 10	< 7	< 25	11	930	< 6.4	26	< 7.9	26	993
10/3/1996		8260	< 12	9.3	< 10	< 7	< 25	13	420	< 6.4	110	< 7.9	< 18	552.3
1/27/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	240	< 6.4	79	< 7.9	< 18	319
4/16/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	240	< 6.4	60	< 7.9	< 18	300
7/10/1997		8260	< 12	7.6	< 10	< 7	< 25	< 10	420	< 6.4	45	< 7.9	< 18	472.6
10/22/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	820	< 6.4	12	< 7.9	20	852
1/20/1998		8260	< 12	9.1	< 10	< 7	< 25	< 10	470	< 6.4	130	< 7.9	< 18	609.1
4/23/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	230	< 6.4	68	< 7.9	< 18	298
7/22/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	520	< 0.64	20	< 0.79	< 1.8	540
10/9/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	440	< 0.64	12	< 0.79	27	479
1/22/1999		8260	< 12	20 J	< 10	< 7	< 25	< 10	620	< 6.4	< 1.2	< 7.9	< 18	640
4/19/1999		8260	< 12	13 J	< 10	< 7	< 25	< 10	430	< 6.4	52	< 7.9	< 18	495
7/21/1999		8260	< 12	< 5	< 10	< 7	< 25	11	490	< 6.4	18	< 7.9	26	545
10/11/1999		8260	< 1.2	< 1	0.84 J	0.94 J	< 2.5	3.7	280	< 1	7.2	< 1	11	303.68

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Well ID: **B-23M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/10/2000	A0018403	8021	< 1.2	< 1	< 1	< 1	3.4	7	190	< 1	42	< 1	1.1 J	243.5
4/25/2000	A0275211	8021	< 1.2	< 1	6.4	< 1	< 2.5	10	280	< 1	36	< 1	12	344.4
7/12/2000	A0483117	8021	< 1.2	< 1	< 1	< 1	1.6 J	2.3	110	< 1	32	< 1	< 1.8	145.9
10/25/2000	A0767906	8021	< 1.2	< 1	< 1	< 1	< 2.5	4.5	200	< 1	18	< 1	12	234.5
1/16/2001	A1043902	8021	< 1.2	3.6	< 1	< 1	1.9 J	6.4	210	< 1	13	< 1	15	249.9
4/16/2001	A1345805	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	7	150 D	< 1.1	52	< 1.1	< 1.8	209
7/16/2001	A1674115	8021	< 1.2	4.9	< 1	< 1	2.8	5.5	230	< 1	23	< 1	8.5	274.7
10/18/2001	A1A23310	8021	< 2	< 2	< 2	< 2	3.5	< 2	280	< 2	11	< 2	< 2	294.5
1/23/2002	A2076703	8021	< 2	7.4	< 2	< 2	4.2	5	310	< 2	39	< 2	6.8	372.4
4/18/2002	A2378802	8021	< 2	< 2	< 2	< 2	< 2.5	< 2	350	< 2	< 2	< 2	22	372
7/15/2002	A2722903	8021	< 2	< 2	< 2	< 2	6	3.3	410	< 2	4.3	< 2	20	443.6
10/9/2002	A2A07510	8021	< 4	< 4	< 4	< 4	< 4	< 4	300	< 4	18	< 4	17	335
1/22/2003	A3068902	8021	< 2.9	2.7	< 1	< 1.6	< 3.7	4.8	140	< 1.9	45	< 3.3	< 1.8	192.5
4/21/2003	A3370901	8021	< 2.9	< 1	< 1	< 1.6	12	2.1	320	< 1.9	< 1.2	< 3.3	17	351.1
7/21/2003	A3699401	8021	< 2.9	< 1	< 1	< 1.6	< 3.7	2	370	< 1.9	2.7	< 3.3	15	389.7
10/20/2003	A3A13901	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	< 1	320	< 1	3.8	< 1	15	338.8
1/29/2004	A4077603	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	3	320	< 1	74	< 1	9.1	406.1
4/23/2004	A4373101	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	< 1	400	< 1	< 1.2	< 1	28	428
7/21/2004	A4687101	8260	< 1.9	< 3.2	< 3.8	< 1.9	10	< 3.2	340	< 2.5	9.9	< 2.5	< 5.9	359.9
10/20/2004	A4A32301	8021	< 5	< 5	< 5	< 5	< 5	< 5	230	< 5	7.1	< 5	12	249.1
1/13/2005	A5036108	8260	< 1.9	< 3.2	< 3.8	< 1.9	< 4	< 3.2	360	< 2.5	53	< 2.5	5.9	418.9
4/19/2005	A5387405	8260	< 1.9	< 3.2	< 3.8	< 1.9	< 4	< 3.2	380	< 2.5	32	< 2.5	21	433
7/18/2005	A5753801	8260/5M	< 2	< 2.2	< 2.1	< 2.4	< 2.5	< 2.5	360	< 2.2	< 2.2	< 2.6	32	392
10/20/2005	A5B92001	8260	< 1.2	< 1	1.7	1.2	< 2.5	1.8	370 D	< 1	3	< 1	61	438.7
1/23/2006	A6084701	8260	< 1.3	< 1.7	< 1.4	< 1.5	< 2.5	3	300	< 1.3	96	< 1.8	9.3	408.3
4/21/2006	6D21017-01	8260	< 1	< 1	1	< 1	< 2	1	272 D	< 1	9	< 1	17	300
7/20/2006	6G21005-05	8260	< 5	< 5	< 5	< 5	25	< 5	309	< 5	< 5	< 5	39	373
10/10/2006	6J11002-02	8260	< 1	< 1	1	< 1	< 2	2	243 D	< 1	10	< 1	28	284
1/8/2007	7A09003-01	8260	< 5	< 5	< 5	< 5	< 10	< 5	238	< 5	182	< 5	< 10	420
4/18/2007	7D19009-01	8260	< 1	< 1	2	< 1	< 2	2	239 D	< 1	41	< 1	17	301
7/11/2007	7G12003-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	178	< 1	8	< 1	24	210
10/10/2007	7J11002-03	8260	< 1	< 1	1	< 1	< 2	< 1	272 D	< 1	2	< 1	34	309
1/8/2008	8A09005-04	8260	< 2	< 2	< 2	< 2	< 4	4	171	< 2	71	< 2	11	257
4/9/2008	8D10002-04	8260	< 1	< 1	2	1	2	2	292 D	< 1	21	< 1	24	344
7/25/2008	5426028	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	0.87 J	270	< 0.8	1.8 J	< 0.8	58	331.77
10/17/2008	5502673	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	0.9 J	280	< 0.8	1.5 J	< 0.8	37	320.6
1/13/2009	5576509	8260	< 1	< 0.8	2.2 J	0.96 J	< 2	2.3 J	270	< 0.8	53	< 0.8	17	345.46
4/13/2009	5647710	8260	< 1	< 0.8	1.4 J	< 0.8	< 2	1.6 J	260	< 0.8	21	< 0.8	11	295
7/14/2009	5723623	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	0.93 J	290	< 0.8	2.8 J	< 0.8	33	327.93
10/5/2009	5797962	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	0.93 J	260	< 0.8	4.8 J	< 0.8	29	295.83
1/21/2010	5889953	8260	< 1	< 0.8	2.4 J	0.87 J	< 2	2.5 J	240	1.8 J	110	< 0.8	9.7	367.27
4/19/2010	5957669	8260	< 1	< 0.8	1.7 J	0.91 J	< 2	1.3 J	280	< 0.8	22	< 0.8	28	333.91
7/13/2010	6031621	8260	< 1	< 0.8	1.3 J	< 0.8	< 2	0.95 J	270	< 0.8	8.2	< 0.8	40	320.45
10/18/2010	6115537	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.93 J	270	< 0.8	1.2 J	< 0.8	33	305.13
1/26/2011	6192948	8260	< 1	< 0.8	2.6 J	< 0.8	< 2	3.5 J	170	1.4 J	120	< 0.8	1.7 J	299.2
4/21/2011	6266004	8260	< 1	< 0.8	1.1 J	0.83 J	< 2	1 J	280	< 0.8	< 1	< 0.8	17	299.93
7/21/2011	6353678	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	0.86 J	260	< 0.8	3.7 J	< 0.8	28	293.66
10/13/2011	6437681	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	1 J	240	< 0.8	10	< 0.8	27	279.1
1/17/2012	6524418	8260	< 1	< 0.8	1.7 J	< 0.8	< 2	1.4 J	210	< 0.8	57	< 0.8	8.6	278.7
4/11/2012	6613966	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	250	< 0.8	1.3 J	< 0.8	23	274.3

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-23M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/12/2012	6719399	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	0.91 J	240	< 0.8	4.8 J	< 0.8	25	271.81
10/3/2012	6812006	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	230	< 0.8	7.5	< 0.8	27	264.5
1/23/2013	6932570	8260	< 1	< 0.8	2.8 J	< 0.8	< 2	2 J	190	2 J	130	< 0.8	8.5	335.3
4/8/2013	7015024	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	220	< 0.8	3.7 J	< 0.8	28	251.7
7/16/2013	7129889	8260	< 1	< 0.8	3.4 J	0.91 J	< 2	2.2 J	190	1.4 J	170	< 0.8	9.3	377.21
11/13/2013	7276549	8260	< 1	< 0.8	2.6 J	1 J	< 2	2 J	250	1.2 J	170	< 0.8	11	437.8
1/17/2014	7341389	8260	< 1	< 0.8	2 J	< 0.8	< 2	1.8 J	170	0.83 J	130	< 0.8	1.1 J	305.73
4/24/2014	7442060	8260	< 0.5	< 0.5	1.2	0.62 J	< 2	1 J	210	< 0.5	27	< 0.5	11	250.82
7/16/2014	7535886	8260	< 0.5	< 0.5	2.1	0.84 J	< 2	3.4	160	1.2	220	< 0.5	3.1	390.64
10/2/2014	7623667	8260	< 0.5	< 0.5	0.93 J	< 0.5	< 2	0.81 J	190	< 0.5	13	< 0.5	26	230.74
1/8/2015	7734026	8260	< 0.5	< 0.5	2	0.71 J	< 2	2.5	140	1.3	160	< 0.5	3.4	309.91
4/22/2015	7858499	8260	< 0.5	< 0.5	1.6	0.6 J	< 2	1.4	190	< 0.5	62	< 0.5	3.1	258.7
4/22/2015	7858501	8260	< 0.5	< 0.5	1.6	0.6 J	< 2	1.4	190	< 0.5	62	< 0.5	3.1	258.7
7/14/2015	7967354	SW8260C	< 0.5	< 0.5	1.2	< 0.5	< 2	2.1	130	0.73 J	59	< 0.5	3.7	196.73
10/7/2015	8080775	SW8260C	< 0.5	< 0.5	1.7	0.58 J	< 2	1	170	0.81 J	32	< 0.5	18	224.09
1/7/2016	8199647	SW8260C	< 0.5	< 0.5	1.3	< 0.5	< 2	< 0.5	200	< 0.5	22	< 0.5	29	252.3
12/5/2016	240-73125-4	8260C	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	140	< 6.7	< 6.7	< 6.7	24	164

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-24M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	0.1	< 0.1	1	< 0.03	6	< 0.03	< 0.2	7.1
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	2	< 0.03	11	< 0.03	< 0.2	13
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.2	< 0.3	16	< 0.3	< 1.8	18.2
10/1/1989		8260	1.8	< 0.5	< 0.7	< 1	< 1	< 1	44	2.1	220	< 0.3	1.6	269.5
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	3.3	< 0.3	17	< 0.3	< 1	20.3
4/1/1990		8260	< 1	< 0.5	< 0.7	1	< 5	< 1	1.6	< 0.3	11	< 0.3	< 1	13.6
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	9.5	< 1	1.6	< 0.3	17	< 0.3	< 1	28.1
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	11	< 0.3	< 1	11
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	6.1	0.8	20	< 0.3	< 1	26.9
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.6	< 0.3	18	< 0.3	< 1.8	19.6
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	24	< 0.3	< 1.8	24
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	3.6	< 0.3	< 1.8	3.6
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	11	< 0.3	< 1.8	11
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	21	< 0.3	< 1.8	21
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.7	0.6 A	17	< 0.3	< 1.8	19.3
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.6	< 0.3	30	< 0.3	< 1.8	31.6
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 25	< 1	2.3	< 0.3	22	< 0.3	< 1.8	24.3
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.5	< 0.5	19	< 0.3	< 1.8	21.5
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	13	< 0.3	< 1.8	13
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 12	< 0.3	< 1.8	0
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	1.7	< 0.3	< 1.8	1.7
4/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.54	11	< 0.3	< 1.8	11.54
7/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	< 1	< 2	3
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
10/4/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/9/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/2/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/27/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/10/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/22/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/20/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/9/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/11/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/13/2000	A0026410	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/26/2000	A0275209	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	4.9	< 1	< 1.8	6.9
7/13/2000	A0492204	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-24M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/25/2000	A0767903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/17/2001	A1052406	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.3 J	< 1	< 1.8	0.3
4/16/2001	A1345804	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	1.9	< 1.1	< 1.8	1.9
7/16/2001	A1674112	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/18/2001	A1A23309	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	15	< 1	< 1.8	15
1/22/2002	A2066009	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	3.6	< 1	< 1.8	4.7
4/17/2002	A2378402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	5.9	< 1	< 1.8	7.7
7/12/2002	A2713902	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.5	< 1	4.7	< 1	< 1.8	6.2
10/9/2002	A2A07702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/20/2003	A3060801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.27 J	< 1	1.9	< 1	< 1.8	2.17
4/9/2003	A3329507	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	6.5	< 1	< 1.8	7.7
7/8/2003	A3649105	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	3.3	< 1	< 1.8	4.4
10/13/2003	A3991402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/20/2004	A4356801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	3.7	< 1	< 1.8	4.9
7/13/2004	A4664001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	4	< 1	< 1.8	5.4
10/20/2004	A4A32402	8021	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	4	< 1	< 1	5.3
1/12/2005	A5036204	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.79 J	< 1	4.1	< 1	< 1.8	4.89
4/6/2005	A5317804	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.63 J	< 1	3.4	< 1	< 1.8	4.03
7/12/2005	A5733203	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.97 J	< 1	3.5	< 1	< 1.8	4.47
10/5/2005	A5B10601	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.5	< 1	< 1.8	1.5
1/23/2006	A6084702	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	3.8	< 1	< 1.8	5.4
4/12/2006	6D13005-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	3	< 1	< 2	4
7/19/2006	6G20004-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	3	< 1	< 2	3
10/10/2006	6J11002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	2	< 1	< 2	3
1/8/2007	7A09003-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	3	< 1	< 2	4
4/4/2007	7D05011-02	8260	< 1	< 1	< 1	< 1	3	< 1	1	< 1	3	< 1	< 2	7
7/11/2007	7G12003-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	3	< 1	< 2	3
10/10/2007	7J11002-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
1/8/2008	8A09005-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	6	< 1	12	< 1	< 2	18
4/7/2008	8D08002-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	4	< 1	< 2	5
7/28/2008	5426821	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.2 J	< 0.8	< 1	1.2
10/17/2008	5502674	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	4.3 J	< 0.8	< 1	4.3
1/13/2009	5576514	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	< 0.8	4.2 J	< 0.8	< 1	5.3
4/13/2009	5647711	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.99 J	< 0.8	3.2 J	< 0.8	< 1	4.19
7/15/2009	5724678	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.2 J	< 0.8	< 1	1.2
10/5/2009	5797963	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	2.3 J	< 0.8	< 1	2.3
1/21/2010	5889950	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.95 J	< 0.8	2.6 J	< 0.8	< 1	3.55
4/6/2010	5946905	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	2.7 J	< 0.8	< 1	2.7
7/20/2010	6038212	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	3.1 J	< 0.8	< 1	3.1
10/18/2010	6115538	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/26/2011	6192949	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.3 J	< 0.8	6	< 0.8	< 1	8.3
4/13/2011	6258126	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	< 0.8	2.9 J	< 0.8	< 1	3.9
7/19/2011	6350144	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	< 0.8	3.5 J	< 0.8	< 1	4.5
10/13/2011	6437682	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.5 J	< 0.8	< 1	1.5
1/17/2012	6524417	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.2 J	< 0.8	4.7 J	< 0.8	< 1	6.9
4/3/2012	6605297	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.3 J	< 0.8	3.1 J	< 0.8	< 1	4.4
7/12/2012	6719396	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	2.3 J	< 0.8	< 1	2.3
10/3/2012	6812008	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/23/2013	6932572	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	7.1	< 0.8	< 1	9.8
4/8/2013	7015026	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.1 J	< 0.8	5.2	< 0.8	< 1	7.3

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-24M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/16/2013	7129892	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.9 J	< 0.8	3.7 J	< 0.8	< 1	5.6
11/13/2013	7276547	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	5.4	< 0.8	< 1	8.8
1/20/2014	7342585	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	< 0.8	4.4 J	< 0.8	< 1	6.8
1/20/2014	7342587	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	< 0.8	4.4 J	< 0.8	< 1	6.8
4/15/2014	7432582	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.3	< 0.5	5.2	< 0.5	< 0.5	8.5
7/16/2014	7535887	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	< 0.5	3.5	< 0.5	< 0.5	5.7
7/16/2014	7535890	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	< 0.5	3.5	< 0.5	< 0.5	5.7
10/2/2014	7623666	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.6	< 0.5	3.9	< 0.5	< 0.5	6.5
1/8/2015	7734025	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	4.7	< 0.5	7.7	< 0.5	< 0.5	12.4
4/14/2015	7847247	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	0.95 J	3.2	< 0.5	4.15
7/14/2015	7967351	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.7	< 0.5	3.9	< 0.5	< 0.5	6.6
10/7/2015	8080772	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	0.67 J	< 0.5	1.9	< 0.5	< 0.5	2.57
1/7/2016	8199640	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.1	< 0.5	4.6	< 0.5	< 0.5	6.7
1/7/2016	8199643	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.1	< 0.5	4.6	< 0.5	< 0.5	6.7
12/6/2016	240-73125-6	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.1	< 1.0	1.6	< 1.0	< 1.0	3.7

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-25M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	0.2	< 0.1	< 0.1	< 0.03	0.8	< 0.03	< 0.2	1
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	< 0.1	< 0.03	0.1	< 0.03	< 0.2	0.1
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	23	< 0.3	9.8	< 0.3	1.4	34.2
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	16	< 1	< 1	< 0.3	< 1	< 0.3	< 1	16
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	1.4	< 1	< 0.3	< 1	1.4
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	2.7 A	< 1.2	< 0.3	< 1.8	2.7
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/10/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/13/2000	A0492203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/16/2001	A1674109	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/2/2003	A3639714	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664208	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	1.3	< 1	< 1.8	2.7
7/12/2005	A5733105	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.68 J	< 1	1.3	< 1	< 1.8	1.98

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-26M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	0.2	< 0.1	< 0.1	< 0.03	1.3	< 0.03	< 0.2	1.5
4/1/1989		8260	< 0.1	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	< 0.1	< 0.03	< 0.1	< 0.03	< 0.2	0
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	1.2	< 0.3	< 1.8	1.2
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	3.1	< 0.3	< 1	3.1
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	11	< 1	< 1	< 0.3	< 1	< 0.3	< 1	11
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.5 A	< 1.2	< 0.3	< 1.8	1.5
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.78	< 1.2	< 0.3	< 1.8	0.78
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/10/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/28/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/19/2000	A0508901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/16/2001	A1674101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708302	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/2/2003	A3639715	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664207	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2005	A5715202	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2006	6G21005-03	8260	< 1	< 1	< 1	< 1	4	< 1	< 1	< 1	< 1	< 1	< 2	4
7/18/2007	7G19011-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/24/2008	5424621	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/14/2009	5723631	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/13/2010	6031619	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/18/2011	6348769	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	8.9	< 0.8	< 1	8.9
1/19/2012	6527708	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/4/2012	6607021	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/16/2012	6722034	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2013	7122565	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2014	7527867	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/15/2015	7968768	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-27M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/1/1989		8260	< 0.1	< 0.05	0.4	0.6	< 0.1	0.6	25	< 0.03	11	< 0.03	4.4	42
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1989		8260	< 200	< 100	< 140	73	< 200	< 200	8000	< 60	< 200	< 60	2000	10073
1/1/1990		8260	< 10	< 5	< 7	< 10	< 50	< 10	990	< 3	< 10	< 3	91	1081
4/1/1990		8260	< 10	< 5	< 7	< 10	< 50	< 10	530	< 3	< 10	< 3	74	604
7/1/1990		8260	< 2	< 1	2.9	3.6	7.1	21	550	4	9.6	< 0.6	130	728.2
10/1/1990		8260	< 10	< 5	62	79	< 10	63	9100	< 10	20	< 3	2000	11324
1/1/1991		8260	< 2	< 1	2	3.6	< 10	6.5	560	9	4.1	< 0.6	93	678.2
5/1/1991		8260	< 60	< 25	< 35	< 65	< 120	< 50	360	< 15	< 60	< 15	< 90	360
7/1/1991		8260	< 60	< 25	< 35	< 65	< 130	< 50	450	< 15	< 60	< 15	93	543
10/1/1991		8260	< 120	< 50	< 70	< 130	< 250	< 100	6200	< 30	1000	< 30	4500	11700
1/1/1992		8260	< 240	< 100	< 140	< 260	< 500	< 200	10000	< 150	< 240	< 60	5000	15000
4/1/1992		8260	< 240	< 100	< 140	< 260	< 500	< 200	730	< 60	< 240	< 60	< 240	730
7/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	640	< 10	< 12	< 3	210	850
10/1/1992		8260	6	< 2.5	< 7	< 6.5	< 13	< 5	300	< 1.5	< 6	< 1.5	170	476
1/1/1993		8260	< 12	< 5	180	250	< 25	140	13000	65	77	< 3	4700	18412
3/29/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	1100	< 5	< 12	< 3	410	1510
5/5/1993		8260	< 12	< 5	59	99	< 25	76	12000	21	37	< 3	3200	15492
6/3/1993		8260	< 12	< 5	80	100	33	120	12000	34	50	< 3	9500	21917
6/28/1993		8260	< 240	< 100	140	< 260	< 500	< 200	33000	110	660	< 60	4700	38610
8/5/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	6700	< 50	< 120	< 30	< 3500	6700
10/6/1993		8260	< 120	< 50	< 70	< 130	420	< 100	4300	< 50	< 120	< 30	< 180	4720
7/6/1994		8260	< 1.2	< 0.5	46	32	< 2.5	60	4300	6.3	62	< 0.3	< 1.8	4506.3
7/15/1996		8260	< 12	< 5	< 10	< 7	< 25	20	800	< 6.4	15	< 7.9	< 18	835
7/9/1997		8260	< 12	9.5	< 10	< 7	< 25	17	1100	< 6.4	45	< 7.9	< 18	1171.5
7/19/1999		8260	< 12	< 5	< 10	< 7	< 25	24	480	< 6.4	21	< 7.9	< 18	525
7/17/2000	A0500405	8021	< 4	< 4	< 4	< 4	5.6	6	480	< 4	< 4	< 4	< 4	491.6
7/12/2001	A1663805	8021	< 4	< 4	< 4	< 4	5.8	8.5	400	< 4	34	< 4	< 4	448.3
7/16/2002	A2722910	8021	< 1.6	< 1.6	< 1.6	< 1.6	5.7	9.4	240	< 1.6	18	< 1.6	14	287.1
7/10/2003	A3654301	8021	< 2.3	< 1	< 1	< 1.3	< 3	6.8	230	< 1.5	4.1	< 2.6	9	249.9
7/7/2004	A4636801	8021	< 1.2	< 1	< 1	1	< 2.5	4.4	80	< 1	4.8	< 1	4.1	94.3
7/14/2005	A5740601	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	3.3	50	< 1	5.3	< 1	2.3	60.9

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-28M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	2.6	0.3	< 1	< 0.3	< 1	2.9
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	0.3 A	< 1.2	< 0.3	< 1.8	0.3
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/2/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	5	< 0.3	< 1.8	5
4/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/26/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
4/5/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
10/9/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/4/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/17/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/30/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/17/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/11/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/20/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/7/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/12/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/12/2000	A0026401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.32 J	< 1	< 1.2	< 1	< 1.8	0.32
4/26/2000	A0275202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3	< 1	< 1.2	< 1	< 1.8	3
7/18/2000	A0500413	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/19/2000	A0751301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/11/2001	A1035102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.5	< 1	< 1.2	< 1	< 1.8	1.5
4/23/2001	A1375205	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.66 J	< 1	< 1.2	< 1	< 1.8	0.66
7/18/2001	A1682909	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/17/2001	A1A23303	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-28M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/17/2002	A2058506	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/10/2002	A2347902	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.25 J	< 1	< 1.8	0.25
7/10/2002	A2708304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980610	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/8/2003	A3329701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/3/2003	A3639703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978809	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/8/2004	A4026304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/30/2004	A4619406	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/5/2005	A5317606	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2005	A5724501	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/21/2005	A5B92302	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/24/2006	A6089103	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/13/2006	6D14002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2006	6G18004-06	8260	< 1	< 1	< 1	< 1	4 B	< 1	< 1	< 1	< 1	< 1	< 2	4
10/10/2006	6J11002-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/11/2007	7A12004-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/5/2007	7D06002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/18/2007	7G19011-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/11/2007	7J12012-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/9/2008	8A10002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/7/2008	8D08002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/21/2008	5420901	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/15/2008	5499968	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/13/2009	5576507	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/20/2009	5651173	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/13/2009	5722291	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/6/2009	5799013	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/26/2010	5893227	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/7/2010	5948415	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2010	6033916	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/19/2010	6116886	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/27/2011	6194104	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/13/2011	6258132	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/25/2011	6355560	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/10/2011	6433662	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/25/2012	6532444	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/3/2012	6605289	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2012	6728259	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/3/2012	6812018	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/17/2013	6926975	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/9/2013	7016203	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2013	7125535	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
11/14/2013	7278190	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/20/2014	7342591	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2014	7430453	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/14/2014	7532400	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/2/2014	7623663	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2015	7731161	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-28M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/15/2015	7849424	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/13/2015	7965570	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/6/2015	8079113	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2016	8197847	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/7/2016	240-73270-1	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-29M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1990		8260	< 1	< 0.5	1.3	< 1	< 5	3.6	290	< 0.3	12	< 0.3	16	322.9
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	73	< 0.3	2.8	< 0.3	2.6	78.4
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	2.9	110	< 0.3	6.3	< 0.3	13	132.2
10/1/1990		8260	< 1	< 0.5	2.3	< 1	< 1	4.1	250	< 0.3	15	< 0.3	15	286.4
1/1/1991		8260	< 1	< 0.5	< 0.7	1	< 5	< 1	23	< 0.3	< 1	< 0.3	< 1	24
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	35	< 0.3	1.3	< 0.3	< 1.8	36.3
7/1/1991		8260	< 1.2	< 0.5	1	< 1.3	< 2.5	1.9	230	< 0.3	7.7	< 0.3	7.4	248
10/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 13	< 5	180	< 1.5	20	< 1.5	10	210
1/1/1992		8260	< 24	< 10	< 14	< 26	< 50	< 20	220	< 6	< 24	< 6	< 36	220
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	12	< 0.3	< 1.2	< 0.3	< 1.8	12
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	46	1.6 A	< 1.2	< 0.3	2.6	50.2
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	19	< 0.3	< 1.2	< 0.3	< 1.8	19
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	28	< 0.3	< 1.2	< 0.3	< 1.8	28
3/31/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	56	1.4	1.2	< 0.3	< 1.8	58.6
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	70	< 0.5	< 1.2	< 0.3	3.5	73.5
10/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	64	< 0.5	< 1.2	< 0.3	< 1.8	64
1/26/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	60	< 0.5	< 1.2	< 0.3	4.7	64.7
4/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	16	0.55	< 1.2	< 0.3	< 1.8	16.55
7/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	84	< 0.5	< 1.2	< 0.3	1.9	85.9
10/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	38	< 0.5	< 1.2	< 0.3	1.3	39.3
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	13	< 1	< 1	< 1	< 2	13
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	25	< 1	< 1	< 1	< 2	25
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	56	1.3	1.1	< 1	4.3	62.7
10/4/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	61	< 0.64	< 1.2	< 0.79	2	63
1/9/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	61	< 0.64	< 1.2	< 0.79	2.4	63.4
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	51	< 0.64	< 1.2	< 0.79	2.7	53.7
7/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	83	< 0.64	< 1.2	< 0.79	< 1.8	83
10/2/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	85	< 0.64	< 1.2	< 0.79	2.2	87.2
1/27/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	61	< 0.64	< 1.2	< 0.79	3.7	64.7
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	50	< 0.64	< 1.2	< 0.79	< 1.8	50
7/8/1997		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	< 1	59	< 0.64	1.6	< 0.79	< 1.8	61.1
10/23/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	71	< 0.64	< 1.2	< 0.79	< 1.8	71
1/20/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	58	< 0.64	< 1.2	< 0.79	< 1.8	58
4/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	31	< 0.64	< 1.2	< 0.79	< 1.8	31
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	41	< 0.64	< 1.2	< 0.79	< 1.8	41
10/9/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	35	< 0.64	< 1.2	< 0.79	2.2	37.2
1/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	52	< 0.64	< 1.2	< 0.79	6.6	58.6
4/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	49	< 0.64	< 1.2	< 0.79	2 J	51
7/29/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	27	< 0.64	< 1.2	< 0.79	2.3 J	29.3
10/11/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	26	< 1	< 1.2	< 1	1.3 J	27.3
1/10/2000	A0018404	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	27	< 1	< 1.2	< 1	1.7 J	28.7
4/25/2000	A0275210	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.3	< 1	< 1.2	< 1	< 1.8	4.3
7/12/2000	A0483116	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	14	< 1	< 1.2	< 1	0.64 J	14.64
10/25/2000	A0767905	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	12	< 1	1.1 J	< 1	0.61 J	13.71
1/16/2001	A1043901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	16	< 1	0.29 J	< 1	1.8	18.09
4/16/2001	A1345806	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	11	< 1.1	< 1.2	< 1.1	< 1.8	11
7/16/2001	A1674114	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	21	< 1	1 J	< 1	1.1 J	23.1

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-29M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/18/2001	A1A23315	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	26	< 1	7.8	< 1	1.8	35.6
1/21/2002	A2066006	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	26	< 1	< 1.2	< 1	< 1.8	26
4/17/2002	A2378401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2002	A2708316	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	32	< 1	0.88 J	< 1	2.5	35.38
10/9/2002	A2A07701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	34	< 1	< 1.2	< 1	4.5	38.5
1/16/2003	A3055802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9	< 1	0.23 J	< 1	0.77 J	10
4/21/2003	A3371001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.5	< 1	< 1.8	2.5
7/16/2003	A3683701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	12	< 1	< 1.2	< 1	0.68 J	12.68
10/20/2003	A3A13701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	47	< 1	1.5	< 1	3.8	52.3
1/29/2004	A4077402	8021	< 1.2	< 1	< 1	0.2 J	< 2.5	< 1	26	< 1	1.8	< 1	2.1	30.1
4/23/2004	A4373001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	< 1.2	< 1	< 1.8	1.2
7/21/2004	A4687001	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	15	< 1	0.73 J	< 1	< 1.8	15.73
10/20/2004	A4A32401	8021	< 1	< 1	< 1	< 1	< 1	< 1	24	< 1	1.4	< 1	2.4	27.8
1/13/2005	A5036206	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	22	< 1	1.8	< 1	2.1	25.9
4/19/2005	A5387502	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	12	< 1	1.1 J	< 1	1.4 J	14.5
7/18/2005	A5753701	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	36	< 1	3.2	< 1	3.1	42.3
7/20/2006	6G21005-08	8260	< 1	< 1	< 1	< 1	3	< 1	43	< 1	8	< 1	3	57
7/11/2007	7G12003-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	30	< 1	6	< 1	3	39
7/25/2008	5426025	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	19	< 0.8	3 J	< 0.8	1.8 J	23.8
7/14/2009	5723624	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	1.7 J	< 0.8	2.6 J	21.3
7/13/2010	6031620	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.6	< 0.8	< 1	< 0.8	1 J	7.6
7/21/2011	6353677	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.8	< 0.8	< 1	< 0.8	< 1	5.8
7/12/2012	6719400	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	15	< 0.8	1.9 J	< 0.8	1.7 J	18.6
7/16/2013	7129890	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.93 J	< 0.8	< 1	< 0.8	< 1	0.93
7/16/2014	7535885	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2	< 0.5	< 0.5	< 0.5	0.57 J	2.57
7/14/2015	7967357	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.7	< 0.5	< 0.5	< 0.5	< 0.5	1.7
12/5/2016	240-73125-3	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7	< 1.0	< 1.0	< 1.0	1.4	8.4

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-31M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	5	< 1	2.7	< 0.3	9.1	< 0.3	< 1	16.8
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	2	< 0.3	6.9	< 0.3	< 1	8.9
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	1.9	< 0.3	11	< 0.3	< 10	12.9
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	< 1	< 0.3	4.9	< 0.3	< 1	4.9
1/1/1991		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	4.3	1.4	11	< 0.3	< 1	16.7
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.6	< 0.3	14	< 0.3	< 1.8	17.6
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	9.1	< 0.3	< 1.8	9.1
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.8	< 0.3	11	< 0.3	< 1.8	12.8
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.6	< 0.3	8	< 0.3	< 1.8	11.6
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.5	< 0.3	11	< 0.3	< 1.8	14.5
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	5.9	0.8 A	18	< 0.3	< 1.8	24.7
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3	< 0.3	16	< 0.3	< 1.8	19
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6.6	< 0.3	28	< 0.3	< 1.8	34.6
4/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6.7	< 0.5	19	< 0.3	< 1.8	25.7
6/30/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.4	< 0.5	3.3	< 0.3	< 1.8	6.7
10/7/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	5.2	< 0.5	10	< 0.3	< 1.8	15.2
1/26/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	7.5	< 0.5	13	< 0.3	< 1.8	20.5
4/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	8.9	< 0.5	20	< 0.3	< 1.8	28.9
7/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.3	< 0.5	3.2	< 0.3	< 1.8	6.5
10/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6.3	< 0.5	3.6	< 0.3	< 1.8	9.9
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	4.6	< 1	5.9	< 1	< 2	10.5
4/5/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.7	< 1	< 2	1.7
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	4.3	< 1	3.8	< 1	< 2	8.1
10/10/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	4.6	< 0.79	< 1.8	15.6
1/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	10	< 0.64	9.5	< 0.79	< 1.8	19.5
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	12	< 0.64	12	< 0.79	< 1.8	24
7/16/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	12	< 0.79	< 1.8	23
10/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	3.8	< 0.79	< 1.8	14.8
1/29/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	9	< 0.64	6.8	< 0.79	< 1.8	15.8
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	9	< 0.64	8.2	< 0.79	< 1.8	17.2
7/11/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	4	< 0.64	2.1	< 0.79	< 1.8	6.1
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	10	< 0.64	1.8	< 0.79	< 1.8	11.8
1/21/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	14	< 0.64	6.8	< 0.79	< 1.8	20.8
4/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	6.7	< 0.79	< 1.8	17.7
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	3.1	< 0.79	< 1.8	14.1
10/7/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	8	< 0.64	1.8	< 0.79	< 1.8	9.8
1/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	6	< 0.64	1.3	< 0.79	< 1.8	7.3
4/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	2.1	< 0.79	< 1.8	13.1
7/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	10	< 0.64	2.4	< 0.79	< 1.8	12.4
10/11/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.6	< 1	0.93 J	< 1	< 1.8	7.53
1/10/2000	A0018402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.4	< 1	0.54 J	< 1	< 1.8	5.94
4/27/2000	A0284301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	8.3	< 1	2.6	< 1	< 1.8	10.9
7/18/2000	A0500415	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.4	< 1	< 1.2	< 1	0.21 J	6.61
10/20/2000	A0754603	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	8.6	< 1	1.8	< 1	0.32 J	10.72
1/15/2001	A1041302	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.6	< 1	1 J	< 1	< 1.8	5.6
4/24/2001	A1375201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.5	< 1	1.2	< 1	< 1.8	6.7
7/16/2001	A1674102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.1	< 1	0.56 J	< 1	0.57 J	8.23

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-31M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/10/2001	A1994706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.3	< 1	< 1.2	< 1	0.48 J	7.78
1/17/2002	A2058501	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.2 J	13	< 1	4	< 1	< 1.8	17.2
4/9/2002	A2332608	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.8	< 1	1.1 J	< 1	< 1.8	5.9
7/9/2002	A2695509	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.3	< 1	1.4	< 1	< 1.8	8.7
10/3/2002	A2980607	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	1.7	< 1	0.29 J	11.99
1/14/2003	A3043004	8021	< 1.2	0.78 J	< 1	< 1	< 2.5	< 1	6.5	< 1	1.2	< 1	< 1.8	8.48
4/7/2003	A3320702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	2.6	< 1	< 1.8	12.6
7/2/2003	A3639716	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.7	< 1	2.1	< 1	< 1.8	9.8
10/9/2003	A3978810	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	13	< 1	3.5	< 1	< 1.8	16.5
4/20/2004	A4356903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.9	< 1	< 1.2	< 1	< 1.8	2.9
7/14/2004	A4664203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	8.8	< 1	3.8	< 1	< 1.8	12.6
10/25/2004	A4A54101	8021	< 1	< 1	< 1	< 1	< 1	< 1	13	< 1	4.5	< 1	< 1	17.5
1/19/2005	A5050909	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.3	< 1	3.2	< 1	< 1.8	8.5
4/5/2005	A5317610	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	0.64 J	< 1	< 1.8	3.04
7/8/2005	A5715201	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	6.6	< 1	2.3	< 1	< 1.8	8.9
7/17/2006	6G18004-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	< 1	< 1	< 2	2
7/18/2007	7G19011-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	< 1	< 1	< 2	2
7/24/2008	5424622	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.1 J	< 0.8	< 1	4.2
7/14/2009	5723632	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.5	< 0.8	4 J	< 0.8	< 1	12.5
7/13/2010	6031618	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3 J	< 0.8	< 1	< 0.8	< 1	3
7/18/2011	6348770	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.1	< 0.8	< 1	< 0.8	< 1	5.1
7/16/2012	6722030	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.3 J	< 0.8	< 1	< 0.8	< 1	3.3
7/16/2012	6722033	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.3 J	< 0.8	< 1	< 0.8	< 1	3.3
7/9/2013	7122566	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	< 1	< 0.8	< 1	3.4
7/9/2014	7527868	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.7	< 0.5	< 0.5	< 0.5	< 0.5	3.7
7/9/2014	7527869	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.7	< 0.5	< 0.5	< 0.5	< 0.5	3.7
7/15/2015	7968767	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.3	< 0.5	0.98 J	< 0.5	< 0.5	4.28

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-32M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1992		8260	< 1.2	< 0.5	1.3	< 1.3	< 2.5	2.8	200	0.6 A	9.8	< 0.3	2.9	217.4
10/1/1992		8260	< 1.2	< 0.5	4.5	1.7	< 2.5	8.1	450	< 0.3	47	< 0.3	11	522.3
1/1/1993		8260	< 1.2	< 0.5	6.2	6.2	< 2.5	14	470	0.78	60	< 0.3	30	587.18
4/1/1993		8260	< 1.2	< 0.5	3.4	2.7	< 2.5	7.2	540	0.68	45	< 0.3	11	609.98
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.5	73	0.88	3.5	< 0.3	2.8	81.68
10/6/1993		8260	< 1.2	0.52	< 0.7	< 1.3	2.5	1.9	66	< 0.5	< 1.2	< 0.3	31	101.92
1/26/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	68	< 0.5	< 1.2	< 0.3	< 1.8	68
4/6/1994		8260	< 1.2	< 0.5	1.6	< 1.3	< 2.5	4.9	320	0.68	40	< 0.3	10	377.18
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.8	62	< 0.5	2.5	< 0.3	2.9	69.2
10/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	1.9	130	< 1	12	< 1	2.3	146.2
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	1.6	73	< 1	6.3	< 1	3.4	84.3
6/28/1995		8260	< 1	2.5	< 1	< 1	< 1	1.7	53	2	< 1	< 1	3.6	62.8
10/4/1995		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	1.5	85	< 0.64	< 1.2	< 0.79	2.5	89.5
1/10/1996		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	< 1	52	< 0.64	< 1.2	< 0.79	< 1.8	52.5
4/3/1996		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	1.2	130	< 0.64	1.9	< 0.79	3	136.6
7/10/1996		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	2.1	98	< 0.64	< 1.2	< 0.79	2.5	103.1
10/2/1996		8260	< 1.2	0.5	< 1	< 0.7	< 2.5	1.9	140	< 0.64	< 1.2	< 0.79	4.2	146.6
1/30/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.6	120	< 0.64	< 1.2	< 0.79	4.8	126.4
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2.2	100	< 0.64	4.6	< 0.79	1.9	108.7
7/8/1997		8260	< 1.2	0.7	< 1	< 0.7	< 2.5	2.9	91	< 0.64	< 1.2	< 0.79	3.7	98.3
10/22/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	130	< 0.64	< 1.2	< 0.79	4.7	134.7
1/20/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	110	< 0.64	6	< 0.79	2.7	118.7
4/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	69	< 0.64	3.4	< 0.79	2.8	75.2
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	70	< 0.64	< 1.2	< 0.79	5.1	75.1
10/12/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.1	61	< 0.64	< 1.2	< 0.79	8	70.1
1/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2.1	96	< 0.64	< 1.2	< 0.79	12	110.1
4/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.4	75	< 0.64	< 1.2	< 0.79	13	89.4
7/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.8	74	< 0.64	< 1.2	< 0.79	9.8	85.6
10/11/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	15	< 1	< 1.2	< 1	0.84 J	15.84
1/13/2000	A0026412	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.4	52	< 1	0.37 J	< 1	9.1	62.87
4/26/2000	A0275207	8021	< 1.2	< 1	1.3	1.4	< 2.5	1.6	58	< 1	3.1	< 1	3.3	68.7
7/19/2000	A0508902	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.64 J	41	< 1	< 1.2	< 1	6.7	48.34
10/24/2000	A0760709	8021	< 1.2	< 1	< 1	< 1	< 2.5	2	39	< 1	2	< 1	7.2	50.2
1/18/2001	A1052401	8021	< 1.2	< 1	0.29 J	0.23 J	< 2.5	1.8	47	< 1	0.67 J	< 1	7.5	57.49
4/18/2001	A1361303	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	0.48	10	< 0.22	< 0.24	< 0.22	1.1	11.58
7/18/2001	A1682902	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.61 J	38	< 1	< 1.2	< 1	9.3	47.91
10/19/2001	A1A28802	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.81 J	56	< 1	0.6 J	< 1	9.4	66.81
1/14/2002	A2039403	8021	< 1.2	< 1	< 1	< 1	0.54 J	0.56 J	28	< 1	1.1 J	< 1	3.9	34.1
4/8/2002	A2332603	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.71 J	57	< 1	0.68 J	< 1	4.8	63.19
4/16/2002	A2369801	8021	< 1.2	< 1	0.34 J	0.27 J	< 2.5	< 1	62 D	< 1	1.6	< 1	5.8	70.01
7/8/2002	A2695505	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	32	< 1	< 1.2	< 1	2.8	34.8
10/9/2002	A2A07901	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.93 J	56	< 1	< 1.2	< 1	9.7	66.63
1/13/2003	A3038005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	42	< 1	1.9	< 1	5.2	49.1
4/24/2003	A3389501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	56	< 1	< 1.2	< 1	4.9	60.9
7/16/2003	A3684101	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.74 J	42	< 1	0.51 J	< 1	2.8	46.05
10/21/2003	A3A22001	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.91 J	61	< 1	< 1.2	< 1	8.6	70.51

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-32M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/7/2004	A4012304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	38	< 1	< 1.2	< 1	3.4	41.4
4/23/2004	A4372904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	36	< 1	1.3	< 1	2.8	40.1
7/20/2004	A4682903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	39 E	< 1	< 1.2	< 1	2.5 E	76.29
7/20/2004	A4682903	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	39 E	< 1	< 1.2	< 1	2.5 E	76.29
10/20/2004	A4A32101	8021	< 1	31	< 1	< 1	< 1	0.52 J	< 1	< 1	0.67 J	< 1	4.3	36.49
1/13/2005	A5036405	8260	< 1.2	< 1	0.81 J	0.61 J	< 2.5	1.3	69 D	< 1	17	< 1	3.4	92.12
4/19/2005	A5387302	8260	< 1.2	< 1	0.45 J	0.48 J	< 2.5	0.4 J	34 D	< 1	7.3	< 1	3.9	46.53
7/19/2005	A5762201	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.1	39	< 1	< 1.2	< 1	10	50.1
7/20/2006	6G21005-07	8260	< 1	< 1	< 1	< 1	2	1	35	< 1	< 1	< 1	7	45
7/10/2007	7G11015-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	28	< 1	< 1	< 1	5	33
7/25/2008	5426032	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.4 J	31	< 0.8	< 1	< 0.8	6.8	39.2
7/14/2009	5723630	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	21	< 0.8	< 1	< 0.8	10	31
7/13/2010	6031615	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.82 J	26	< 0.8	< 1	< 0.8	11	37.82
7/19/2011	6350148	8260	< 1	< 0.8	1 J	< 0.8	< 2	1.4 J	54	< 0.8	15	< 0.8	4.7 J	76.1
1/19/2012	6527709	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	1.1 J	54	< 0.8	28	< 0.8	1.2 J	85.4
4/3/2012	6605293	8260	< 1	< 0.8	1.4 J	< 0.8	< 2	1.9 J	61	< 0.8	34	< 0.8	1.1 J	99.4
7/12/2012	6719401	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	23	< 0.8	1.5 J	< 0.8	9.8	35.3
7/15/2013	7128195	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	1.4 J	43	< 0.8	31	< 0.8	4.5 J	81
7/14/2014	7532404	8260	< 0.5	< 0.5	0.7 J	0.69 J	< 2	1.7	43	< 0.5	25	< 0.5	1.9	72.99
7/14/2015	7967361	SW8260C	< 0.5	< 0.5	< 0.5	0.65 J	< 2	3.5	37	< 0.5	16	< 0.5	2.6	59.75
12/5/2016	240-73125-1	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.9 J	21	< 1.0	2.2	< 1.0	10	34.1

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-33M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.4 A	< 1.2	< 0.3	< 1.8	1.4
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
12/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/6/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.5	< 0.5	5	< 0.3	< 1.8	6.5
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	0
7/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/8/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/19/2000	A0508904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2001	A1682904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708305	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649207	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664204	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/7/2005	A5706801	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2006	6G21005-06	8260	< 1	< 1	< 1	< 1	4	< 1	< 1	< 1	< 1	< 1	< 2	4
7/10/2007	7G11015-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/25/2008	5426033	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/14/2009	5723628	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/13/2010	6031616	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2011	6350147	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2012	6719402	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/16/2013	7129891	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/14/2014	7532397	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/14/2015	7967360	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-34M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.7 A	< 1.2	< 0.3	3.5	5.2
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	1.6	< 0.3	< 1.2	< 0.3	< 1.8	1.6
1/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
6/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.2	< 1.2	< 0.3	< 1.8	1.2
10/6/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	2.6	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	2.6
7/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	2.6	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	2.6
6/28/1995		8260	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1	< 2	1
7/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/8/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/22/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/19/2000	A0508903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2001	A1682903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708306	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-35M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
12/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/2/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
7/1/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
10/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	1.2 *	< 1.2	< 0.3	< 1.8	1.2
11/3/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.5	< 1.2	< 0.3	< 1.8	0
1/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/17/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/15/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
7/18/2000	A0500414	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2001	A1682906	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708303	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-37M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
6/28/1993		8260	< 120	< 50	< 70	< 130	< 250	< 100	17000	54	230000	< 30	500	247554
7/7/1994		8260	< 1.2	< 0.5	< 0.7	2.4	< 2.5	2.1	460	0.7	4900	< 0.3	3.8	5369
7/3/2003	A3639717	8021	< 1.2	< 1	< 1	2.2	< 2.5	13	1500 D	1.8	64000 D	< 1	< 1.8	65517
6/29/2004	A4614513	8021	< 290	< 51	< 42	< 160	< 90	< 100	3400	< 59	24000	< 23	< 180	27400
7/8/2005	A5715207	8260/5M	< 1.2	< 1	< 1	1.7	< 2.5	19	1900 D	< 1	4900 D	< 1	< 1.8	6820.7

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-38M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/26/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	260	< 0.5	18	< 0.3	< 1.8	278
4/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	2.3	140	< 0.5	27	< 0.3	12	181.3
7/6/1994		8260	< 1.2	< 0.5	1.1	< 1.3	< 2.5	3.5	160	< 0.5	20	< 0.3	7.4	192
10/6/1994		8260	< 1.2	< 0.5	1.5	2.5	< 2.5	4.1	220	< 0.5	16	< 0.3	4.9	249
1/26/1995		8260	< 1	< 1	< 1	< 1	< 1	1.1	110	< 1	11	< 1	< 2	122.1
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	1	96	< 1	7	< 1	< 2	104
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	1.5	100	< 1	6.8	< 1	< 2	108.3
10/4/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2.7	160	< 0.64	13	3	< 1.8	178.7
1/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1	98	< 0.64	6.1	< 0.79	< 1.8	105.1
4/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2	142	< 0.64	7.7	< 0.79	< 1.8	151.7
7/17/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	110	< 6.4	< 12	< 7.9	< 18	110
10/2/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.7	130	< 0.64	5.8	< 0.79	< 1.8	137.5
1/29/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	120	< 6.4	< 12	< 7.9	< 18	120
4/16/1997		8260	< 1.2	1	< 1	< 0.7	< 2.5	2	100	< 0.64	3.9	< 0.79	< 1.8	106.9
7/15/1997		8260	< 1.2	0.7	< 1	< 0.7	< 2.5	1.4	140	< 0.64	5.3	< 0.79	< 1.8	147.4
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	51	5.8	3.8	< 0.79	< 1.8	60.6
1/21/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	110	< 0.64	2.5	< 0.79	< 1.8	112.5
4/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.3	89	< 0.64	2.5	< 0.79	< 1.8	92.8
7/23/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	65	< 0.64	1.9	< 0.79	< 1.8	66.9
10/12/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	79	< 0.64	3	< 0.79	< 1.8	82
1/26/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.3	130	< 0.64	3.7	< 0.79	< 1.8	135
4/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1	100	< 0.64	4.8	< 0.79	3.2 J	109
7/22/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	56	< 0.64	1.3	< 0.79	< 1.8	57.3
10/12/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	29	< 1	< 1.2	< 1	< 1.8	29
1/14/2000	A0029302	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.39 J	53	< 1	2.2	< 1	0.39 J	55.98
4/26/2000	A0275206	8021	< 1.2	< 1	1.3	< 1	< 2.5	1.3	52	< 1	2.4	< 1	2	59
7/18/2000	A0500411	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.75 J	48	< 1	1.9	< 1	< 1.8	50.65
10/19/2000	A0751303	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.8	< 1	< 1.2	< 1	< 1.8	5.8
1/19/2001	A1056801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	45	< 1	0.4 J	< 1	< 1.8	45.4
4/24/2001	A1375202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	48	< 1	2.5	< 1	< 1.8	50.5
7/18/2001	A1682907	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.26 J	44	< 1	1.8	< 1	< 1.8	46.06
10/19/2001	A1A28801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	43	< 1	4.9	< 1	1.1 J	49
1/21/2002	A2066004	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.51 J	48	< 1	3.2	< 1	< 1.8	51.71
4/16/2002	A2370103	8021	< 1.2	< 1	0.49 J	0.26 J	< 2.5	0.96 J	81 D	< 1	3.7	< 1	3.4	89.81
7/11/2002	A2708313	8021	< 1.2	< 1	0.42 J	< 1	< 2.5	1.1	84	< 1	5.1	< 1	< 1.8	90.62
10/8/2002	A2999309	8021	< 1.2	1.6	< 1	< 1	< 2.5	< 1	52	< 1	4.8	< 1	< 1.8	58.4
10/15/2002	A2A23604	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	41	< 1	4.6	< 1	< 1.8	45.6
1/16/2003	A3055801	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.54 J	80	< 1	7.8	< 1	1.4 J	89.74
4/8/2003	A3329506	8021	< 1.2	< 1	< 1	< 1	3.4	< 1	51	< 1	3.9	< 1	1.1 J	59.4
7/8/2003	A3649102	8021	< 1.2	< 1	< 1	< 1	2 J	< 1	71	< 1	2.8	< 1.3	< 1.8	75.8
10/13/2003	A3991401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	94	< 1	6.1	< 1	< 1.8	100.1
1/9/2004	A4026202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	100	< 1	8	< 1	< 1.8	108
4/13/2004	A4331805	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1	88	< 1	12	< 1	< 1.8	101.1
7/6/2004	A4636505	8021	< 1.2	< 1	1.6	1.9	< 2.5	1.9	110	< 1	23	< 1	2	140.4
10/26/2004	A4A60201	8021	< 1	< 1	1.2	0.57 J	< 1	1.3	140 E	< 1	21	< 1	0.85 J	164.92
1/20/2005	A5057701	8260	< 1.2	< 1	0.82 J	< 1	1.1 J	0.91 J	74	< 1	19	< 1	< 1.8	95.83
4/5/2005	A5317801	8260	< 1.2	< 1	1	0.63 J	< 2.5	1.6	73 D	< 1	31	< 1	1.8	109.03

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-38M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/11/2005	A5724702	8260/5M	< 1.2	< 1	0.81 J	0.71 J	< 2.5	1.3	73	< 1	24	< 1	< 1.8	99.82
10/21/2005	A5B92601	8260	< 1.2	< 1	0.84 J	0.74 J	< 2.5	1	78	< 1	27	< 1	1.8	109.38
1/24/2006	A6089104	8260	< 1.2	< 1	1.2	0.72 J	< 2.5	1.3	81	< 1	25	< 1	2	111.22
4/13/2006	6D14002-05	8260	< 1	< 1	1	< 1	< 2	2	82	< 1	33	< 1	< 2	118
7/17/2006	6G18004-04	8260	< 1	< 1	< 1	< 1	< 2	1	66	< 1	25	< 1	< 2	92
10/12/2006	6J16007-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	55	< 1	23	< 1	2	80
1/10/2007	7A11003-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	56	< 1	23	< 1	2	81
4/5/2007	7D06002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	41	< 1	20	< 1	< 2	61
7/18/2007	7G19011-01	8260	< 1	< 1	< 1	< 1	< 2	1	58	< 1	32	< 1	< 2	91
10/11/2007	7J12012-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	36	< 1	21	< 1	< 2	57
1/9/2008	8A10002-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	63	< 1	29	< 1	3	95
4/8/2008	8D09003-01	8260	< 1	< 1	< 1	< 1	2 B	< 1	39	< 1	12	< 1	< 2	53
7/25/2008	5426024	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.88 J	48	< 0.8	21	< 0.8	< 1	69.88
10/14/2008	5498683	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	46	< 0.8	25	< 0.8	< 1	71
1/21/2009	5582432	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	54	< 0.8	19	< 0.8	1.4 J	74.4
4/20/2009	5651169	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	64	< 0.8	23	< 0.8	2 J	90
7/13/2009	5722288	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	50	< 0.8	20	< 0.8	< 1	70
10/6/2009	5799015	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	41	< 0.8	17	< 0.8	< 1	58
1/21/2010	5889954	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.99 J	59	< 0.8	24	< 0.8	< 1	83.99
4/7/2010	5948418	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.93 J	41	< 0.8	19	< 0.8	< 1	60.93
7/15/2010	6033917	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	51	< 0.8	30	< 0.8	< 1	82.1
10/19/2010	6116888	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	37	< 0.8	27	< 0.8	< 1	64
1/26/2011	6192957	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	44	< 0.8	23	< 0.8	1 J	68
4/14/2011	6259036	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.95 J	47	< 0.8	20	< 0.8	< 1	67.95
7/25/2011	6355559	8260	< 1	< 0.8	1.1 J	< 0.8	< 2	1.1 J	51	< 0.8	28	< 0.8	2 J	83.2
10/10/2011	6433657	8260	< 1	< 0.8	< 1	0.91 J	< 2	1.1 J	53	< 0.8	39	< 0.8	2.4 J	96.41
1/19/2012	6527710	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.92 J	44	< 0.8	21	< 0.8	1.1 J	67.02
4/4/2012	6607028	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	1.4 J	56	< 0.8	40	< 0.8	< 1	98.6
7/19/2012	6728256	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.83 J	45	< 0.8	39	< 0.8	1.1 J	85.93
10/3/2012	6812013	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	36	< 0.8	27	< 0.8	< 1	63
1/17/2013	6926980	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	48	< 0.8	24	< 0.8	< 1	73.1
4/9/2013	7016204	8260	< 1	< 0.8	1.4 J	< 0.8	< 2	1.4 J	59	< 0.8	44	< 0.8	< 1	105.8
7/11/2013	7125532	8260	< 1	< 0.8	1.6 J	0.94 J	< 2	1.4 J	60	< 0.8	52	< 0.8	1.9 J	117.84
11/14/2013	7278193	8260	< 1	< 0.8	1.2 J	0.9 J	< 2	< 0.8	60	< 0.8	51	< 0.8	1.9 J	115
1/20/2014	7342594	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.2 J	50	< 0.8	43	< 0.8	1.3 J	95.5
4/14/2014	7430447	8260	< 0.5	< 0.5	0.92 J	0.83 J	< 2	1.4	55	< 0.5	59	< 0.5	1.5	118.65
7/14/2014	7532403	8260	< 0.5	< 0.5	0.7 J	0.62 J	< 2	1.1	46	< 0.5	40	< 0.5	1.2	89.62
10/2/2014	7623660	8260	< 0.5	< 0.5	0.62 J	0.6 J	< 2	1	44	< 0.5	41	< 0.5	0.71 J	87.93
1/6/2015	7731164	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	37	< 0.5	30	< 0.5	2	69
4/15/2015	7849422	8260	< 0.5	< 0.5	0.53 J	0.81 J	< 2	0.95 J	43	< 0.5	31	< 0.5	2.4	78.69
7/13/2015	7965573	SW8260C	< 0.5	< 0.5	0.66 J	< 0.5	< 2	0.93 J	41	< 0.5	31	< 0.5	< 0.5	73.59
10/6/2015	8079117	SW8260C	< 0.5	< 0.5	0.55 J	0.53 J	< 2	0.9 J	41	< 0.5	38	< 0.5	< 0.5	80.98
1/6/2016	8197850	SW8260C	< 0.5	< 0.5	0.54 J	0.65 J	< 2	0.67 J	44	< 0.5	27	< 0.5	0.86 J	73.72
12/6/2016	240-73125-8	8260C	< 1.4	< 1.4	0.43 J	0.55 J	< 1.4	0.45 J	36	< 1.4	14	< 1.4	2.5	53.93

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-39M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/25/2000	A0275218	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.5	< 1	8.7	< 1	< 1.8	11.2
7/17/2000	A0500409	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	2.2	< 1	< 1.8	3.6
10/18/2000	A0751311	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1	< 1	1.5	< 1	< 1.8	2.5
1/11/2001	A1035106	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.21 J	4.5	< 1	8.7	< 1	< 1.8	13.41
4/19/2001	A1361308	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	< 0.28	< 0.22	0.32	< 0.22	< 0.36	0.32
7/10/2001	A1648711	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.84 J	< 1	2.6	< 1	< 1.8	3.44
10/18/2001	A1A23312	8021	< 1.6	< 1.6	< 1.6	< 1.6	< 2.5	< 1.6	11	< 1.6	97	< 1.6	< 1.8	108
1/24/2002	A2076707	8021	< 1.6	< 1.6	< 1.6	< 1.6	1.9 J	< 1.6	< 1.6	< 1.6	5.9	< 1.6	< 1.8	7.8
4/15/2002	A2370202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.4	< 1	< 1.8	2.4
7/16/2002	A2722906	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.31 J	< 1	2	< 1	< 1.8	2.31
10/8/2002	A2999101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.27 J	< 1	2.4	< 1	< 1.8	2.67
1/23/2003	A3075201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.7	< 1	< 1.8	1.7
4/25/2003	A3389603	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.61 J	< 1	2.8	< 1	< 1.8	3.41
7/21/2003	A3699404	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	2.6	< 1	< 1.8	3.8
10/22/2003	A3A21903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.4	< 1	7.4	< 1	< 1.8	12.8
1/21/2004	A4053401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.3	< 1	8.5	< 1	< 1.8	10.8
4/29/2004	A4402502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	3.6	< 1	< 1.8	3.6
7/16/2004	A4674301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.9 E	< 1	8.4	< 1	< 1.8	27.3
7/16/2004	A4674301	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.9 E	< 1	8.4	< 1	< 1.8	27.3
10/12/2004	A4A09405	8021	< 1	< 1	< 1	< 1	< 1	< 1	4	< 1	8.1	< 1	< 1	12.1
1/12/2005	A5036106	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.9	< 1	140 E	< 1	< 1.8	141.9
4/26/2005	A5414401	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.8 J	< 1	4.3	< 1	< 1.8	5.1
7/26/2005	A5791601	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.3	< 1	8.5	< 1	< 1.8	11.8
10/21/2005	A5B92802	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	4.8	< 1	< 1.8	6.8
1/26/2006	A6102406	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	7	< 1	< 1.8	9
4/20/2006	6D21003-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	7	< 1	< 2	9
7/18/2006	6G19003-03	8260	< 1	< 1	< 1	< 1	4 B	< 1	7	< 1	7	< 1	< 2	18
10/11/2006	6J12003-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	4	< 1	< 2	7
1/9/2007	7A10006-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	7	< 1	< 2	9
4/17/2007	7D18003-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	5	< 1	< 2	7
7/16/2007	7G17015-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	1	< 1	< 2	5
10/15/2007	7J16003-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	3	< 1	< 2	7
1/14/2008	8A15002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	14	< 1	< 2	18
4/15/2008	8D16011-02	8260	< 1	< 1	< 1	< 1	5 B	< 1	< 1	< 1	3	< 1	< 2	8
7/24/2008	5424626	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.9 J	< 0.8	4.1 J	< 0.8	< 1	5
10/16/2008	5501559	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.87 J	< 0.8	3 J	< 0.8	< 1	3.87
1/21/2009	5582425	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.86 J	< 0.8	2.5 J	< 0.8	< 1	3.36
4/16/2009	5649168	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	4.1 J	< 0.8	< 1	5.8
7/7/2009	5718467	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.4 J	< 0.8	3 J	< 0.8	< 1	4.4
10/7/2009	5800391	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	< 0.8	2 J	< 0.8	< 1	3
1/25/2010	5892341	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	< 0.8	5.9	< 0.8	< 1	8.3
4/15/2010	5955535	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	5.1	< 0.8	< 1	6.8
7/15/2010	6033921	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.9 J	< 0.8	4.4 J	< 0.8	< 1	6.3
10/18/2010	6115531	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	3.8 J	< 0.8	< 1	5.5
1/24/2011	6190817	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.3 J	< 0.8	3.6 J	< 0.8	< 1	4.9
4/20/2011	6264712	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.8 J	< 0.8	< 1	1.8
7/20/2011	6352281	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.88 J	< 0.8	2.2 J	< 0.8	< 1	3.08

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1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-39M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/11/2011	6434696	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.94 J	< 0.8	2.2 J	< 0.8	< 1	3.14
1/25/2012	6532443	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	< 0.8	4.8 J	< 0.8	< 1	5.9
4/5/2012	6608278	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.2 J	< 0.8	10	< 0.8	< 1	13.2
7/11/2012	6717363	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	7.3	< 0.8	< 1	10.1
10/4/2012	6814373	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.8 J	< 0.8	8.7	< 0.8	< 1	13.5
1/24/2013	6934228	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2 J	< 0.8	10	< 0.8	< 1	12
4/2/2013	7007573	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.8 J	< 0.8	8	< 0.8	< 1	9.8
7/2/2013	7117041	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.8 J	< 0.8	6.8	< 0.8	< 1	8.6
11/11/2013	7273093	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	5.3	< 0.8	< 1	7
1/17/2014	7341379	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.6 J	< 0.8	5.2	< 0.8	< 1	6.8
4/22/2014	7439162	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.6	< 0.5	7.5	< 0.5	< 0.5	10.1
7/11/2014	7531029	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.7	< 0.5	8.2	< 0.5	< 0.5	10.9
10/3/2014	7625305	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.3	< 0.5	9.2	< 0.5	< 0.5	12.5
1/6/2015	7731154	8260	< 0.5	5.4	< 0.5	< 0.5	< 2	< 0.5	4.1	< 0.5	22	< 0.5	< 0.5	31.5
4/21/2015	7856505	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.4	< 0.5	5.9	< 0.5	< 0.5	7.3
7/7/2015	7958389	SW8260C	< 0.5	1.2	< 0.5	< 0.5	< 2	< 0.5	1.5	< 0.5	7	< 0.5	< 0.5	9.7
10/6/2015	8079107	SW8260C	< 0.5	0.95 J	< 0.5	< 0.5	< 2	< 0.5	1.8	< 0.5	7.3	< 0.5	< 0.5	10.05
1/5/2016	8197704	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.1	< 0.5	7.9	< 0.5	< 0.5	10
12/8/2016	240-73270-14	8260C	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	0.72 J	10	< 1.4	38	< 1.4	< 1.4	48.72

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-40M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/25/2000	A0275217	8021	< 1.2	0.53 J	< 1	< 1	< 2.5	1.3	6.4	< 1	4.1	< 1	1.4 J	13.73
7/17/2000	A0500408	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.43 J	4	< 1	< 1.2	< 1	0.41 J	4.84
10/18/2000	A0751313	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.4	< 1	< 1.2	< 1	< 1.8	3.4
1/11/2001	A1035107	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1	5.6	< 1	< 1.2	< 1	1.5 J	8.2
4/19/2001	A1361306	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	0.97	< 0.22	< 0.24	< 0.22	< 0.36	0.97
7/10/2001	A1648710	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.26 J	3.2	< 1	< 1.2	< 1	0.28 J	3.74
10/18/2001	A1A23311	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.3	< 1	41	< 1	< 1.8	44.3
1/22/2002	A2066012	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.1	< 1	< 1.2	< 1	1.4 J	6.5
4/12/2002	A2351801	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.6 J	6	< 1	< 1.2	< 1	0.87 J	7.47
7/12/2002	A2713907	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5	< 1	< 1.2	< 1	< 1.8	5
10/8/2002	A2999308	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.7 J	6.9	< 1	0.58 J	< 1	1 J	9.18
1/20/2003	A3060804	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.43 J	4.5	< 1	0.29 J	< 1	0.75 J	5.97
4/25/2003	A3389401	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.48 J	4.4	< 1	< 1.2	< 1	0.58 J	5.46
7/17/2003	A3683703	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.38 J	3.8	< 1	< 1.2	< 1	0.22 J	4.4
10/17/2003	A3A09004	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.4	< 1	< 1.2	< 1	< 1.8	3.4
1/20/2004	A4053202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.1	< 1	< 1.2	< 1	< 1.8	3.1
4/29/2004	A4402401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.1	< 1	< 1.2	< 1	< 1.8	2.1
7/16/2004	A4674201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3 E	< 1	< 1.2	< 1	< 1.8	6.48
7/16/2004	A4674201	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3 E	< 1	< 1.2	< 1	< 1.8	6.48
10/12/2004	A4A09702	8021	< 1	< 1	< 1	< 1	< 1	0.53 J	6.1	< 1	< 1	< 1	< 1	6.63
1/12/2005	A5036203	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.62 J	4.8	< 1	0.38 J	< 1	< 1.8	5.8
4/26/2005	A5414301	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.6 J	4.3	< 1	0.3 J	< 1	< 1.8	5.2
7/26/2005	A5791602	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.1	< 1	< 1.2	< 1	< 1.8	2.1
10/21/2005	A5B92602	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.73 J	4.8	< 1	0.91 J	< 1	< 1.8	6.44
1/27/2006	A6102501	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.64 J	5.4	< 1	1.6	< 1	< 1.8	7.64
4/20/2006	6D21003-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
7/18/2006	6G19003-04	8260	< 1	< 1	< 1	< 1	5 B	< 1	4	< 1	1	< 1	< 2	10
10/11/2006	6J12003-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	5	< 1	2	< 1	< 2	7
1/5/2007	7A05012-04	8260	< 1	< 1	< 1	< 1	3 B	< 1	6	< 1	3	< 1	< 2	12
4/17/2007	7D18003-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	2	< 1	< 2	6
7/16/2007	7G17015-10	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
10/15/2007	7J16003-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	2	< 1	< 2	6
1/9/2008	8A10002-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	2	< 1	< 2	6
4/15/2008	8D16011-03	8260	< 1	< 1	< 1	< 1	4 B	< 1	4	< 1	3	< 1	< 2	11
7/23/2008	5423261	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.6 J	< 0.8	< 1	4.7
10/16/2008	5501558	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.1	< 0.8	3.2 J	< 0.8	< 1	9.3
1/21/2009	5582426	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.9	< 0.8	2.9 J	< 0.8	< 1	8.8
4/16/2009	5649167	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	< 0.8	2.5 J	< 0.8	< 1	6.4
7/7/2009	5718466	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	1.7 J	< 0.8	< 1	4.4
10/7/2009	5800392	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	1.6 J	< 0.8	< 1	4.4
1/25/2010	5892342	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.1 J	< 0.8	2.6 J	< 0.8	< 1	6.7
4/15/2010	5955536	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	< 0.8	2.7 J	< 0.8	< 1	6.6
7/19/2010	6036148	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.7 J	< 0.8	2.5 J	< 0.8	< 1	6.2
10/18/2010	6115534	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.4 J	< 0.8	2 J	< 0.8	< 1	6.4
1/24/2011	6190816	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.6	< 0.8	4.2 J	< 0.8	< 1	10.8
4/20/2011	6264714	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	< 0.8	1.7 J	< 0.8	< 1	4.5
7/20/2011	6352282	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	2 J	< 0.8	< 1	5.4

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J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-40M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/11/2011	6434699	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.91 J	4.7 J	< 0.8	2.1 J	< 0.8	< 1	7.71
1/18/2012	6526477	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.2 J	< 0.8	1.8 J	< 0.8	< 1	6
4/5/2012	6608277	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.8 J	< 0.8	6.1	< 0.8	< 1	9.9
7/11/2012	6717361	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.6 J	< 0.8	2.1 J	< 0.8	< 1	4.7
10/4/2012	6814370	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.6 J	< 0.8	2.4 J	< 0.8	< 1	6
1/24/2013	6934227	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.3 J	< 0.8	2.2 J	< 0.8	< 1	5.5
4/2/2013	7007574	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.6 J	< 0.8	1.6 J	< 0.8	< 1	4.2
7/2/2013	7117040	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.6 J	< 0.8	2.6 J	< 0.8	< 1	5.2
11/11/2013	7273092	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.8 J	< 0.8	4.5 J	< 0.8	< 1	9.3
1/17/2014	7341381	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	3.2 J	< 0.8	< 1	6.6
4/22/2014	7439161	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	< 0.5	1.4	< 0.5	< 0.5	3.6
7/11/2014	7531030	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.88 J	5.6	< 0.5	6.9	< 0.5	< 0.5	13.38
10/3/2014	7625302	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.66 J	4.8	< 0.5	5.1	< 0.5	< 0.5	10.56
1/6/2015	7731155	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.58 J	4.6	< 0.5	6.6	< 0.5	< 0.5	11.78
4/21/2015	7856504	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3	< 0.5	1.9	< 0.5	< 0.5	4.9
7/7/2015	7958386	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.9	< 0.5	3.2	< 0.5	< 0.5	5.1
10/6/2015	8079108	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.74 J	5.2	< 0.5	5.8	< 0.5	< 0.5	11.74
1/5/2016	8197705	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.8 J	6	< 0.5	5.9	< 0.5	< 0.5	12.7
12/8/2016	240-73270-13	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.77 J	5.6	< 1.0	5.4	< 1.0	< 1.0	11.77

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-41M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/25/2000	A0275216	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.6	3.7	< 1	< 1.2	< 1	< 1.8	5.3
7/17/2000	A0500406	8021	< 1.2	< 1	< 1	< 1	< 2.5	1	3.4	< 1	4.6	< 1	< 1.8	9
10/18/2000	A0751306	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.5 J	2.1	< 1	0.93 J	< 1	< 1.8	3.53
1/12/2001	A1035108	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.3	3.1	< 1	0.37 J	< 1	< 1.8	4.77
4/19/2001	A1361312	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	0.45	< 0.22	< 0.24	< 0.22	< 0.36	0.45
7/10/2001	A1648709	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.55 J	1.6	< 1	0.38 J	< 1	< 1.8	2.53
10/18/2001	A1A23308	8021	< 2	< 2	< 2	< 2	< 2.5	< 2	< 2	< 2	100	< 2	< 2	100
1/23/2002	A2076802	8021	< 1.2	< 1	< 1	< 1	3.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	3.5
4/15/2002	A2370101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	1 J	< 1	< 1.8	2.8
7/15/2002	A2723101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	0.47 J	< 1	< 1.8	1.67
10/8/2002	A2999207	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.38 J	1.4	< 1	0.84 J	< 1	< 1.8	2.62
1/21/2003	A3069004	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.44 J	1.5	< 1	0.81 J	< 1	< 1.8	2.75
4/28/2003	A3399801	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.57 J	2.3	< 1	< 1.2	< 1	< 1.8	2.87
7/17/2003	A3683705	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.52 J	2.3	< 1	0.65 J	< 1	< 1.8	3.47
10/17/2003	A3A09005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.7	< 1	< 1.2	< 1	< 1.8	2.7
1/21/2004	A4053204	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	< 1.2	< 1	< 1.8	2.4
4/30/2004	A4402402	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.2	3.1	< 1	< 1.2	< 1	< 1.8	4.3
7/16/2004	A4674202	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1 E	2.6 E	< 1	< 1.2	< 1	< 1.8	7.2
7/16/2004	A4674202	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.1 E	2.6 E	< 1	< 1.2	< 1	< 1.8	7.2
10/12/2004	A4A09701	8021	< 1	< 1	< 1	< 1	< 1	1.3	6.7	< 1	< 1	< 1	< 1	8
1/18/2005	A5051003	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.75 J	2	< 1	0.38 J	< 1	< 1.8	3.13
4/26/2005	A5414302	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.3	3.8	< 1	< 1.2	< 1	< 1.8	5.1
7/26/2005	A5791603	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.2	2.9	< 1	< 1.2	< 1	< 1.8	4.1
10/21/2005	A5B92603	8260	< 1.2	< 1	< 1	< 1	< 2.5	1	4.3	< 1	< 1.2	< 1	0.99 J	6.29
1/27/2006	A6102502	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.62 J	3.1	< 1	< 1.2	< 1	< 1.8	3.72
4/21/2006	6D21017-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	< 1	< 1	< 2	4
7/18/2006	6G19003-02	8260	< 1	< 1	< 1	< 1	4 B	< 1	5	< 1	< 1	< 1	< 2	9
10/12/2006	6J16007-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
1/9/2007	7A10006-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	1	< 1	< 2	5
4/17/2007	7D18003-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	5	< 1	< 1	< 1	< 2	5
7/16/2007	7G17015-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	< 1	< 1	< 2	4
10/15/2007	7J16003-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
1/9/2008	8A10002-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	< 1	< 1	< 2	3
4/16/2008	8D16026-01	8260	< 1	< 1	< 1	< 1	4 B	< 1	5	< 1	< 1	< 1	< 2	9
7/16/2008	5417443	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	< 1	< 0.8	< 1	2.5
10/16/2008	5501557	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.6 J	< 0.8	< 1	< 0.8	< 1	4.6
1/21/2009	5582427	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.9	< 0.8	< 1	< 0.8	1.5 J	7.4
4/16/2009	5649169	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	< 1	< 0.8	1.4 J	8.2
7/7/2009	5718464	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.3 J	< 0.8	< 1	< 0.8	< 1	4.3
10/7/2009	5800393	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.3 J	< 0.8	< 1	< 0.8	< 1	3.3
1/25/2010	5892343	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.4	< 0.8	< 1	< 0.8	< 1	5.4
4/15/2010	5955537	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6	< 0.8	< 1	< 0.8	1.8 J	7.8
7/19/2010	6036149	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.1 J	< 0.8	< 1	< 0.8	< 1	4.1
10/18/2010	6115535	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	< 1	< 0.8	< 1	3.1
1/24/2011	6190821	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.8 J	< 0.8	< 1	< 0.8	< 1	3.8
4/20/2011	6264717	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.4	< 0.8	< 1	< 0.8	2.9 J	10.3
7/20/2011	6352283	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.9 J	< 0.8	< 1	< 0.8	< 1	4.9

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-41M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/11/2011	6434700	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.4 J	< 0.8	< 1	< 0.8	< 1	4.4
1/18/2012	6526476	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.2	< 0.8	5.8	< 0.8	< 1	12
4/5/2012	6608276	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.9	< 0.8	10	< 0.8	< 1	17.9
7/11/2012	6717360	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.8	< 0.8	< 1	< 0.8	< 1	5.8
10/4/2012	6814365	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.6 J	< 0.8	< 1	< 0.8	< 1	4.6
1/24/2013	6934225	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.8	< 0.8	< 1	< 0.8	< 1	7.8
1/24/2013	6934226	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.8	< 0.8	< 1	< 0.8	< 1	7.8
4/2/2013	7007575	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	< 1	< 0.8	< 1	6.8
7/2/2013	7117037	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.7	< 0.8	< 1	< 0.8	< 1	5.7
11/14/2013	7278189	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.2	< 0.8	< 1	< 0.8	2.5 J	9.7
1/17/2014	7341382	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.5	< 0.8	< 1	< 0.8	< 1	6.5
4/22/2014	7439160	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.9	< 0.5	< 0.5	< 0.5	0.84 J	8.74
7/11/2014	7531031	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.4	< 0.5	< 0.5	< 0.5	< 0.5	5.4
7/11/2014	7531032	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.4	< 0.5	< 0.5	< 0.5	< 0.5	5.4
10/3/2014	7625301	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	4.6	< 0.5	< 0.5	< 0.5	< 0.5	4.6
1/6/2015	7731153	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	9.8	< 0.5	54	< 0.5	0.7 J	64.5
1/6/2015	7731158	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	9.8	< 0.5	54	< 0.5	0.7 J	64.5
4/21/2015	7856503	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	8.2	< 0.5	0.98 J	< 0.5	< 0.5	9.18
7/7/2015	7958385	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.8	< 0.5	0.78 J	< 0.5	< 0.5	6.58
10/6/2015	8079109	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6.1	< 0.5	< 0.5	< 0.5	1.1	7.2
1/5/2016	8197706	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6.4	< 0.5	< 0.5	< 0.5	2.8	9.2
12/8/2016	240-73270-9	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.5	< 1.0	< 1.0	< 1.0	4.4	11.9

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-42M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/15/1999		8260	< 1.2	< 1	< 1	< 1	1.4 J	2.1	91	< 1	58	< 1	< 1.8	152.5
1/12/2000	A0026403	8021	< 1.2	< 1	< 1	< 1	0.57 J	0.88 J	32	< 1	23	< 1	< 1.8	56.45
4/18/2000	A0259410	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.3	22	< 1	14	< 1	< 1.8	37.3
7/20/2000	A0508910	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	120	< 1	66	< 1	4.9	190.9
10/20/2000	A0754605	8021	< 1.2	< 1	< 1	< 1	1.3 BJ	< 1	99	< 1	54	< 1	4.5	158.8
1/12/2001	A1035114	8021	< 1.2	< 1	< 1	< 1	2.1 J	1.2	51	< 1	23	< 1	< 1.8	77.3
4/20/2001	A1366404	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	39	< 1.1	380 D	< 1.1	< 1.8	419
7/11/2001	A1648704	8021	< 1.2	< 1	0.27 J	< 1	< 2.5	1.4	45	< 1	14	< 1	9.4	70.07
10/17/2001	A1A23307	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.4 J	12	< 1	3	< 1	< 1.8	15.4
11/12/2001	A1B23801	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.56 J	8	< 1	4	< 1	< 1.8	12.56
1/24/2002	A2076710	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.5 J	8.2	< 1	4.8	< 1	0.44 J	13.94
4/18/2002	A2378803	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.43 J	4.2	< 1	4.1	< 1	< 1.8	8.73
7/16/2002	A2722908	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.6 J	8.2	< 1	3.9	< 1	< 1.8	12.7
10/11/2002	A2A14401	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.5	16	< 1	6	< 1	< 1.8	23.5
1/23/2003	A3075204	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	8.9	< 1	12	< 1	< 1.8	20.9
4/23/2003	A3376302	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.2	12	< 1	6.9	< 1	0.67 J	20.77
7/22/2003	A3699405	8021	< 1.2	< 1	< 1	< 1	< 2.5	1	15	< 1	5.2	< 1	< 1.8	21.2
10/22/2003	A3A28303	8021	< 1.2	< 1	< 1	< 1	< 2.5	2	28	< 1	8.2	< 1	1.4 J	39.6
1/21/2004	A4053402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	11	< 1	6.9	< 1	< 1.8	17.9
4/28/2004	A4387603	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1	10	< 1	4.9	< 1	< 1.8	16
7/9/2004	A4647101	8021	< 1.2	< 1	< 1	< 1	< 2.5	1	8.5	< 1	4.3	< 1	< 1.8	13.8
10/8/2004	A4994202	8021	< 1	< 1	< 1	< 1	< 5	< 1	6.2	< 1	3.5	< 1	< 1	9.7
1/18/2005	A5051101	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.34 J	2.6	< 1	2.6	< 1	< 1.8	5.54
4/26/2005	A5414403	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.43 J	5.1	< 1	3.6	< 1	< 1.8	9.13
7/26/2005	A5791701	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1	8.2	< 1	3.9	< 1	< 1.8	13.1
10/20/2005	A5B92005	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.5	13	< 1	5.9	< 1	2.2	22.6
1/24/2006	A6089108	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.1	< 1	2.9	< 1	< 1.8	7
4/19/2006	6D20002-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	6	< 1	4	< 1	< 2	10
7/18/2006	6G19003-08	8260	< 1	< 1	< 1	< 1	5 B	< 1	7	< 1	3	< 1	< 2	15
10/11/2006	6J12003-03	8260	< 1	< 1	< 1	< 1	< 2	1	10	< 1	4	< 1	< 2	15
1/10/2007	7A11003-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	2	< 1	< 2	5
4/16/2007	7D17002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	5	< 1	3	< 1	< 2	8
7/16/2007	7G17015-02	8260	< 1	< 1	< 1	< 1	2	< 1	3	< 1	2	< 1	< 2	7
10/9/2007	7J10006-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	4	< 1	3	< 1	< 2	7
1/14/2008	8A15002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	8	< 1	4	< 1	< 2	12
4/14/2008	8D15002-01	8260	< 1	< 1	< 1	< 1	2 B	< 1	6	< 1	3	< 1	< 2	11
7/23/2008	5423257	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.81 J	6.8	< 0.8	2.4 J	< 0.8	< 1	10.01
10/16/2008	5501561	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	31	< 0.8	< 1	47
1/21/2009	5582431	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	5 J	< 0.8	< 1	11.8
4/15/2009	5647725	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	11	< 0.8	3.7 J	< 0.8	< 1	16
7/7/2009	5718476	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.98 J	7.8	< 0.8	2.7 J	< 0.8	< 1	11.48
10/7/2009	5800382	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	2.6 J	< 0.8	< 1	9.4
1/20/2010	5888920	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.81 J	8.3	< 0.8	2.6 J	< 0.8	< 1	11.71
4/13/2010	5953085	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	14	< 0.8	3.7 J	< 0.8	< 1	19.3
7/14/2010	6032685	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	9.1	< 0.8	2.6 J	< 0.8	< 1	12.7
10/14/2010	6113373	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	2 J	< 0.8	< 1	8.9
1/25/2011	6191892	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	10	< 0.8	2.7 J	< 0.8	< 1	13.8

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-42M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/19/2011	6263086	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.2 J	10	< 0.8	3.8 J	< 0.8	< 1	15
7/13/2011	6343977	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	2.6 J	< 0.8	< 1	9.5
10/12/2011	6435897	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.3	< 0.8	1.9 J	< 0.8	< 1	7.2
1/18/2012	6526475	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.7	< 0.8	2.1 J	< 0.8	< 1	7.8
4/9/2012	6610605	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.7 J	16	< 0.8	13	< 0.8	1.2 J	31.9
7/18/2012	6726433	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.9 J	8.3	< 0.8	3.1 J	< 0.8	< 1	12.3
10/2/2012	6810726	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.83 J	6.5	< 0.8	2.3 J	< 0.8	< 1	9.63
1/22/2013	6931413	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.3	< 0.8	3.2 J	< 0.8	< 1	9.5
1/22/2013	6931421	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.3	< 0.8	3.2 J	< 0.8	< 1	9.5
4/4/2013	7011181	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	11	< 0.8	7.7	< 0.8	< 1	20
7/8/2013	7120728	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.9 J	< 0.8	3.2 J	< 0.8	< 1	8.1
11/12/2013	7275074	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	1.9 J	< 0.8	< 1	4.6
1/16/2014	7340029	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.2 J	< 0.8	1.8 J	< 0.8	< 1	4
4/16/2014	7433452	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1	7.8	< 0.5	9.3	< 0.5	< 0.5	18.1
7/11/2014	7531036	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.9	< 0.5	2.8	< 0.5	< 0.5	6.7
10/6/2014	7626654	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3	< 0.5	2.4	< 0.5	< 0.5	5.4
1/7/2015	7732755	8260	< 0.5	1.6	< 0.5	< 0.5	< 2	< 0.5	5.8	< 0.5	3.8	< 0.5	< 0.5	11.2
4/20/2015	7856499	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.85 J	7.9	< 0.5	6.9	< 0.5	< 0.5	15.65
7/7/2015	7958381	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6.3	< 0.5	3.7	< 0.5	< 0.5	10
10/5/2015	8077929	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.51 J	5.8	< 0.5	3.8	< 0.5	< 0.5	10.11
10/5/2015	8077931	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.51 J	5.8	< 0.5	3.8	< 0.5	< 0.5	10.11
1/5/2016	8197714	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.4	< 0.5	2.9	< 0.5	< 0.5	8.3
12/9/2016	240-73270-25	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.5	16	< 1.0	7.3	< 1.0	1.2	26

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-43M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/15/1999		8260	< 1.2	0.26 J	0.41 J	< 1	< 2.5	< 1	12	< 1	1.2	< 1	1.5 J	15.37
1/12/2000	A0026406	8021	< 1.2	< 1	0.27 J	< 1	< 2.5	< 1	19	< 1	5.8	< 1	1.3 J	26.37
4/18/2000	A0259408	8021	< 1.2	< 1	1.3	< 1	< 2.5	< 1	11	< 1	3.1	< 1	1.2 J	16.6
7/20/2000	A0508909	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	5.6	< 1	11	< 1	< 1.8	16.6
10/20/2000	A0754606	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.4	< 1	2.5	< 1	0.33 J	6.23
1/12/2001	A1035113	8021	< 1.2	< 1	1.4	< 1	< 2.5	< 1	34	< 1	4.5	< 1	2.7	42.6
4/20/2001	A1366405	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	4.6	< 1.1	2.9	< 1.1	< 1.8	7.5
7/11/2001	A1648701	8021	< 1.2	< 1	0.35 J	< 1	< 2.5	< 1	2.1	< 1	0.83 J	< 1	0.3 J	3.58
11/12/2001	A1B23802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	14	< 1	6.4	< 1	0.37 J	20.77
1/21/2002	A2066007	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.61 J	13	< 1	6.1	< 1	< 1.8	19.71
4/11/2002	A2348302	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.61 J	11	< 1	6.3	< 1	< 1.8	17.91
7/11/2002	A2708317	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	5.4	< 1	< 1.8	15.4
10/8/2002	A2999303	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.38 J	6	< 1	4.3	< 1	0.29 J	10.97
1/16/2003	A3055804	8021	< 1.2	< 1	0.29 J	< 1	< 2.5	0.4 J	6.3	< 1	3.4	< 1	1.2 J	11.59
4/29/2003	A3398701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.8	< 1	2.4	< 1	0.34 J	6.54
7/17/2003	A3683706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.1	< 1	1.1 J	< 1	< 1.8	3.2
10/16/2003	A3A09002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.7	< 1	8.1	< 1	< 1.8	11.8
1/20/2004	A4053201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	8.9	< 1	< 1.8	18.9
4/28/2004	A4387602	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	1.4	< 1	< 1.8	3.4
7/9/2004	A4647301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.3	< 1	8.2	< 1	< 1.8	12.5
10/7/2004	A4994505	8021	< 1	< 1	< 1	< 1	< 5	< 1	7.4	< 1	36	< 1	< 1	43.4
1/18/2005	A5051001	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.82 J	8.9	< 1	5.5	< 1	1.5 J	16.72
4/21/2005	A5402202	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.83 J	10	< 1	34 D	< 1	< 1.8	44.83
7/26/2005	A5791702	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.6	17	< 1	79	< 1	< 1.8	97.6
10/20/2005	A5B91801	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.64 J	6	< 1	6.8	< 1	1.3 J	14.74
1/26/2006	A6102402	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.74 J	12	< 1	4.6	< 1	3.8	21.14
4/20/2006	6D21003-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	12	< 1	3	< 1	3	18
7/18/2006	6G19003-07	8260	< 1	< 1	< 1	< 1	4 B	< 1	8	< 1	4	< 1	< 2	16
10/11/2006	6J12003-02	8260	< 1	< 1	< 1	< 1	< 2	1	12	< 1	36	< 1	< 2	49
1/10/2007	7A11003-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	12	< 1	5	< 1	4	21
4/16/2007	7D17002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	9	< 1	2	< 1	< 2	11
7/16/2007	7G17015-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	9	< 1	2	< 1	3	14
10/10/2007	7J11002-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	8	< 1	3	< 1	2	13
1/14/2008	8A15002-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	9	< 1	2	< 1	2	13
4/14/2008	8D15002-02	8260	< 1	< 1	< 1	< 1	3 B	< 1	5	< 1	< 1	< 1	< 2	8
7/23/2008	5423258	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.5	< 0.8	2.3 J	< 0.8	2.6 J	13.4
10/16/2008	5501560	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	10	< 0.8	2.8 J	< 0.8	3.1 J	15.9
1/15/2009	5578617	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.1	< 0.8	5.3	< 0.8	2.5 J	16.9
4/15/2009	5647721	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.2	< 0.8	< 1	< 0.8	2.2 J	9.4
7/7/2009	5718475	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.4	< 0.8	2 J	< 0.8	2.6 J	13
10/7/2009	5800384	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.7	< 0.8	2.7 J	< 0.8	2.1 J	12.5
1/20/2010	5888917	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6	< 0.8	1.7 J	< 0.8	1.5 J	9.2
4/13/2010	5953084	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.9	< 0.8	2.6 J	< 0.8	< 1	8.5
7/14/2010	6032683	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.9	< 0.8	2.8 J	< 0.8	3 J	15.7
10/12/2010	6109758	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.4	< 0.8	3.3 J	< 0.8	2.6 J	15.3
1/25/2011	6191891	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.8	< 0.8	3.1 J	< 0.8	2.7 J	15.6
4/19/2011	6263085	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	< 1	< 0.8	< 1	3.1

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B - The analyte is present in the associated method blank.
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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-43M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/13/2011	6343976	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	< 0.8	3.8 J	< 0.8	5.1	19.9
10/12/2011	6435898	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	< 0.8	3.4 J	< 0.8	2.3 J	16.7
1/16/2012	6523836	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	10	< 0.8	3.3 J	< 0.8	4 J	17.3
4/9/2012	6610604	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	15	< 0.8	27	< 0.8	< 1	42
7/18/2012	6726434	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	< 0.8	3 J	< 0.8	4.3 J	18.3
10/2/2012	6810725	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	< 0.8	3.4 J	< 0.8	2.9 J	17.3
1/22/2013	6931417	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.9	< 0.8	1.6 J	< 0.8	3.1 J	10.6
4/4/2013	7011178	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.5	< 0.8	15	< 0.8	< 1	24.5
7/8/2013	7120729	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5	< 0.8	2.4 J	< 0.8	1.5 J	8.9
11/12/2013	7275073	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	1.4 J	< 0.8	5.3	13.5
1/16/2014	7340031	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.2	< 0.8	1.2 J	< 0.8	3.3 J	11.7
4/16/2014	7433451	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.2	< 0.5	13	< 0.5	1.5	19.7
7/11/2014	7531035	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.4	< 0.5	1	< 0.5	3.8	12.2
10/6/2014	7626657	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6.8	< 0.5	< 0.5	< 0.5	3.5	10.3
1/7/2015	7732754	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.9	< 0.5	0.69 J	< 0.5	4.2	10.79
4/20/2015	7856498	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7	< 0.5	11	< 0.5	< 0.5	18
7/7/2015	7958380	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.4	< 0.5	0.51 J	< 0.5	5	12.91
10/5/2015	8077932	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	8.8	< 0.5	< 0.5	< 0.5	4.6	13.4
1/5/2016	8197703	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6	< 0.5	< 0.5	< 0.5	2.5	8.5
1/5/2016	8197715	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	6	< 0.5	< 0.5	< 0.5	2.5	8.5
12/12/2016	240-73361-2	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	7.3	< 1.0	0.68 J	< 1.0	3.8	11.78

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MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-44M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/15/1999		8260	< 1.2	1.9	2.4	< 1	< 2.5	< 1	11	< 1	12	< 1	< 1.8	27.3
1/12/2000	A0026407	8021	< 1.2	0.23 J	4	< 1	< 2.5	< 1	26	< 1	2.4	< 1	1 J	33.63
4/19/2000	A0259413	8021	< 1.2	1.3	6	< 1	< 2.5	1.2	36	1.3	6	< 1	8.1	59.9
7/20/2000	A0508913	8021	< 1.2	< 1	2.3	< 1	< 2.5	< 1	18	< 1	3.4	< 1	0.81 J	24.51
10/24/2000	A0760705	8021	< 1.2	0.22 J	6.1	< 1	< 2.5	< 1	31	0.36 J	4.5	< 1	8.3	50.48
1/13/2001	A1041307	8021	< 1.2	< 1	7.6	1.2	< 2.5	1.1	38	1.9	8	< 1	15	72.8
4/25/2001	A1382101	8021	< 1.2	< 1	6	< 1	< 2.5	0.25 J	33	0.4 J	4.3	< 1	7.7	51.65
7/11/2001	A1648703	8021	< 1.2	< 1	4.5	< 1	< 2.5	< 1	23	< 1	3	< 1	2.4	32.9
11/12/2001	A1B23803	8021	< 1.2	< 1	6.1	< 1	< 2.5	< 1	33	< 1	27	< 1	4.5	70.6
1/22/2002	A2066013	8021	< 8	< 8	< 8	< 8	14	< 8	22	< 8	< 8	< 8	< 8	36
4/12/2002	A2351802	8021	< 1.2	< 1	7.6	< 1	< 2.5	< 1	33	< 1	5.9	< 1	5.6	52.1
7/15/2002	A2723103	8021	< 1.2	< 1	7.8	< 1	< 2.5	< 1	28	< 1	5.5	< 1	4.4	45.7
10/9/2002	A2A07501	8021	< 1.2	< 1	9.2	< 1	< 2.5	< 1	49	0.76 J	10	< 1	15	83.96
1/21/2003	A3069001	8021	< 1.2	0.54 J	7.4	< 1	< 2.5	< 1	25	< 1	5.5	< 1	4.9	43.34
4/29/2003	A3398702	8021	< 1.2	< 1	11	< 1	< 2.5	< 1	44	0.79 J	10	< 1	27	92.79
7/17/2003	A3683704	8021	< 1.2	< 1	8.3	< 1	< 2.5	< 1	36	0.45 J	4.8	< 1	13	62.55
10/17/2003	A3A09003	8021	< 1.2	< 1	8.4	< 1	< 2.5	< 1	26	< 1	1.6	< 1	20	56
1/20/2004	A4053203	8021	< 1.2	< 1	9.1	< 1	< 2.5	< 1	15	< 1	1.9	< 1	9.7	35.7
4/28/2004	A4387601	8021	< 1.2	< 1	8.5	< 1	< 2.5	< 1	27	< 1	3.2	< 1	23	61.7
7/9/2004	A4647302	8021	< 1.2	< 1	8	< 1	< 2.5	< 1	15	< 1	1.6	< 1	19	43.6
10/7/2004	A4994504	8021	< 1	< 1	6.3	< 1	< 5	< 1	5	< 1	2.4	< 1	5.6	19.3
1/18/2005	A5051002	8260	< 1.2	< 1	8.1	< 1	< 2.5	0.34 J	9.1	0.25 J	2.4	< 1	4.9	25.09
4/21/2005	A5402201	8260	< 1.2	< 1	7.3	< 1	< 2.5	0.47 J	21	0.49 J	5.8	< 1	15	50.06
7/22/2005	A5778502	8260/5M	< 1.2	< 1	5.9	< 1	< 2.5	< 1	14	< 1	3.6	< 1	5.5	29
10/21/2005	A5B92604	8260	< 1.2	< 1	8.7	< 1	< 2.5	< 1	9.1	< 1	3.7	< 1	6.6	28.1
1/26/2006	A6102403	8260	< 1.2	< 1	9.1	< 1	< 2.5	0.63 J	16	0.65 J	8.1	< 1	16	50.48
4/20/2006	6D21003-02	8260	< 1	< 1	7	< 1	< 2	< 1	7	< 1	2	< 1	8	24
7/18/2006	6G19003-06	8260	< 1	< 1	7	< 1	11 B	< 1	8	< 1	3	< 1	5	34
10/11/2006	6J12003-04	8260	< 1	< 1	8	< 1	< 2	< 1	12	< 1	6	< 1	9	35
1/10/2007	7A11003-03	8260	< 1	< 1	6	< 1	< 2	< 1	5	< 1	10	< 1	6	27
4/17/2007	7D18003-04	8260	< 1	< 1	5	< 1	< 2	< 1	1	< 1	< 1	< 1	3	9
7/16/2007	7G17015-04	8260	< 1	< 1	7	< 1	< 2	< 1	8	< 1	5	< 1	7	27
10/10/2007	7J11002-08	8260	< 1	< 1	6	< 1	< 2	< 1	7	< 1	4	< 1	4	21
1/14/2008	8A15002-04	8260	< 1	< 1	7	< 1	< 2	< 1	9	< 1	5	< 1	6	27
4/15/2008	8D16011-01	8260	< 1	< 1	5	< 1	4 B	< 1	4	< 1	2	< 1	4	19
7/28/2008	5426819	8260	< 1	< 0.8	7.7	< 0.8	< 2	< 0.8	8.1	< 0.8	5.2	< 0.8	7.2	28.2
10/16/2008	5501564	8260	< 1	< 0.8	9.6	< 0.8	< 2	< 0.8	11	< 0.8	6.7	< 0.8	7.5	34.8
1/15/2009	5578616	8260	< 1	< 0.8	8.3	< 0.8	< 2	< 0.8	8.9	< 0.8	7.4	< 0.8	6.3	30.9
4/15/2009	5647726	8260	< 1	< 0.8	7	< 0.8	< 2	< 0.8	5.8	< 0.8	4.4 J	< 0.8	5 J	22.2
7/7/2009	5718477	8260	< 1	< 0.8	8.6	< 0.8	< 2	< 0.8	9.5	< 0.8	5.7	< 0.8	6.9	30.7
10/7/2009	5800386	8260	< 1	< 0.8	9	< 0.8	< 2	< 0.8	9.3	< 0.8	5.7	< 0.8	9.1	33.1
1/20/2010	5888916	8260	< 1	< 0.8	10	< 0.8	< 2	< 0.8	11	< 0.8	6.8	< 0.8	7.3	35.1
4/12/2010	5951991	8260	< 1	< 0.8	7	< 0.8	< 2	< 0.8	5.7	< 0.8	3.4 J	< 0.8	6	22.1
7/14/2010	6032684	8260	< 1	< 0.8	9.3	< 0.8	< 2	< 0.8	10	< 0.8	5.6	< 0.8	6.9	31.8
10/12/2010	6109757	8260	< 1	< 0.8	11	< 0.8	< 2	< 0.8	11	< 0.8	6.3	< 0.8	7.9	36.2
1/25/2011	6191893	8260	< 1	< 0.8	8.8	< 0.8	< 2	< 0.8	10	< 0.8	5.5	< 0.8	7.1	31.4
4/19/2011	6263084	8260	< 1	< 0.8	6.7	< 0.8	< 2	< 0.8	2.8 J	< 0.8	1.5 J	< 0.8	4.3 J	15.3

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-44M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/13/2011	6343973	8260	< 1	< 0.8	11	< 0.8	< 2	< 0.8	12	< 0.8	5.9	< 0.8	7.1	36
10/12/2011	6435904	8260	< 1	< 0.8	9.9	< 0.8	< 2	0.82 J	12	< 0.8	6.1	< 0.8	6.6	35.42
1/16/2012	6523835	8260	< 1	< 0.8	8.6	< 0.8	< 2	< 0.8	11	< 0.8	5.5	< 0.8	5.7	30.8
4/9/2012	6610603	8260	< 1	< 0.8	7.2	< 0.8	< 2	< 0.8	53	< 0.8	68	< 0.8	6.5	134.7
7/18/2012	6726432	8260	< 1	< 0.8	8.7	< 0.8	< 2	< 0.8	6.5	< 0.8	3.2 J	< 0.8	3.7 J	22.1
10/2/2012	6810731	8260	< 1	< 0.8	9.3	< 0.8	< 2	< 0.8	13	< 0.8	5.2	< 0.8	7.4	34.9
1/24/2013	6934234	8260	< 1	< 0.8	8.4	< 0.8	< 2	< 0.8	11	< 0.8	4.8 J	< 0.8	4.8 J	29
4/4/2013	7011177	8260	< 1	< 0.8	6.6	< 0.8	< 2	< 0.8	26	< 0.8	46	< 0.8	4.7 J	83.3
7/8/2013	7120733	8260	< 1	< 0.8	7.7	< 0.8	< 2	< 0.8	10	< 0.8	4.5 J	< 0.8	5.1	27.3
11/12/2013	7275072	8260	< 1	< 0.8	9.3	< 0.8	< 2	< 0.8	11	< 0.8	4.6 J	< 0.8	6.8	31.7
1/16/2014	7340030	8260	< 1	< 0.8	6.8	< 0.8	< 2	< 0.8	11	< 0.8	3.8 J	< 0.8	4.4 J	26
4/16/2014	7433450	8260	< 0.5	< 0.5	6.3	< 0.5	< 2	0.6 J	20	< 0.5	53	< 0.5	2.7	82.6
7/11/2014	7531039	8260	< 0.5	< 0.5	6.9	< 0.5	< 2	0.57 J	10	< 0.5	4.1	< 0.5	3.8	25.37
10/6/2014	7626652	8260	< 0.5	< 0.5	7.6	< 0.5	< 2	0.59 J	10	< 0.5	4	< 0.5	4.3	26.49
1/7/2015	7732753	8260	< 0.5	< 0.5	7.3	< 0.5	< 2	0.57 J	9.4	< 0.5	3.8	< 0.5	< 0.5	21.07
4/20/2015	7856497	8260	< 0.5	< 0.5	7.9	< 0.5	< 2	0.68 J	26	< 0.5	36	< 0.5	2.8	73.38
7/7/2015	7958378	SW8260C	< 0.5	< 0.5	6.9	< 0.5	< 2	< 0.5	10	< 0.5	3.3	< 0.5	4.3	24.5
10/5/2015	8077928	SW8260C	< 0.5	< 0.5	9.2	< 0.5	< 2	0.75 J	12	< 0.5	4.1	< 0.5	4.7	30.75
1/5/2016	8197713	SW8260C	< 0.5	< 0.5	6.5	< 0.5	< 2	0.6 J	8.5	< 0.5	2.5	< 0.5	4	22.1
12/9/2016	240-73270-20	8260C	5.9	4.4 J	4.9 J	< 5.0	3.8 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	19

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-45M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/2000	A0784701	8021	< 1.2	4.1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	4.1
11/14/2000	A0833402	624	< 1.2	2.8	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	2.8
12/13/2000	A0910401	8021	< 1.2	1.3	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	1.3
1/18/2001	A1052404	8021	< 1.2	1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	1
4/18/2001	A1361301	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	< 0.28	< 0.22	< 0.24	< 0.22	< 0.36	0
7/18/2001	A1682901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/12/2001	A1A01003	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2002	A2039404	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.72 J	7.3	< 1	0.66 J	< 1	0.24 J	8.92
4/8/2002	A2332604	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	< 1.2	< 1	< 1.8	1.1
7/8/2002	A2695504	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980606	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.21 J	< 1	0.67 J	< 1	< 1.8	0.88
1/13/2003	A3038007	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	0.67 J	< 1	< 1.8	2.27
4/8/2003	A3329702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	< 1.2	< 1	< 1.8	1.2
7/3/2003	A3639718	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2003	A3983802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/8/2004	A4026307	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/30/2004	A4619404	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/22/2004	A4A47804	8021	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	< 1	< 1	< 1	1.3
4/5/2005	A5317608	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.35 J	< 1	< 1.2	< 1	< 1.8	0.35
7/12/2005	A5733103	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2006	6G21005-02	8260	< 1	< 1	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 2	3
7/10/2007	7G11015-10	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/25/2008	5426026	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.3 J	< 0.8	< 1	1.3
7/14/2009	5723627	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/13/2010	6031613	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2011	6350146	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2012	6719393	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2013	7128196	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/14/2014	7532398	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/14/2015	7967358	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-46M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/2000	A0784702	8021	< 1.2	1.5	0.23 J	< 1	< 2.5	1.6	39	< 1	3.4	< 1	2.1	47.83
11/14/2000	A0833403	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	130 E	< 1.1	3.9	< 1.1	2.1	136
12/13/2000	A0910402	8021	< 1.6	< 1.6	< 1.6	< 1.6	3	2.4	130	< 1.6	7.2	< 1.6	5.2	147.8
1/17/2001	A1052405	8021	< 1.2	0.62 J	< 1	< 1	1.4 J	2.3	54	< 1	2.8	< 1	3.2	64.32
4/18/2001	A1361304	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	5.8	< 0.22	0.26	< 0.22	< 0.36	6.06
7/18/2001	A1682905	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.32 J	29	< 1	1.7	< 1	0.61 J	31.63
10/12/2001	A1A01004	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.46 J	41	< 1	1.1 J	< 1	2.3	44.86
1/15/2002	A2039405	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.46 J	31	< 1	1.3	< 1	1.7 J	34.46
4/9/2002	A2332611	8260	< 1.2	< 1	0.28 J	0.23 J	< 2.5	0.88 J	62 D	< 1	2.7	< 1	1.8	67.89
7/9/2002	A2695508	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	52	< 1	< 1.2	< 1	< 1.8	52
10/3/2002	A2980608	8021	< 1.6	< 1.6	< 1.6	< 1.6	< 2.5	< 1.6	120	< 1.6	6.6	< 1.6	3.3	129.9
1/14/2003	A3043003	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1	58	< 1	3.4	< 1	2.9	65.4
4/8/2003	A3329705	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	12	< 1	0.44 J	< 1	0.52 J	12.96
7/2/2003	A3639701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	36	< 1	< 1.2	< 1	1.4 J	37.4
10/9/2003	A3978812	8021	< 2.3	< 1	< 1	< 1.3	< 2.5	< 1	150	< 1	5.1	< 1	3.8	158.9
1/8/2004	A4026306	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	23	< 1	1.5	< 1	1.1 J	25.6
4/13/2004	A4331506	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	82	< 1	6.9	< 1	2.5	91.4
6/30/2004	A4619405	8021	< 1.4	< 1	1.3	< 1	< 2.5	2.6	120	< 1	8.7	< 1	6.4	139
10/22/2004	A4A47805	8021	< 1	< 1	0.67 J	< 1	< 1	1.7	130 D	< 1	9.2	< 1	4.1	145.67
1/13/2005	A5036407	8260	< 1.2	< 1.6	< 1.9	< 1	< 2.5	1.8	100	< 1.3	11	< 1.3	5.4	118.2
4/5/2005	A5317609	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	< 1.2	< 1	< 1.8	1.8
7/12/2005	A5733104	8260/5M	< 1.2	< 1	0.57 J	< 1	< 2.5	1.6	82	< 1	8.2	< 1	5.6	97.97
7/20/2006	6G21005-01	8260	< 1	< 1	< 1	< 1	3	1	59	< 1	7	< 1	4	74
7/10/2007	7G11015-11	8260	< 1	< 1	< 1	< 1	< 2	< 1	33	< 1	5	< 1	2	40
7/25/2008	5426034	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	18	< 0.8	1.2 J	< 0.8	2.7 J	21.9
7/14/2009	5723629	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	28	< 0.8	4.3 J	< 0.8	3.2 J	35.5
7/13/2010	6031617	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	29	< 0.8	7.7	< 0.8	2.7 J	39.4
7/19/2011	6350138	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	38	< 0.8	8.9	< 0.8	3 J	49.9
7/12/2012	6719403	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	46	< 0.8	10	< 0.8	3.3 J	59.3
7/15/2013	7128197	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	49	< 0.8	10	< 0.8	2.5 J	61.5
7/14/2014	7532396	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.51 J	32	< 0.5	5.1	< 0.5	1.9	39.51
7/14/2014	7532399	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.51 J	32	< 0.5	5.1	< 0.5	1.9	39.51
7/14/2015	7967349	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1.2	55	< 0.5	14	< 0.5	2.4	72.6
7/14/2015	7967359	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1.2	55	< 0.5	14	< 0.5	2.4	72.6
12/5/2016	240-73125-2	8260C	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	0.97 J	66	< 3.3	14	< 3.3	7.6	88.57

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-48M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/20/2000	A0263903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	26	< 1	89	< 1	< 1.8	115
7/17/2000	A0500402	8021	< 1.2	< 1	< 1	< 1	2.9	< 1	32	< 1	48	< 1	5.9	88.8
10/24/2000	A0760706	8021	< 1.2	< 1	< 1	< 1	< 2.5	2.5	70	< 1	32	< 1	14	118.5
1/15/2001	A1041306	8021	< 1.2	< 1	< 1	< 1	< 2.5	5.8	77	< 1	31	< 1	18	131.8
4/25/2001	A1382104	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	37	< 1	< 1.8	47
7/11/2001	A1648712	8021	< 1.2	0.84 J	< 1	< 1	1.2 J	2.6	90	< 1	9.6	< 1	25	129.24
10/17/2001	A1A23302	8021	< 2	< 2	< 2	< 2	3.1	< 2	13	< 2	170	< 2	< 2	186.1
1/24/2002	A2076709	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.63 J	9.7	< 1	15	< 1	< 1.8	25.33
4/15/2002	A2370204	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.46 J	7.8	< 1	22	< 1	< 1.8	30.26
7/16/2002	A2722917	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.53 J	8.2	< 1	25	< 1	< 1.8	33.73
10/9/2002	A2A07505	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	8.2	< 1	17	< 1	< 1.8	25.2
1/23/2003	A3075203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.9	< 1	15	< 1	< 1.8	22.9
4/28/2003	A3399701	8021	< 1.2	< 1	< 1	< 1	< 2.5	1	16	< 1	20	< 1	0.55 J	37.55
7/18/2003	A3689002	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.67 J	12	< 1	13	< 1	< 1.8	25.67
10/22/2003	A3A28304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	10	< 1	13	< 1	< 1.8	23
1/22/2004	A4057103	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3	< 1	6.5	< 1	< 1.8	9.5
4/27/2004	A4387502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.2	< 1	8.5	< 1	< 1.8	11.7
7/13/2004	A4663802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.6	< 1	6.7	< 1	< 1.8	9.3
10/13/2004	A4A09401	8021	< 1	< 1	< 1	< 1	< 1	< 1	4.1	< 1	6.6	< 1	< 1	10.7
1/12/2005	A5036102	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	5	< 1	< 1.8	6.4
4/21/2005	A5402002	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1	< 1	4.6	< 1	< 1.8	5.6
7/21/2005	A5768402	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	5.6	< 1	< 1.8	7.2
10/20/2005	A5B92002	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.3	< 1	6.1	< 1	< 1.8	8.4
1/24/2006	A6089114	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.79 J	< 1	2.2	< 1	< 1.8	2.99
4/18/2006	6D19002-01	8260	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	3	< 1	< 2	5
7/21/2006	6G21018-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	4	< 1	< 2	6
10/12/2006	6J16007-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	2	< 1	< 2	2
1/5/2007	7A05012-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	2	< 1	< 2	2
4/11/2007	7D12002-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	3	< 1	< 2	3
7/12/2007	7G13019-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	2	< 1	< 2	2
10/11/2007	7J12012-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
1/8/2008	8A09005-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
4/10/2008	8D11008-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	3	< 1	< 2	3
7/24/2008	5424628	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.95 J	< 0.8	2.9 J	< 0.8	< 1	3.85
10/15/2008	5499971	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.4 J	< 0.8	2.9 J	< 0.8	< 1	4.3
1/14/2009	5577591	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.3 J	< 0.8	2.7 J	< 0.8	< 1	4
4/14/2009	5646767	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	< 0.8	2.9 J	< 0.8	< 1	3.9
7/9/2009	5720681	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	< 0.8	2.4 J	< 0.8	< 1	3.5
10/5/2009	5797960	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.91 J	< 0.8	2.3 J	< 0.8	< 1	3.21
1/21/2010	5889955	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2010	5954142	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.7 J	< 0.8	< 1	1.7
7/14/2010	6032690	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.7 J	< 0.8	< 1	1.7
10/14/2010	6113374	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.5 J	< 0.8	< 1	1.5
1/25/2011	6191898	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/18/2011	6261654	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.5 J	< 0.8	< 1	1.5
7/20/2011	6352284	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.2 J	< 0.8	< 1	1.2
10/11/2011	6434705	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-48M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/18/2012	6526474	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/10/2012	6612012	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	2.1 J	< 0.8	< 1	2.1
7/18/2012	6726438	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/2/2012	6810735	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/22/2013	6931411	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1 J	< 0.8	< 1	1
4/3/2013	7010222	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.8 J	< 0.8	< 1	1.8
7/9/2013	7122577	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.2 J	< 0.8	< 1	1.2
11/13/2013	7276543	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/16/2014	7340028	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/23/2014	7440681	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	3.3	< 0.5	< 0.5	3.3
7/8/2014	7526292	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	0.86 J	< 0.5	< 0.5	0.86
10/3/2014	7625311	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	0.76 J	< 0.5	< 0.5	0.76
1/7/2015	7732744	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5	1.2
1/7/2015	7732750	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5	1.2
4/16/2015	7850968	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	1.2	< 0.5	< 0.5	1.2
7/8/2015	7960002	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	0.77 J	< 0.5	< 0.5	0.77
10/5/2015	8077925	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2016	8197843	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	0.5 J	< 0.5	< 0.5	0.5
12/9/2016	240-73270-17	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	< 1.0	0.66 J	< 1.0	< 1.0	0.99

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-49M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/20/2000	A0263902	8021	< 1.2	1.4	< 1	< 1	< 2.5	< 1	2	< 1	8	< 1	< 1.8	11.4
7/17/2000	A0500401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2	< 1	1.6	< 1	< 1.8	3.6
10/24/2000	A0760707	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.1 J	< 1	< 1.8	1.1
1/15/2001	A1041305	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.2	< 1	0.55 J	< 1	< 1.8	2.75
4/25/2001	A1382103	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.72 J	< 1	2.3	< 1	< 1.8	3.02
7/11/2001	A1648717	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.74 J	< 1	1.8	< 1	< 1.8	2.54
10/17/2001	A1A23301	8021	< 2	< 2	< 2	< 2	< 2.5	< 2	2.2	< 2	120	< 2	< 2	122.2
1/24/2002	A2076706	8021	< 2	< 2	< 2	< 2	3.2	< 2	< 2	< 2	< 2	< 2	< 2	3.2
4/15/2002	A2370201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.45 J	< 1	< 1.8	0.45
7/15/2002	A2722904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/9/2002	A2A07504	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/22/2003	A3068903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/23/2003	A3376303	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2003	A3689001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.31 J	< 1	< 1.8	0.31
10/22/2003	A3A21904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/22/2004	A4057102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2004	A4663803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/13/2004	A4A09402	8021	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0
1/12/2005	A5036103	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/21/2005	A5402003	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/21/2005	A5768403	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.51 J	< 1	2.6	< 1	< 1.8	3.11
10/20/2005	A5B92003	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/24/2006	A6089115	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/18/2006	6D19002-02	8260	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 2	2
7/21/2006	6G21018-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/12/2006	6J16007-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/5/2007	7A05012-02	8260	< 1	< 1	< 1	< 1	5 B	< 1	< 1	< 1	< 1	< 1	< 2	5
4/11/2007	7D12002-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/12/2007	7G13019-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/11/2007	7J12012-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/8/2008	8A09005-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	1	< 1	< 2	1
4/10/2008	8D11008-05	8260	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 2	2
7/16/2008	5417445	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/15/2008	5499972	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/14/2009	5577588	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2009	5646768	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720679	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/5/2009	5797959	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/21/2010	5889957	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2010	5954141	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/14/2010	6032691	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/14/2010	6113375	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/25/2011	6191901	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/18/2011	6261655	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/20/2011	6352287	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/11/2011	6434706	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/17/2012	6524428	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-49M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/11/2012	6613964	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.8 J	< 0.8	< 1	1.8
4/11/2012	6613965	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.8 J	< 0.8	< 1	1.8
7/18/2012	6726440	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/2/2012	6810736	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/22/2013	6931412	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/3/2013	7010223	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2013	7122574	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
11/13/2013	7276542	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/16/2014	7340034	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/23/2014	7440683	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	1.6	< 0.5	< 0.5	1.6
7/8/2014	7526293	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/3/2014	7625310	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/7/2015	7732747	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
4/16/2015	7850969	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/8/2015	7960013	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/5/2015	8077924	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/6/2016	8197842	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/9/2016	240-73270-16	8260C	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-50M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/14/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.3	< 1	13	< 1	< 1.8	14.3
1/11/2000	A0018406	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	12	< 1	< 1.8	13.6
4/19/2000	A0259401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.9	< 1	11	< 1	< 1.8	12.9
7/11/2000	A0483114	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.39 J	< 1	8.3	< 1	< 1.8	8.69
10/18/2000	A0751308	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.28 J	< 1	6.9	< 1	< 1.8	7.18
1/16/2001	A1043903	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.7	< 1	5.8	< 1	< 1.8	7.5
4/17/2001	A1345703	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	8.6	< 1.1	< 1.8	8.6
7/13/2001	A1663810	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.32 J	< 1	6	< 1	< 1.8	6.32
10/10/2001	A1994704	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.38 J	< 1	6.1	< 1	< 1.8	6.48
1/22/2002	A2066011	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.2	< 1	10	< 1	< 1.8	12.2
4/11/2002	A2348303	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	4.7	< 1	16	< 1	< 1.8	20.7
7/12/2002	A2713908	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	7.2	< 1	19	< 1	< 1.8	26.2
10/8/2002	A2999310	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.26 J	6	< 1	10	< 1	< 1.8	16.26
1/20/2003	A3060802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.9	< 1	9.8	< 1	< 1.8	11.7
4/29/2003	A3398703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	18	< 1	< 1.8	20.4
7/16/2003	A3683702	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.2 J	3.6	< 1	14	< 1	< 1.8	17.8
10/16/2003	A3A09001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/23/2004	A4373002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	23	< 1	28	< 1	< 1.8	51
7/20/2004	A4682801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	20 E	< 1	30 E	< 1	< 1.8	104.9
7/20/2004	A4682801	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	20 E	< 1	30 E	< 1	< 1.8	104.9
10/22/2004	A4A48002	8021	< 1	< 1	< 1	< 1	< 1	0.87 J	23	< 1	32	< 1	0.59 J	56.46
1/17/2005	A5044301	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.67 J	12	< 1	27	< 1	< 1.8	39.67
4/19/2005	A5387501	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.1	16	< 1	55 D	< 1	< 1.8	72.1
7/22/2005	A5778501	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	1.2	15	< 1	51	< 1	< 1.8	67.2
7/18/2006	6G19003-11	8260	< 1	< 1	< 1	< 1	< 2	< 1	14	< 1	44	< 1	< 2	58
7/12/2007	7G13019-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	19	< 1	69	< 1	< 2	88
7/22/2008	5422168	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	25	< 0.8	91	< 0.8	< 1	117.6
7/9/2009	5720686	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.2	< 0.8	51	< 0.8	< 1	60.2
7/20/2010	6038215	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.9 J	10	< 0.8	49	< 0.8	< 1	59.9
7/21/2011	6353676	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	13	< 0.8	53	< 0.8	< 1	67
7/17/2012	6723847	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	13	< 0.8	58	< 0.8	< 1	72.1
7/15/2013	7128201	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.4 J	20	< 0.8	83	< 0.8	< 1	104.4
7/10/2014	7529505	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1.6	25	< 0.5	100	< 0.5	< 0.5	126.6
7/6/2015	7956056	SW8260C	< 0.5	0.65 J	< 0.5	< 0.5	< 2	1.5	23	< 0.5	89	< 0.5	< 0.5	114.15
7/6/2015	7956064	SW8260C	< 0.5	0.65 J	< 0.5	< 0.5	< 2	1.5	23	< 0.5	89	< 0.5	< 0.5	114.15
12/7/2016	240-73270-4	8260C	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	1.2 J	15	< 3.3	78	< 3.3	< 3.3	94.2

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-51M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/14/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/11/2000	A0018405	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/19/2000	A0259402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2000	A0483113	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/18/2000	A0751307	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2001	A1043904	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/17/2001	A1345701	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	0
7/13/2001	A1663815	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2001	A1994705	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/17/2002	A2058503	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/9/2002	A2332610	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/10/2002	A2708307	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980613	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2003	A3043009	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/17/2003	A3361703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/15/2003	A3670610	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/16/2003	A3A08902	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2004	A4682901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/22/2005	A5402102	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/22/2005	A5778403	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2006	6G19003-12	8260	< 1	< 1	< 1	< 1	4 B	< 1	< 1	< 1	< 1	< 1	< 2	4
7/11/2007	7G12003-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/22/2008	5422169	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720688	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-52M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/14/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/11/2000	A0018411	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/25/2000	A0275213	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2000	A0483102	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/24/2000	A0760704	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/18/2001	A1052402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/17/2001	A1345706	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	0
7/16/2001	A1674107	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/16/2001	A1A17407	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/17/2002	A2058504	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/16/2002	A2369802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2002	A2708308	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/11/2002	A2A14501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/7/2003	A3320705	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/2/2003	A3639702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2003	A3983801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/30/2004	A4619401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/6/2005	A5317601	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/7/2005	A5706804	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/12/2007	7G13019-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/22/2008	5422160	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720691	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/20/2010	6038217	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/21/2011	6353671	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/17/2012	6723842	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2013	7128207	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2014	7529506	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/10/2014	7529513	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/6/2015	7956065	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/7/2016	240-73270-3	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-53M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/14/1999		8260	< 1.2	4.5	< 1	< 1	< 2.5	< 1	< 1	< 1	2.3	< 1	< 1.8	6.8
1/11/2000	A0018410	8021	< 1.2	0.23 J	< 1	< 1	< 2.5	< 1	0.54 J	< 1	7.5	< 1	< 1.8	8.27
4/25/2000	A0275215	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.21 J	< 1	7.1	< 1	< 1.8	7.31
7/12/2000	A0483101	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	4.8	< 1	< 1.8	4.8
10/24/2000	A0760703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	5.1	< 1	< 1.8	5.1
1/18/2001	A1052403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.44 J	< 1	4.6	< 1	< 1.8	5.04
4/17/2001	A1345705	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	5.8	< 1.1	< 1.8	5.8
7/16/2001	A1674105	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.2 J	< 1	3.8	< 1	< 1.8	4
10/16/2001	A1A17408	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.32 J	< 1	7.1	< 1	< 1.8	7.42
1/22/2002	A2066010	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	3.8	< 1	< 1.8	3.8
4/17/2002	A2378403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	4.2	< 1	< 1.8	5.6
7/12/2002	A2713905	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	5.1	< 1	< 1.8	6.7
10/11/2002	A2A14601	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	12	< 1	< 1.8	13.6
1/20/2003	A3060803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.4	< 1	7.4	< 1	< 1.8	8.8
4/9/2003	A3329508	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.6	< 1	11	< 1	< 1.8	12.6
7/8/2003	A3649107	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.6 J	< 1	8	< 1	< 1.8	8.6
10/13/2003	A3991404	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	7.6	< 1	< 1.8	8.8
4/13/2004	A4331801	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.6	< 1	4.9	< 1	< 1.8	7.5
7/7/2004	A4636501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.5	< 1	4.6	< 1	< 1.8	7.1
10/22/2004	A4A48003	8021	< 1	< 1	< 1	< 1	< 1	< 1	1.9	< 1	9.8	< 1	< 1	11.7
1/13/2005	A5036205	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.1	< 1	3.5	< 1	1 J	6.6
4/6/2005	A5317805	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	2.1	< 1	< 1.8	3.9
7/7/2005	A5706901	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.9	< 1	1.8	< 1	< 1.8	3.7
7/19/2006	6G20004-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	2	< 1	< 2	4
7/12/2007	7G13019-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	2	< 1	2	< 1	< 2	4
7/22/2008	5422161	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	26	< 0.8	< 1	32.9
7/9/2009	5720692	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.9 J	< 0.8	9.4	< 0.8	< 1	12.3
7/20/2010	6038218	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	13	< 0.8	< 1	14.7
4/13/2011	6258129	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3 J	< 0.8	16	< 0.8	< 1	19
7/21/2011	6353670	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2 J	< 0.8	9.3	< 0.8	< 1	11.3
7/17/2012	6723839	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3 J	< 0.8	12	< 0.8	< 1	15
7/17/2012	6723845	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3 J	< 0.8	12	< 0.8	< 1	15
7/15/2013	7128206	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.3 J	< 0.8	6.7	< 0.8	< 1	8
7/10/2014	7529514	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	0.94 J	< 0.5	1.6	< 0.5	< 0.5	2.54
7/6/2015	7956068	SW8260C	< 0.5	1.8	< 0.5	< 0.5	< 2	< 0.5	1.2	< 0.5	3.4	< 0.5	< 0.5	6.4
12/7/2016	240-73270-2	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	12	< 1.0	0.48 J	16.78
12/7/2016	240-73270-6	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.3	< 1.0	12	< 1.0	0.48 J	16.78

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-54M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/18/1999		8260	< 1.2	0.35 J	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0.35
1/11/2000	A0018409	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/25/2000	A0275214	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.1	< 1	9.1	< 1	< 1.8	11.2
7/12/2000	A0483115	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.74 J	< 1	< 1.8	0.74
10/24/2000	A0760702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/22/2001	A1063401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/18/2001	A1361305	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	< 0.28	< 0.22	< 0.24	< 0.22	< 0.36	0
7/16/2001	A1674104	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/11/2001	A1994708	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2002	A2039406	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/8/2002	A2332605	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/9/2002	A2695506	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980604	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/14/2003	A3043001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/8/2003	A3320707	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649205	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2003	A3983805	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/30/2004	A4619402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/6/2005	A5317602	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/7/2005	A5706803	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/12/2007	7G13019-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/22/2008	5422162	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720689	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040538	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/21/2011	6353669	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/17/2012	6723846	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2013	7128205	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2014	7529511	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/6/2015	7956067	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-55M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/18/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/12/2000	A0026408	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/25/2000	A0275212	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2000	A0508908	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/24/2000	A0760701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/22/2001	A1063402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/18/2001	A1361302	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	< 0.28	< 0.22	< 0.24	< 0.22	< 0.36	0
7/16/2001	A1674103	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/11/2001	A1994707	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2002	A2039407	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/9/2002	A2332607	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/9/2002	A2695512	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980605	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/14/2003	A3043002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/8/2003	A3320706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649206	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2003	A3983804	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/30/2004	A4619403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/6/2005	A5317603	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/7/2005	A5706802	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-09	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/12/2007	7G13019-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/22/2008	5422163	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/9/2009	5720690	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040537	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/21/2011	6353668	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/17/2012	6723848	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2013	7128204	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2014	7529512	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/6/2015	7956066	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-56M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/28/2000	A0284304	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.68 J	42	< 1	47	< 1	< 1.8	89.68
7/13/2000	A0492205	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	70	< 1	43	< 1	< 1.8	113
10/25/2000	A0767904	8021	< 1.2	< 1	< 1	< 1	< 2.5	1.1	64	< 1	32	< 1	< 1.8	97.1
1/17/2001	A1052409	8021	< 1.2	1	0.48 J	< 1	0.56 J	2.7	71	< 1	28	< 1	2.4	106.14
4/16/2001	A1345803	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	18	< 1.1	27	< 1.1	< 1.8	45
7/16/2001	A1674111	8021	< 1.2	2.1	0.51 J	< 1	1 J	2	95	< 1	46	< 1	< 1.8	146.61
10/11/2001	A1994710	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.74 J	43	< 1	31 D	< 1	< 1.8	74.74
1/24/2002	A2076708	8021	< 2	2.3	< 2	< 2	2.5	< 2	63	< 2	280	< 2	< 2	347.8
4/15/2002	A2370203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9.8	< 1	44	< 1	< 1.8	53.8
7/16/2002	A2722905	8021	< 1.2	< 1	< 1	< 1	3	< 1	16	< 1	74	< 1	< 1.8	93
10/9/2002	A2A07502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	9.5	< 1	39	< 1	< 1.8	48.5
1/23/2003	A3075202	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	86	6.6	150	< 1.6	< 1.8	242.6
4/15/2003	A3356603	8021	< 1.4	< 1	< 1	< 1	86	1.4	29	1	80	< 1.6	< 1.8	197.4
7/21/2003	A3699403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	29	< 1	71	< 1.3	< 1.8	100
10/21/2003	A3A21901	8021	< 2.3	< 1	< 1	< 1.3	2.3 J	< 1	48	< 1	110	< 1	< 1.8	160.3
1/28/2004	A4077601	8021	< 2.3	< 1	< 1	< 1.3	< 2.5	1.7	52	< 1	200	< 1	< 1.8	253.7
4/21/2004	A4356601	8021	< 1.4	< 1	< 1	< 1	1.8 J	< 1	16	< 1	68	< 1	< 1.8	85.8
7/21/2004	A4687102	8260	< 1.2	< 1.6	< 1.9	< 1	5.1	< 1.6	19	< 1.3	110	< 1.3	< 2.9	134.1
10/20/2004	A4A32302	8021	< 2	< 2	< 2	< 2	< 2	< 2	16	< 2	84	< 2	< 2	100
1/13/2005	A5036107	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.1	22	0.64 J	160 E	< 1	< 1.8	183.74
4/22/2005	A5402001	8260	< 1.2	< 1	< 1	< 1	< 2.5	0.7 J	9.9	< 1	63	< 1	< 1.8	73.6
7/19/2005	A5762301	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	0.95 J	14	< 1	78	< 1	< 1.8	92.95
10/20/2005	A5B91901	8260	< 1.2	< 1	< 1	< 1	< 2.5	1.5	20	0.56 J	82 D	< 1	0.63 J	104.69
1/23/2006	A6084703	8260	< 1.2	< 1	< 1	< 1	< 2.5	1	17	< 1	94 D	< 1	< 1.8	112
4/12/2006	6D13005-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	7	< 1	40	< 1	< 2	47
7/19/2006	6G20004-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	13	< 1	74	< 1	< 2	87
10/10/2006	6J11002-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	9	< 1	35	< 1	< 2	44
1/8/2007	7A09003-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	13	< 1	< 2	16
4/4/2007	7D05011-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	1	< 1	8	< 1	< 2	9
7/11/2007	7G12003-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	3	< 1	16	< 1	< 2	19
10/10/2007	7J11002-06	8260	< 1	< 1	< 1	< 1	2 B	< 1	6	< 1	27	< 1	< 2	35
1/8/2008	8A09005-07	8260	< 1	< 1	1	< 1	4	< 1	23	2	60	< 1	< 2	90
4/7/2008	8D08002-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	6	< 1	20	< 1	< 2	26
7/28/2008	5426818	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	19	< 0.8	< 1	25.9
10/17/2008	5502675	8260	< 1	< 0.8	2 J	< 0.8	< 2	1.4 J	41	2 J	110	< 0.8	1.2 J	157.6
1/13/2009	5576512	8260	< 1	< 0.8	1 J	< 0.8	< 2	< 0.8	23	1.3 J	73	< 0.8	< 1	98.3
4/13/2009	5647712	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	64	< 0.8	< 1	81
7/15/2009	5724675	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.87 J	21	< 0.8	82	< 0.8	< 1	103.87
10/5/2009	5797969	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	72	< 0.8	< 1	89
1/21/2010	5889952	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.3	< 0.8	32	< 0.8	< 1	37.3
4/6/2010	5946902	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	97	< 0.8	< 1	113
7/20/2010	6038213	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	25	0.91 J	150	< 0.8	< 1	177.01
10/18/2010	6115540	8260	< 1	< 0.8	3.1 J	0.89 J	< 2	2.4 J	62	2.5 J	290	< 0.8	3.2 J	364.09
1/26/2011	6192952	8260	< 1	< 0.8	2.7 J	0.94 J	< 2	2.7 J	77	3.1 J	300	< 0.8	1.5 J	387.94
4/13/2011	6258128	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	34	1.1 J	180	< 0.8	< 1	216.4
7/19/2011	6350139	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	23	< 0.8	140	< 0.8	< 1	164.1
10/13/2011	6437684	8260	< 1	< 0.8	2.8 J	< 0.8	< 2	2.6 J	69	2 J	240	< 0.8	1.9 J	318.3

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-56M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/17/2012	6524416	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.83 J	21	< 0.8	160	< 0.8	< 1	181.83
4/3/2012	6605298	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	10	< 0.8	64	< 0.8	< 1	74
7/12/2012	6719398	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.2 J	25	< 0.8	190	< 0.8	< 1	216.2
10/3/2012	6812007	8260	< 1	< 0.8	1.8 J	0.97 J	< 2	1.7 J	200	1.7 J	99	< 0.8	2 J	307.17
1/23/2013	6932574	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	15	< 0.8	45	< 0.8	< 1	60
4/8/2013	7015029	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.97 J	27	< 0.8	110	< 0.8	< 1	137.97
7/16/2013	7129886	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.6 J	< 0.8	21	< 0.8	< 1	25.6
11/13/2013	7276550	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.2	< 0.8	46	< 0.8	< 1	54.2
1/20/2014	7342588	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.7	< 0.8	51	< 0.8	< 1	60.7
4/15/2014	7432581	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.9	< 0.5	21	< 0.5	< 0.5	24.9
7/16/2014	7535891	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.52 J	9.1	< 0.5	49	< 0.5	< 0.5	58.62
10/2/2014	7623664	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	9.4	< 0.5	47	< 0.5	< 0.5	56.4
1/8/2015	7734024	8260	< 0.5	0.55 J	< 0.5	< 0.5	< 2	< 0.5	3.3	< 0.5	19	< 0.5	< 0.5	22.85
4/14/2015	7847243	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	8.8	< 0.5	44	< 0.5	< 0.5	52.8
4/14/2015	7847250	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	8.8	< 0.5	44	< 0.5	< 0.5	52.8
7/14/2015	7967353	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.3	< 0.5	13	< 0.5	< 0.5	15.3
10/7/2015	8080771	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.69 J	14	< 0.5	67	< 0.5	< 0.5	81.69
10/7/2015	8080783	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	0.69 J	14	< 0.5	67	< 0.5	< 0.5	81.69
1/7/2016	8199644	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	23	< 0.5	99	< 0.5	< 0.5	122
12/6/2016	240-73125-5	8260C	< 14	< 14	< 14	< 14	< 14	< 14	48	< 14	330	< 14	< 14	378

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-57M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/28/2000	A0284303	8021	< 1.2	0.4 J	< 1	< 1	< 2.5	< 1	10	< 1	13	< 1	< 1.8	23.4
7/13/2000	A0492207	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.91 J	< 1	4.6	< 1	< 1.8	5.51
10/26/2000	A0767901	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/18/2001	A1052407	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3.2	< 1	1.5	< 1	< 1.8	4.7
4/16/2001	A1345802	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	0
7/16/2001	A1674108	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/11/2001	A1994709	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/18/2002	A2058507	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/10/2002	A2347903	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2002	A2708309	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/4/2002	A2986404	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056003	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/7/2003	A3320703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/9/2003	A3978811	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2004	A4664210	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/6/2005	A5317604	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5733101	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/5/2005	A5B10501	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/23/2006	A6084704	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/12/2006	6D13005-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/19/2006	6G20004-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/10/2006	6J11002-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/8/2007	7A09003-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/4/2007	7D05011-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/11/2007	7G12003-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/10/2007	7J11002-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
1/8/2008	8A09005-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/7/2008	8D08002-03	8260	< 1	< 1	< 1	< 1	3 B	< 1	< 1	< 1	< 1	< 1	< 2	3
7/28/2008	5426820	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/17/2008	5502678	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/13/2009	5576515	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.6 J	< 0.8	< 1	1.6
4/13/2009	5647716	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2009	5724674	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/5/2009	5797968	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/21/2010	5889951	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/6/2010	5946908	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/20/2010	6038208	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/18/2010	6115539	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/26/2011	6192953	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/13/2011	6258125	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2011	6350145	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/13/2011	6437687	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/17/2012	6524415	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/3/2012	6605299	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2012	6719395	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/3/2012	6812010	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0

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1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **B-57M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/23/2013	6932571	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/23/2013	6932573	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/8/2013	7015030	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/16/2013	7129885	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
11/13/2013	7276548	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
1/20/2014	7342586	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/15/2014	7432580	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/16/2014	7535888	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/2/2014	7623665	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/8/2015	7734027	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
4/14/2015	7847246	8260	< 0.5	1.8	< 0.5	< 0.5	< 2	0.69 J	21	< 0.5	240	< 0.5	< 0.5	263.49
7/14/2015	7967352	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/7/2015	8080770	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
1/7/2016	8199642	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-58M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/27/2000	A0284302	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2000	A0492206	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.86 J	< 1	< 1.8	0.86
10/25/2000	A0767902	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.79 J	< 1	2.8	< 1	< 1.8	3.59
1/17/2001	A1052408	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/16/2001	A1345801	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	< 1.4	< 1.1	< 1.2	< 1.1	< 1.8	0
7/16/2001	A1674110	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/12/2001	A1A01002	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/18/2002	A2058508	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/10/2002	A2347904	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2002	A2708310	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/4/2002	A2986405	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056004	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/7/2003	A3320704	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649204	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/9/2003	A3978813	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2004	A4664211	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/6/2005	A5317605	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	0.69 J	< 1	< 1.8	0.69
7/12/2005	A5733102	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/11/2007	7G12003-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/28/2008	5426822	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2009	5724673	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/20/2010	6038214	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2011	6350142	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2012	6719394	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2012	6719397	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/16/2013	7129893	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/16/2014	7535889	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/14/2015	7967350	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-59M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732710	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.5	< 1	< 1.8	2.5
8/5/2002	A2793604	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/7/2002	A2999201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056008	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/17/2003	A3361701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2003	A3670605	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/14/2003	A3998703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012312	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/25/2005	A5408101	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2005	A5762204	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-14	8260	< 1	< 1	< 1	< 1	4	< 1	3	< 1	3	< 1	< 2	10
7/17/2007	7G18027-09	8260	< 1	< 1	< 1	< 1	< 2	1	4	< 1	3	< 1	< 2	8
7/21/2008	5420892	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.8 J	1.1 J	< 0.8	< 1	< 0.8	< 1	1.9
7/8/2009	5719627	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036152	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.2 J	6.9	< 0.8	< 1	< 0.8	3 J	12.1
4/13/2011	6258124	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.2 J	< 0.8	< 1	< 0.8	< 1	1.2
7/12/2011	6342643	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717359	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	< 0.8	< 1	< 0.8	2.7 J	6.1
7/10/2013	7123808	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.9 J	< 0.8	< 1	< 0.8	< 1	0.9
7/15/2014	7534319	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962641	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.9	< 0.5	< 0.5	< 0.5	4.8	10.7

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-60M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732708	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	3.8	< 1	< 1.8	3.8
8/5/2002	A2793610	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/4/2002	A2986402	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056006	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/17/2003	A3361702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2003	A3670604	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/14/2003	A3998702	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/8/2004	A4026302	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664205	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/22/2005	A5402103	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2005	A5762205	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-10	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2007	7G18027-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/21/2008	5420895	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719625	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036153	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2011	6342644	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717358	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123811	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534311	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/15/2014	7534312	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962629	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962640	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-61M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/18/2002	A2732705	8021	< 1.2	5	< 1	< 1	< 2.5	< 1	4.8	< 1	26	< 1	< 1.8	35.8
8/5/2002	A2793611	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/3/2002	A2980612	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/16/2003	A3056007	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/14/2003	A3347501	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2003	A3670603	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/14/2003	A3998701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/8/2004	A4026301	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/14/2004	A4664206	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/25/2005	A5408102	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/20/2005	A5762206	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-11	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2007	7G18027-07	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/21/2008	5420896	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719626	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036154	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/12/2011	6342645	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2012	6717357	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123809	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534313	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962639	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-62M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732712	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.2	< 1	7.4	< 1	< 1.8	9.6
8/5/2002	A2793609	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.86 J	< 1	3.1	< 1	< 1.8	3.96
10/4/2002	A2986403	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	1.2	< 1	< 1.8	1.2
1/17/2003	A3056009	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/3/2003	A3315007	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978808	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012309	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/29/2004	A4614509	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307806	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725406	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/21/2006	6G21018-03	8260	< 1	< 1	< 1	< 1	4	< 1	< 1	< 1	< 1	< 1	< 2	4
7/17/2007	7G18027-03	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418423	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719616	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040536	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357495	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716076	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123803	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534320	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962635	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-63M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732709	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
8/5/2002	A2793605	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/13/2003	A3038006	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/3/2003	A3315004	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/8/2003	A3649201	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978807	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012305	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/28/2004	A4614504	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307805	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725405	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/19/2006	6G20004-13	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/18/2007	7G19011-08	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418424	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719620	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040535	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357496	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716070	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716075	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123802	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534316	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962634	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: B-64M

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732711	8021	< 1.2	17	< 1	< 1	< 2.5	< 1	< 1	< 1	8.7	< 1	< 1.8	25.7
8/5/2002	A2793606	8021	< 1.2	9.4	< 1	< 1	< 2.5	< 1	3.7	< 1	6.8	< 1	< 1.8	19.9
10/7/2002	A2999204	8021	< 1.2	0.9 J	< 1	< 1	< 2.5	< 1	0.3 J	< 1	0.96 J	< 1	< 1.8	2.16
1/15/2003	A3043011	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/3/2003	A3315005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/3/2003	A3639706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978805	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.1	< 1	< 1.2	< 1	< 1.8	1.1
1/7/2004	A4012307	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/28/2004	A4614502	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307804	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725404	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/21/2006	6G21018-04	8260	< 1	< 1	< 1	< 1	5 B	< 1	< 1	< 1	< 1	< 1	< 2	5
7/17/2007	7G18027-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418425	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719619	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040531	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357497	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716071	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123804	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534317	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962633	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-65M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732713	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	2.6	< 1	< 1.8	2.6
8/5/2002	A2793607	8021	< 1.2	0.24 J	< 1	< 1	< 2.5	< 1	< 1	< 1	0.49 J	< 1	< 1.8	0.73
10/7/2002	A2999203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/15/2003	A3043010	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/3/2003	A3315006	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/3/2003	A3639707	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978806	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012308	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/29/2004	A4614508	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307803	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725403	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/21/2006	6G21018-05	8260	< 1	< 1	< 1	< 1	3 B	< 1	< 1	< 1	< 1	< 1	< 2	3
7/17/2007	7G18027-02	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418426	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719618	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/22/2010	6040539	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357501	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716072	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123805	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/15/2014	7534318	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962632	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-66M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/18/2002	A2732706	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	5.2	< 1	< 1.8	5.2
8/5/2002	A2793608	8021	< 1.2	0.35 J	< 1	< 1	< 2.5	< 1	< 1	< 1	2.6	< 1	< 1.8	2.95
10/7/2002	A2999202	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/14/2003	A3043005	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.38 J	< 1	0.24 J	< 1	< 1.8	0.62
4/7/2003	A3320701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/3/2003	A3639704	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012311	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/28/2004	A4614505	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307802	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725402	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2006	6G14009-01	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2007	7G18027-05	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418427	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719614	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036147	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357502	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716077	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123806	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2014	7531028	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962630	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **B-67M**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/17/2002	A2732707	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
8/5/2002	A2793613	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/4/2002	A2986401	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/14/2003	A3043006	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/3/2003	A3315001	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/3/2003	A3639705	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/8/2003	A3978802	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
1/7/2004	A4012310	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
6/28/2004	A4614506	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/4/2005	A5307801	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/12/2005	A5725401	8260/5M	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/13/2006	6G14009-02	8260	< 1	< 1	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 2	3
7/17/2007	7G18027-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
7/17/2008	5418428	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/8/2009	5719615	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/19/2010	6036146	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/26/2011	6357503	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2012	6716078	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/10/2013	7123807	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
7/11/2014	7531027	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
7/9/2015	7962631	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0

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J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **DNAPL SUMP**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/20/2000	A0508914	8021	< 20	< 20	< 20	< 20	< 20	< 20	1500	< 20	400	< 20	< 20	1900
4/25/2001	A1382102	8021	< 20	< 20	< 20	< 20	< 20	< 20	2300	< 20	14000 D	< 20	56	16356
7/12/2001	A1663804	8021	< 1.2	< 1	< 1	< 1	1.7 J	< 1	120	< 1	63	< 1	2.5	187.2
1/25/2002	A2081502	8021	< 1.2	< 1	< 1	13	1 J	15	4900 D	< 1	1600 D	1.3	9.1	6539.4
4/19/2002	A2384301	8021	< 40	< 40	< 40	< 40	< 40	< 40	5900	< 40	5000	< 40	130	11030
7/16/2002	A2722915	8021	< 40	< 40	< 40	< 40	160	< 40	3000	< 40	5500	< 40	240	8900
10/9/2002	A2A07506	8021	< 100	< 100	< 100	< 100	< 100	< 100	4400	< 100	6600	< 100	< 100	11000
1/23/2003	A3075206	8021	< 290	< 91	< 99	< 160	< 370	< 150	2800	< 190	16000	< 330	< 130	18800
4/10/2003	A3335401	8021	< 29	< 9.1	< 9.9	< 16	180	< 15	2100	< 19	2400	< 33	190	4870
7/10/2003	A3654306	8021	< 58	< 18	< 20	< 33	< 74	< 31	1700	< 37	3400	< 66	110	5210

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **P- 2**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
8/1/1984		8260		8	46	0.03	9	< 5	52	320	340	< 5	7	782.03
3/1/1985		8260	< 5	< 5	< 5	< 10	< 5	< 5	24	< 5	81	< 5	< 5	105
5/1/1985		8260	< 40	< 20	< 40	< 100	< 20	< 60	< 60	< 60	58	< 5	< 40	58
12/1/1985		8260	< 2.8	< 1.6	< 4.7	< 2.8	< 0.4	< 5	3.4	< 3.8	57	< 5	< 10	60.4
4/1/1986		8260	< 0.4	< 0.2	< 0.4	< 0.4	< 0.2	< 5	6.2	< 0.2	32	< 5	< 0.4	38.2
7/1/1986		8260	< 0.4	< 0.2	1.2	< 0.4	< 0.2	< 5	97	0.4	300	< 5	0.6	399.2
10/1/1986		8260	< 1	1.5	< 1	< 1	< 3	< 5	12	< 1	180	< 5	< 1	193.5
4/1/1987		8260	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	4.8	< 0.2	21	< 5	< 0.2	25.8
7/1/1987		8260	< 1	< 0.6	4.9	< 0.4	< 0.2	< 5	54	29	490	< 5	< 1.3	577.9
10/1/1987		8260	< 100	90	1200	67	42	< 5	3600	3700	19000	< 5	150	27849
2/1/1988		8260	< 1	< 1	< 1	< 2	< 1	< 5	32	< 1	110	< 5	< 2	142
8/1/1988		8260	< 1	8	11	< 1	< 1	< 5	39	7	82	< 5	< 2	147
11/1/1988		8260	< 0.2	< 0.2	2	0.2	0.7	< 5	190	3.6	1600	< 5	7.6	1804.1
1/1/1989		8260	< 0.1	< 5	2.6	0.4	< 0.1	2.4	48	9.5	560	0.3	1.4	624.6
4/1/1989		8260	26	< 0.05	< 0.07	< 0.03	< 0.1	< 0.1	5	< 0.03	< 0.1	< 0.03	< 0.2	31
7/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	12	< 0.3	93	< 0.3	< 1.8	105
10/1/1989		8260	< 1	< 0.5	110	6.7	< 1	1.9	140	240	1200	< 0.3	19	1717.6
1/1/1990		8260	< 5	< 2.5	< 3.5	< 5	< 25	< 5	21	< 1	190	< 1.5	< 5	211
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	3.9	< 0.3	30	< 0.3	< 1	33.9
7/1/1990		8260	< 1	< 0.5	5.4	< 1	< 5	< 1	15	16	140	< 0.3	< 1	176.4
10/1/1990		8260	< 5	7.9	720	210	< 5	11	1200	1200	1800	< 1.5	41	5189.9
1/1/1991		8260	< 1	< 0.5	< 0.7	3.1	< 5	< 1	19	4.7	170	< 0.3	< 1	196.8
4/1/1991		8260	< 6	< 2.5	< 3.5	< 6.5	< 12	< 5	9.8	2	79	< 1.5	< 9	90.8
7/1/1991		8260	< 6	3	5.8	< 6.5	< 13	< 5	120	19	920	< 1.5	< 9	1067.8
10/1/1991		8260	< 12	11	240	36	< 25	< 10	750	750	8300	< 3	42	10129
1/1/1992		8260	< 120	< 50	880	< 130	< 250	< 100	1300	2200	11000	< 30	< 180	15380
4/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	< 100	< 30	510	< 30	< 180	510
7/1/1992		8260	< 120	< 50	< 70	< 130	< 250	< 100	230	< 200	2100	< 30	< 180	2330
10/1/1992		8260	< 1.2	1.2	5.1	1.6	< 2.5	< 1	120	18	520	< 0.3	7.6	673.5
2/26/1993		8260	< 1.2	< 0.5	4.6	< 1.3	< 2.5	< 1	27	12	390	< 0.3	3.7	437.3
3/5/1993		8260	< 1.2	< 0.5	3	< 1.3	< 2.5	1	36	7.1	500	< 0.3	4.2	551.3
3/11/1993		8260	< 1.2	1.1	2.4	< 1.3	< 2.5	< 1	35	6	480	< 0.3	3.8	528.3
3/16/1993		8260	< 1.2	0.54	2.2	< 1.3	< 2.5	< 1	29	5.5	450	0.36	3.4	491
3/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.9	< 0.5	51	< 0.3	< 1.8	53.9
4/15/1993		8260	< 1.2	< 0.5	3.6	< 1.3	< 2.5	< 1	8	10	110	< 0.3	< 1.8	131.6
5/6/1993		8260	< 1.2	< 0.5	3.5	< 1.3	< 2.5	< 1	23	12	350	< 0.3	< 1.8	388.5
6/4/1993		8260	< 1.2	< 0.5	8.6	< 1.3	4.1	< 1	27	26	1100	0.63	< 1.8	1166.33
6/29/1993		8260	< 1.2	< 0.5	9.8	< 1.3	< 2.5	< 1	54	27	550	< 0.3	< 1.8	640.8
8/4/1993		8260	< 1.2	< 0.5	5.5	< 1.3	7.3	1.1	66	9.9	530	< 0.3	6.2	626
9/1/1993		8260	< 12	< 5	< 7	< 13	< 25	< 10	82	7.1	480	< 3	< 18	569.1
10/6/1993		8260	< 12	< 5	< 7	< 13	29	< 1	76	5.3	690	< 3	< 18	800.3
12/31/1993		8260	< 0.5	< 0.5	1.1	< 0.5	1.1 *	< 0.5	16	0.77	330	< 0.5	3.8	352.77
1/1/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	30	< 5	300	< 5	< 10	330
1/2/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	29	< 5	690	< 5	< 10	719
1/3/1994		8260	< 0.5	< 0.5	4.2	< 0.5	0.6 *	< 0.5	37	7.4	730	< 0.5	8.2	787.4
1/4/1994		8260	< 0.5	< 0.5	11	0.6	1.2 *	< 0.5	53	25	750	< 0.5	7.7	848.5
1/6/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	56	14	860	< 0.5	9.5	939.5

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **P- 2**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/7/1994		8260	< 0.5	< 0.5	4.7	< 0.5	1 *	< 0.5	36	9	610	< 0.5	2.9	663.6
1/11/1994		8260	< 0.5	< 0.5	3.6	< 0.5	< 0.5	< 0.5	51	16	660	< 0.5	1.1	731.7
1/13/1994		8260	< 0.5	< 0.5	6.2	1.1	0.92 *	0.66	54	13.2	890	< 0.5	4.5	970.58
1/20/1994		8260	< 1.2	< 0.5	11	< 1.3	< 2.5	1.1	57	20	630	< 0.3	11	730.1
1/27/1994		8260	< 1.2	< 0.5	8.1	< 1.3	< 2.5	< 1	120	14	830	< 0.3	17	989.1
6/10/1994		8260	< 12	7.2	26	13	270	< 10	38	53	750	< 3	22	1179.2
7/6/1994		8260	< 1.2	< 0.5	3	< 1.3	< 2.5	1	57	8.9	810	< 0.3	2.2	882.1
8/16/1994		8260	< 12	< 5	9.8	< 13	< 25	< 10	74	28	500	< 3	< 18	611.8
10/7/1994		8260	< 12	< 5	< 7	< 13	< 25	< 10	61	< 5	610	< 3	< 18	671
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	4.2	4.3	96	< 1	< 2	104.5
4/4/1995		8260	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	32	< 2.5	340	< 2.5	< 5	372
6/27/1995		8260	< 10	< 10	< 10	< 10	< 10	< 10	56	< 10	860	< 10	< 20	916
10/10/1995		8260	< 12	< 5	18	< 7	< 25	< 10	130	32	790	< 7.9	< 18	970
1/11/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	33	< 6.4	480	< 7.9	< 18	513
4/2/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	28	< 6.4	490	< 7.9	< 18	518
7/11/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	48	< 6.4	510	< 7.9	< 18	558
10/4/1996		8260	< 12	5.5	< 10	< 7	< 25	< 10	31	< 6.4	620	< 7.9	< 18	656.5
1/29/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	25	< 6.4	600	< 7.9	< 18	625
4/16/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	26	< 6.4	420	< 7.9	< 18	446
7/16/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	39	< 6.4	610	< 7.9	< 18	649
10/24/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	70	< 6.4	820	< 7.9	< 18	890
1/19/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	15	< 6.4	480	< 7.9	< 18	495
4/24/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	14	< 6.4	410	< 7.9	< 18	424
7/31/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	38	< 6.4	300	< 7.9	< 18	338
10/8/1998		8260	< 60	< 25	< 50	< 35	< 130	< 50	180	< 32	1600	< 40	< 90	1780
1/21/1999		8260	< 12	5 J	< 10	< 7	< 25	< 10	120	< 6.4	1100	< 7.9	< 18	1225
4/15/1999		8260	< 12	5.7 J	< 10	< 7	< 25	< 10	45	< 6.4	320	< 7.9	< 18	370.7
7/19/1999		8260	< 12	< 5	< 10	< 7	< 25	< 10	48	< 6.4	280	< 7.9	< 18	328
10/11/1999		8260	< 1.2	< 1	< 1	< 1	1.5 J	< 1	56	< 1	430	< 1	< 1.8	487.5
1/11/2000	A0018412	8021	< 3.2	< 3.2	< 3.2	< 3.2	9	< 3.2	27	< 3.2	340	< 3.2	< 3.2	376
4/18/2000	A0259411	8021	< 1.2	< 1	1.3	< 1	< 2.5	< 1	13	9.3	140 D	< 1	< 1.8	163.6
7/12/2000	A0483106	8021	< 2	< 2	< 2	< 2	2.5	< 2	18	< 2	190	< 2	< 2	210.5
10/18/2000	A0751318	8021	< 4	< 4	< 4	< 4	6	< 4	61	< 4	350	< 4	< 4	417
1/15/2001	A1041303	8021	< 4	< 4	< 4	< 4	< 4	< 4	74	< 4	340	< 4	< 4	414
4/20/2001	A1366406	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	35	< 1.1	320 D	< 1.1	< 1.8	355
7/13/2001	A1663813	8021	< 2	< 2	< 2	< 2	3.9	< 2	39	< 2	230	< 2	< 2	272.9
9/6/2001	A1858801	8021	< 50	< 50	< 50	< 50	110	< 50	500	< 50	4800	< 50	< 50	5410
10/15/2001	A1A17406	8021	< 50	< 50	< 50	< 50	58	< 50	150	< 50	3900	< 50	< 50	4108
1/24/2002	A2076711	8021	< 160	< 160	< 160	< 160	310	< 160	740	560	8000	< 160	< 160	9610
4/19/2002	A2384302	8021	< 100	< 100	< 100	< 100	< 100	< 100	600	190	15000	< 100	< 100	15790
7/16/2002	A2722916	8021	< 160	< 160	< 160	< 160	610	< 160	1500	1000	16000	< 160	< 160	19110
10/9/2002	A2A07507	8021	< 100	< 100	< 100	< 100	< 100	< 100	540	< 100	12000	< 100	< 100	12540
4/9/2003	A3329402	8021	< 29	< 9.1	210	22	110	< 15	390	1800	1200	< 33	< 13	3732
7/10/2003	A3654303	8021	< 120	< 36	< 40	< 66	< 150	< 62	860	400	7700	< 130	< 52	8960
10/13/2003	A3991301	8021	< 120	< 20	120	< 66	100	< 40	1200	870	7500	< 9.2	< 71	9790
1/7/2004	A4012402	8021	< 120	< 20	270	< 66	< 36	< 40	1000	1800	7800	< 9.2	120	10990
4/14/2004	A4331402	8021	< 120	< 20	180	< 66	< 36	< 40	960	1800	9700	< 9.2	< 71	12640
7/7/2004	A4636803	8021	< 140	< 25	220	< 82	< 45	< 50	1100	1100	12000	< 11	< 89	14420
10/8/2004	A4994502	8021	< 250	< 250	< 250	< 250	< 1200	< 250	760	760	10000	< 250	< 250	11520
1/18/2005	A5051103	8260	< 95	< 160	< 190	< 94	< 200	< 160	860	1400	12000	< 130	< 290	14260

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **P- 2**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/4/2005	A5307503	8260	< 1.2	0.68 J	170 E	66 E	< 2.5	7.7	580 D	1300 D	8200 D	1.9	20	10346.28
7/11/2005	A5724601	8260/5M	< 64	< 70	70	< 75	< 69	< 79	710	280	9200	< 80	< 79	10260
10/5/2005	A5B10701	8260	< 27	< 34	180	< 29	< 44	< 33	530	1000	5400	< 36	< 24	7110
1/24/2006	A6089106	8260	< 33	< 42	170	< 37	< 55	< 42	770	1200	8500	< 46	< 30	10640
4/12/2006	6D13005-04	8260	< 5	< 5	124	24	11	7	638	1020	7800 D	< 5	18	9642
7/11/2006	6G12005-03	8260	< 5	< 5	102	14	22	< 5	621	411	6850 D	< 5	13	8033
10/9/2006	6J10002-03	8260	< 5	< 5	146	23	< 10	6	322	1130 D	2770 D	< 5	12	4409
1/10/2007	7A11003-04	8260	< 5	< 5	135	17	12	< 5	368	919	4950 D	< 5	10	6411
4/3/2007	7D04039-01	8260	< 5	< 5	110	23	164	9	792	897	9730 D	< 5	24	11749
7/5/2007	7G06018-04	8260	< 100	< 100	148	< 100	< 200	< 100	10400	936	372	< 100	< 200	11856
10/10/2007	7J11002-01	8260	< 25	< 25	36	< 25	< 50	< 25	2190	50	3380	< 25	80	5736
1/7/2008	8A08003-09	8260	< 25	< 25	86	< 25	86	< 25	629	722	524	< 25	< 50	2047
4/8/2008	8D09003-04	8260	< 10	< 10	102	15	< 20	< 10	1290	382	366	< 10	90	2245
7/16/2008	5417447	8260	< 5	< 4	120	11 J	< 10	6 J	2000	210	95	< 4	390	2832
10/14/2008	5498678	8260	< 2	< 1.6	190	3.1 J	< 4	5 J	1200	120	97	< 1.6	21	1636.1
1/21/2009	5582428	8260	< 1	< 0.8	86	7.6	< 2	5	920	100	280	< 0.8	70	1468.6
4/16/2009	5649165	8260	< 1	< 0.8	190	31	< 2	5.1	780	1100	260	< 0.8	160	2526.1
7/13/2009	5722296	8260	< 2	< 1.6	82	19	< 4	7.9 J	1700	350	420	< 1.6	150	2728.9
10/7/2009	5800381	8260	< 2	< 1.6	460	62	< 4	2.9 J	500	2800	250	< 1.6	65	4139.9
1/26/2010	5893226	8260	< 5	< 4	270	39	< 10	< 4	490	2300	320	< 4	39	3458
4/7/2010	5948423	8260	< 1	0.98 J	270	81	< 2	9.5	910	2200	2400	0.82 J	85	5957.3
7/21/2010	6039078	8260	< 2	< 1.6	180	31	< 4	7.8 J	1100	1100	2300	< 1.6	60	4778.8
10/12/2010	6109750	8260	< 5	< 4	580	88	< 10	12 J	1700	4700	3400	< 4	94	10574
1/24/2011	6190814	8260	< 2.5	< 2	280	47	< 5	5.6 J	800	2100	1700	< 2	31	4963.6
4/12/2011	6256723	8260	< 5	< 4	150	30	< 10	7.6 J	1100	1100	5400	< 4	41	7828.6
7/20/2011	6352280	8260	< 5	< 4	98	25	< 10	11 J	1600	630	6000	< 4	57	8421
10/12/2011	6435908	8260	< 5	< 4	210	41	< 10	9.9 J	980	1600	3700	< 4	42	6582.9
1/19/2012	6527711	8260	< 2	< 1.6	82	22	< 4	2.4 J	500	560	1600	< 1.6	5.7 J	2772.1
4/4/2012	6607024	8260	< 2	< 1.6	77	15	< 4	4.1 J	710	560	2700	< 1.6	20	4086.1
7/19/2012	6728260	8260	< 5	< 4	150	26	< 10	10 J	1700	970	7800	< 4	48	10704
10/4/2012	6814368	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	5.7	75	< 0.8	< 1	83.4
1/24/2013	6934232	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	12	2.6 J	36	< 0.8	< 1	50.6
4/4/2013	7011183	8260	< 2	< 1.6	81	22	< 4	7.9 J	640	590	6300	< 1.6	18	7658.9
7/11/2013	7125530	8260	< 1	< 0.8	77	21	< 2	9.1	780	530	8700	1.3 J	44	10162.4
11/12/2013	7275078	8260	< 5	< 4	61	15 J	< 10	4.7 J	530	390	4400	< 4	18 J	5418.7
1/17/2014	7341390	8260	< 1	< 0.8	33	9	< 2	2.5 J	260	260	2500	< 0.8	3 J	3067.5
4/14/2014	7430456	8260	< 2.5	< 2.5	94	27	< 10	4.7 J	490	790	4900	< 2.5	6.2	6311.9
7/10/2014	7529502	8260	< 5	< 5	86	28	< 20	6.2 J	720	700	6500	< 5	24	8064.2
10/6/2014	7626647	8260	< 5	< 5	87	35	< 20	6.3 J	750	550	6700	< 5	34	8162.3
1/8/2015	7734020	8260	< 2.5	< 2.5	21	7.3	< 10	4.7 J	590	120	4800	< 2.5	8.5	5551.5
4/15/2015	7849427	8260	< 0.5	0.68 J	81	28	< 2	4.5	400	480	3200	1 J	16	4211.18
7/13/2015	7965563	SW8260C	< 5	< 5	20	11	< 20	5.3 J	520	63	5700	< 5	8.2 J	6327.5
10/7/2015	8080779	SW8260C	< 1	< 1	68	22	< 4	6.5	560	450	4300	< 1	25	5431.5
1/6/2016	8197839	SW8260C	< 2.5	< 2.5	340	69	< 10	4.9 J	510	2500	2600	< 2.5	15	6038.9
12/8/2016	240-73270-12	8260C	< 200	< 200	190 J	60 J	< 200	< 200	540	1200	5100	< 200	< 200	7090

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **P- 3**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
11/1/1988		8260	< 1	< 1	< 1	< 1	1.4	< 5	21	< 1	< 1	< 5	< 1	22.4
12/1/1988		8260	< 0.4	< 0.4	< 0.4	< 0.8	2.5	< 0.3	< 0.3	< 0.4	0.6	< 5	< 2	3.1
1/1/1989		8260	< 0.1	< 5	< 0.07	< 0.1	< 0.1	< 0.1	< 1	0.5	< 0.1	< 0.03	< 0.2	0.5
4/1/1989		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	40	< 0.3	< 1	< 0.3	6.5	46.5
10/1/1989		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	2.1	< 0.3	< 1	< 0.3	< 1	2.1
1/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	< 1	< 0.3	< 1	< 0.3	< 1	0
4/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	1.5	< 0.3	< 1	< 0.3	< 1	1.5
7/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 1	< 1	1.1	< 0.3	< 1	< 0.3	< 1	1.1
10/1/1990		8260	< 1	< 0.5	< 0.7	< 1	< 5	< 1	2	< 0.3	< 1	< 0.3	< 1	2
1/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
5/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
10/1/1991		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
1/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.4	< 1.2	< 0.3	< 1.8	0
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	< 1	< 0.3	< 1.2	< 0.3	< 1.8	0
2/26/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	16	0.63	1.3	< 0.3	12	29.93
3/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	15	0.58	1.6	< 0.3	9.5	26.68
3/11/1993		8260	< 1.2	1	< 0.7	< 1.3	< 2.5	< 1	10	0.59	1.3	< 0.3	7.7	20.59
3/16/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6	< 0.5	< 1.2	< 0.3	3.5	9.5
3/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	2.2	< 0.5	< 1.2	< 0.3	< 1.8	2.2
4/15/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	4.3	0.66	< 1.2	< 0.3	2.4	7.36
5/5/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	8	< 0.5	1.2	< 0.3	3.6	12.8
6/3/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	55	1.1	65	< 0.3	19	140.1
6/28/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	50	< 0.5	6.3	< 0.3	13	69.3
8/4/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	13	< 0.5	1.7	< 0.3	5.5	20.2
10/6/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	3.8	< 1	15	< 0.5	< 1.2	< 0.3	3.8	22.6
12/31/1993		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	15	0.5	18	< 0.5	16	49.5
1/1/1994		8260	< 5	< 5	< 5	< 5	0.61 *	< 5	13	< 5	15	< 5	6.4	35.01
1/2/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.5 *	< 0.5	9.7	< 0.5	12	< 0.5	3.8	26
1/3/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.5 *	< 0.5	8.6	< 0.5	9.5	< 0.5	11	29.6
1/4/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.67 *	< 0.5	11	< 0.5	17	< 0.5	12	40.67
1/6/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	10	< 0.5	19	< 0.5	14	43
1/7/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	5.8	< 0.5	8.6	< 0.5	4.5	18.9
1/11/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	4.4	< 0.5	13	< 0.5	1	18.4
1/13/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.75 *	< 0.5	7.2	< 0.5	13	< 1	3.7	24.65
1/20/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	8.1	< 0.5	7.6	< 0.3	3.5	19.2
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	4 *	< 1	16	< 0.5	5.3	< 0.3	8.6	33.9
6/10/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	5.4	1.4	5.5	< 0.3	2.5	14.8
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	6.7	< 0.5	5.1	< 0.3	3	14.8
8/16/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	7	0.79	3.1	< 0.3	< 1.8	10.89
10/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	3.2	< 0.5	1.8	< 0.3	1.2	6.2
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	1.1	< 1	< 1	< 1	< 2	1.1
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	1.3	< 1	1	< 1	< 2	2.3
6/28/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	3.4	< 1	1.4	< 1	< 2	4.8

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **P- 3**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/10/1995		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	2.4	< 0.79	< 1.8	2.4
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	1.6	< 0.79	< 1.8	4.6
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/10/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	2.5	< 0.79	4	9.5
1/29/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	1.3	< 0.79	< 1.8	4.3
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	2.5	< 0.79	< 1.8	5.5
7/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	2	< 0.64	1.5	< 0.79	< 1.8	3.5
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
1/21/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	< 1.2	< 0.79	< 1.8	3
4/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	1.3	< 0.79	< 1.8	4.3
7/31/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/8/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	7	< 0.64	< 1.2	< 0.79	< 1.8	7
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
4/15/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	1	< 0.64	< 1.2	< 0.79	< 1.8	1
7/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/13/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.3	< 1	0.95 J	< 1	< 1.8	2.25
1/11/2000	A0018413	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	3	< 1	0.62 J	< 1	< 1.8	3.62
4/19/2000	A0259406	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.8	< 1	2	< 1	< 1.8	4.8
7/12/2000	A0483104	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.8	< 1	1.5	< 1	< 1.8	3.3
10/18/2000	A0751315	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	0.98 J	< 1	0.77 J	< 1	< 1.8	1.75
1/15/2001	A1041304	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	0.42 J	< 1	< 1.8	2.82
4/20/2001	A1366407	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	< 1.8	1.6	< 1.1	1.5	< 1.1	< 1.8	3.1
7/11/2001	A1648715	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	1.2	< 1	0.38 J	< 1	< 1.8	1.58
10/16/2001	A1A17404	8021	< 2	< 2	< 2	< 2	< 2.5	5.2	210	< 2	69	< 2	3.5	287.7
1/21/2002	A2066001	8021	< 2	< 2	< 2	< 2	< 2.5	6.5	140	< 2	< 2	< 2	< 2	146.5
4/11/2002	A2348304	8021	< 2	< 2	< 2	< 2	< 2.5	4.9	170	< 2	< 2	< 2	8.4	183.3
7/12/2002	A2713910	8021	< 1.2	< 1	< 1	< 1	< 2.5	5.8	120	< 1	4	< 1	3.5	133.3
10/8/2002	A2999305	8021	< 1.2	< 1	1.1	< 1	< 2.5	10	300	< 1	4	< 1	< 1.8	315.1
4/9/2003	A3329502	8021	< 1.4	< 1	< 1	< 1	16	< 1	52	< 1	< 1.2	< 1.6	1.8	69.8
7/8/2003	A3649104	8021	< 2.9	< 1	< 1	< 1.6	3.8	6	230	< 1.9	< 1.2	< 3.3	< 1.8	239.8
10/13/2003	A3991407	8021	< 2.9	< 1	< 1	< 1.6	< 2.5	8.2	230	< 1	< 1.2	< 1	< 1.8	238.2
1/9/2004	A4026203	8021	< 1.4	< 1	< 1	< 1	< 2.5	3.1	110	< 1	< 1.2	< 1	3.1	116.2
4/14/2004	A4331803	8021	< 1.4	< 1	< 1	< 1	< 2.5	2.4	100	< 1	4.3	< 1	< 1.8	106.7
7/6/2004	A4636509	8021	< 1.4	< 1	< 1	2.5	< 2.5	9.2	230 D	< 1	3.1	< 1	3	247.8
10/8/2004	A4994501	8021	< 5	< 5	< 5	< 5	< 25	< 5	200	< 5	< 5	< 5	< 5	200
1/12/2005	A5036201	8260	< 1.2	< 1.3	< 1.5	< 1	< 2.5	2.8	98	< 1	< 1.2	< 1	< 2.4	100.8
4/4/2005	A5307703	8260	< 1.2	< 1	< 1	< 1	< 2.5	3.2	90 D	< 1	0.43 J	< 1	1.9	95.53
7/8/2005	A5715301	8260/5M	< 1.2	< 1.1	< 1	< 1.2	1.2 J	5.7	140	< 1.1	< 1.2	< 1.3	< 1.8	146.9
10/5/2005	A5B10603	8260	< 1.2	< 1	0.55 J	< 1	< 2.5	6	120 D	< 1	0.69 J	< 1	0.98 J	128.22
1/24/2006	A6089110	8260	< 1.2	< 1	< 1	< 1	< 2.5	2.2	69	< 1	0.52 J	< 1	1.1 J	72.82
4/12/2006	6D13005-01	8260	< 1	< 1	< 1	< 1	< 2	2	63	< 1	< 1	< 1	< 2	65
7/11/2006	6G12005-04	8260	< 1	< 1	< 1	< 1	< 2	5	123	< 1	1	< 1	< 2	129
10/9/2006	6J10002-04	8260	< 1	< 1	< 1	< 1	< 2	4	88	< 1	1	< 1	< 2	93
1/9/2007	7A10006-01	8260	< 1	< 1	< 1	< 1	< 2	1	49	< 1	1	< 1	< 2	51
4/3/2007	7D04039-02	8260	< 1	< 1	< 1	< 1	25 B	1	42	< 1	< 1	< 1	< 2	68
7/5/2007	7G06018-06	8260	< 1	< 1	< 1	< 1	< 2	3	85	< 1	< 1	< 1	< 2	88
10/10/2007	7J11002-09	8260	< 1	< 1	< 1	< 1	< 2	3	61	< 1	< 1	< 1	< 2	64
1/7/2008	8A08003-07	8260	< 1	< 1	< 1	< 1	< 2	1	25	< 1	< 1	< 1	< 2	26
4/8/2008	8D09003-02	8260	< 1	< 1	< 1	< 1	3 B	2	67	< 1	< 1	< 1	< 2	72
7/16/2008	5417454	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.6 J	92	< 0.8	< 1	< 0.8	< 1	95.6

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **P- 3**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/14/2008	5498679	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	55	< 0.8	< 1	< 0.8	< 1	56.5
1/21/2009	5582429	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	33	< 0.8	< 1	< 0.8	1.2 J	35.5
4/15/2009	5647723	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	46	< 0.8	< 1	< 0.8	1.7 J	49.3
7/8/2009	5719622	8260	< 1	< 0.8	< 1	< 0.8	< 2	5.4	120	< 0.8	< 1	< 0.8	< 1	125.4
10/5/2009	5797970	8260	< 1	< 0.8	< 1	< 0.8	< 2	4 J	90	< 0.8	< 1	< 0.8	< 1	94
1/25/2010	5892347	8260	< 1	< 0.8	< 1	< 0.8	< 2	2 J	60	< 0.8	< 1	< 0.8	2.3 J	64.3
4/6/2010	5946898	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.5 J	90	< 0.8	< 1	< 0.8	2.3 J	94.8
7/21/2010	6039076	8260	< 1	< 0.8	< 1	< 0.8	< 2	5.4	100	< 0.8	< 1	< 0.8	1.3 J	106.7
10/12/2010	6109756	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.7 J	110	< 0.8	< 1	< 0.8	< 1	112.7
1/26/2011	6192954	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	27	< 0.8	< 1	< 0.8	1.4 J	29.5
4/12/2011	6256721	8260	< 1	< 0.8	< 1	< 0.8	< 2	3 J	100	< 0.8	1.1 J	< 0.8	2 J	106.1
7/12/2011	6342651	8260	< 1	< 0.8	< 1	< 0.8	< 2	4.8 J	110	< 0.8	1 J	< 0.8	< 1	115.8
10/13/2011	6437683	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.4 J	97	< 0.8	< 1	< 0.8	< 1	100.4
1/17/2012	6524421	8260	< 10	< 8	< 10	< 8	< 20	< 8	29 J	< 8	21 J	< 8	< 10	50
4/4/2012	6607022	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	38	< 0.8	< 1	< 0.8	< 1	39.3
7/16/2012	6722029	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.9 J	83	< 0.8	1.2 J	< 0.8	< 1	88.1
10/4/2012	6814367	8260	< 1	< 0.8	< 1	< 0.8	< 2	2.7 J	77	< 0.8	< 1	< 0.8	< 1	79.7
1/24/2013	6934233	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	32	< 0.8	< 1	< 0.8	< 1	33.1
4/3/2013	7010226	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.2 J	30	< 0.8	< 1	< 0.8	1.6 J	32.8
7/8/2013	7120726	8260	< 1	< 0.8	< 1	< 0.8	< 2	3.7 J	100	< 0.8	2.2 J	< 0.8	1.6 J	107.5
11/12/2013	7275080	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	46	< 0.8	< 1	< 0.8	2.6 J	48.6
1/16/2014	7340033	8260	< 1	< 0.8	< 1	< 0.8	< 2	1 J	27	< 0.8	< 1	< 0.8	< 1	28
4/15/2014	7432587	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	2	71	< 0.5	1.6	< 0.5	0.94 J	75.54
7/8/2014	7526289	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	6.4	66	< 0.5	1.2	< 0.5	11	84.6
10/6/2014	7626650	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	4.8	50	< 0.5	0.98 J	< 0.5	7.6	63.38
1/8/2015	7734023	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	3.4	39	< 0.5	0.77 J	< 0.5	7.4	50.57
4/14/2015	7847242	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	3.4	45	< 0.5	< 0.5	< 0.5	7.9	56.3
7/8/2015	7960006	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	3.3	41	< 0.5	0.72 J	< 0.5	5.7	50.72
10/5/2015	8077923	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	4.7	43	< 0.5	0.78 J	< 0.5	4.2	52.68
1/6/2016	8197840	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	3.2	34	< 0.5	< 0.5	< 0.5	2.9	40.1
12/9/2016	240-73270-21	8260C	< 1.4	< 1.4	< 1.4	< 1.4	0.8 J	3.5	45	< 1.4	0.61 J	< 1.4	2.2	52.11

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **P- 4**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/1/1992		8260	< 12	< 5	< 7	< 13	< 25	< 10	150	< 3	< 12	< 3	71	221
4/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	12	< 0.3	< 1.2	< 0.3	2.8	14.8
7/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	11	< 0.9	< 1.2	< 0.3	2.4	13.4
10/1/1992		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1.5	5.2	< 0.3	< 1.2	< 0.3	< 1.8	5.2
2/26/1993		8260	< 1.2	< 0.5	1.1	1.3	< 2.5	1.9	79	1.2	33	< 0.3	47	164.5
3/5/1993		8260	< 1.2	< 0.5	1.8	1.3	< 2.5	1.9	120	1.5	44	< 0.3	45	215.5
3/11/1993		8260	< 1.2	0.98	2.4	1.6	< 2.5	1.7	140	2	71	< 0.3	49	268.68
3/16/1993		8260	< 1.2	0.81	1.9	1.5	< 2.5	1.7	130	1.5	55	< 0.3	44	236.41
3/29/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	15	< 0.5	13	< 0.3	< 1.8	28
4/15/1993		8260	< 1.2	< 0.5	< 0.7	2.3	< 2.5	2	390	1.7	20	< 0.3	37	453
5/5/1993		8260	< 1.2	< 0.5	0.91	< 1.3	< 2.5	1.1	130	0.5	25	< 0.3	30	187.51
6/3/1993		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	15	< 0.5	6.6	< 0.3	9.9	31.5
6/28/1993		8260	< 1.2	< 0.5	2.5	1.7	< 2.5	2.6	270	2.7	210	< 0.3	56	545.5
12/31/1993		8260	< 0.5	< 0.5	1.5	< 0.5	< 0.5	2.6	150	< 0.5	250	< 0.5	60	464.1
1/1/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	120	< 5	220	< 5	70	410
1/2/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	85	< 5	190	< 5	31	306
1/3/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	95	< 0.5	200	< 0.5	45	340
1/4/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	2.6	120	0.74	250	< 0.5	38	411.34
1/6/1994		8260	< 0.5	< 0.5	0.76	< 0.5	< 0.5	< 0.5	96	< 0.5	210	< 0.5	19	325.76
1/7/1994		8260	< 0.5	< 0.5	0.65	< 0.5	0.59 *	1.3	60	0.77	140	< 0.5	18	221.31
1/11/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.67	53	0.83	190	< 0.5	19	263.5
1/13/1994		8260	< 0.5	< 0.5	0.88	0.69	0.5 *	1.5	58	1.3	150	< 0.5	20	232.87
1/20/1994		8260	< 1.2	< 0.5	1	< 1.3	< 2.5	1.3	47	1.1	100	< 0.3	18	168.4
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	2.5 *	1.2	340	1.3	400	< 0.3	59	804
6/10/1994		8260	< 1.2	< 0.5	11	3.5	< 2.5	2.3	45	26	220	< 0.3	5.1	312.9
7/6/1994		8260	< 1.2	< 0.5	12	3.6	< 2.5	2.3	78	28	200	< 0.3	15	338.9
10/7/1994		8260	< 1.2	< 0.5	2.1	2	< 2.5	2.8	37	3.5	68	< 0.3	7	122.4
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	18	< 1	49	< 1	< 2	67
4/4/1995		8260	< 1	< 1	1.2	< 1	< 1	< 1	33	2.3	74	< 1	3.7	114.2
6/28/1995		8260	< 1	< 1	1.2	< 1	< 1	< 1	20	2.8	31	< 1	2.2	57.2
10/10/1995		8260	< 1.2	< 0.5	2	< 0.7	< 2.5	1.2	35	2.2	56	< 0.79	< 1.8	96.4
1/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	21	1.3	55	< 0.79	< 1.8	77.3
4/3/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.6	46	1.6	180	< 0.79	< 1.8	229.2
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.1	31	0.9	97	< 0.79	3.5	133.5
10/4/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	34	0.93	56	< 0.79	4	94.93
1/29/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	2.2	73	< 0.64	160	< 0.79	8.5	243.7
4/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.2	24	0.97	140	< 0.79	< 1.8	166.17
7/16/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.9	41	< 0.64	72	< 0.79	4.4	119.3
10/24/1997		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.2	51	0.8	65	< 0.79	2.2	120.2
1/21/1998		8260	< 1.2	< 0.5	1	< 0.7	< 2.5	< 1	44	1.6	59	< 0.79	4.1	109.7
4/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	32	1.9	92	< 0.79	< 1.8	125.9
7/31/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	34	< 0.64	45	< 0.79	< 1.8	79
10/8/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	41	0.68	5.4	< 0.79	< 1.8	47.08
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	9	< 0.64	21	< 0.79	< 1.8	30
4/15/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	25	0.65 J	27	< 0.79	< 1.8	52.65
7/19/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	1.1	29	1.2 J	28	< 0.79	3.1 J	62.4
10/13/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	0.86 J	33	< 1	42	< 1	2.5	78.36

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E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **P- 4**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/11/2000	A0018414	8021	< 1.2	< 1	< 1	< 1	2 J	< 1	25	< 1	37	< 1	1.2 J	65.2
4/18/2000	A0259407	8021	< 1.2	< 1	< 1	< 1	< 2.5	4.6	23	< 1	49	< 1	< 1.8	76.6
7/12/2000	A0483105	8021	< 1.2	< 1	< 1	< 1	1.2 J	< 1	27	2	54	< 1	0.99 J	85.19
10/18/2000	A0751314	8021	< 1.2	< 1	< 1	< 1	0.67 J	0.5 J	18	< 1	29	< 1	0.7 J	48.87
1/12/2001	A1035111	8021	< 1.2	< 1	< 1	< 1	1.8 J	0.66 J	18	< 1	26	< 1	2.6	49.06
4/19/2001	A1361311	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	2.9	0.23	9.6	< 0.22	< 0.36	12.73
7/11/2001	A1648714	8021	< 1.2	< 1	< 1	< 1	< 2.5	0.23 J	18	< 1	4.9	< 1	< 1.8	23.13
10/16/2001	A1A17403	8021	< 1.2	< 1	< 1	< 1	1.3 J	2	220	< 1	42	< 1	< 1.8	265.3
1/21/2002	A2066002	8021	< 1.2	< 1	7.7	5.4	2.4 J	12	1600 D	3.8	490 D	< 1	17	2138.3
4/11/2002	A2348305	8021	< 10	< 10	< 10	< 10	< 10	< 10	1000	< 10	940	< 10	< 10	1940
7/12/2002	A2713911	8021	< 5	< 5	7.3	< 5	< 5	< 5	1200	< 5	360	< 5	< 5	1567.3
10/8/2002	A2999306	8021	< 8	15	< 8	< 8	< 8	< 8	480	< 8	140	< 8	< 8	635
4/9/2003	A3329503	8021	< 12	< 3.6	< 4	< 6.6	33	< 6.2	510	< 7.5	620	< 13	< 5.2	1163
7/8/2003	A3649106	8021	< 12	< 3.6	< 4	< 6.6	< 15	< 6.2	710	15	1000	< 13	< 5.2	1725
10/13/2003	A3991408	8021	< 12	< 2	23	< 6.6	9.2	17	1700	25	920	< 1	< 7.1	2694.2
1/9/2004	A4026204	8021	< 14	< 2.5	26	< 8.2	< 4.5	14	1300	22	1400	< 1.1	23	2785
4/14/2004	A4331804	8021	< 7.3	< 1.3	20	< 4.1	< 2.5	8	720	9.8	770	< 1	15	1542.8
7/6/2004	A4636507	8021	< 29	< 5.1	40	< 16	< 9	< 10	1300	31	1400	< 2.3	49	2820
10/8/2004	A4994503	8021	< 25	< 25	31	< 25	< 120	< 25	1100	< 25	1200	< 25	33	2364
1/12/2005	A5036202	8260	< 9.5	< 16	< 19	< 9.4	< 20	< 16	650	< 13	1200	< 13	43	1893
4/4/2005	A5307702	8260	< 4.8	< 8	13	< 4.7	< 9.9	< 8.1	560	< 6.3	870	< 6.4	26	1469
7/11/2005	A5724701	8260/5M	< 5.1	< 5.6	21	6.7	< 5.5	12	830	8.2	880	< 6.4	10	1767.9
10/5/2005	A5B10604	8260	< 1.3	< 1.7	33	9.3	< 2.5	16	1200 D	20	910 D	< 1.8	< 1.8	2188.3
1/23/2006	A6084706	8260	< 5.3	< 6.7	20	< 5.9	< 8.8	11	850	13	1500	< 7.3	32	2426
4/12/2006	6D13005-02	8260	< 1	< 1	15	< 1	< 2	8	583 D	10	998	< 1	11	1625
7/11/2006	6G12005-05	8260	< 1	< 1	20	6	4	12	700 D	9	869 D	< 1	< 2	1620
10/9/2006	6J10002-05	8260	< 1	< 1	30	8	< 2	16	1180 D	27	1100 D	< 1	< 2	2361
1/5/2007	7A05012-05	8260	< 1	< 1	23	6	2 B	11	734 D	20	2080 D	< 1	26	2902
4/3/2007	7D04039-03	8260	< 1	< 1	7	3	< 2	7	394 D	7	1190 D	< 1	6	1614
7/5/2007	7G06018-07	8260	< 10	< 10	< 10	< 10	< 20	< 10	499	< 10	579	< 10	< 20	1078
10/9/2007	7J10006-04	8260	< 5	< 5	9	< 5	< 10	8	570	< 5	636	< 5	< 10	1223
1/7/2008	8A08003-06	8260	< 5	< 5	15	< 5	22	10	689	8	601	< 5	< 10	1345
4/8/2008	8D09003-06	8260	< 5	< 5	12	< 5	< 10	7	431	13	1680 D	< 5	< 10	2143
7/16/2008	5417453	8260	< 1	< 0.8	9.6	3 J	< 2	7	470	6.3	610	< 0.8	< 1	1105.9
10/14/2008	5498682	8260	< 1	< 0.8	8	1.7 J	< 2	8	460	5.1	530	< 0.8	< 1	1012.8
1/14/2009	5577587	8260	< 1	< 0.8	24	7.9	< 2	11	720	38	1200	< 0.8	2 J	2002.9
4/14/2009	5646771	8260	< 2	< 1.6	12	3.5 J	< 4	6.1 J	370	23	1600	< 1.6	3.9 J	2018.5
7/9/2009	5720680	8260	< 1	< 0.8	6.6	2.3 J	< 2	6.8	390	5.6	490	< 0.8	< 1	901.3
10/5/2009	5797961	8260	< 2	< 1.6	10	3.1 J	< 4	6.7 J	560	9.2 J	780	< 1.6	< 2	1369
1/21/2010	5889956	8260	< 5	< 4	17 J	4.9 J	< 10	8.8 J	460	32	2100	< 4	< 5	2622.7
4/6/2010	5946899	8260	< 2	< 1.6	9.5 J	2.8 J	< 4	5.6 J	390	13	1600	< 1.6	6.4 J	2027.3
7/13/2010	6031624	8260	< 1	< 0.8	6.9	3.4 J	< 2	7.7	460	5.4	760	< 0.8	< 1	1243.4
10/12/2010	6109755	8260	< 1	< 0.8	6.5	1.6 J	< 2	7.1	360	6.2	530	< 0.8	< 1	911.4
1/26/2011	6192955	8260	< 2	< 1.6	36	6.8 J	< 4	11	790	14	1500	< 1.6	3.8 J	2361.6
4/12/2011	6256718	8260	< 2	< 1.6	65	12	< 4	14	1500	20	3700	1.7 J	27	5339.7
7/20/2011	6352288	8260	< 2	< 1.6	29	7.8 J	< 4	10	750	7.8 J	1400	< 1.6	< 2	2204.6
10/11/2011	6434704	8260	< 2	< 1.6	25	5.8 J	< 4	11	870	6.1 J	1200	< 1.6	< 2	2117.9
1/17/2012	6524420	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	35	< 0.8	< 1	< 0.8	1.2 J	37.3
4/4/2012	6607020	8260	< 2	< 1.6	24	5.1 J	< 4	6.7 J	530	8.6 J	1400	< 1.6	7.6 J	1982
7/17/2012	6723838	8260	< 1	< 0.8	22	5.2	< 2	11	580	6.2	890	< 0.8	< 1	1514.4

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µg/L - micrograms per liter

Well ID: **P- 4**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/2/2012	6810734	8260	< 1	< 0.8	19	3.6 J	< 2	9.2	580	4.9 J	850	< 0.8	< 1	1466.7
1/22/2013	6931414	8260	< 1	< 0.8	52	11	< 2	10	620	42	2100	2 J	19	2856
4/3/2013	7010225	8260	< 1	< 0.8	40	7.1	< 2	8.5	520	28	1900	1.9 J	11	2516.5
7/9/2013	7122573	8260	< 5	< 4	39	8.4 J	< 10	7.8 J	700	18 J	2500	< 4	16 J	3289.2
11/12/2013	7275081	8260	< 2	< 1.6	38	10	< 4	9.5 J	750	16	2700	3.4 J	31	3557.9
1/16/2014	7340027	8260	< 1	< 0.8	10	4.1 J	< 2	5.4	330	7.6	1500	1.7 J	4.9 J	1863.7
4/15/2014	7432586	8260	< 0.5	< 0.5	11	4.2	< 2	5.7	330	6.5	1200	1.5	6.5	1565.4
7/8/2014	7526290	8260	< 0.5	< 0.5	7.1	3.2	< 2	5.7	300	4.9	1100	1.9	2.8	1425.6
7/8/2014	7526291	8260	< 0.5	< 0.5	7.1	3.2	< 2	5.7	300	4.9	1100	1.9	2.8	1425.6
10/3/2014	7625312	8260	< 0.5	0.6 J	6.5	3.4	< 2	5.1	280	3.7	1000	1.1	2.7	1303.1
1/7/2015	7732751	8260	< 0.5	2.5	14	4.3	< 2	5.1	270	40	1300	0.9 J	0.9 J	1637.7
4/14/2015	7847241	8260	< 0.5	0.87 J	14	3.8	< 2	4.9	270	15	1300	1.3	0.87 J	1610.74
7/8/2015	7960007	SW8260C	< 1	< 1	15	4.2	< 4	4	290	60	1400	< 1	1.7 J	1774.9
10/5/2015	8077926	SW8260C	< 0.5	< 0.5	21	5.6	< 2	7.8	570	35	990	0.96 J	1.3	1631.66
1/6/2016	8197841	SW8260C	< 0.5	< 0.5	22	5.1	< 2	8.7	590	20	860	0.77 J	1.4	1507.97
12/8/2016	240-73270-11	8260C	< 14	< 14	16	< 14	< 14	< 14	52	< 14	140	< 14	10 J	218

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **PW- 1**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
12/31/1993		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.97	170	< 0.5	466	< 0.5	20	656.97
1/1/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	97	< 5	380	< 5	< 10	477
1/2/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	61	< 5	270	< 5	< 10	331
1/3/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.64	49	< 0.5	250	< 0.5	11	310.64
1/7/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.59 *	< 0.5	68	< 0.5	240	< 0.5	7.8	316.39
1/11/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	72	< 0.5	400	< 0.5	12	484
1/13/1994		8260	< 0.5	< 0.5	0.88	< 0.5	0.71 *	0.82	99	0.79	350	< 0.5	15	467.2
1/20/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1	100	< 0.5	770	< 0.3	3.6	874.6
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.1	240	0.77	170	< 0.3	15	1025.87
6/10/1994		8260	< 1.2	< 0.5	3.6	5	20	5.1	990	2.8	1600	< 0.3	87	2713.5
7/6/1994		8260	< 1.2	1	1.3	< 1.3	2.7	1.6	150	7.6	150	< 0.3	19	725.3
10/7/1994		8260	< 1.2	< 0.5	0.82	1.9	< 2.5	2.6	72	0.95	97	< 0.3	3.8	179.07
1/25/1995		8260	< 2	< 2	< 2	< 2	< 2	< 2	190	< 2	240	< 2	8.7	438.7
4/4/1995		8260	< 2	< 2	< 2	< 2	< 2	< 2	58	< 2	220	< 2	< 4	278
6/27/1995		8260	< 2	< 2	< 2	< 2	< 2	< 2	72	< 2	140	< 2	< 4	212
10/10/1995		8260	< 12	< 5	< 10	< 7	< 25	< 10	200	< 6.4	880	< 7.9	< 18	1080
1/11/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	100	< 6.4	330	< 7.9	< 18	430
4/2/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	160	< 6.4	890	< 7.9	< 18	1050
7/11/1996		8260	< 12	6.9	< 10	< 7	< 25	< 10	110	< 6.4	270	< 7.9	< 18	386.9
10/4/1996		8260	< 12	8.5	< 10	< 7	< 25	< 10	240	< 6.4	780	< 7.9	< 18	1028.5
1/29/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	55	< 6.4	160	< 7.9	< 18	215
4/16/1997		8260	< 12	5	< 10	< 7	< 25	< 10	190	< 6.4	680	< 7.9	< 18	875
7/16/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	140	< 6.4	1000	< 7.9	< 18	1140
10/24/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	170	< 6.4	1000	< 7.9	< 18	1170
1/19/1998		8260	< 12	6.5	< 10	< 7	< 25	< 10	250	< 6.4	1300	< 7.9	< 18	1556.5
4/24/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	120	< 6.4	570	< 7.9	< 18	690
7/24/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	170	< 6.4	420	< 7.9	< 18	590
10/8/1998		8260	< 12	< 5	< 10	< 7	< 25	< 10	110	< 6.4	430	< 7.9	< 18	540
1/21/1999		8260	< 12	5.9 J	< 10	< 7	< 25	< 10	150	< 6.4	290	< 7.9	< 18	445.9
4/15/1999		8260	< 12	8.1 J	< 10	< 7	< 25	< 10	140	< 6.4	320	< 7.9	< 18	468.1
7/19/1999		8260	< 12	< 5	< 10	< 7	< 25	< 10	180	< 6.4	310	< 7.9	< 18	490
10/13/1999		8260	< 1.2	< 1	1.2	0.32 J	< 2.5	2.8	180	< 1	270	< 1	0.86 J	455.18
1/12/2000	A0026404	8021	< 4	< 4	< 4	< 4	8.8	< 4	130	< 4	240	< 4	< 4	378.8
4/19/2000	A0259412	8021	< 4	< 4	< 4	< 4	4.5	< 4	110	< 4	500	< 4	< 4	614.5
7/12/2000	A0483103	8021	< 2	< 2	< 2	< 2	2.4 J	< 2	70	< 2	150	< 2	< 2	222.4
10/18/2000	A0751316	8021	< 2	< 2	< 2	< 2	2.8	< 2	120	< 2	240	< 2	2	364.8
1/12/2001	A1035112	8021	< 2	< 2	< 2	< 2	5.6	< 2	71	< 2	150	< 2	< 2	226.6
4/20/2001	A1366403	624	< 1.2	< 1.5	< 1.8	< 1.4	< 2.5	2.4	84	< 1.1	330 D	< 1.1	1.9	418.3
7/11/2001	A1648702	8021	< 1.2	< 1	< 1	< 1	2.9	1.3	83	< 1	140	< 1	4.7	231.9
9/7/2001	A1863501	8021	< 25	< 25	< 25	< 25	38	< 25	1500	< 25	2500	< 25	< 25	4038
10/16/2001	A1A17402	8021	< 800	< 800	< 800	< 800	< 800	< 800	2700	< 800	40000	< 800	< 800	42700
1/23/2002	A2076705	8021	< 800	< 800	< 800	< 800	1500	< 800	880	< 800	2000	< 800	< 800	4380
4/18/2002	A2378804	8021	< 16	< 16	< 16	< 16	23	< 16	240	< 16	1200	< 16	< 16	1463
7/16/2002	A2722914	8021	< 16	< 16	< 16	< 16	60	< 16	520	< 16	1800	< 16	< 16	2380
10/9/2002	A2A07508	8021	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	27000	< 2000	140000	< 2000	< 2000	167000
1/24/2003	A3075208	8021	< 23	< 7.3	< 7.9	< 13	< 30	< 12	920	< 15	2100	< 26	26	3046
4/9/2003	A3329403	8021	< 23	< 7.3	< 7.9	< 13	< 30	< 12	560	< 15	1900	< 26	< 10	2460

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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **PW- 1**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/10/2003	A3654305	8021	< 58	< 18	< 20	< 33	< 74	< 31	1200	< 37	3800	< 66	< 26	5000
10/13/2003	A3991302	8021	< 58	< 10	< 8.4	< 33	< 18	< 20	1200	< 12	3600	< 4.6	< 35	4800
1/9/2004	A4026101	8021	< 23	< 4.1	< 3.4	< 13	< 7.2	18	380	< 4.8	1300	< 1.8	25	1723
4/14/2004	A4331403	8021	< 120	< 20	< 17	< 66	< 36	< 40	1400	< 24	4500	< 9.2	< 71	5900
7/6/2004	A4636805	8021	< 23	< 4.1	< 3.4	< 13	< 7.2	< 8	540	< 4.8	1600	< 1.8	43	2183
10/7/2004	A4994204	8021	< 10	< 10	< 10	< 10	< 50	< 10	170	< 10	130	< 10	< 10	300
1/12/2005	A5036101	8260	< 1.9	< 3.2	6.9	4.5	< 4	6.1	600 D	5.5	2400 D	< 2.5	< 5.9	3023
4/4/2005	A5307501	8260	< 1.2	< 1	1.2	0.61 J	< 2.5	1.9	350 D	0.71 J	1500 BD	2	6.8	1863.22
7/11/2005	A5724602	8260/5M	< 5.1	< 5.6	5.3	< 6	< 5.5	< 6.3	410	< 5.6	870 D	< 6.4	18	1303.3
10/5/2005	A5B10702	8260	< 5.3	< 6.7	< 5.5	< 5.9	< 8.8	< 6.6	390	11	1300	< 7.3	13	1714
1/26/2006	A6102404	8260	< 1.2	< 1	2.3	0.69 J	< 2.5	1.9	200 D	2.5	900 D	< 1	2.4	1109.79
4/13/2006	6D14002-07	8260	< 1	< 1	2	< 1	< 2	2	146	< 1	636 D	< 1	6	792
7/11/2006	6G12005-01	8260	< 1	< 1	2	< 1	4	2	143	2	449 D	< 1	< 2	602
10/9/2006	6J10002-02	8260	< 1	< 1	< 1	< 1	< 2	2	114	< 1	871 D	< 1	3	990
1/9/2007	7A10006-02	8260	< 1	< 1	3	< 1	< 2	2	185	3	638 D	< 1	7	838
4/3/2007	7D04039-04	8260	< 1	< 1	6	2	< 2	3	302 D	6	1040 D	< 1	20	1379
7/5/2007	7G06018-05	8260	< 2	< 2	< 2	< 2	< 4	< 2	68	< 2	235	< 2	6	309
10/9/2007	7J10006-07	8260	< 2	< 2	4	< 2	< 4	3	304	< 2	1090 D	< 2	13	1414
1/7/2008	8A08003-08	8260	< 10	< 10	< 10	< 10	31	< 10	84	< 10	463	< 10	< 20	578
4/8/2008	8D09003-03	8260	< 5	< 5	12	< 5	16 B	< 5	455	7	1690 D	< 5	31	2211
7/21/2008	5420903	8260	< 1	< 0.8	1.3 J	< 0.8	< 2	1.6 J	120	< 0.8	1500	< 0.8	7.5	1630.4
10/14/2008	5498687	8260	< 50	< 40	110 J	54 J	< 100	60 J	10000	< 40	41000	< 40	180 J	51404
1/13/2009	5576508	8260	< 1	< 0.8	18	5	< 2	5.6	570	17	2100	< 0.8	30	2745.6
4/15/2009	5647722	8260	< 2	< 1.6	11	2.8 J	< 4	3.6 J	400	11	1300	< 1.6	19	1747.4
7/7/2009	5718471	8260	< 1	< 0.8	1.6 J	< 0.8	< 2	1.6 J	110	1.1 J	430	< 0.8	5.6	549.9
10/7/2009	5800383	8260	< 1	< 0.8	2.3 J	0.85 J	< 2	1.9 J	160	2 J	470	< 0.8	9.3	646.35
1/20/2010	5888923	8260	< 2	< 1.6	11	1.8 J	< 4	2.6 J	340	11	1200	< 1.6	11	1577.4
4/7/2010	5948422	8260	< 1	< 0.8	11	3.4 J	< 2	3.6 J	370	7.2	1300	< 0.8	24	1719.2
7/14/2010	6032689	8260	< 1	< 0.8	3 J	1.2 J	< 2	2 J	180	2.1 J	470	< 0.8	6.7	665
10/12/2010	6109752	8260	< 1	< 0.8	2.6 J	0.98 J	< 2	2.8 J	290	< 0.8	420	< 0.8	4.7 J	721.08
1/25/2011	6191894	8260	< 2.5	< 2	8.2 J	3 J	< 5	4 J	400	5.7 J	1800	< 2	12 J	2232.9
4/12/2011	6256717	8260	< 1	< 0.8	3.2 J	1.4 J	< 2	2.4 J	260	2.8 J	1400	< 0.8	2.9 J	1672.7
7/13/2011	6343975	8260	< 1	< 0.8	10	4.3 J	< 2	4.7 J	460	5.6	1700	< 0.8	42	2226.6
10/12/2011	6435899	8260	< 1	< 0.8	1.8 J	< 0.8	< 2	2.1 J	120	< 0.8	530	< 0.8	6.7	660.6
1/16/2012	6523838	8260	< 1	< 0.8	8.6	2.4 J	< 2	3.2 J	300	4.9 J	1400	< 0.8	14	1733.1
4/4/2012	6607023	8260	< 1	< 0.8	8.9	3 J	< 2	3.1 J	340	4.3 J	1400	< 0.8	18	1777.3
7/18/2012	6726430	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.92 J	58	< 0.8	210	< 0.8	2.5 J	271.42
10/2/2012	6810729	8260	< 1	< 0.8	1.3 J	0.99 J	< 2	2 J	230	1.1 J	860	< 0.8	1.6 J	1096.99
1/22/2013	6931418	8260	< 1	< 0.8	4.4 J	1.6 J	< 2	2.5 J	250	3.8 J	810	< 0.8	12	1084.3
4/4/2013	7011182	8260	< 1	< 0.8	2.1 J	1.1 J	< 2	1.7 J	220	1.5 J	610	< 0.8	9.4	845.8
7/8/2013	7120731	8260	< 1	< 0.8	2.6 J	1.5 J	< 2	2 J	260	1.1 J	660	< 0.8	14	941.2
11/12/2013	7275070	8260	< 1	< 0.8	1.4 J	0.86 J	< 2	1.4 J	180	< 0.8	560	< 0.8	8.5	752.16
1/16/2014	7340021	8260	< 10	< 8	32 J	10 J	< 20	10 J	1700	12 J	4700	< 8	66	6530
4/15/2014	7432588	8260	< 0.5	< 0.5	5.8	1.7	< 2	1.8	240	1.9	710	0.72 J	9.4	971.32
7/11/2014	7531033	8260	< 0.5	< 0.5	4	1.8	< 2	1.9	280	1.7	730	0.73 J	13	1033.13
10/6/2014	7626651	8260	< 0.5	0.63 J	1	0.55 J	< 2	0.83 J	83	< 0.5	250	< 0.5	3.9	339.91
1/7/2015	7732752	8260	< 0.5	3.9	6.5	1.6	< 2	1.9	260	6.1	680	0.8 J	10	970.8
4/15/2015	7849426	8260	< 1	< 1	55	15	< 4	12	1500	31	4500	5.6	110	6228.6
7/7/2015	7958382	SW8260C	< 0.5	< 0.5	2.1	< 0.5	< 2	0.83 J	94	2.5	290	< 0.5	2.9	392.33
10/5/2015	8077930	SW8260C	< 0.5	< 0.5	1.9	0.59 J	< 2	1.4	150	3.6	380	< 0.5	3.5	540.99

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **PW- 1**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/5/2016	8197709	SW8260C	< 0.5	< 0.5	1.2	< 0.5	< 2	0.75 J	41	4.9	280	< 0.5	< 0.5	327.85
12/9/2016	240-73270-23	8260C	< 200	< 200	< 200	< 200	150 J	< 200	430	< 200	2200	< 200	< 200	2780

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **PW- 2**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
12/31/1993		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.73 *	< 0.5	14	< 0.5	290	< 0.5	1	305.73
1/1/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	210	< 5	< 10	210
1/2/1994		8260	< 5	< 5	< 5	< 5	< 5	< 5	6.2	< 5	210	< 5	< 10	216.2
1/3/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	4.2 *	< 0.5	15	< 0.5	250	< 0.5	3.7	272.9
1/4/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	22	< 0.5	200	< 0.5	4.4	226.4
1/7/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	0.73 *	< 0.5	29	< 0.5	700	< 0.5	0.84	730.57
1/11/1994		8260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	48	0.67	320	< 0.5	2	370.67
1/13/1994		8260	< 0.5	< 0.5	1.1	< 0.5	0.76 *	< 0.5	35	0.94	190	< 0.5	7.6	235.4
1/20/1994		8260	< 1.2	< 0.5	0.72	< 1.3	< 2.5	< 1	22	0.58	50	< 0.3	4	77.3
1/27/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	20	< 0.5	210	< 0.3	2.1	474.1
4/8/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	< 1	7.1	< 0.5	104	< 0.3	< 1.8	111.1
6/10/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	22	1.2	13	< 0.5	280	< 0.3	2.3	318.5
7/6/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	1.2	38	0.67	260	< 0.3	2.4	302.27
8/16/1994		8260	< 12	5.2	< 7	< 13	< 25	< 10	120	5.2	760	< 3	< 18	890.4
10/7/1994		8260	< 1.2	< 0.5	< 0.7	< 1.3	< 2.5	0.86	39	< 0.5	26	< 0.3	2.2	68.06
1/25/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	4.7	< 1	38	< 1	< 2	42.7
4/4/1995		8260	< 1	< 1	< 1	< 1	< 1	< 1	48	< 1	160	< 1	< 2	208
6/27/1995		8260	< 5	< 5	< 5	< 5	< 5	< 5	44	< 5	520	< 5	< 10	564
10/10/1995		8260	< 12	< 5	< 10	< 7	< 25	< 10	110	< 6.4	900	< 7.9	< 18	1010
1/11/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	51	< 6.4	820	< 7.9	< 18	871
4/3/1996		8260	< 12	< 5	< 10	< 7	< 25	< 10	< 10	< 6.4	120	< 7.9	< 18	120
7/11/1996		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	28	< 0.64	83	< 0.79	< 1.8	111
10/4/1996		8260	< 12	7.6	< 10	< 7	< 25	< 10	100	< 6.4	280	< 7.9	< 18	387.6
1/29/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	11	< 6.4	450	< 7.9	< 18	461
4/16/1997		8260	< 120	< 50	< 100	< 70	< 250	< 100	180	< 64	8900	< 79	< 180	9080
7/16/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	27	< 6.4	350	< 7.9	< 18	377
10/24/1997		8260	< 12	< 5	< 10	< 7	< 25	< 10	120	< 6.4	1000	< 7.9	< 18	1120
1/19/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	3	< 0.64	81	< 0.79	< 1.8	84
4/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	11	< 0.64	110	< 0.79	< 1.8	121
7/24/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	28	< 0.64	26	< 0.79	< 1.8	54
10/8/1998		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	44	< 0.64	54	< 0.79	2.1	100.1
1/21/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	19	< 0.64	23	< 0.79	< 1.8	42
4/15/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	17	< 0.64	39	< 0.79	< 1.8	56
7/19/1999		8260	< 12	< 5	< 10	< 7	< 25	< 10	19	< 6.4	140	< 7.9	< 18	159
10/11/1999		8260	< 2	< 2	< 2	< 2	3.3	< 1	75	< 2	310	< 2	< 2	388.3
1/11/2000	A0018415	8021	< 4	< 4	< 4	< 4	14	< 4	230	< 4	1500 D	< 4	< 4	1744
4/19/2000	A0259417	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	11	< 1	49	< 1	< 1.8	60
7/12/2000	A0483107	8021	< 2	< 2	< 2	< 2	2.4 J	< 2	25	< 2	140	< 2	< 2	167.4
10/18/2000	A0751317	8021	< 2	< 2	< 2	< 2	2.9	< 2	28	< 2	130	< 2	< 2	160.9
1/15/2001	A1041301	8021	< 1.2	< 1	< 1	< 1	1.6 J	< 1	24	< 1	44	< 1	< 1.8	69.6
4/19/2001	A1361314	624	< 0.24	< 0.3	< 0.36	< 0.28	< 0.5	< 0.36	1.4	< 0.22	17	< 0.22	< 0.36	18.4
7/13/2001	A1663811	8021	< 1.2	1.5	< 1	< 1	5.3	< 1	24	< 1	88	< 1	< 1.8	118.8
10/15/2001	A1A17405	8021	< 80	< 80	< 80	< 80	< 80	< 80	370	< 80	3700	< 80	< 80	4070
1/23/2002	A2076704	8021	< 1.2	< 1	< 1	< 1	2 J	< 1	7.8	< 1	55	< 1	< 1.8	64.8
4/18/2002	A2378805	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	2.4	< 1	17	< 1	< 1.8	19.4
7/16/2002	A2722913	8021	< 1.2	< 1	< 1	< 1	2.6	< 1	16	< 1	110	< 1	< 1.8	128.6
10/9/2002	A2A07509	8021	< 5	< 5	< 5	< 5	< 5	< 5	88	< 5	640	< 5	< 5	728

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **PW- 2**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/23/2003	A3075205	8021	< 5.8	< 1.8	< 2	< 3.3	< 7.4	< 3.1	31	< 3.7	270	< 6.6	< 2.6	301
4/9/2003	A3329401	8021	< 1.4	< 1	< 1	< 1	< 2.5	< 1	5	< 1	85	< 1.6	< 1.8	90

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: PW- 3

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
10/13/2003	A3991406	8021	< 1.2	< 1	< 1	5	< 2.5	4.8	840 D	< 1	1500 D	2.8	40 D	2392.6
1/7/2004	A4012401	8021	< 29	< 5.1	< 4.2	< 16	< 9	< 10	490	< 5.9	1800	< 2.3	< 18	2290
4/14/2004	A4331401	8021	< 58	< 10	< 8.4	< 33	< 18	< 20	460	< 12	2400	< 4.6	< 35	2860
7/7/2004	A4636804	8021	< 23	< 4.1	< 3.4	< 13	< 7.2	< 8	440	< 4.8	1300	20	36	1796
10/13/2004	A4A09404	8021	< 1	< 1	< 1	3.1	< 1	2.5	490 D	< 1	1200 D	4.1	3.1	1702.8
1/12/2005	A5036105	8260	< 9.5	< 16	< 19	< 9.4	< 20	< 16	700	< 13	2200 D	< 13	< 29	2900
4/4/2005	A5307502	8260	< 1.2	< 1	< 1	2	< 2.5	3.8	500 D	< 1	3700 BD	35	4.9	4245.7
7/11/2005	A5724603	8260/5M	< 26	< 28	< 26	< 30	< 28	< 31	1400	< 28	3200	< 32	36	4636
10/5/2005	A5B10703	8260	< 5.3	< 6.7	< 5.5	< 5.9	< 8.8	< 6.6	800	< 5.3	1500	< 7.3	< 4.8	2300
1/24/2006	A6089105	8260	< 5.3	< 6.7	< 5.5	< 5.9	< 8.8	< 6.6	450	< 5.3	3700 D	18	< 4.8	4168
4/13/2006	6D14002-06	8260	< 1	< 1	< 1	< 1	< 2	1	298 D	< 1	946 D	10	4	1259
7/11/2006	6G12005-02	8260	< 1	< 1	< 1	5	3	5	1150 D	< 1	3150 D	8	5	4326
10/9/2006	6J10002-06	8260	< 1	< 1	< 1	4	< 2	6	1550 D	< 1	4620 D	3	4	6187
1/9/2007	7A10006-05	8260	< 5	< 5	< 5	< 5	39	< 5	437	< 5	1940 D	21	< 10	2437
4/3/2007	7D04039-05	8260	< 1	< 1	< 1	2	< 2	3	540 D	< 1	2250 D	18	9	2822
7/5/2007	7G06018-02	8260	< 20	< 20	< 20	< 20	< 40	< 20	1320	< 20	3120	< 20	61	4501
10/9/2007	7J10006-06	8260	< 20	< 20	< 20	< 20	< 40	< 20	1400	< 20	4220 D	< 20	< 40	5620
1/7/2008	8A08003-04	8260	< 5	< 5	< 5	< 5	< 10	< 5	849	< 5	362	< 5	24	1235
4/8/2008	8D09003-05	8260	< 10	< 10	< 10	< 10	35 B	12	2910 D	< 10	2120 D	< 10	154	5231
7/16/2008	5417446	8260	< 1	< 0.8	< 1	8	< 2	5.2	770	< 0.8	630	< 0.8	130	1543.2
10/14/2008	5498677	8260	< 2	< 1.6	< 2	10 J	< 4	6.4 J	1000	< 1.6	1400	< 1.6	31	2447.4
1/15/2009	5578620	8260	< 2	< 1.6	< 2	3.2 J	< 4	2.7 J	630	< 1.6	2000	< 1.6	48	2683.9
4/13/2009	5647718	8260	< 5	< 4	< 5	4.5 J	< 10	< 4	730	< 4	2200	< 4	50	2984.5
7/7/2009	5718469	8260	< 10	< 8	< 10	19 J	< 20	15 J	2600	< 8	5000	< 8	17 J	7651
10/6/2009	5799011	8260	< 5	< 4	< 5	11 J	< 10	8.6 J	1700	< 4	5500	< 4	8 J	7227.6
1/25/2010	5892346	8260	< 10	< 8	< 10	< 8	< 20	< 8	1400	< 8	6300	< 8	49 J	7749
4/6/2010	5946901	8260	< 5	< 4	< 5	4.3 J	< 10	5.1 J	940	< 4	4300	< 4	40	5289.4
7/21/2010	6039079	8260	< 5	< 4	< 5	28	< 10	20 J	2500	< 4	4000	< 4	13 J	6561
10/12/2010	6109759	8260	< 5	< 4	< 5	8.5 J	< 10	6.8 J	1400	< 4	3100	< 4	7 J	4522.3
1/24/2011	6190813	8260	< 5	< 4	< 5	4.5 J	< 10	4.2 J	970	< 4	3400	< 4	22 J	4400.7
4/12/2011	6256722	8260	< 2	< 1.6	< 2	3 J	< 4	4.3 J	560	< 1.6	2600	1.8 J	< 2	3169.1
7/18/2011	6348763	8260	< 5	< 4	< 5	8.7 J	< 10	6.9 J	1300	< 4	3100	< 4	26	4441.6
10/12/2011	6435906	8260	< 5	< 4	< 5	7.2 J	< 10	6.9 J	1100	< 4	2900	< 4	< 5	4014.1
1/19/2012	6527712	8260	< 2	< 1.6	< 2	2.3 J	< 4	2.7 J	500	< 1.6	2000	< 1.6	2.3 J	2507.3
4/4/2012	6607030	8260	< 2	< 1.6	< 2	3 J	< 4	3.4 J	570	< 1.6	2700	< 1.6	3.9 J	3280.3
7/10/2012	6716080	8260	< 1	< 0.8	< 1	9.5	< 2	8.2	1400	< 0.8	2900	2.4 J	4.1 J	4324.2
10/4/2012	6814362	8260	< 1	< 0.8	< 1	3.2 J	< 2	2.7 J	510	< 0.8	760	3.2 J	7.5	1286.6
1/24/2013	6934231	8260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	160	< 0.8	740	4.1 J	1.4 J	906.6
4/2/2013	7007578	8260	< 1	< 0.8	< 1	0.81 J	< 2	1.1 J	170	< 0.8	510	8.2	1.7 J	691.81
7/2/2013	7117031	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	120	< 0.8	410	5.1	2.7 J	537.8
11/11/2013	7273098	8260	< 1	2.4 J	< 1	1 J	< 2	1.3 J	200	< 0.8	740	4.3 J	1.9 J	950.9
1/17/2014	7341386	8260	< 1	5.8	< 1	< 0.8	< 2	1.4 J	170	< 0.8	800	2.9 J	< 1	980.1
4/14/2014	7430458	8260	< 0.5	8.5	< 0.5	< 0.5	< 2	0.65 J	64	< 0.5	430	4.2	< 0.5	507.35
7/9/2014	7527875	8260	< 0.5	15	< 0.5	< 0.5	< 2	< 0.5	37	< 0.5	260	7	< 0.5	319
10/6/2014	7626649	8260	< 0.5	4.4	< 0.5	< 0.5	< 2	< 0.5	46	< 0.5	160	3.4	< 0.5	213.8
1/6/2015	7731159	8260	< 0.5	7	< 0.5	< 0.5	< 2	< 0.5	43	< 0.5	260	2.4	< 0.5	312.4
4/15/2015	7849425	8260	< 0.5	2.4	< 0.5	< 0.5	< 2	0.75 J	81	< 0.5	560	16	< 0.5	660.15

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D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

Well ID: **PW- 3**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
7/13/2015	7965561	SW8260C	< 1	< 1	< 1	2.2	< 4	2.6	630	< 1	1200	4.8	25	1864.6
7/13/2015	7965569	SW8260C	< 1	< 1	< 1	2.2	< 4	2.6	630	< 1	1200	4.8	25	1864.6
10/7/2015	8080778	SW8260C	< 0.5	< 0.5	< 0.5	3.2	< 2	4.2	1100	< 0.5	1300	3.1	1.5	2412
1/5/2016	8197707	SW8260C	< 1	< 1	< 1	1.9 J	< 4	2.8	680	< 1	1300	1.4 J	1.5 J	1987.6
12/8/2016	240-73270-10	8260C	< 33	< 33	< 33	< 33	< 33	< 33	350	< 33	920	< 33	< 33	1270

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J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: PW- 4

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/21/2009	5582430	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.4	< 0.8	55	< 0.8	< 1	63.4
4/16/2009	5649166	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	21	< 0.8	< 1	23.7
7/13/2009	5722294	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	62	< 0.8	350	< 0.8	1.4 J	413.4
10/6/2009	5799007	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	< 0.8	62	6.3	480	< 0.8	1.5 J	551
1/26/2010	5893225	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.4 J	< 0.8	29	< 0.8	< 1	31.4
4/7/2010	5948424	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	26	< 0.8	< 1	29.1
7/21/2010	6039077	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	44	< 0.8	320	< 0.8	< 1	364
10/12/2010	6109760	8260	< 2	< 1.6	50	4.4 J	< 4	4 J	1000	27	59	< 1.6	150	1294.4
1/24/2011	6190812	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	< 0.8	140	< 0.8	< 1	156
4/12/2011	6256725	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	26	< 0.8	< 1	28.5
7/20/2011	6352279	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	13	< 0.8	110	< 0.8	< 1	123
10/12/2011	6435907	8260	< 1	< 0.8	< 1	< 0.8	< 2	0.93 J	59	< 0.8	480	< 0.8	< 1	539.93
1/19/2012	6527713	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.8 J	< 0.8	23	< 0.8	< 1	24.8
4/4/2012	6607025	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.7 J	< 0.8	29	< 0.8	< 1	32.7
7/19/2012	6728261	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	22	< 0.8	260	< 0.8	< 1	282
10/4/2012	6814369	8260	< 2	< 1.6	40	11	< 4	11	2200	14	380	< 1.6	310	2966
1/24/2013	6934235	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	36	< 0.8	38	< 0.8	2.3 J	76.3
4/2/2013	7007577	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4 J	< 0.8	41	< 0.8	< 1	45
7/11/2013	7125531	8260	< 1	< 0.8	1.2 J	< 0.8	< 2	< 0.8	44	1.5 J	2 J	< 0.8	3 J	51.7
11/12/2013	7275079	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	5.5	< 0.8	1.3 J	23.8
1/17/2014	7341391	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.3 J	< 0.8	19	< 0.8	< 1	21.3
4/14/2014	7430457	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.7	< 0.5	16	< 0.5	< 0.5	17.7
7/10/2014	7529503	8260	< 0.5	2.9	< 0.5	< 0.5	< 2	< 0.5	1.3	< 0.5	6.9	< 0.5	< 0.5	11.1
10/6/2014	7626648	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.8	< 0.5	3.7	< 0.5	< 0.5	5.5
1/8/2015	7734022	8260	< 0.5	8.6	< 0.5	< 0.5	< 2	< 0.5	10	< 0.5	82	< 0.5	< 0.5	100.6
4/14/2015	7847240	8260	< 0.5	0.7 J	< 0.5	< 0.5	< 2	< 0.5	1.7	< 0.5	19	< 0.5	< 0.5	21.4
7/13/2015	7965562	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	4.7	< 0.5	21	< 0.5	< 0.5	25.7
10/7/2015	8080780	SW8260C	< 0.5	< 0.5	13	< 0.5	< 2	0.57 J	23	3	64	< 0.5	4.9	108.47
1/6/2016	8197838	SW8260C	< 0.5	< 0.5	53	4.4	< 2	2.4	270	110	460	0.69 J	75	975.49
12/9/2016	240-73270-22	8260C	< 18	< 18	6.6 J	< 18	12 J	< 18	340	< 18	480	< 18	< 18	838.6

< - Indicates parameter was analyzed for, but not detected at or above the reporting limit
To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
1) Non-detected concentrations have been represented as '<' for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: QUARRY POND

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
4/20/1999		8260	< 1.2	< 0.5	< 1	< 0.7	< 2.5	< 1	< 1	< 0.64	< 1.2	< 0.79	< 1.8	0
10/12/1999		8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/26/2000	A0275219	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/18/2000	A0500410	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/19/2000	A0751305	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/24/2001	A1375203	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/19/2001	A1A28803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/12/2002	A2351701	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
7/11/2002	A2708312	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/7/2002	A2999206	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/8/2003	A3329703	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/10/2003	A3983803	8021	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/5/2005	A5317607	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
10/6/2005	A5B19701	8260	< 1.2	< 1	< 1	< 1	< 2.5	< 1	< 1	< 1	< 1.2	< 1	< 1.8	0
4/13/2006	6D14002-04	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/10/2006	6J11002-10	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
4/4/2007	7D05011-06	8260	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 2	0
10/11/2007	7J12012-06	8260	< 1	< 1	< 1	< 1	2	< 1	< 1	< 1	< 1	< 1	< 2	2
4/16/2008	8D16026-02	8260	< 1	< 1	< 1	< 1	3 B	< 1	< 1	< 1	< 1	< 1	< 2	3
10/14/2008	5498681	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/20/2009	5651168	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/6/2009	5799014	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/7/2010	5948421	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/19/2010	6116889	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2011	6259037	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/10/2011	6433656	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/4/2012	6607029	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/4/2012	6607031	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
10/3/2012	6812012	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/9/2013	7016205	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
11/14/2013	7278194	8260	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 0.8	< 1	0
4/14/2014	7430448	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/2/2014	7623658	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
4/15/2015	7849421	8260	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
10/6/2015	8079118	SW8260C	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0
12/6/2016	240-73125-7	8260C	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0

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To Address the NYSDEC concerns regarding the presentation and plotting of non-detected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:
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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

B - The analyte is present in the associated method blank.
D - Result reported from a secondary dilution analysis.
E - Concentration exceeds the calibration range; Result is estimated.
J - Indicates an estimated value.
µg/L - micrograms per liter

MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well ID: **T-002**

Date	Lab Sample ID	Method	Carbon tetrachloride (µg/L)	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1-Dichloroethene (µg/L)	Methylene chloride (µg/L)	trans-1,2-Dichloroethene (µg/L)	cis-1,2-Dichloroethene (µg/L)	1,1,1-Trichloroethane (µg/L)	Trichloroethene (µg/L)	Tetrachloroethene (µg/L)	Vinyl chloride (µg/L)	Total
1/23/2013	6932569	8260	< 1	< 0.8	74	11	< 2	4.8 J	580	440	1400	8	21	2538.8
4/8/2013	7015034	8260	< 1	< 0.8	46	< 0.8	< 2	1.4 J	300	5.3	780	3.9 J	30	1166.6
7/11/2013	7125537	8260	< 5	< 4	18 J	< 4	< 10	< 4	300	< 4	580	< 4	15 J	913
11/12/2013	7275082	8260	< 1	< 0.8	24	3.2 J	< 2	3.2 J	640	54	530	4.5 J	65	1323.9
1/20/2014	7342584	8260	< 1	< 0.8	32	5 J	< 2	3.7 J	970	88	540	4.2 J	84	1726.9
4/15/2014	7432589	8260	< 0.5	< 0.5	14	2.4	< 2	2.3	440	23	450	3.8	38	973.5
7/15/2014	7534321	8260	< 0.5	< 0.5	6.7	1.3	< 2	2.1	320	3.7	600	3.3	29	966.1
10/2/2014	7623671	8260	< 0.5	< 0.5	2.2	1.6	< 2	3.3	280	4.9	1400	5.9	1.2	1699.1
1/6/2015	7731165	8260	< 0.5	0.57 J	19	2.4	< 2	2.7	290	31	820	9.3	52	1226.97
4/15/2015	7849428	8260	< 0.5	0.52 J	9.1	1.7	< 2	2.5	360	11	960	8	22	1374.82
7/15/2015	7968766	SW8260C	< 0.5	< 0.5	5.2	0.71 J	< 2	1.7	250	5.6	630	4.6	17	914.81
10/7/2015	8080781	SW8260C	< 0.5	< 0.5	2.7	< 0.5	< 2	0.7 J	130	1.1	140	0.59 J	1.7	276.79
1/7/2016	8199641	SW8260C	< 0.5	< 0.5	9	1.6	< 2	1.1	210	2.3	96	< 0.5	25	345

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

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J - Indicates an estimated value.
µg/L - micrograms per liter

Appendix D

SPDES Permit

New York State Department of Environmental Conservation
Division of Environmental Permits, 4th Floor
625 Broadway, Albany, NY 12233-1750
Phone: (518) 402-9167 • **Fax:** (518) 402-9168
Website: www.dec.ny.gov

DEC - 7 2011

Joe Martens
Commissioner

William B. Barber
Elm Holdings Inc c/o BP Exploration
4850 E 49th St Rm MBC3-147
Cuyahoga Heights, OH 44125

FACILITY INFORMATION

NAME: Former Carborundum Complex – Cory Rd
LOCATION: Wheatfield (T)
COUNTY: Niagara
SPDES NO: NY 000 1988
DEC ID NO.: 9-2940-00059/00003

Dear SPDES Permittee:

Enclosed please find a validated NOTICE/RENEWAL APPLICATION/PERMIT form renewing your State Pollutant Discharge Elimination System (SPDES) permit for the referenced facility. This validated form, together with the previously issued permit (see issuance date of this permit in Part 3 of the NOTICE/RENEWAL APPLICATION/PERMIT form), and any subsequent permit modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified therein.

The instructions and other information that you received with the NOTICE/RENEWAL APPLICATION/PERMIT package fully described procedures for renewal and modification of your SPDES permit under the Environmental Benefit Permit Strategy (EBPS). As a reminder, SPDES permits are renewed at a central location in Albany in order to make the process more efficient. All other concerns with your permit such as applications for permit modifications, permit transfers to a new owner, name changes, and other questions should be directed to the Regional Permit Administrator at the following address:

Dave Denk
NYSDEC-Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999
(716)851-7165

If you have already filed an application for modification of your permit, it will be processed separately through our regional office. If you have questions concerning this permit renewal, please contact Lindy Sue Czubernat at (518) 402-9165.

Sincerely,

Lindy Sue Czubernat

Agency Program Aide

Enclosure

cc: RPA
RWE
BWP

91-20-5 (5/97)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
State Pollutant Discharge Elimination System (SPDES)
NOTICE / RENEWAL APPLICATION / PERMIT

Please read **ALL** instructions on the back before completing this application form. Please **TYPE** or **PRINT** clearly in ink.

PART 1 - NOTICE 05/10/2011

Permittee Contact Name, Title Address

ELM HOLDINGS INC C/O BP EXPLORATION
WILLIAM B. BARBER
4850 E 49TH ST, RM MBC3-147
CUYAHOGA HEIGHTSOH 44125

Facility and SPDES Permit Information

Name: FORMER CARBORUNDUM COMPLEX - CORY
Ind. Code: 9511 County: NIAGARA
DEC No.: 9-2940-00059/00003
SPDES No.: NY 000 1988
Expiration Date: 03/31/2012
Application Due By: 10/03/2011

Are these name(s) & address(es) correct? if not, please write corrections above

The State Pollutant Discharge Elimination System Permit for the facility referenced above expires on the date indicated. You are required by law to file a complete renewal application **at least 180 days prior to expiration of your current permit**. **Note the "Application Due By" date above**

CAUTION: This short application form and attached questionnaire are the only forms acceptable for permit renewal. Sign Part 2 below and mail only this form and the completed questionnaire using the enclosed envelope *Effective April 1, 1994 the Department no longer assesses SPDES application fees*

If there are changes to your discharge, or to operations affecting the discharge, then in addition to this renewal application, you must also submit a separate permit modification application to the Regional Permit Administrator for the DEC region in which the facility is located, as required by your current permit See the reverse side of this page for instructions on filing a modification request.

PART 2 - RENEWAL APPLICATION

CERTIFICATION: I hereby affirm that under penalty of perjury that the information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to section 210 45 of the Penal Law.

William B. Barber — Name of person signing application (see instructions on back)

Project Manager — Title

William B Barber — Signature

Sept. 28, 2011 — Date

PART 3 - PERMIT (Below this line - Official Use Only)

Effective Date: 4/1/12 **Expiration Date:** 3/31/17

Stuart Fox
Permit Administrator

Address: NYSDEC - Division of Environmental Permits
Bureau of Environmental Analysis
625 Broadway, Albany, NY 12233-1750

Stuart M. Fox
Signature

DEC - 7 2011
Date

This permit together with the previous valid permit for this facility issued 4/1/07 and subsequent modifications constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified in the previously issued valid permit, modifications thereof or issued as part of this permit, including any special or general conditions attached hereto. Nothing in this permit shall be deemed to waive the Department's authority to initiate a modification of this permit on the grounds specified in 6NYCRR §621 14, 6NYCRR §754 4 or 6NYCRR §757 1 existing at the time this permit is issued or which arise thereafter.

~~Attachments: General Conditions dated __/__~~

11 SEP 29 P1 2:22

91-20-5a (5/97)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Please enter the numbers from your current permit:

DEC Number 9 - 2940 - 00059 / 0000 - 3

SPDES Number NY 000 1988

SPDES RENEWAL APPLICATION QUESTIONNAIRE

THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR COMPLETED APPLICATION

Please TYPE or PRINT neatly using adequate pressure to make ALL copies legible Keep a copy for your records

1 Has the SPDES permit for your facility been modified in the past 5 years ☒ YES ☐ NO

2 Dischargers who use, manufacture, store, handle or discharge toxic or hazardous pollutants are subject to Industrial Best Management Practices (BMP) plan requirements for toxic or hazardous substances. A BMP plan prevents or minimizes the potential for release of pollutants to receiving waters from such ancillary industrial activities, including material storage areas; plant site runoff; in-plant transfer; process and material storage areas; loading and unloading operations, and sludge and waste disposal areas

Does your facility conduct ancillary activities as described above, which are not covered by BMP requirements in your current permit? ☐ YES ☒ NO

Please indicate which of the following best describes the situation at your facility:

☐ None of the concerns on the "Self Evaluation List" seem to apply to my facility at this time and I will not be applying for a modification of the SPDES permit in the foreseeable future

☐ Yes, some of the items on the "Self Evaluation List" have led me to believe that the permit for this facility needs to be modified I already have a complete modification application pending with the Department

☐ Yes, some of the items on the "Self Evaluation List" have led me to believe that the SPDES permit for this facility may need to be Modified I have requested the appropriate forms by phone OR I have completed and attached the "Request For SPDES Application Forms" (included in this renewal package) to allow me to submit a permittee-initiated Modification application See The "Request For SPDES Application Forms" page for a toll free 800 number

☒ The items on the "Self Evaluation List" have left me unable to conclude whether my permit needs to be modified at this time I am reporting the following general concerns about my permit:

A vault water collection and conveyance system was approved by the NYSDEC in July 2011. The vault water collection and conveyance piping will route the collected water to the current groundwater treatment system. A copy of the approved system design can be transmitted to NYSDEC if requested. Operation of the vault water collection system is estimated to begin in the spring of 2012. After vault water collection system installation the operating parameters of the recovery system will be evaluated to determine if permit modifications are warranted. At present flow is anticipated to remain within current permit limits and no changes in water chemistry are anticipated.

DISTRIBUTION: Regional Water Engineer
Regional Permit Administrator
Central Office (BWP)

AECOM
257 West Genesee Street, Suite 400
Buffalo, New York 14202

716-856-5636 tel
716-856-2545 fax

April 28, 2016

New York State Department of Environmental Conservation
Division of Water
Bureau of Watershed Compliance Programs
625 Broadway, 4th Floor
Albany, NY 12233

New York State Department of Environmental Conservation
Regional Water Engineer
270 Michigan Avenue
Buffalo, NY 14203

Niagara County Health Department
5467 Upper Mountain Road
Lockport, NY 14094

Subject: **March 2016 Discharge Monitoring Report**
SPDES Permit # NY 0001988
Elm Holdings Inc., Sanborn, NY

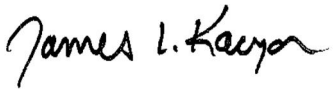
Dear Agency Representative,

On behalf of Elm Holdings Inc., AECOM Technical Services, Inc. (AECOM) is pleased to provide the enclosed Discharge Monitoring Report (DMR) for March 1, 2016 through March 31, 2016 for the subject SPDES outfall.

As shown on the attached Table 1, the field-analyzed grab samples collected for pH monitoring on March 15, 24, and 30 exhibited pH results of 5.5, 5.35, and 6.08 S.U., respectively. This deviation from historical norm was reported from the field office on April 22, 2014. AECOM immediately contacted the analytical laboratory to request a laboratory-run pH test of an unpreserved aliquot of the March 15, 2016 TSS/BOD sample. The analytical laboratory result was 8.1 S.U. (see attached laboratory report). AECOM reviewed meteorological and operating data and found no abnormal conditions during late March. AECOM also conducted an internal review of the field pH data collection SOP. In consideration of the groundwater remediation system operating data, duplicate analytical laboratory result within normal operating range for the March 15 sample, historical pH results consistently within the range of 6.5 to 8.5 S.U., and a review of the field SOP, conclude that the three abnormal field-reported pH results were most likely due to operator or meter error, and that the laboratory result is more indicative of the actual pH than the field test. AECOM has undertaken the following action items to address this event: additional training for field technician on the use and calibration of the field pH meter; replacement of pH standard buffer solutions; and, implementation of a new field SOP step using pH test strips sensitive to 0.1 S.U. as a check of the meter result and reporting of the field result to the home office immediately after collection.

Please feel free to contact me via e-mail or at (716) 923-1300 if you have any questions regarding this submittal.

Sincerely yours,



James L. Kaczor, PG
Sanborn Site Task Leader
james.kaczor@aecom.com

Attachments (Table 1 – pH Summary, Appendix B – Report of Non-compliance Event, Eurofins Laboratory Report)

Enclosure (March 2016 DMR)

cc: Brian Sadowski, NYSDEC (e-copy only)
K. Scott, Metaullics
Project File 60481767/Sanborn

Table 1
BP Sanborn SPDES temperature, pH, and total Chloride
January 5 through April 27, 2016

Date	Temp, F	pH (S.U.)	Total Residual Chlorine, mg/L	
Permit Range:	Monthly Max:	Weekly Min-Max:	Monthly Max:	
	90	6.5-8.5	0.1	
1/5/2016	57.4	6.83	NA	
1/13/2016	56.4	7.56	NA	
1/21/2016	56.8	7.49	NA	
1/26/2016	58.1	7.52	0.02	
2/3/2016	59.2	7.82	NA	
2/8/2016	58.4	7.78	NA	
2/17/2016	56.9	7.84	NA	
2/24/2016	55.0	8.16	0.04	
3/1/2016	54.0	7.53	NA	
3/9/2016	58.0	7.08	NA	
3/15/2016	54.0	5.5 / 8.1	NA	See Note 1
3/24/2016	58.3	5.35	0.04	
3/30/2016	54.8	6.08	NA	
4/5/2016	58.3	7.02	NA	
4/13/2016	57.8	7.14	NA	
4/19/2016	58.6	7.25	0.03	
4/27/2016	58.1	7.65	NA	

Note 1: Field test result 5.5 S.U.; requested laboratory pH analysis which returned result of 8.1. Using lab data, consider point compliant.

Appendix B

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact Robert Locey **DEC Region:** 9

Report Type: ___ *5 Day* X *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

SPDES #: NY- 0001988 **Facility:** Former Carborundum Complex

Date of noncompliance: 03/15 /16 **Location (Outfall, Treatment Unit, or Pump Station):** 01-A

Description of noncompliance(s) and cause(s): Field-measured pH reported between 5.35 and 6.08 S.U. Through investigation and evaluation, cause of abnormal low pH reading concluded to be due to operator or meter error; additional training and SOP mods implemented.

Has event ceased? (Yes) (~~No~~) **If so, when?** 04/05/16 **Was event due to plant upset?** (~~Yes~~) (No) **SPDES limits violated?** (Yes) (~~No~~)

Start date, time of event: 03/ 22 / 16 , ___ : ___ (AM) (PM) **End date, time of event:** 04 / 05 / 16 , ___ : ___ (AM) (PM)

Date, time oral notification made to DEC? 04 /28 /16 , 11 :00 (AM) (~~PM~~) **DEC Official contacted:** Robert Locey

Immediate corrective actions: Requested lab analysis of initial non-compliant field test result, which returned a compliant result. Initiated internal review of field SOP and data history. Field SOP updated to add redundant test for pH to backup meter read.

Preventive (long term) corrective actions: Additional training for field technician; additional SOP steps.

SECTION 3

Complete this section if the event was a bypass

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: ___/___/___

Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: James L. Kaczor **Title:** Site Task Manager **Date:** 04 / 28/ 16

Phone #: (716) 923 - 1300 **Fax #:** (716) 856 - 2545

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James L Kaczor

X POA for Elm Holdings Inc.

Signature of Principal Executive Officer or Authorized Agent

Project Name: Sanborn SPDES 60481767
LL Group #: 1641112

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

EPA 624, GC/MS Volatiles
Batch #: U160772AA (Sample number(s): 8288110-8288114 UNSPK: 8288114)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: 1,2-Dichloroethane

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Chloroform, 1,2-Dichloroethane, 1,1,1-Trichloroethane

SM 2540 D-1997, Wet Chemistry
Batch #: 16077145702A (Sample number(s): 8288115 BKG: P289369)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Total Suspended Solids

SM 5210 B-2001, Wet Chemistry
Batch #: 16076023501A (Sample number(s): 8288115 UNSPK: P287086 BKG: P287083)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Biochemical Oxygen Demand

Partial Report

Sample Description: 01A 24 hr Comp Water
Sanborn SPDES COC:
2040 Cory Drive - Sanborn, NY

LL Sample # WW 8288115
LL Group # 1641112
Account # 37314

Project Name: Sanborn SPDES 60481767

Collected: 03/15/2016 14:00 by ND

Submitted: 03/16/2016 10:00
Reported: 04/26/2016 14:01

AECOM
P.O. Box 5604
Glen Allen VA 23058

CAT No.	Analysis Name		CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Action Limit	Dilution Factor
Wet Chemistry		**EPA 170.1**		Degrees C	Degrees C	Degrees C	Degrees C	
12151	Temperature of pH		n.a.	18.8	0.010	0.010		1
		SM 4500-H+ B-2000		Std. Units	Std. Units	Std. Units	Std. Units	
12152	pH		n.a.	8.1	0.010	0.010		1

Sample Comments

State of New York Certification No. 10670

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12151	Temperature of pH	EPA 170.1	1	16117121521A	04/26/2016 13:00	Nathan T Morgan	1
12152	pH	SM 4500-H+ B-2000	1	16117121521A	04/26/2016 13:00	Nathan T Morgan	1

*=This limit was used in the evaluation of the final result
Shaded result = The results or reporting limit exceeded the client-provided Action Limit.

37314 / 1641112 / 8288110-17

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP

Chain of Custody Record

BP/ARC Project Name: BP Sanborn
Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

BP/ARC Facility No: _____
Lab Work Order Number: _____

Lab Name:	Lancaster Laboratories	BP/ARC Facility Address:	2040 Cory Dr.	Consultant/Contractor:	AECOM
Lab Address:	2425 New Holland Pike, Lancaster, PA	City, State, ZIP Code:	Sanborn, NY 14120	Consultant/Contractor Project No:	
Lab PM:	Kaitlin Plasterer	Lead Regulatory Agency:	NYSDEC	Address:	257 West Genesee St., Suite 400 Buffalo, NY 14202
Lab Phone:	717-656-2300 x 1815	California Global ID No.:		Consultant/Contractor PM:	James Kaczor
Lab Shipping Acct:		Enfos Proposal No:		Phone:	716-923-1300
Lab Bottle Order No:		Accounting Mode: 10 Provision X OOC-BU ___ OOC-RM ___		Email EDD To:	James.Kaczor@aecom.com
Other Info:		Stage: 60 Activity: 81		Invoice To:	BP/ARC ___ Contractor X
BP/ARC EBM:	Mike Teeling				
EBM Phone:					
EBM Email:	Michael.Teeling@bp.com				

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Requested Analyses: 624 + Vinyl Chloride	TSS + BOD	Total Phenols	HEM Oil + Grease
	O1A-1 Grab	3/15/2016	800		X		3				X	X			
	O1A-2 Grab	3/15/2016	1000		X		3				X	X			
	O1A-3 Grab	3/15/2016	1200		X		3				X	X			
	O1A-4 Grab	3/15/2016	1400		X		3				X	X			
	O1A Lab Comp	3/15/2016	0800-1400		x		12				X	X			
	O1A 24 hr Comp	3/15/2016	1400		x		2	X	X				X	X	
	O1A Grab	3/15/2016	1400		x		2				X				X

Report Type & QC Level: Standard ___ Full Data Package ___

Comments
Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Include Vinyl Chloride
Include Vinyl Chloride
Include Vinyl Chloride
Include Vinyl Chloride
Include Vinyl Chloride
TOTAL PHENOLS
WILL BE REPORTED
SEPARATELY.
VNP 3/17/16

				Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Nicholas Dahn								
Sampler's Company:	AECOM			Nicholas Dahn AECOM	3/15/16	1500			
Shipment Method:	FedEx	Ship Date:	3/15/2016						
Shipment Tracking No:	7758 7910 8967						[illegible] / ELLE	3/16/16	1000

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) No | Temp Blank: (Yes) No | Cooler Temp on Receipt: 0.7 °F/C | Trip Blank (Yes) No | MS/MSD Sample Submitted: Yes (No)

BP/ARC LaMP COC Rev. 6 01/01/2009

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 139591

Group Number(s): 1641112

Client: Atlantic Richfield

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	03/16/2016 10:00
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NY		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCL
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Joseph Huber (7831) at 10:49 on 03/16/2016

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	0.7	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T 717-656-2300
F 717-656-2681
www.LancasterLabs.com

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference…

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as “analyze immediately” are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3- 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******	******	******	******	59.2	deg F	0	01/30	Gr
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	90 DAILY MX	deg F		Monthly	GRAB
Flow rate	SAMPLE MEASUREMENT	97,777	99,125	gal/d	******	******	******	******	0	99/99	ms
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	144000 DAILY MX	gal/d	******	******	******	******		Continuous	METER
BOD, 5- day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	< 2.6	< 3.4	mg/L	0	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	5 DAILY MX	mg/L		Twice per Month	COMP24
pH	SAMPLE MEASUREMENT	******	******	******	5.35	******	8.16	SU	2	01/07	Gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6.5 MINIMUM	******	8.5 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	< 3.0	< 3.0	mg/L	0	02/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	20 DAILY AV	40 DAILY MX	mg/L		Twice per Month	COMP24
Oil & Grease	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	mg/L	0	02/30	Gr
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	15 DAILY MX	mg/L		Twice per Month	GRAB
Arsenic, total [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	< 2.0	ug/L	0	01/30	24
01002 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	150 DAILY MX	ug/L		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
James L. Kaczor, POA for Elm Holdings Inc.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James L Kaczor	716.923.1300	04/28/2016
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PLEASE REVIEW FOOTNOTES #1, #2, AND #3 OF PERMIT FOR DETAILED INSTRUCTIONS, AND ALSO REVIEW SPECIAL CONDITIONS INVOLVING CERTAIN PARAMETERS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3- 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, total [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.3	ug/L	0	01/30	24
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	3.9 DAILY MX	ug/L		Monthly	COMP24
Chromium, total [as Cr]	SAMPLE MEASUREMENT	******	******	******	******	******	< 2.0	ug/L	0	01/30	24
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	50 DAILY MX	ug/L		Monthly	COMP24
Copper, dissolved [as Cu]	SAMPLE MEASUREMENT	******	******	******	******	******	2.2	ug/L	0	01/30	24
01040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Monthly	COMP24
Copper, total [as Cu]	SAMPLE MEASUREMENT	******	******	******	******	******	2.5	ug/L	0	01/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	19 DAILY MX	ug/L		Monthly	COMP24
Iron, total [as Fe]	SAMPLE MEASUREMENT	******	******	******	******	******	< 0.2	mg/L	0	01/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	1 DAILY MX	mg/L		Monthly	COMP24
Lead, total [as Pb]	SAMPLE MEASUREMENT	******	******	******	******	******	2.3	ug/L	0	01/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	25 DAILY MX	ug/L		Monthly	COMP24
Zinc, dissolved [as Zn]	SAMPLE MEASUREMENT	******	******	******	******	******	1.19	mg/L	0	01/30	24
01090 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/L		Monthly	COMP24

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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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DISCHARGE MONITORING REPORT (DMR)

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CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total [as Zn]	SAMPLE MEASUREMENT	******	******	******	******	******	1.28	mg/L	0	01/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	2 DAILY MX	mg/L		Monthly	COMP24
1,2- Dichloroethane	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
32103 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
Chloroform	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
32106 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
Methylene chloride	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
1,1- Dichloroethane	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
34496 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
1,1- Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
34501 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
1,1,1- Trichloroethane	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/07	8
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
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TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code / NUMBER	MM/DD/YYYY

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

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CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
03/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
trans- 1,2- Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	1.0 U	1.0 U	ug/L	0	01/07	8
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
Vinyl chloride	SAMPLE MEASUREMENT	******	******	******	******	1.0 U	1.0 U	ug/L	0	02/30	8
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Twice per Month	COMP- 8
Phenols	SAMPLE MEASUREMENT	******	******	******	******	2.0 U	2.0 U	ug/L	0	02/30	24
46000 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	5 DAILY MX	ug/L		Twice per Month	COMP24
Chlorine, total residual	SAMPLE MEASUREMENT	******	******	******	******	******	0.04	mg/L	0	01/30	Gr
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	.1 DAILY MX	mg/L		Monthly	GRAB
Trichloroethene	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/7	8
78391 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8
1,2- cis- Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	< 5.0	< 5.0	ug/L	0	01/7	8
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP- 8

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
James L. Kaczor, POA fo Elm Holdings Inc.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James L Kaczor	716.923.1300		04/28/ 2016
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PLEASE REVIEW FOOTNOTES #1, #2, AND #3 OF PERMIT FOR DETAILED INSTRUCTIONS, AND ALSO REVIEW SPECIAL CONDITIONS INVOLVING CERTAIN PARAMETERS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3- 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- Q
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
01/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total [as Ni]	SAMPLE MEASUREMENT	******	******	******	******	******	8.8	ug/L	0	01/90	24
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Quarterly	COMP24
Silver, total [as Ag]	SAMPLE MEASUREMENT	******	******	******	******	******	< 0.5	ug/L	0	01/90	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Quarterly	COMP24

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

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SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- V
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
01/01/2016	03/31/2016

DMR Mailing ZIP CODE: 44125- 1079
MAJOR
(SUBR 09)
OUTFALL 01A ACTION LEVELS
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total [as Ni]	SAMPLE MEASUREMENT	******	0.0072	lb/d	******	******	******	******	0	01/90	24
01067 V 0 See Comments	PERMIT REQUIREMENT	******	.026 DAILY MX	lb/d	******	******	******	******		Quarterly	COMP24
Silver, total [as Ag]	SAMPLE MEASUREMENT	******	<0.0004	lb/d	******	******	******	******	0	01/90	24
01077 V 0 See Comments	PERMIT REQUIREMENT	******	.006 DAILY MX	lb/d	******	******	******	******		Quarterly	COMP24

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7070 | F: (716) 851-7009
www.dec.ny.gov

September 16, 2016

James L. Kaczor, PG
AECOM
257 West Genesee Street, Suite 400
Buffalo, New York 14202

Dear Mr. Kaczor:

Former Carborundum Complex
Elm Holdings, Inc., Sanborn NY
SPDES No. NY0001988

This letter constitutes approval of your request to use composite volatile organic compound (VOC) analysis for State Pollutant Discharge Elimination System (SPDES) permit compliance sampling at the subject site. The request was made in your letter dated June 20, 2016 submitted on behalf of Elm Holdings, Inc.

The SPDES permit (NY0001988) footnote 3 on page 4 of 9 states "As per 40 CFR 136 when analysis of volatile organics are required, grab samples must be collected. Individual grab samples must be collected at prescribed time intervals (e.g. 4 samples over the course of a day, at 2-hour intervals). Grab samples must be analyzed separately and the concentrations averaged. Alternatively, grab samples may be collected in the field and composited in the laboratory if the compositing procedure produces results equivalent to results produced by arithmetic averaging of the results of analysis of individual grab samples. Analytical results comparing individual grab samples and composited grab samples must be submitted to the Department if alternative monitoring (i.e. composited grab samples) is to be used."

Analytical results comparing individual grab samples and composited grab samples were attached to your June 20, 2016 letter. These results confirm that the laboratory compositing procedure produces results equivalent to the arithmetic averaging of individual grab samples.

If you have any questions regarding this approval, please contact me at 851-7070.

Sincerely,

Robert Locey, P.E.
Environmental Engineer 2

cc: Mr. Jeff Konsella, Regional Water Engineer
Mr. Randal Coil, Remediation Management Services Company

AECOM
257 West Genesee Street, Suite 400
Buffalo, New York 14202

716-856-5636 tel
716-856-2545 fax

January 27, 2017

New York State Department of Environmental Conservation
Division of Water
Bureau of Watershed Compliance Programs
625 Broadway, 4th Floor
Albany, NY 12233

New York State Department of Environmental Conservation
Regional Water Engineer
270 Michigan Avenue
Buffalo, NY 14203

Niagara County Health Department
5467 Upper Mountain Road
Lockport, NY 14094

Subject: **December 2016 Discharge Monitoring Report**
SPDES Permit # NY 0001988
Elm Holdings Inc., Sanborn, NY

Dear Agency Representative,

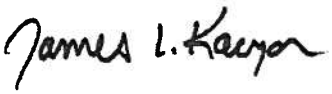
On behalf of Elm Holdings Inc., AECOM Technical Services, Inc. is pleased to provide the enclosed Discharge Monitoring Report (DMR) for December 1, 2016 through December 31, 2016 for the subject SPDES outfall. There were two parameter exceedances for the month.

The analytical laboratory for the SPDES analyses was migrated from Eurofins Lancaster Laboratories (Lancaster, PA) to TestAmerica Laboratories (Buffalo, NY and Canton, OH) as of December 1, 2016. The two phenol samples for December 2016 were each reported at a concentration of 0.006 J mg/L, as compared to the permit criterion of 0.005 mg/L. Through discussion with TestAmerica, it was determined that the laboratory's method detection limit (MDL) meets the permit criterion of 0.005 mg/L, with a reporting limit (RL) of 0.01 mg/L. Because the TestAmerica results are above the MDL and below the RL the results are reported as "J" estimated. During the prior 9 months of phenol data (March 2016 through November 2016) analyzed by Eurofins, 17 of 18 samples were reported as 0.002 mg/L U, with one result 0.002 mg/L. TestAmerica is researching whether a RL of 0.005 mg/L can be achieved at the facility performing the analyses (Buffalo, NY). In the interim, phenol analyses beginning February 2017 will be analyzed by the laboratory performing the analyses March 2016 through November 2016, with a RL of 0.002 mg/L.

In addition, the biological oxygen demand (BOD) sample collected December 7, 2016 was reported at a concentration of 13 J mg/L by TestAmerica. The sample result was reported as "J" estimated because the sample was analyzed out of hold time. Upon receipt of the laboratory data, the drop-off laboratory (TestAmerica Buffalo, NY) was directed to analyze the BOD sample at that facility rather than ship to the sister laboratory (Canton, OH) with the remainder of the sample set to avoid exceeding the BOD sample hold time. The subsequent BOD sample collected December 20, 2016 was reported as 2 U mg/L.

Please feel free to contact me via e-mail or at (716) 923-1300 if you have any questions regarding this submittal.

Sincerely yours,



James L. Kaczor, PG
Sanborn Site Task Leader
james.kaczor@aecom.com

Enclosures

cc: Brian Sadowski, NYSDEC (e-copy only)
K. Scott, Metaullics
Project File 60481767/Sanborn

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
12/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09) .
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******	******	******	******	51.2	deg F	0	01/30	Gr
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	90 DAILY MX	deg F		Monthly	GRAB
Flow rate	SAMPLE MEASUREMENT	40,968	71,744	gal/d	******	******	******	******	0	99/99	MS
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	144000 DAILY MX	gal/d	******	******	******	******		Continuous	METER
BOD, 5 day, 20 deg. C	SAMPLE MEASUREMENT	******	******	******	******	7	13	mg/L	1	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	5 DAILY MX	mg/L		Twice per Month	COMP24
pH	SAMPLE MEASUREMENT	******	******	******	6.89	******	7.13	SU	0	01/07	Gr
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	6.5 MINIMUM	******	8.5 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******	******	******	<4.0	<4.0	mg/L	0	02/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	20 DAILY AV	40 DAILY MX	mg/l		Twice per Month	COMP24
Oil & Grease	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	mg/L	0	02/30	Gr
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	15 DAILY MX	mg/l		Twice per Month	GRAB
Arsenic, total [as As]	SAMPLE MEASUREMENT	******	******	******	******	******	<5.0	ug/L	0	01/30	24
01002 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	150 DAILY MX	ug/l		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
12/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Cadmium, total [as Cd]	SAMPLE MEASUREMENT	******	******	******	******	******	1.4	ug/L	0	01/30	24
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	1.9 DAILY MX	ug/l		Monthly	COMP24
Chromium, total [as Cr]	SAMPLE MEASUREMENT	******	******	******	******	******	<2.0	ug/L	0	01/30	24
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	50 DAILY MX	ug/l.		Monthly	COMP24
Copper, dissolved [as Cu]	SAMPLE MEASUREMENT	******	******	******	******	******	1.4	ug/L	0	01/30	24
01040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/l		Monthly	COMP24
Copper, total [as Cu]	SAMPLE MEASUREMENT	******	******	******	******	******	1.8	ug/L	0	01/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	19 DAILY MX	ug/L		Monthly	COMP24
Iron, total [as Fe]	SAMPLE MEASUREMENT	******	******	******	******	******	0.086	mg/L	0	01/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	1 DAILY MX	mg/L		Monthly	COMP24
Lead, total [as Pb]	SAMPLE MEASUREMENT	******	******	******	******	******	1.8	ug/L	0	01/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	25 DAILY MX	ug/L.		Monthly	COMP24
Zinc, dissolved [as Zn]	SAMPLE MEASUREMENT	******	******	******	******	******	1.3	mg/L	0	01/30	24
01090 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	mg/l		Monthly	COMP24

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SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A-M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
12/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total [as Zn]	SAMPLE MEASUREMENT	******	******	******	******	******	1.3	mg/L	0	01/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	2 DAILY MX	mg/l		Monthly	COMP24
1,2 Dichloroethane	SAMPLE MEASUREMENT	******	******	******	******	<2.5	<2.5	ug/L	0	01/07	8
32103 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8
Chloroform	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	ug/L	0	01/07	8
32106 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8
Methylene chloride	SAMPLE MEASUREMENT	******	******	******	******	6	8.9	ug/L	0	01/07	8
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP 8
1,1 Dichloroethane	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	ug/L	0	01/07	8
34496 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8
1,1-Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	ug/L	0	01/07	8
34501 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8
1,1,1 Trichloroethane	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	ug/L	0	01/07	8
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8

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NY0001988	01A- M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
12/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
trans- 1,2 Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	<2.5	<2.5	ug/L	0	01/07	8
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP 8
Vinyl chloride	SAMPLE MEASUREMENT	******	******	******	******	<10.0	<10.0	ug/L	0	02/30	8
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Twice per Month	COMP 8
Phenols	SAMPLE MEASUREMENT	******	******	******	******	6	6	ug/L	2	02/30	24
46000 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	5 DAILY MX	ug/l		Twice per Month	COMP 24
Chlorine, total residual	SAMPLE MEASUREMENT	******	******	******	******	******	0.02	mg/L	0	01/30	Gr
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	.1 DAILY MX	mg/l		Monthly	GRAB
Trichloroethene	SAMPLE MEASUREMENT	******	******	******	******	<5.0	<5.0	ug/L	0	01/07	8
78391 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/l		Weekly	COMP 8
1,2 cis- Dichloroethylene	SAMPLE MEASUREMENT	******	******	******	******	<2.5	<2.5	ug/L	0	01/07	8
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP 8

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
James L. Kaczor, Attorney-in-Fact for Elm Holdings Inc.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James L Kaczor Attorney-in-Fact for Elm Holdings Inc.	716-923-1300		01/27/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PLEASE REVIEW FOOTNOTES #1, #2, AND #3 OF PERMIT FOR DETAILED INSTRUCTIONS, AND ALSO REVIEW SPECIAL CONDITIONS INVOLVING CERTAIN PARAMETERS.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- Q
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total [as Ni]	SAMPLE MEASUREMENT	******	******	******	******	******	8.7	ug/L	0	01/90	24
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/L		Quarterly	COMP24
Silver, total [as Ag]	SAMPLE MEASUREMENT	******	******	******	******	******	<1.0	ug/L	0	01/90	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	******	Req. Mon. DAILY MX	ug/l		Quarterly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
James L. Kaczor, Attorney-in-Fact for Elm Holdings Inc.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James L Kaczor Attorney-in-Fact for Elm Holdings Inc.	716-923-1300		01/27/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040- 0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*
NAME: ELM HOLDINGS, INC
ADDRESS: 4850 EAST 49TH ST, MBC3 147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY DRIVE
SANBORN, NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

NY0001988	01A- V
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
10/1/2016	12/31/2016

DMR Mailing ZIP CODE: 14202
MAJOR
(SUBR 09)
OUTFALL 01A ACTION LEVELS
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total [as Ni]	SAMPLE MEASUREMENT	******	.0030	lb/d	******	******	******	******	0	01/90	24
01067 V 0 See Comments	PERMIT REQUIREMENT	******	.026 DAILY MX	lb/d	******	******	******	******		Quarterly	COMP24
Silver, total [as Ag]	SAMPLE MEASUREMENT	******	<0.00034	lb/d	******	******	******	******	0	01/90	24
01077 V 0 See Comments	PERMIT REQUIREMENT	******	.006 DAILY MX	lb/d	******	******	******	******		Quarterly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
James L. Kaczor, Attorney-in-Fact for Elm Holdings Inc.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James L Kaczor Attorney-in-Fact for Elm Holdings Inc.	716-923-1300		01/27/2017
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Appendix B

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact Robert Locey **DEC Region:** 9

Report Type: ___ *5 Day* X *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

SPDES #: NY- 0001988 **Facility:** Former Carborundum Complex

Date of noncompliance: 12/ 31/ 16 **Location (Outfall, Treatment Unit, or Pump Station):** 01-A

Description of noncompliance(s) and cause(s): Phenol samples reported at a concentration of 0.006 J mg/L; permit criterion is 0.005 mg/L. Through discussion with laboratory, the concentration is reported as estimated because lab MDL is 0.005 mg/L and RL is 0.01 mg/L.

Has event ceased? (Yes) (No) **If so, when?** N/A **Was event due to plant upset?** (Yes) (No) **SPDES limits violated?** (Yes) (No)

Start date, time of event: 12/ 01 / 16 , : (AM) (PM) **End date, time of event:** N / A / , : (AM) (PM)

Date, time oral notification made to DEC? 01/20/17 , 09 :30 (AM) (PM) **DEC Official contacted:** Robert Locey

Immediate corrective actions: Note new laboratory performing phenol analysis as of 12/01/16. Prior 12 months showed no phenol result > 0.002 mg/L with a RL of 0.002 mg/L. Current laboratory cannot meet RL of 0.005 mg/L; prior laboratory being re-procured to resume phenol analysis.

Preventive (long term) corrective actions: Ensure procured laboratory RL is at or below permit limit.

SECTION 3

Complete this section if the event was a bypass

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: ___/___/___

Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: James L. Kaczor **Title:** Site Task Manager **Date:** 01 / 27 / 17

Phone #: (716) 923 - 1300 **Fax #:** (716) 856 - 2545

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James L Kaczor

X Attorney-in-Fact for Elm Holdings Inc.

Signature of Principal Executive Officer or Authorized Agent

Appendix B

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact Robert Locey **DEC Region:** 9

Report Type: ___ *5 Day* X *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

SPDES #: NY- 0001988 **Facility:** Former Carborundum Complex

Date of noncompliance: 12/ 07/ 16 **Location (Outfall, Treatment Unit, or Pump Station):** 01-A

Description of noncompliance(s) and cause(s): BOD sample reported at a concentration of 13 J mg/L. Next sample collected 12/20/16 reported at 2.0 UJ mg/L. Through discussion with lab, 12/07/16 sample analyzed out of hold time.

Has event ceased? (Yes) (No) **If so, when?** 12/20/16 **Was event due to plant upset?** (Yes) (No) **SPDES limits violated?** (Yes) (No)

Start date, time of event: 12/ 07 / 16 , : (AM) (PM) **End date, time of event:** 12/ 20 /16 , : (AM) (PM)

Date, time oral notification made to DEC? 01/27/17 , 3 :30 (AM) (PM) **DEC Official contacted:** Robert Locey

Immediate corrective actions: BOD sample was being shipped from drop-off lab to sister lab with other parameters in the sample set. After 12/07/16 result was received, instructed lab to analyze BOD at drop-off lab to avoid exceeding hold time, beginning with 12/20/16 sample.

Preventive (long term) corrective actions: Ensure lab analyzes BOD sample at drop-off lab by adding comment to COC.

SECTION 3

Complete this section if the event was a bypass

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: __/__/__

Describe even in "Description of noncompliance and cause" are in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: James L. Kaczor **Title:** Site Task Manager **Date:** 01 / 27/ 17

Phone #: (716) 923 - 1300 **Fax #:** (716) 856 - 2545

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

James L Kaczor
X Attorney-in-Fact for Elm Holdings Inc.
Signature of Principal Executive Officer or Authorized Agent

Appendix E

Groundwater Sampling Field Forms (December 2016)

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-3m

Well Diameter: 2"

Samplers: Nick Loncto

Weather: ~30°F, Snow

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic

Date: 12-9-2016 Time: 1215 (hhmm)

feet below top of inner casing

Initial Depth to Water: 23.19

Depth to Bottom: 25.05

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1220	24.12	150		7.71	1.390	4.91	7.36	23	289	Cell filling
1225	24.41	150		7.76	1.370	4.87	7.38	11	244	
1230	24.51	150		8.30	1.360	2.13	7.43	-2	195	
1235	24.98	150								Well Dry
15:00	Dry									
12/12/2016 at 11:00 Recharged to 24.55, Collected Sample										

Sample Collection Method: Peristaltic

Date: 12/12/2016

Time: 11:00

Total Volume of Water Purged (gal): 0.8 gallons

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Per PM J.K., check for recharge at 15:00.
12/12 - Returned at 11:00, recharged to 24.55, collected sample

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-6m

Well Diameter: 2"

Samplers: Nick Loncto

Weather: 35°F P. cloudy / windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peri / Bladder

Date: 12/7/2016 **Time:** 1525 (hhmm)

feet below top of inner casing

Initial Depth to Water: 14.69

Depth to Bottom: 19.15

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1530	16.06	400		9.52	1.880	0.59	7.13	10	263	Turned down pump
1535	16.12	300		9.63	1.850	0.00	7.09	15	175	
1540	16.12	250		9.47	1.790	0.00	7.08	14	47.7	
1545	16.12	250		9.45	1.770	0.00	7.09	12	35.2	
1550	16.12	250		9.36	1.720	0.00	7.09	6	19.4	
1555	16.12	250		9.44	1.690	0.00	7.09	12	16.2	

Sample Collection Method: Peri / Bladder

Date: 12-7-16 **Time:** 1555

Total Volume of Water Purged (gal): 2.25

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Collected MS/MSD

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-7m

Well Diameter: 2"

Samplers: Ernie Thalhamer

Weather: Cold, ~35°, Grey Skies

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic

Date: 12/12/2016 Time: (hhmm) 0945

feet below top of inner casing

Initial Depth to Water: 14.94

Depth to Bottom: 18.85

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
950	14.95	250		12.26	0.549	0.26	6.21	18	391	
955	14.95	250		11.46	0.665	0.00	6.88	-44	126	
1000	14.95	250		11.43	0.669	0.00	6.90	-44	103	
1005	14.95	250		11.26	0.680	0.00	6.99	-38	55.7	
1010	14.95	250		11.25	0.682	0.00	7.02	-37	38.7	
1015	14.95	250		11.13	0.689	0.00	7.05	-29	21.2	
1020	14.95	250		11.06	0.696	0.00	7.07	-26	11.3	
1025	14.95	250		11.03	0.697	0.00	7.08	-25	10.2	

Sample Collection Method: Peristaltic

Date: 12-12-16

Time: 10:25

Total Volume of Water Purged (gal): ~ 2.5

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-8m

Well Diameter: 2"

Samplers: Nick Loncto

Weather: 30°, slight snow, windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic | Date: 12/8/2016 | Time: 1025 (hhmm)

Initial Depth to Water: 13.18 feet below top of inner casing

Depth to Bottom: 17.80

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1030	13.43	300		12.64	1.720	2.99	7.11	71	120	D.O not in calibration
1035	13.45	250		12.58	1.540	3.19	7.31	67	73.2	
1040	13.46	250		12.48	1.430	4.18	7.34	93	27.5	
1045	13.47	250		12.41	1.360	4.35	7.31	129	8.7	
1050	13.47	250		12.38	1.340	4.36	7.26	154	2.9	
1055	13.49	250		12.35	1.320	5.22	7.23	176	0.1	
1100	13.50	250		12.27	1.310	4.09	7.22	180	0.1	
1105	13.51	250		12.22	1.300	3.98	7.19	184	0	
1110	13.51	250		12.22	1.290	4.03	7.16	189	0	

Sample Collection Method: Peristaltic | **Date:** 12-08-16 | **Time:** 1115 | **Total Volume of Water Purged (gal):** 3.0

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: D.O. out of cal at start of day. PM J.K. gave ok to sample without it. Swapping out from Pine Env. ~12pm 12-8-16.

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-9m

Well Diameter: 2"

Samplers: Nick Loncto

Weather: ~35°, partly cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic

Date: 12/9/2016 Time: 0925 (hhmm)

feet below top of inner casing

Initial Depth to Water: 19.63

Depth to Bottom: 21.18

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
930	19.99	150		9.89	0.793	1.96	7.25	76	198	
935	20.31	150		9.65	0.764	0.93	7.21	89	158	
940	20.89	150		9.58	0.751	0.89	7.17	110	103	
945	21.10									Well Dry

Sample Collection Method: Peristaltic

Date: 12-9-16 Time: 1315

Total Volume of Water Purged (gal): 0.80

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Checked recharge per PM J.K., recharged to 19.62 @ 1315, grab sampled

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-10m

Well Diameter: 2"

Samplers: Nick Loncto

Weather: ~30°

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic

Date: 12/8/2016 **Time:** 15:15 (hhmm)

feet below top of inner casing

Initial Depth to Water: 16.71

Depth to Bottom: 27.92

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1520	16.80	350		10.68	1.730	4.40	7.29	97	110	
1525	16.80	300		10.34	1.690	3.63	7.11	86	56.9	
1530	16.80	300		10.53	1.700	3.44	7.18	81	33.8	
1535	16.80	300		10.76	1.700	3.21	7.20	76	16.7	
1540	16.84	350		10.89	1.740	3.04	7.22	75	17.3	
1545	16.87	350		11.01	1.750	2.84	7.24	74	18.9	
1550	16.90	350		11.06	1.770	2.74	7.24	72	24.7	
1555	16.95	350		11.22	1.750	2.65	7.24	73	10.7	
1600	17.03	350		11.21	1.780	2.51	7.24	73	7.6	
1605	17.05	350		11.21	1.790	2.40	7.25	74	5.0	
1610	17.06	350		11.23	1.790	2.39	7.25	74	4.2	
1615	17.08	350		11.24	1.780	2.37	7.25	75	3.8	
1620	17.09	350		11.24	1.780	2.33	7.26	76	2.9	
1625	17.11	350		11.24	1.780	2.31	7.26	76	2.3	

Sample Collection Method: Peristaltic **Date:** 12-8-16 **Time:** 1625 **Total Volume of Water Purged (gal):** 6.45

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: New Horiba Switched

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-11m

Well Diameter: 2"

Samplers: M. Kuczka

Weather: ~35°, cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/12/2016 Time: (hhmm) 11:45

feet below top of inner casing

Initial Depth to Water: 19.11

Depth to Bottom: 23.78

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1150	20.53	250		10.09	1.14	7.31	7.39	-1	327	
1155	20.74	100		10.44	1.25	6.30	7.40	7	172	
1200	20.65	100		10.12	1.38	5.40	7.45	9	75.7	
1205	20.77	100		10.66	1.72	4.79	7.42	12	27	
1210	20.90	100		10.90	1.78	4.44	7.42	13	14.1	
1215	21.09	100		10.95	1.80	4.49	7.42	14	8.3	
1220	21.22	100		11.08	1.80	4.84	7.42	15	7.2	
1225	21.38	100		11.18	1.79	5.29	7.43	18	7	
1230	21.45	100		11.21	1.77	5.37	7.44	20	12.4	
1235	21.53	100		11.13	1.75	5.45	7.44	22	6.30	

Sample Collection Method: Bladder

Date: 12-12-16

Time: 1240

Total Volume of Water Purged (gal):

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: New Horiba Switched

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-13m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~40°, clear skies

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/9/2016 Time: 11:45 (hhmm)

Initial Depth to Water: 27.25 feet below top of inner casing

Depth to Bottom: 36.05

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1150	27.30	400		10.66	2.49	0.00	7.44	-137	63.5	
1155	27.30	400		11.04	2.47	0.00	7.37	-151	26.7	
1200	27.30	400		11.08	2.23	0.00	7.29	-157	13.1	
1205	27.30	400		11.12	1.35	0.00	7.29	-157	0	
1210	27.30	400		11.17	1.01	0.00	7.30	-160	0	
1215	27.30	400		11.20	0.973	0.00	7.30	-162	0	
1220	27.30	400		11.23	0.928	0.00	7.30	-165	0	
1225	27.30	400		11.21	0.913	0.00	7.29	-168	0	
1230	27.30	400		11.20	0.891	0.00	7.29	-171	0	
1235	27.30	400		11.19	0.883	0.00	7.29	-171	0	
1240	27.30	400		11.17	0.881	0.00	7.28	-171	0	

Sample Collection Method: Bladder

Date: 12-9-16

Time: 1240

Total Volume of Water Purged (gal): 3.5

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name:	Well ID:	Well Diameter:
IP-BP Sanborn	B-14m	2"

Samplers: E. Thalhamer

Weather: ~35°, overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | Date: 12/12/2016 | Time: 12:10 (hhmm)

Initial Depth to Water	Depth to Bottom
15.25 feet below top of inner casing	15.77

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1215	15.30	150		13.65	0.679	2.39	7.34	112	187	
1220	15.30	150		13.24	0.682	1.70	7.41	116	138	
1225	15.30	150		13.11	0.684	1.65	7.41	119	7.9	
1230	15.30	150		13.10	0.693	1.60	7.41	126	2.6	
1235	15.30	150		12.01	0.709	1.55	7.40	128	4.3	
1240	15.30	150		11.94	0.711	1.52	7.40	128	3.8	
1245	15.30	150		11.91	0.710	1.45	7.39	130	3.1	

Sample Collection Method: Bladder | **Date:** 12-12-16 | **Time:** 1245 | **Total Volume of Water Purged (gal):** ~2

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** B-16m	**Well Diameter:** 2"

Samplers: E. Thalhamer

Weather: ~35°, overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | Date: 12/12/2016 | Time: 13:10 (hhmm)

feet below top of inner casing

Initial Depth to Water	Depth to Bottom
23.08	25.20

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1315	23.11	150		9.56	3.77	7.10	7.26	48	362	
1320	23.11	150		10.05	2.52	7.52	7.30	43	134	
1325	23.11	150		9.84	1.90	7.63	7.30	42	72.3	
1330	23.11	150		9.71	1.50	7.56	7.23	43	26.5	
1335	23.11	150		9.60	1.36	8.07	7.19	47	6.8	
1340	23.11	150		9.07	1.34	7.57	7.20	47	21.6	
1345	23.11	150		9.57	1.30	7.17	7.16	42	54.5	
1350	23.11	150		9.54	1.17	7.09	7.16	40	30.5	
1355	23.11	150		9.24	1.16	7.81	7.15	42	21.4	
1400	23.11	150		9.16	1.16	7.81	7.15	43	9.8	

Sample Collection Method: Bladder | **Date:** 12-12-16 | **Time:** 1400 | **Total Volume of Water Purged (gal):** ~2

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-17m

Well Diameter: 2" SS

Samplers: Nick Loncto

Weather: ~40°, clear skies

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic | Date: 12/9/2016 | Time: 12:00 (hhmm)

feet below top of inner casing

Initial Depth to Water: 21.70 | Depth to Bottom: 26.01

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1210	21.81	250		10.88	0.739	4.07	7.32	14	10.5	
1215	21.90	250		11.44	0.636	2.98	7.29	31	14.2	
1220	21.90	300		11.41	0.631	2.51	7.32	29	8.2	
1225	21.90	300		11.40	0.629	2.30	7.32	28	6.3	
1230	21.90	300		11.24	0.620	2.09	7.32	28	4.1	
1235	21.90	300		11.23	0.626	1.97	7.31	27	3.2	
1240	21.90	300		11.28	0.630	1.93	7.29	21	3.7	
1245	21.90	300		11.33	0.641	1.87	7.29	18	3.4	
1250	21.90	300		11.35	0.637	1.85	7.29	18	3.1	
1255	21.90	300		11.38	0.636	1.83	7.29	16	2.9	

Sample Collection Method: Peristaltic | **Date:** 12-9-16 | **Time:** 1300 | **Total Volume of Water Purged (gal):** 4 gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Air in line at start

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-18m

Well Diameter: 2"

Samplers: E. Thalhamer & N. Loncto

Weather: ~35°, light snow flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/8/2016 Time: 1025 (hhmm)

Initial Depth to Water: 17.79 feet below top of inner casing

Depth to Bottom: 50.41

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
		450								
1035	18.15	450		11.90	0.890	0.00	6.79	-34	52.3	
1040	19.73	450		11.75	0.910	0.00	6.85	-45		
1045	20.55	450		11.61	0.954	0.00	6.92	-66	8.5	
1050	20.55	450		11.58	0.975	0.00	6.97	-78	0.2	
1055	20.55	450		11.50	0.981	0.30	6.99	-79	0	
1100	20.55	450		11.41	0.984	0.69	7.02	-81	0	
1105	20.55	450		11.40	0.987	1.12	7.02	-81	0	
1110	20.55	450		11.31	0.989	1.45	7.02	-83	0	
1115	20.55	450		11.38	0.991	1.46	7.03	-84	0	
1120	20.55	450		11.39	0.995	1.44	7.03	-87	0	
1125	20.55	450		11.43	0.998	1.41	7.03	-89	0	

Sample Collection Method: Bladder

Date: 12-8-16

Time: 1130

Total Volume of Water Purged (gal): 7 gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Air in line at start

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-21m

Well Diameter: 2"

Samplers: N. Loncto

Weather: overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic | Date: 12/6/2016 | Time: 1430 (hhmm)

feet below top of inner casing

Initial Depth to Water: 21.14 | Depth to Bottom: 26.38

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1435										cell still filling
1455	21.09	150		12.56	0.933	4.43	7.21	164	664	
1500	21.11	200		12.80	0.970	3.24	7.12	137	128	
1505	21.12	200		12.89	0.975	2.46	7.11	127	68.6	
1510	21.13	200		12.95	0.981	2.03	7.10	126	53.3	
1515	21.14	200		12.93	0.990	1.62	7.10	119	41	
1520	21.14	200		12.91	0.992	1.47	7.09	115	33.1	
1525	21.14	200		12.89	0.993	1.43	7.09	110	28.3	
1530	21.14	200		12.87	0.995	1.37	7.08	107	26.6	

Sample Collection Method: Peristaltic | **Date:** 12-6-16 | **Time:** 1535 | **Total Volume of Water Purged (gal):** 2.2 gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Problem with pump, restarted at 14:50

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-22m

Well Diameter: 2" SS

Samplers: E. Thalhamer, N. Loncto

Weather: overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/6/2016 Time: 1430 (hhmm)

Initial Depth to Water: 30.10 feet below top of inner casing

Depth to Bottom: 35.92

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1435	30.30	200		11.37	1.07	3.82	7.14	126	max	
1440	30.50	200		11.52	1.07	3.56	7.09	118	max	
1445	31.15	200		11.82	1.07	1.74	6.96	41	497	
1450	31.15	200		11.75	1.07	0.00	6.92	34	324	
1455	31.10	200		11.66	1.06	0.00	6.90	28	159	
1500	31.10	200		11.67	1.03	0.00	6.88	21	54.7	
1505	31.10	200		11.65	0.997	0.00	6.87	15	17.1	
1510	31.10	200		11.66	0.994	0.00	6.87	14	15.7	
1515	31.10	200		11.66	0.991	0.00	6.87	14	13.8	

Sample Collection Method: Bladder

Date: 12-6-16

Time: 1515

Total Volume of Water Purged (gal): 2.9 gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-23m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: 35°F cloudy/windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/5/2016 Time: 1430 (hhmm)

feet below top of inner casing

Initial Depth to Water: 28.10

Depth to Bottom: 31.65

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1440	28.70	150								
1445	28.91	150		8.82	1.02	6.96	7.33	96	37.3	
1450	29.04	150		8.99	1.03	6.42	7.40	100	21.3	
1455	29.04	150		9.21	0.980	4.21	7.28	108	13	
1500	29.09	150		9.28	0.925	2.48	7.17	111	2.39	
1505	29.10	150		9.10	0.904	1.32	7.12	113	6.8	
1510	29.10	150		9.10	0.899	1.02	7.11	113	5.9	
1515	29.10	150		9.08	0.899	0.65	7.09	113	5.2	
1520	29.11	150		8.95	0.883	0.25	7.06	111	4.6	
1525	29.11	150		8.95	0.888	0.00	7.07	111	3.9	
1530	29.11	150		8.95	0.879	0.00	7.07	109	3.8	
1535	29.11	150		8.95	0.878	0.00	7.07	108	3.9	

Sample Collection Method: Bladder

Date: 12-5-16

Time: 1540

Total Volume of Water Purged (gal): 2.5 gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-24m

Well Diameter: 2" SS

Samplers: E. Thalhamer, N. Loncto

Weather: 35°F cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic

Date: 12/6/2016 Time: 1000 (hhmm)

Initial Depth to Water: 21.11 feet below top of inner casing

Depth to Bottom: 26.65

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1013	21.59	225		10.70	1.03	2.39	7.15	36	19	Turned up pump
1018	21.59	225		10.57	1.03	2.83	7.13	32	11.9	
1023	21.55	225		10.49	1.04	2.67	7.11	34	9.9	
1028	21.58	225		10.54	1.040	2.50	7.07	36	8.5	
1033	21.58	225		10.56	1.040	2.47	7.06	36	8.4	

Sample Collection Method: Peristaltic

Date: 12-6-16 **Time:** 1038

Total Volume of Water Purged (gal): 1.8gal

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: cell took 13 minutes to fill

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-28m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: 35°F P. cloudy / windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/7/2016 Time: 1005 (hhmm)

feet below top of inner casing

Initial Depth to Water: 29.42

Depth to Bottom: 34.51

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1045	30.85	NA		10.56	1.06	4.62	7.07	216	800	
1050	30.75	NA		11.03	1.04	3.47	7.16	181	800	
1055	NA									cleared cell
1105	30.72	300		10.02	1.10	2.82	7.17	145	125	
1110	30.72	300		9.85	1.11	2.63	7.18	125	113	
1115	30.72	300		9.79	1.12	2.58	7.18		77.4	
1120	30.72	300		9.75	1.08	2.49	7.18	108	59.1	
1125	30.72	300		9.68	1.08	2.40	7.17	110	55.2	
1130	30.72	300		9.63	1.09	2.36	7.17	110	47.9	
1135	30.72	300		9.59	1.09	2.30	7.18	108	42.1	

Sample Collection Method: Bladder

Date: 12-7-16 Time: 1140

Total Volume of Water Purged (gal): 3.5

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: MS/MSD collected

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-29m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: 35°F windy/cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/5/2016 Time: 1310 (hhmm)

Initial Depth to Water: 32.1 feet below top of inner casing

Depth to Bottom: 38.51

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1320	32.12	350		9.95	0.829	2.50	7.13	28	77.5	
1325	32.13	350		10.71	0.817	1.23	7.07	34	24.1	
1330	32.13	350		10.82	0.812	0.64	7.03	32	15.8	
1335	32.13	350		10.81	0.805	0.00	6.98	28	8.8	
1340	32.14	350		10.83	0.799	0.00	6.96	21	8	
1345	32.14	350		10.85	0.795	0.00	6.94	19	8.3	

Sample Collection Method: Bladder

Date: 12-5-16 **Time:** 1350

Total Volume of Water Purged (gal): 3.3

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-32m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: ~40°F cloudy/windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/5/2016 Time: 1000 (hhmm)

Initial Depth to Water: 34.01 feet below top of inner casing

Depth to Bottom: 40.47

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1010	35.18	450		7.71	1.14	7.69	7.05	25	26.4	
1015	35.42	450		9.29	1.11	7.57	6.54	19	25	
1020	35.61	450		9.54	1.06	7.24	6.57	-17	29.5	
1025	35.61	450		9.49	1.02	6.81	6.64	-27	8.2	
1030	35.61	450		9.54	1.02	6.60	6.70	-34	4.1	
1035	35.62	450		9.54	1.01	6.30	6.75	-40	2.8	
1040	35.62	450		9.53	1.01	6.12	6.82	-48	2.6	
1045	35.62	450		9.56	1.01	6.00	6.87	-53	2.2	
1050	35.62	450		9.55	1.00	5.76	6.90	-57	2.6	

Sample Collection Method: Bladder

Date: 12-5-16 **Time:** 1055

Total Volume of Water Purged (gal): 5.29

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-38m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F cloudy/overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/6/2016 Time: 1140 (hhmm)

feet below top of inner casing

Initial Depth to Water: 29.50

Depth to Bottom: 41.21

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1145	29.52	250		9.64	0.848	0.00	7.14	19	max	
1205	29.81	400		10.03	0.839	3.51	6.95	81	692	
1210	29.90	400		10.26	0.833	4.39	6.91	62	58.2	
1215	29.92	400		10.32	0.832	4.65	6.84	43	4.6	
1220	29.92	400		10.37	0.833	4.40	6.80	40	1.7	
1225	29.93	400		10.33	0.833	4.19	6.76	41	1.9	
1230	29.93	400		10.32	0.833	4.09	6.75	41	1.3	
1235	29.94	400		10.33	0.833	4.07	6.73	41	1.5	

Sample Collection Method: Bladder

Date: 12-6-16 Time: 1240

Total Volume of Water Purged (gal): 4.2

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: silt over pump screenm restarted at 12. Collected DUP-1

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-39m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~30°F

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/8/2016 Time: 1535 (hhmm)

Initial Depth to Water: 24.75 feet below top of inner casing

Depth to Bottom: 44.79

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1540	24.70	500		11.72	1.20	0.00	7.16	-89	49.7	
1545	24.70	500		11.78	1.13	0.00	7.13	-89	21.3	
1550	24.70	500		11.83	1.08	0.00	7.11	-89	17.1	
1555	24.70	500		11.91	1.01	0.00	7.13	-87	3.2	
1600	24.70	500		11.92	0.979	0.00	7.09	-80	0	
1605	24.70	500		11.97	0.961	0.00	7.10	-79	0	
1610	24.70	500		12.00	0.959	0.00	7.11	-74	0	

Sample Collection Method: Bladder

Date: 12-8-16 **Time:** 1610

Total Volume of Water Purged (gal): 5.25

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-40m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F Snow

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/8/2016 Time: 1410 (hhmm)

feet below top of inner casing

Initial Depth to Water: 24.91

Depth to Bottom: 57.95

Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1415	25.11	400		11.17	2.31	2.30	7.06	-130	68.3	
1420	25.23	400		11.22	2.27	0.63	7.09	-146	12.8	
1425	25.38	400		11.35	2.21	0.00	7.08	-175	1.8	
1430	25.48	400		11.35	1.89	0.00	7.09	-173	2.3	
1435	25.48	400		11.35	1.630	0.00	7.09	-170	1.2	
1440	25.48	400		11.34	1.510	0.00	7.10	-168	0.3	
1445	25.48	400		11.34	1.400	0.00	7.10	-165	0	
1450	25.48	400		11.33	1.320	0.00	7.11	-165	0	
1455	25.48	400		11.31	1.23	0.00	7.17	-165	0	
1500	25.48	400		11.33	1.15	0.00	7.21	-165	0	
1505	25.49	400		11.32	1.13	0.00	7.30	-164	0	
1510	25.50	400		11.31	1.10	0.00	7.29	-164	0	
1515	25.52	400		11.31	1.09	0.00	7.30	-164	0	
1520	25.50	400		11.31	1.07	0.00	7.31	-165	0	

Sample Collection Method: Bladder

Date: 12-8-16

Time: 1525

Total Volume of Water Purged (gal): 8

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-41m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~30°F Light snow

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/8/2016 **Time:** 1225 (hhmm)

feet below top of inner casing

Initial Depth to Water: 25.86

Depth to Bottom: 72.66

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1230	25.89	400		10.93	1.09	1.89	7.10	-43	103	
1235	25.91	400		10.07	1.02	0.00	7.11	-61	24.4	
1240	25.92	400		10.16	1.02	0.00	7.08	-66	7.3	
1245	25.95	400		10.18	1.03	0.00	7.08	-70	1.6	
1250	26.04	400		10.94	1.02	0.00	7.06	-71	9.8	
1255	26.22	400		11.31	1.03	0.00	7.08	-78	76.4	
1305	26.54	400		11.31	1.03	0.00	7.08	-82	118	
1310	26.54	400		11.32	1.05	0.00	7.08	-85	82.3	
1315	26.54	400		11.33	1.05	0.00	7.08	-88	75.4	
1320	26.54	400		11.35	1.06	0.00	7.08	-91	60	
1325	26.55	400		11.35	1.09	0.00	7.08	-91	51.7	
1330	26.55	400		11.34	1.13	0.00	7.08	-92	39.6	
1335	26.55	400		11.33	1.15	0.00	7.07	-93	21.3	
1340	26.55	400		11.33	1.16	0.00	7.07	-95	10.9	
1345	26.55	400		11.32	1.18	0.00	7.07	-95	7.9	

Sample Collection Method: Bladder

Date: 12-8-16

Time: 1400

Total Volume of Water Purged (gal): 8

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-41m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~30°F Light snow

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/8/2016 Time: 1225 (hhmm)

feet below top of inner casing

Initial Depth to Water: 25.86

Depth to Bottom: 72.66

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1350	26.55	400		11.32	1.19	0.00	7.07	-97	4.5	
1355	26.55	400		11.31	1.19	0.00	7.07	-97	2.2	

Sample Collection Method: Bladder

Date: 12-8-16 Time: 1400

Total Volume of Water Purged (gal): 8

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-42m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~30°F Partly sunny/windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/9/2016 Time: 1450 (hhmm)

Initial Depth to Water: 22.76 feet below top of inner casing

Depth to Bottom: 45.40

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1455	22.76	400		11.29	0.892	0.00	7.30	-154	0	
1500	22.76	400		11.33	0.892	0.00	7.28	-152	0	
1505	22.76	400		11.35	0.892	0.00	7.21	-151	0	
1510	22.76	400		11.29	0.892	0.00	7.18	-150	0	
1515	22.76	400		11.23	0.893	0.00	7.16	-150	0	
1520	22.76	400		11.19	0.895	0.00	7.13	-149	0	
1525	22.76	400		11.16	0.896	0.00	7.08	-147	0	
1530	22.76	400		11.16	0.897	0.00	7.06	-145	0	
1535	22.76	400		11.15	0.897	0.00	7.05	-145	0	

Sample Collection Method: Bladder

Date: 12-9-16 **Time:** 1540

Total Volume of Water Purged (gal): ~4.5

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** B-43m	**Well Diameter:** 2" SS

Samplers: M. Kuczka

Weather: 35°F cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | **Date:** 12/12/2016 | **Time:** (hhmm) 0920

feet below top of inner casing

Initial Depth to Water	Depth to Bottom
23.31	58.88

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
925	25.00	450		14.23	1.67	2.79	6.58	43	0	sulfur smell, clear
930	26.14	450		11.35	1.72	2.12	7.01	-9	0	
935	27.60	450		10.98	1.60	1.97	7.18	-39	0	
940	28.82	450		10.68	1.55	1.87	7.21	-57	0	
945	29.74	450		10.55	1.50	1.80	7.22	-67	0	
950	30.50	450		10.42	1.41	1.77	7.24	-73	0	
955	31.12	450		10.39	1.33	1.72	7.23	-77	0	
1000	31.64	450		10.32	1.27	1.71	7.18	-79	0	
1005	32.15	450		10.22	1.14	1.69	7.23	-80	0	
1010	32.58	450		10.23	1.14	1.67	7.23	-81	0	
1015	32.79	450		10.17	1.13	1.65	7.20	-82	0	
1020	33.13	450		10.14	1.12	1.64	7.21	-84	0	
1025	33.31	450		10.12	1.12	1.61	7.20	-85	0	
1030	33.51	450		10.10	1.11	1.60	7.21	-86	0	
1035	33.71	450		10.07	1.10	1.59	7.20	-86	0	

Sample Collection Method: Bladder | **Date:** 12-12-16 | **Time:** 1050 | **Total Volume of Water Purged (gal):** ~11

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name:	Well ID:	Well Diameter:
IP-BP Sanborn	B-43m	2" SS

Samplers: M. Kuczka

Weather: 35°F cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | Date: 12/12/2016 | Time: 0920 (hhmm)

Initial Depth to Water (feet below top of inner casing)	Depth to Bottom (feet below top of inner casing)
23.31	58.88

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1040	33.84	450		10.09	1.10	1.68	7.20	-87	0	
1045	33.90	450		10.08	1.09	1.61	7.20	-88	0	

Sample Collection Method: Bladder | **Date:** 12-12-16 | **Time:** 1050 | **Total Volume of Water Purged (gal):** ~11

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-44m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: 30°F clear skies

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/9/2016 Time: 1305 (hhmm)

feet below top of inner casing

Initial Depth to Water: 25.18

Depth to Bottom: 76.13

Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1310	25.35	400		10.34	2.65	0.00	7.93	-299	13	
1315	27.45	400		11.50	2.65	0.00	8.08	-325	0	
1320	27.57	400		11.47	2.65	0.00	8.08	-327	0	
1325	27.83	400		11.41	2.65	0.00	8.07	-329	0	
1330	28.12	400		11.30	2.66	0.00	8.04	-330	0	
1335	28.45	400		11.21	2.66	0.00	8.03	-330	0	
1340	28.73	400		11.05	2.66	0.00	8.01	-330	0	
1345	28.91	400		11.01	2.66	0.00	8.01	-330	0	
1350	29.23	400		11.00	2.66	0.00	8.01	-331	0	
1355	29.35	400		10.94	2.65	0.00	8.00	-334	0	
1400	29.37	400		10.88	2.65	0.00	8.00	-334	0	
1405	29.40	400		10.93	2.65	0.00	8.00	-334	0	
1410	29.36	400		10.86	2.66	0.00	8.00	-334	0	
1415	29.35	400		10.91	2.66	0.00	8.01	-335	0	
1420	29.35	400		10.84	2.67	0.00	8.00	-335	0	

Sample Collection Method: Bladder

Date: 12-9-16

Time: 1420

Total Volume of Water Purged (gal): 8.4

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name:	Well ID:	Well Diameter:
IP-BP Sanborn	B-46m	2"

Samplers: E. Thalhamer, N. Loncto

Weather: 40°F cloudy/windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | Date: 12/5/2016 | Time: 1205 (hhmm)

Initial Depth to Water	Depth to Bottom
26.09	40.02

feet below top of inner casing

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1210	26.16	450		10.08	0.969	1.00	7.06	20	59.7	
1215	26.19	450		10.23	0.965	0.00	7.03	20	58.1	
1220	26.13	450		10.29	0.903	0.00	7.00	17	35.8	
1225	26.16	450		10.25	0.891	0.00	6.97	17	15.7	
1230	26.19	450		10.26	0.886	0.00	6.97	16	10.1	
1235	26.19	450		10.28	0.883	0.00	6.96	16	8	

Sample Collection Method: Bladder | **Date:** 12-5-16 | **Time:** 1235 | **Total Volume of Water Purged (gal):** 4.16

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** B-48m	**Well Diameter:** 2" SS

Samplers: E. Thalhamer

Weather: 40°F cloudy/windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder | Date: 12/9/2016 | Time: 1025 (hhmm)

feet below top of inner casing

Initial Depth to Water	Depth to Bottom
24.91	46.90

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1030	24.75	450		10.20	0.891	0.00	7.14	-211	21.3	
1035	24.65	450		10.25	0.882	0.00	7.14	-209	14.1	
1040	24.65	450		10.30	0.882	0.00	7.05	-205	0	
1045	24.65	450		10.35	0.882	0.00	6.96	-203	0	
1050	24.65	450		10.41	0.883	0.00	6.94	-193	0	
1055	24.65	450		10.56	0.883	0.00	6.93	-160	0	
1100	24.65	450		10.61	0.882	0.00	6.79	-155	0	
1105	24.65	450		10.57	0.883	0.00	6.78	-154	0	
1110	24.65	450		10.57	0.884	0.00	6.82	-154	0	
1115	24.65	450		10.58	0.885	0.00	6.84	-153	0	

Sample Collection Method: Bladder | **Date:** 12-9-16 | **Time:** 1115 | **Total Volume of Water Purged (gal):** ~5

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-49m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~30°F light flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/9/2016 Time: 0900 (hhmm)

feet below top of inner casing

Initial Depth to Water: 31.27

Depth to Bottom: 82.50

Time hhmm	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
905	31.85	450		13.17	2.55	7.11	6.29	-126	20	
910	32.41	450		11.85	2.67	1.21	6.56	-205	3.4	
915	32.60	450		10.91	2.83	0.00	6.89	-253	0	
920	32.60	450		10.42	2.96	0.00	6.99	-284	0	
925	32.60	450		10.46	2.97	0.00	6.99	-287	0	
930	32.60	450		10.31	2.97	0.00	6.99	-291	0	
935	32.60	450		10.28	2.98	0.00	6.98	-294	0	
940	32.60	450		10.20	2.98	0.00	6.98	-295	0	
945	32.60	450		10.17	2.99	0.00	6.98	-296	0	
950	32.60	450		10.16	2.99	0.00	6.98	-297	0	
955	32.60	450		10.15	3.00	0.00	6.97	-298	0	
1000	32.60	450		10.15	3.01	0.00	6.97	-299	0	
1005	32.60	450		10.13	3.01	0.00	6.97	-299	0	

Sample Collection Method: Bladder

Date: 12-9-16

Time: 1005

Total Volume of Water Purged (gal): 8

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-50m

Well Diameter: 2" SS

Samplers: E. Thalhamer, N. Loncto

Weather: 35°F P. cloudy / windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/7/2016 Time: 1515 (hhmm)

Initial Depth to Water: 15.17 feet below top of inner casing

Depth to Bottom: 35.80

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1520	15.17	400		10.10	0.793	3.07	7.77	30	21.6	
1525	15.17	400		10.50	0.798	1.30	7.24	-8	11.9	
1530	15.17	400		10.48	0.799	1.58	7.19	12	9.1	
1535	15.17	400		10.47	0.799	1.76	7.11	28	7.3	
1540	15.17	400		10.45	0.800	1.87	7.08	36	4.8	
1545	15.17	400		10.45	0.801	2.03	7.06	43	2.7	
1550	15.17	400		10.51	0.798	1.65	7.06	43	3.2	
1555	15.17	400		10.44	0.804	1.41	7.06	49	2.6	
1600	15.17	400		10.44	0.803	1.20	7.06	50	2.1	
1605	15.17	400		10.44	0.801	1.15	7.07	52	1.4	
1610	15.17	400		10.47	0.800	1.17	7.06	52	1.9	
1615	15.17	400		10.45	0.801	1.14	7.08	50	2	
1620	15.17	400		10.43	0.803	1.18	7.10	47	2.3	

Sample Collection Method: Bladder

Date: 12-7-16

Time: 1620

Total Volume of Water Purged (gal): 7

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** B-52m	**Well Diameter:** 2" SS

Samplers: N. Loncto

Weather: 35°F P. cloudy / windy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Peristaltic | **Date:** 12/7/2016 | **Time:** 1325 (hhmm)

feet below top of inner casing

Initial Depth to Water	Depth to Bottom
14.90	22.41

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1335	14.91	350		10.59	0.878	7.66	7.06	157	36.2	
-										
1410	14.91	350		10.92	0.754	7.67	6.90	142	3.8	
1415	14.91	350		10.86	0.751	7.49	6.91	146	2.1	
1420	14.91	350		10.87	0.751	7.48	6.92	150	0	
1425	14.91	350		10.89	0.747	7.35	6.93	156	0	
1430	14.91	350		10.87	0.745	7.28	6.94	158	0	

Sample Collection Method: Peristaltic | **Date:** 12-7-16 | **Time:** 1435 | **Total Volume of Water Purged (gal):** 3.2

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Adjusted flow, first reading at 13:35. Pump stopped, restarted at 14:05. Changed Horiba units, still high DO - real?

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-53m

Well Diameter: 2" SS

Samplers: E. Thalhamer

Weather: ~40°F cloudy

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/7/2016 Time: 1320 (hhmm)

feet below top of inner casing

Initial Depth to Water: 14.91

Depth to Bottom: 37.27

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1325	14.95	450		10.73	0.757	0.00	6.44	187	84.9	
1330	14.95	450		10.62	0.749	0.00	6.63	144	28.3	
1335	14.95	450		10.71	0.751	0.00	6.66	141	26.1	
1340	14.95	450		10.65	0.753	0.00	6.73	116	19.1	
1345	14.95	450		10.56	0.754	0.00	6.77	100	11.1	
1350	14.95	450		10.54	0.755	0.00	6.79	74	7.3	
1355	14.95	450		10.52	0.755	0.00	6.81	66	4.2	
1400	14.95	450		10.65	0.756	0.00	6.81	65	7.1	

Sample Collection Method: Bladder

Date: 12-7-16 Time: 1400

Total Volume of Water Purged (gal): 4.2

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments: Collected Dup (Dup 200)

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: B-56m

Well Diameter: 2"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F cloudy/overcast

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bladder

Date: 12/6/2016 **Time:** 0952 (hhmm)

feet below top of inner casing

Initial Depth to Water: 28.49

Depth to Bottom: 39.67

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1000	28.51	250		10.73	1.820	0.00	7.06	-86	15.9	
1005	28.55	250		10.66	1.780	0.00	7.09	-85	14.7	
1010	28.57	250		10.50	1.410	0.00	7.04	-85	8	
1015	28.59	250		10.25	1.390	0.00	7.03	-86	5	
1020	28.60	250		10.11	1.150	0.00	7.04	-86	2.7	
1025	28.61	250		10.12	1.100	0.00	7.04	-86	1.3	

Sample Collection Method: Bladder

Date: 12-6-16

Time: 1030

Total Volume of Water Purged (gal): 2.31

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** P-2	**Well Diameter:** 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~35°, light snow flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer | **Date:** 12/8/2016 | **Time:** 1500 (hhmm)

feet below top of inner casing

Initial Depth to Water	Depth to Bottom

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1500										Grab Sampled

Sample Collection Method: Bailer | **Date:** 12-8-16 | **Time:** 1500 | **Total Volume of Water Purged (gal):** -

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: P-3

Well Diameter: 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F light flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer

Date: 12/9/2016 **Time:** 1040 (hhmm)

feet below top of inner casing

Initial Depth to Water:

Depth to Bottom:

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1040										Grab Sampled

Sample Collection Method: Bailer

Date: 12-9-16

Time: 1040

Total Volume of Water Purged (gal):

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: P-4

Well Diameter: 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~35°, light snow flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer

Date: 12/8/2016 Time: 1440 (hhmm)

Initial Depth to Water (feet below top of inner casing)

Depth to Bottom (feet below top of inner casing)

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1440										Grab Sampled

Sample Collection Method: Bailer

Date: 12-8-16

Time: 1440

Total Volume of Water Purged (gal):

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: PW-1

Well Diameter: 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F light flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer

Date: 12/9/2016 **Time:** 1305 (hhmm)

feet below top of inner casing

Initial Depth to Water:

Depth to Bottom:

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1305										Grab Sampled

Sample Collection Method: Bailer **Date:** 12-9-16 **Time:** 1305 **Total Volume of Water Purged (gal):**

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: PW-3

Well Diameter: 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~35°, light snow flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer

Date: 12/8/2016 **Time:** 1420 (hhmm)

feet below top of inner casing

Initial Depth to Water:

Depth to Bottom:

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1420										Grab Sampled

Sample Collection Method: Bailer

Date: 12-8-16

Time: 1420

Total Volume of Water Purged (gal):

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn

Well ID: PW-4

Well Diameter: 6"

Samplers: E. Thalhamer, N. Loncto

Weather: ~30°F light flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data:

Method: Bailer

Date: 12/9/2016 **Time:** 1600 (hhmm)

feet below top of inner casing

Initial Depth to Water:

Depth to Bottom:

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1600										Grab Sampled

Sample Collection Method: Bailer

Date: 12-9-16

Time: 1600

Total Volume of Water Purged (gal):

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

GROUNDWATER SAMPLING LOG

Low Flow Sampling Record

Site Name: IP-BP Sanborn	**Well ID:** T-002	**Well Diameter:** N/A

Samplers: E. Thalhamer, N. Loncto

Weather: ~35°, light snow flurries

Water Volume Calculation

1 inch= 0.041	6 inch= 1.4
1.5 inch= 0.092	8 inch= 2.5
2 inch= 0.163	10 inch= 4
4 inch= 0.64	

gal = (Total Depth of Well - Depth to Water) × Casing volume per foot

Acceptance Criteria:

Temp	± 3%
pH	± 0.1 unit
Sp. Cond.	± 3%
ORP	± 10mV
DO	± 10%
Turbidity	<50 NTU
Drawdown	<0.3 ft

Purging Data: feet below top of inner casing

Method: Grab | **Date:** 1/10/2017 | **Time:** 1400 (hhmm) | **Initial Depth to Water** | **Depth to Bottom**

Time (hhmm)	DTW (ft)	Pump Rate (ml/min)	Volume (gal.)	Temp (C°)	Sp. Cond (ms/cm)	DO (mg/L)	pH	ORP (mV)	Turb (NTU)	Comments:
1400										Grab Sampled

Sample Collection Method: Grab | **Date:** 1-10-2017 | **Time:** 1400 | **Total Volume of Water Purged (gal):**

Hach Test Kits

Alkalinity (mg/L)	N/A
Carbon Dioxide (mg/L)	N/A
Ferrous Iron (mg/L)	N/A
Hydrogen Sulfide (mg/L)	N/A
DTW	

Comments:

Sample Set

Parameter		Bottle	Pres.	Method
VOCs	☑	3-40 mL glass vial	HCL	8260C
Dissolved Fe & K	☐	1-500 mL poly(field filtered)	HNO3	6010C
TOC	☐	2-40mL amber glass vial	H2SO4	9060A
M.E.E	☐	3-40 mL glass vial	HCL	RSK-175 mod
Sulfide	☐	1- 250mL glass (field filtered)	NaOH/Zn Acetate	SM 4500 S2
Sulfate	☐	2-40 mL glass vial (field filtered)	unpreserved	300.0
Microbial Population	☐	In-line filter	N/A	CENSUS

Appendix F

Analytical Laboratory Data Reports (December 2016)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-73125-1
Client Project/Site: BP Sanborn

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: George Kisluk

Amy McCormick

Authorized for release by:
12/27/2016 7:34:34 PM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-73125-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP Sanborn

Report Number: 240-73125-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/9/2016 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples B-32M (240-73125-1), B-46M (240-73125-2), B-29M (240-73125-3), B-23M (240-73125-4), B-56M (240-73125-5), B-24M (240-73125-6), QUARRY (240-73125-7), B-38M (240-73125-8), B-22M (240-73125-9), B-21M (240-73125-10), DUP-100 (240-73125-11) and TRIP BLANK-1 (240-73125-12) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 12/14/2016.

Samples B-46M (240-73125-2)[3.33X], B-23M (240-73125-4)[6.67X], B-56M (240-73125-5)[14.28X], B-38M (240-73125-8)[1.43X] and DUP-100 (240-73125-11)[1.43X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-259413/6 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-73125-1	B-32M	Water	12/05/16 10:55	12/09/16 10:30
240-73125-2	B-46M	Water	12/05/16 12:35	12/09/16 10:30
240-73125-3	B-29M	Water	12/05/16 13:50	12/09/16 10:30
240-73125-4	B-23M	Water	12/05/16 15:40	12/09/16 10:30
240-73125-5	B-56M	Water	12/06/16 10:30	12/09/16 10:30
240-73125-6	B-24M	Water	12/06/16 10:38	12/09/16 10:30
240-73125-7	QUARRY	Water	12/06/16 12:25	12/09/16 10:30
240-73125-8	B-38M	Water	12/06/16 12:40	12/09/16 10:30
240-73125-9	B-22M	Water	12/06/16 15:15	12/09/16 10:30
240-73125-10	B-21M	Water	12/06/16 15:35	12/09/16 10:30
240-73125-11	DUP-100	Water	12/06/16 08:00	12/09/16 10:30
240-73125-12	TRIP BLANK-1	Water	12/05/16 00:00	12/09/16 10:30

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-32M — Lab Sample ID: 240-73125-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.90	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	2.2		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	10		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-46M — Lab Sample ID: 240-73125-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	66		3.3	1.0	ug/L	3.33		8260C	Total/NA
trans-1,2-Dichloroethene	0.97	J	3.3	0.97	ug/L	3.33		8260C	Total/NA
Trichloroethene	14		3.3	1.1	ug/L	3.33		8260C	Total/NA
Vinyl chloride	7.6		3.3	1.5	ug/L	3.33		8260C	Total/NA

Client Sample ID: B-29M — Lab Sample ID: 240-73125-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.0		1.0	0.30	ug/L	1		8260C	Total/NA
Vinyl chloride	1.4		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-23M — Lab Sample ID: 240-73125-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		6.7	2.0	ug/L	6.67		8260C	Total/NA
Vinyl chloride	24		6.7	3.0	ug/L	6.67		8260C	Total/NA

Client Sample ID: B-56M — Lab Sample ID: 240-73125-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	48		14	4.3	ug/L	14.28		8260C	Total/NA
Trichloroethene	330		14	4.7	ug/L	14.28		8260C	Total/NA

Client Sample ID: B-24M — Lab Sample ID: 240-73125-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	1.6		1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: QUARRY — Lab Sample ID: 240-73125-7

No Detections.

Client Sample ID: B-38M — Lab Sample ID: 240-73125-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.43	J	1.4	0.36	ug/L	1.43		8260C	Total/NA
1,1-Dichloroethene	0.55	J	1.4	0.39	ug/L	1.43		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.4	0.43	ug/L	1.43		8260C	Total/NA
trans-1,2-Dichloroethene	0.45	J	1.4	0.41	ug/L	1.43		8260C	Total/NA
Trichloroethene	14		1.4	0.47	ug/L	1.43		8260C	Total/NA
Vinyl chloride	2.5		1.4	0.64	ug/L	1.43		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-22M — Lab Sample ID: 240-73125-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	37		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.56	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	7.7		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	2.1		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-21M — Lab Sample ID: 240-73125-10

No Detections.

Client Sample ID: DUP-100 — Lab Sample ID: 240-73125-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.40	J	1.4	0.36	ug/L	1.43		8260C	Total/NA
1,1-Dichloroethene	0.56	J	1.4	0.39	ug/L	1.43		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.4	0.43	ug/L	1.43		8260C	Total/NA
Trichloroethene	15		1.4	0.47	ug/L	1.43		8260C	Total/NA
Vinyl chloride	2.7		1.4	0.64	ug/L	1.43		8260C	Total/NA

Client Sample ID: TRIP BLANK-1 — Lab Sample ID: 240-73125-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.6	B	1.0	0.53	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-32M
Date Collected: 12/05/16 10:55
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 14:35	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 14:35	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 14:35	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 14:35	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 14:35	1
cis-1,2-Dichloroethene	**21**		1.0	0.30	ug/L			12/14/16 14:35	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 14:35	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 14:35	1
trans-1,2-Dichloroethene	**0.90**	**J**	1.0	0.29	ug/L			12/14/16 14:35	1
Trichloroethene	**2.2**		1.0	0.33	ug/L			12/14/16 14:35	1
Vinyl chloride	**10**		1.0	0.45	ug/L			12/14/16 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*63 - 132*		*12/14/16 14:35*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/14/16 14:35*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/14/16 14:35*	*1*
Toluene-d8 (Surr)	*103*		*73 - 124*		*12/14/16 14:35*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-46M
Date Collected: 12/05/16 12:35
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	0.77	ug/L			12/14/16 14:57	3.33
1,1-Dichloroethane	ND		3.3	0.83	ug/L			12/14/16 14:57	3.33
1,1-Dichloroethene	ND		3.3	0.90	ug/L			12/14/16 14:57	3.33
Carbon tetrachloride	ND		3.3	1.2	ug/L			12/14/16 14:57	3.33
Chloroform	ND		3.3	1.0	ug/L			12/14/16 14:57	3.33
cis-1,2-Dichloroethene	**66**		3.3	1.0	ug/L			12/14/16 14:57	3.33
Methylene Chloride	ND		3.3	1.8	ug/L			12/14/16 14:57	3.33
Tetrachloroethene	ND		3.3	1.0	ug/L			12/14/16 14:57	3.33
trans-1,2-Dichloroethene	**0.97**	**J**	3.3	0.97	ug/L			12/14/16 14:57	3.33
Trichloroethene	**14**		3.3	1.1	ug/L			12/14/16 14:57	3.33
Vinyl chloride	**7.6**		3.3	1.5	ug/L			12/14/16 14:57	3.33

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 132*		*12/14/16 14:57*	*3.33*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/14/16 14:57*	*3.33*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*12/14/16 14:57*	*3.33*
Toluene-d8 (Surr)	*101*		*73 - 124*		*12/14/16 14:57*	*3.33*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-29M
Date Collected: 12/05/16 13:50
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 15:19	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 15:19	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 15:19	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 15:19	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 15:19	1
cis-1,2-Dichloroethene	**7.0**		1.0	0.30	ug/L			12/14/16 15:19	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 15:19	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 15:19	1
Trichloroethene	ND		1.0	0.33	ug/L			12/14/16 15:19	1
Vinyl chloride	**1.4**		1.0	0.45	ug/L			12/14/16 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*63 - 132*		*12/14/16 15:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/14/16 15:19*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*12/14/16 15:19*	*1*
Toluene-d8 (Surr)	*104*		*73 - 124*		*12/14/16 15:19*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-23M
Date Collected: 12/05/16 15:40
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.7	1.5	ug/L			12/14/16 14:13	6.67
1,1-Dichloroethane	ND		6.7	1.7	ug/L			12/14/16 14:13	6.67
1,1-Dichloroethene	ND		6.7	1.8	ug/L			12/14/16 14:13	6.67
Carbon tetrachloride	ND		6.7	2.3	ug/L			12/14/16 14:13	6.67
Chloroform	ND		6.7	2.1	ug/L			12/14/16 14:13	6.67
cis-1,2-Dichloroethene	**140**		6.7	2.0	ug/L			12/14/16 14:13	6.67
Methylene Chloride	ND		6.7	3.5	ug/L			12/14/16 14:13	6.67
Tetrachloroethene	ND		6.7	2.0	ug/L			12/14/16 14:13	6.67
trans-1,2-Dichloroethene	ND		6.7	1.9	ug/L			12/14/16 14:13	6.67
Trichloroethene	ND		6.7	2.2	ug/L			12/14/16 14:13	6.67
Vinyl chloride	**24**		6.7	3.0	ug/L			12/14/16 14:13	6.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 132*		*12/14/16 14:13*	*6.67*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/14/16 14:13*	*6.67*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*12/14/16 14:13*	*6.67*
Toluene-d8 (Surr)	*100*		*73 - 124*		*12/14/16 14:13*	*6.67*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-56M
Date Collected: 12/06/16 10:30
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		14	3.3	ug/L			12/14/16 15:41	14.28
1,1-Dichloroethane	ND		14	3.6	ug/L			12/14/16 15:41	14.28
1,1-Dichloroethene	ND		14	3.9	ug/L			12/14/16 15:41	14.28
Carbon tetrachloride	ND		14	5.0	ug/L			12/14/16 15:41	14.28
Chloroform	ND		14	4.4	ug/L			12/14/16 15:41	14.28
cis-1,2-Dichloroethene	**48**		14	4.3	ug/L			12/14/16 15:41	14.28
Methylene Chloride	ND		14	7.6	ug/L			12/14/16 15:41	14.28
Tetrachloroethene	ND		14	4.3	ug/L			12/14/16 15:41	14.28
trans-1,2-Dichloroethene	ND		14	4.1	ug/L			12/14/16 15:41	14.28
Trichloroethene	**330**		14	4.7	ug/L			12/14/16 15:41	14.28
Vinyl chloride	ND		14	6.4	ug/L			12/14/16 15:41	14.28

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*63 - 132*		*12/14/16 15:41*	*14.28*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/14/16 15:41*	*14.28*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*12/14/16 15:41*	*14.28*
Toluene-d8 (Surr)	*102*		*73 - 124*		*12/14/16 15:41*	*14.28*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-24M
Date Collected: 12/06/16 10:38
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 16:03	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 16:03	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 16:03	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 16:03	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 16:03	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.30	ug/L			12/14/16 16:03	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 16:03	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 16:03	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 16:03	1
Trichloroethene	**1.6**		1.0	0.33	ug/L			12/14/16 16:03	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/14/16 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*63 - 132*		*12/14/16 16:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/14/16 16:03*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*12/14/16 16:03*	*1*
Toluene-d8 (Surr)	*102*		*73 - 124*		*12/14/16 16:03*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: QUARRY
Date Collected: 12/06/16 12:25
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 16:25	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 16:25	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 16:25	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 16:25	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 16:25	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/14/16 16:25	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 16:25	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 16:25	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 16:25	1
Trichloroethene	ND		1.0	0.33	ug/L			12/14/16 16:25	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/14/16 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 132*		*12/14/16 16:25*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/14/16 16:25*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*12/14/16 16:25*	*1*
Toluene-d8 (Surr)	*104*		*73 - 124*		*12/14/16 16:25*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-38M
Date Collected: 12/06/16 12:40
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.33	ug/L			12/14/16 16:47	1.43
1,1-Dichloroethane	**0.43**	**J**	1.4	0.36	ug/L			12/14/16 16:47	1.43
1,1-Dichloroethene	**0.55**	**J**	1.4	0.39	ug/L			12/14/16 16:47	1.43
Carbon tetrachloride	ND		1.4	0.50	ug/L			12/14/16 16:47	1.43
Chloroform	ND		1.4	0.44	ug/L			12/14/16 16:47	1.43
cis-1,2-Dichloroethene	**36**		1.4	0.43	ug/L			12/14/16 16:47	1.43
Methylene Chloride	ND		1.4	0.76	ug/L			12/14/16 16:47	1.43
Tetrachloroethene	ND		1.4	0.43	ug/L			12/14/16 16:47	1.43
trans-1,2-Dichloroethene	**0.45**	**J**	1.4	0.41	ug/L			12/14/16 16:47	1.43
Trichloroethene	**14**		1.4	0.47	ug/L			12/14/16 16:47	1.43
Vinyl chloride	**2.5**		1.4	0.64	ug/L			12/14/16 16:47	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 132*		*12/14/16 16:47*	*1.43*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/14/16 16:47*	*1.43*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*12/14/16 16:47*	*1.43*
Toluene-d8 (Surr)	*103*		*73 - 124*		*12/14/16 16:47*	*1.43*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-22M
Date Collected: 12/06/16 15:15
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 17:08	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 17:08	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 17:08	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 17:08	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 17:08	1
cis-1,2-Dichloroethene	**37**		1.0	0.30	ug/L			12/14/16 17:08	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 17:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 17:08	1
trans-1,2-Dichloroethene	**0.56**	**J**	1.0	0.29	ug/L			12/14/16 17:08	1
Trichloroethene	**7.7**		1.0	0.33	ug/L			12/14/16 17:08	1
Vinyl chloride	**2.1**		1.0	0.45	ug/L			12/14/16 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 132*		*12/14/16 17:08*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/14/16 17:08*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*12/14/16 17:08*	*1*
Toluene-d8 (Surr)	*105*		*73 - 124*		*12/14/16 17:08*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-21M
Date Collected: 12/06/16 15:35
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 17:30	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 17:30	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 17:30	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 17:30	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 17:30	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/14/16 17:30	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/14/16 17:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 17:30	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 17:30	1
Trichloroethene	ND		1.0	0.33	ug/L			12/14/16 17:30	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/14/16 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*63 - 132*		*12/14/16 17:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/14/16 17:30*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*12/14/16 17:30*	*1*
Toluene-d8 (Surr)	*103*		*73 - 124*		*12/14/16 17:30*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: DUP-100
Date Collected: 12/06/16 08:00
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.33	ug/L			12/14/16 17:52	1.43
1,1-Dichloroethane	**0.40**	**J**	1.4	0.36	ug/L			12/14/16 17:52	1.43
1,1-Dichloroethene	**0.56**	**J**	1.4	0.39	ug/L			12/14/16 17:52	1.43
Carbon tetrachloride	ND		1.4	0.50	ug/L			12/14/16 17:52	1.43
Chloroform	ND		1.4	0.44	ug/L			12/14/16 17:52	1.43
cis-1,2-Dichloroethene	**36**		1.4	0.43	ug/L			12/14/16 17:52	1.43
Methylene Chloride	ND		1.4	0.76	ug/L			12/14/16 17:52	1.43
Tetrachloroethene	ND		1.4	0.43	ug/L			12/14/16 17:52	1.43
trans-1,2-Dichloroethene	ND		1.4	0.41	ug/L			12/14/16 17:52	1.43
Trichloroethene	**15**		1.4	0.47	ug/L			12/14/16 17:52	1.43
Vinyl chloride	**2.7**		1.4	0.64	ug/L			12/14/16 17:52	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*63 - 132*		*12/14/16 17:52*	*1.43*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/14/16 17:52*	*1.43*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*12/14/16 17:52*	*1.43*
Toluene-d8 (Surr)	*101*		*73 - 124*		*12/14/16 17:52*	*1.43*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: TRIP BLANK-1
Date Collected: 12/05/16 00:00
Date Received: 12/09/16 10:30

Lab Sample ID: 240-73125-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 18:14	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 18:14	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 18:14	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 18:14	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 18:14	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/14/16 18:14	1
Methylene Chloride	**6.6**	**B**	1.0	0.53	ug/L			12/14/16 18:14	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 18:14	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 18:14	1
Trichloroethene	ND		1.0	0.33	ug/L			12/14/16 18:14	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/14/16 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 132*		*12/14/16 18:14*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/14/16 18:14*	*1*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*12/14/16 18:14*	*1*
Toluene-d8 (Surr)	*104*		*73 - 124*		*12/14/16 18:14*	*1*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-132)	(73-120)	(80-120)	(73-124)
240-73125-1	B-32M	109	102	98	103
240-73125-2	B-46M	108	100	96	101
240-73125-3	B-29M	105	100	94	104
240-73125-4	B-23M	111	100	93	100
240-73125-4 MS	B-23M	104	110	96	104
240-73125-4 MSD	B-23M	107	111	92	106
240-73125-5	B-56M	109	99	96	102
240-73125-6	B-24M	109	100	96	102
240-73125-7	QUARRY	107	98	93	104
240-73125-8	B-38M	107	106	93	103
240-73125-9	B-22M	108	98	97	105
240-73125-10	B-21M	109	99	95	103
240-73125-11	DUP-100	108	99	95	101
240-73125-12	TRIP BLANK-1	106	101	92	104
LCS 240-259413/4	Lab Control Sample	107	110	95	108
MB 240-259413/6	Method Blank	111	102	95	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 240-259413/6
Matrix: Water
Analysis Batch: 259413

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/14/16 13:52	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/14/16 13:52	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/14/16 13:52	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/14/16 13:52	1
Chloroform	ND		1.0	0.31	ug/L			12/14/16 13:52	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/14/16 13:52	1
Methylene Chloride	1.29		1.0	0.53	ug/L			12/14/16 13:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/14/16 13:52	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/14/16 13:52	1
Trichloroethene	ND		1.0	0.33	ug/L			12/14/16 13:52	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/14/16 13:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*63 - 132*		*12/14/16 13:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*12/14/16 13:52*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 120*		*12/14/16 13:52*	*1*
Toluene-d8 (Surr)	*102*		*73 - 124*		*12/14/16 13:52*	*1*

Lab Sample ID: LCS 240-259413/4
Matrix: Water
Analysis Batch: 259413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.2		ug/L		102	79 - 133
1,1-Dichloroethane	10.0	8.91		ug/L		89	77 - 121
1,1-Dichloroethene	10.0	8.95		ug/L		90	70 - 141
Carbon tetrachloride	10.0	12.1		ug/L		121	69 - 149
Chloroform	10.0	9.71		ug/L		97	80 - 120
cis-1,2-Dichloroethene	10.0	8.95		ug/L		90	80 - 120
Methylene Chloride	10.0	8.80		ug/L		88	68 - 136
Tetrachloroethene	10.0	10.4		ug/L		104	80 - 123
trans-1,2-Dichloroethene	10.0	8.96		ug/L		90	80 - 123
Trichloroethene	10.0	9.53		ug/L		95	80 - 122
Vinyl chloride	10.0	8.77		ug/L		88	60 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 132*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*80 - 120*
Toluene-d8 (Surr)	*108*		*73 - 124*

Lab Sample ID: 240-73125-4 MS
Matrix: Water
Analysis Batch: 259413

Client Sample ID: B-23M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		66.7	64.8		ug/L		97	55 - 150

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

Lab Sample ID: 240-73125-4 MS
Matrix: Water
Analysis Batch: 259413

Client Sample ID: B-23M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		66.7	58.6		ug/L		88	57 - 135
1,1-Dichloroethene	ND		66.7	58.0		ug/L		87	50 - 156
Carbon tetrachloride	ND		66.7	76.2		ug/L		114	51 - 154
Chloroform	ND		66.7	63.9		ug/L		96	67 - 133
cis-1,2-Dichloroethene	140		66.7	215		ug/L		109	64 - 134
Methylene Chloride	ND		66.7	52.8		ug/L		79	48 - 138
Tetrachloroethene	ND		66.7	63.7		ug/L		95	54 - 138
trans-1,2-Dichloroethene	ND		66.7	60.2		ug/L		90	70 - 137
Trichloroethene	ND		66.7	64.4		ug/L		96	58 - 139
Vinyl chloride	24		66.7	85.9		ug/L		93	38 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 132*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*104*		*73 - 124*

Lab Sample ID: 240-73125-4 MSD
Matrix: Water
Analysis Batch: 259413

Client Sample ID: B-23M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		66.7	65.8		ug/L		99	55 - 150	2	35
1,1-Dichloroethane	ND		66.7	59.7		ug/L		89	57 - 135	2	35
1,1-Dichloroethene	ND		66.7	57.7		ug/L		86	50 - 156	1	35
Carbon tetrachloride	ND		66.7	76.6		ug/L		115	51 - 154	0	35
Chloroform	ND		66.7	64.8		ug/L		97	67 - 133	1	35
cis-1,2-Dichloroethene	140		66.7	199		ug/L		86	64 - 134	7	35
Methylene Chloride	ND		66.7	51.3		ug/L		77	48 - 138	3	35
Tetrachloroethene	ND		66.7	65.4		ug/L		98	54 - 138	3	35
trans-1,2-Dichloroethene	ND		66.7	58.7		ug/L		88	70 - 137	3	25
Trichloroethene	ND		66.7	60.5		ug/L		91	58 - 139	6	35
Vinyl chloride	24		66.7	84.3		ug/L		90	38 - 147	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*63 - 132*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*80 - 120*
Toluene-d8 (Surr)	*106*		*73 - 124*

QC Association Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

GC/MS VOA

Analysis Batch: 259413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-73125-1	B-32M	Total/NA	Water	8260C	
240-73125-2	B-46M	Total/NA	Water	8260C	
240-73125-3	B-29M	Total/NA	Water	8260C	
240-73125-4	B-23M	Total/NA	Water	8260C	
240-73125-5	B-56M	Total/NA	Water	8260C	
240-73125-6	B-24M	Total/NA	Water	8260C	
240-73125-7	QUARRY	Total/NA	Water	8260C	
240-73125-8	B-38M	Total/NA	Water	8260C	
240-73125-9	B-22M	Total/NA	Water	8260C	
240-73125-10	B-21M	Total/NA	Water	8260C	
240-73125-11	DUP-100	Total/NA	Water	8260C	
240-73125-12	TRIP BLANK-1	Total/NA	Water	8260C	
MB 240-259413/6	Method Blank	Total/NA	Water	8260C	
LCS 240-259413/4	Lab Control Sample	Total/NA	Water	8260C	
240-73125-4 MS	B-23M	Total/NA	Water	8260C	
240-73125-4 MSD	B-23M	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Client Sample ID: B-32M — Lab Sample ID: 240-73125-1

Date Collected: 12/05/16 10:55 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 14:35	LRW	TAL CAN

Client Sample ID: B-46M — Lab Sample ID: 240-73125-2

Date Collected: 12/05/16 12:35 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		3.33	259413	12/14/16 14:57	LRW	TAL CAN

Client Sample ID: B-29M — Lab Sample ID: 240-73125-3

Date Collected: 12/05/16 13:50 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 15:19	LRW	TAL CAN

Client Sample ID: B-23M — Lab Sample ID: 240-73125-4

Date Collected: 12/05/16 15:40 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		6.67	259413	12/14/16 14:13	LRW	TAL CAN

Client Sample ID: B-56M — Lab Sample ID: 240-73125-5

Date Collected: 12/06/16 10:30 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		14.28	259413	12/14/16 15:41	LRW	TAL CAN

Client Sample ID: B-24M — Lab Sample ID: 240-73125-6

Date Collected: 12/06/16 10:38 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 16:03	LRW	TAL CAN

Client Sample ID: QUARRY — Lab Sample ID: 240-73125-7

Date Collected: 12/06/16 12:25 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 16:25	LRW	TAL CAN

Client Sample ID: B-38M — Lab Sample ID: 240-73125-8

Date Collected: 12/06/16 12:40 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.43	259413	12/14/16 16:47	LRW	TAL CAN

Client Sample ID: B-22M — Lab Sample ID: 240-73125-9

Date Collected: 12/06/16 15:15 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 17:08	LRW	TAL CAN

Client Sample ID: B-21M — Lab Sample ID: 240-73125-10

Date Collected: 12/06/16 15:35 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 17:30	LRW	TAL CAN

Client Sample ID: DUP-100 — Lab Sample ID: 240-73125-11

Date Collected: 12/06/16 08:00 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.43	259413	12/14/16 17:52	LRW	TAL CAN

Client Sample ID: TRIP BLANK-1 — Lab Sample ID: 240-73125-12

Date Collected: 12/05/16 00:00 — **Matrix: Water**
Date Received: 12/09/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259413	12/14/16 18:14	LRW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73125-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10975	03-31-17

3.4/3.4

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

186925

Page 1 of 2

BP/ARC Project Name: BP Sunborn
BP/ARC Facility No:
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No X
Lab Work Order Number:

Lab Name: Test America - Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuffel St NW Canton, OH	City, State, ZIP Code: Sunborn, NY 14120	Consultant/Contractor Project No:
Lab PM: Patrick O'meara	Lead Regulatory Agency: NYSDEC	Address: 257 West Genesee St. Suite 400 Buffalo NY 14202
Lab Phone: 330-497-9396	California Global ID No.:	Consultant/Contractor PM: James Kaczor
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 716-923 1300
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: James.Kaczor@AECOM.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ___ Contractor X
BP/ARC EBM:		
EBM Phone:		
EBM Email:		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260C
	B-32M	12/05/16	1055		X						X		X
	B-46M	12/05/16	1235		X						X		X
	B-29M	12/05/16	1350		X						X		X
	B-23M	12/05/16	1540		X						X		X
	B-51M	12/6/16	1030		X						X		X
	B-24M	12/6/16	1038		X						X		X
	Quarry	12/6/16	1225		X						X		X
	B-38M	12/6/16	1240		X						X		X
	B-22M	12/6/16	1515		X						X		X
	B-21M	12/6/16	1535		X						X		X

240-73125 Chain of Custody

Report Type & QC Level
Standard ___
Full Data Package ___

Comments
Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	12-7-16	18:05		12-7-16	1805
Shipment Method: Ship Date:		12/8/16	1600	BOP/TAL	12-9-16	10:30
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.4/3.4 °C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory Copy

BP/ARC LaMP COC Rev. 6 01/01/2009

3.4/3.4

Laboratory Management Program LaMP Chain of Custody Record

186923

Page 2 of 2

Atlantic Richfield Company — A BP affiliated company

BP/ARC Project Name: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP/ARC Facility No: | Lab Work Order Number:

Lab Name: Test America-Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuffel St Canton OH 44720	City, State, ZIP Code: Sanborn, NY 14120	Consultant/Contractor Project No:
Lab PM: Patrick O'Meara	Lead Regulatory Agency: NYSDEC	Address: 257 West Genesee St Suite 400 Buffalo NY 14202
Lab Phone: 330-497-9396	California Global ID No.:	Consultant/Contractor PM: James Kalzor
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 716-923-1300
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: James.Kalzor
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ___ Contractor X

BP/ARC EBM:

EBM Phone:

EBM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260C	Comments
	Dup-100	12/6/16	0500		X						X		X	
	Trip Blank-1	12/5/16	—		X						X		X	

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	12-7-16	18:05		12-7-16	1805
Shipment Method: Ship Date:		12/8/16	1600	POP / FAL	12-9-16	10:30
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory Copy

BP/ARC LaMP COC Rev. 6 01/01/2009

12/27/2016

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 73125**

Canton Facility

Client ATLANTIC RICHFIELD Site Name _____ Cooler unpacked by: POP

Cooler Received on 12-9-16 Opened on 12-9-16

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

☐ See Multiple Cooler Form

1. Cooler temperature upon receipt
   IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. 3.4 °C Corrected Cooler Temp. 3.4 °C
   IR GUN #36 (CF +1.1°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-73270-1
Client Project/Site: BP Sanborn

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: George Kisluk

Authorized for release by:
12/28/2016 6:03:56 PM

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-73270-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP Sanborn

Report Number: 240-73270-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/13/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8º C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples B-28M (240-73270-1), B-53M (240-73270-2), B-52M (240-73270-3), B-50M (240-73270-4), B-6M (240-73270-5), DUP-200 (240-73270-6), B-8M (240-73270-7), B-18M (240-73270-8), B-41M (240-73270-9), PW-3 (240-73270-10), P-4 (240-73270-11), P-2 (240-73270-12), B-40M (240-73270-13), B-39M (240-73270-14), B-10M (240-73270-15), B-49M (240-73270-16), B-48M (240-73270-17), B-13M (240-73270-18), B-17M (240-73270-19), B-44M (240-73270-20), P-3 (240-73270-21), PW-4 (240-73270-22), PW-1 (240-73270-23), B-9M (240-73270-24), B-42M (240-73270-25) and TRIP BLANK-2 (240-73270-26) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 12/15/2016, 12/16/2016 and 12/19/2016.

Samples B-50M (240-73270-4)[3.33X], B-6M (240-73270-5)[10X], B-8M (240-73270-7)[1666.67X], PW-3 (240-73270-10)[33.33X], P-4 (240-73270-11)[14.28X], P-2 (240-73270-12)[200X], B-39M (240-73270-14)[1.43X], B-10M (240-73270-15)[1.43X], B-49M (240-73270-16)[4X], B-13M (240-73270-18)[33.33X], B-17M (240-73270-19)[200X], B-44M (240-73270-20)[5X], P-3 (240-73270-21)[1.43X], PW-4 (240-73270-22)[18.18X] and PW-1 (240-73270-23)[200X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-73270-1	B-28M	Water	12/07/16 11:40	12/13/16 09:30
240-73270-2	B-53M	Water	12/07/16 14:00	12/13/16 09:30
240-73270-3	B-52M	Water	12/07/16 14:35	12/13/16 09:30
240-73270-4	B-50M	Water	12/07/16 16:20	12/13/16 09:30
240-73270-5	B-6M	Water	12/07/16 15:55	12/13/16 09:30
240-73270-6	DUP-200	Water	12/07/16 08:00	12/13/16 09:30
240-73270-7	B-8M	Water	12/08/16 11:15	12/13/16 09:30
240-73270-8	B-18M	Water	12/08/16 11:30	12/13/16 09:30
240-73270-9	B-41M	Water	12/08/16 14:00	12/13/16 09:30
240-73270-10	PW-3	Water	12/08/16 14:20	12/13/16 09:30
240-73270-11	P-4	Water	12/08/16 14:40	12/13/16 09:30
240-73270-12	P-2	Water	12/08/16 15:00	12/13/16 09:30
240-73270-13	B-40M	Water	12/08/16 15:25	12/13/16 09:30
240-73270-14	B-39M	Water	12/08/16 16:10	12/13/16 09:30
240-73270-15	B-10M	Water	12/08/16 16:25	12/13/16 09:30
240-73270-16	B-49M	Water	12/09/16 10:05	12/13/16 09:30
240-73270-17	B-48M	Water	12/09/16 11:15	12/13/16 09:30
240-73270-18	B-13M	Water	12/09/16 12:40	12/13/16 09:30
240-73270-19	B-17M	Water	12/09/16 13:00	12/13/16 09:30
240-73270-20	B-44M	Water	12/09/16 14:20	12/13/16 09:30
240-73270-21	P-3	Water	12/09/16 10:40	12/13/16 09:30
240-73270-22	PW-4	Water	12/09/16 16:00	12/13/16 09:30
240-73270-23	PW-1	Water	12/09/16 13:05	12/13/16 09:30
240-73270-24	B-9M	Water	12/09/16 13:15	12/13/16 09:30
240-73270-25	B-42M	Water	12/09/16 15:40	12/13/16 09:30
240-73270-26	TRIP BLANK-2	Water	12/07/16 00:00	12/13/16 09:30

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-28M — Lab Sample ID: 240-73270-1

No Detections.

Client Sample ID: B-53M — Lab Sample ID: 240-73270-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.3		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	0.48	J	1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-52M — Lab Sample ID: 240-73270-3

No Detections.

Client Sample ID: B-50M — Lab Sample ID: 240-73270-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15		3.3	1.0	ug/L	3.33		8260C	Total/NA
trans-1,2-Dichloroethene	1.2	J	3.3	0.97	ug/L	3.33		8260C	Total/NA
Trichloroethene	78		3.3	1.1	ug/L	3.33		8260C	Total/NA

Client Sample ID: B-6M — Lab Sample ID: 240-73270-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	22		10	3.0	ug/L	10		8260C	Total/NA
Trichloroethene	240		10	3.3	ug/L	10		8260C	Total/NA

Client Sample ID: DUP-200 — Lab Sample ID: 240-73270-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.3		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	13		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	0.49	J	1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-8M — Lab Sample ID: 240-73270-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2200		1700	500	ug/L	1666.67		8260C	Total/NA
Methylene Chloride	1300	J	1700	880	ug/L	1666.67		8260C	Total/NA
Trichloroethene	40000		1700	550	ug/L	1666.67		8260C	Total/NA

Client Sample ID: B-18M — Lab Sample ID: 240-73270-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.49	J	1.0	0.29	ug/L	1		8260C	Total/NA
Vinyl chloride	11		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-41M — Lab Sample ID: 240-73270-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.5		1.0	0.30	ug/L	1		8260C	Total/NA
Vinyl chloride	4.4		1.0	0.45	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: PW-3 — Lab Sample ID: 240-73270-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	350		33	10	ug/L	33.33		8260C	Total/NA
Trichloroethene	920		33	11	ug/L	33.33		8260C	Total/NA

Client Sample ID: P-4 — Lab Sample ID: 240-73270-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	16		14	3.6	ug/L	14.28		8260C	Total/NA
cis-1,2-Dichloroethene	52		14	4.3	ug/L	14.28		8260C	Total/NA
Trichloroethene	140		14	4.7	ug/L	14.28		8260C	Total/NA
Vinyl chloride	10	J	14	6.4	ug/L	14.28		8260C	Total/NA

Client Sample ID: P-2 — Lab Sample ID: 240-73270-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1200		200	46	ug/L	200		8260C	Total/NA
1,1-Dichloroethane	190	J	200	50	ug/L	200		8260C	Total/NA
1,1-Dichloroethene	60	J	200	54	ug/L	200		8260C	Total/NA
cis-1,2-Dichloroethene	540		200	60	ug/L	200		8260C	Total/NA
Trichloroethene	5100		200	66	ug/L	200		8260C	Total/NA

Client Sample ID: B-40M — Lab Sample ID: 240-73270-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.6		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.77	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	5.4		1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: B-39M — Lab Sample ID: 240-73270-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.4	0.43	ug/L	1.43		8260C	Total/NA
trans-1,2-Dichloroethene	0.72	J	1.4	0.41	ug/L	1.43		8260C	Total/NA
Trichloroethene	38		1.4	0.47	ug/L	1.43		8260C	Total/NA

Client Sample ID: B-10M — Lab Sample ID: 240-73270-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.7		1.4	0.33	ug/L	1.43		8260C	Total/NA
1,1-Dichloroethane	0.89	J	1.4	0.36	ug/L	1.43		8260C	Total/NA
1,1-Dichloroethene	0.46	J	1.4	0.39	ug/L	1.43		8260C	Total/NA
cis-1,2-Dichloroethene	9.7		1.4	0.43	ug/L	1.43		8260C	Total/NA
trans-1,2-Dichloroethene	0.74	J	1.4	0.41	ug/L	1.43		8260C	Total/NA
Trichloroethene	39		1.4	0.47	ug/L	1.43		8260C	Total/NA

Client Sample ID: B-49M — Lab Sample ID: 240-73270-16

No Detections.

Client Sample ID: B-48M — Lab Sample ID: 240-73270-17

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-48M (Continued) — Lab Sample ID: 240-73270-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.33	J	1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	0.66	J	1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: B-13M — Lab Sample ID: 240-73270-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	750		33	10	ug/L	33.33		8260C	Total/NA
trans-1,2-Dichloroethene	13	J	33	9.7	ug/L	33.33		8260C	Total/NA
Trichloroethene	260		33	11	ug/L	33.33		8260C	Total/NA

Client Sample ID: B-17M — Lab Sample ID: 240-73270-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4100		200	60	ug/L	200		8260C	Total/NA
Methylene Chloride	150	J	200	110	ug/L	200		8260C	Total/NA
Trichloroethene	3200		200	66	ug/L	200		8260C	Total/NA
Vinyl chloride	1500		200	90	ug/L	200		8260C	Total/NA

Client Sample ID: B-44M — Lab Sample ID: 240-73270-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.9	J	5.0	1.3	ug/L	5		8260C	Total/NA
Carbon tetrachloride	5.9		5.0	1.8	ug/L	5		8260C	Total/NA
Chloroform	4.4	J	5.0	1.6	ug/L	5		8260C	Total/NA
Methylene Chloride	3.8	J	5.0	2.7	ug/L	5		8260C	Total/NA

Client Sample ID: P-3 — Lab Sample ID: 240-73270-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	45		1.4	0.43	ug/L	1.43		8260C	Total/NA
Methylene Chloride	0.80	J	1.4	0.76	ug/L	1.43		8260C	Total/NA
trans-1,2-Dichloroethene	3.5		1.4	0.41	ug/L	1.43		8260C	Total/NA
Trichloroethene	0.61	J	1.4	0.47	ug/L	1.43		8260C	Total/NA
Vinyl chloride	2.2		1.4	0.64	ug/L	1.43		8260C	Total/NA

Client Sample ID: PW-4 — Lab Sample ID: 240-73270-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	6.6	J	18	4.5	ug/L	18.18		8260C	Total/NA
cis-1,2-Dichloroethene	340		18	5.5	ug/L	18.18		8260C	Total/NA
Methylene Chloride	12	J	18	9.6	ug/L	18.18		8260C	Total/NA
Trichloroethene	480		18	6.0	ug/L	18.18		8260C	Total/NA

Client Sample ID: PW-1 — Lab Sample ID: 240-73270-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	430		200	60	ug/L	200		8260C	Total/NA
Methylene Chloride	150	J	200	110	ug/L	200		8260C	Total/NA
Trichloroethene	2200		200	66	ug/L	200		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-9M — Lab Sample ID: 240-73270-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.57	J	1.0	0.30	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.9		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	1.8		1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: B-42M — Lab Sample ID: 240-73270-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	7.3		1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-2 — Lab Sample ID: 240-73270-26

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-28M
Date Collected: 12/07/16 11:40
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 21:53	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/15/16 21:53	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/15/16 21:53	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/15/16 21:53	1
Chloroform	ND		1.0	0.31	ug/L			12/15/16 21:53	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/15/16 21:53	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/15/16 21:53	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/15/16 21:53	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 21:53	1
Trichloroethene	ND		1.0	0.33	ug/L			12/15/16 21:53	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/15/16 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 132*		*12/15/16 21:53*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*12/15/16 21:53*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/15/16 21:53*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/15/16 21:53*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-53M
Date Collected: 12/07/16 14:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 21:08	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/15/16 21:08	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/15/16 21:08	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/15/16 21:08	1
Chloroform	ND		1.0	0.31	ug/L			12/15/16 21:08	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.30	ug/L			12/15/16 21:08	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/15/16 21:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/15/16 21:08	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 21:08	1
Trichloroethene	**12**		1.0	0.33	ug/L			12/15/16 21:08	1
Vinyl chloride	**0.48**	**J**	1.0	0.45	ug/L			12/15/16 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 132*		*12/15/16 21:08*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/15/16 21:08*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/15/16 21:08*	*1*
Toluene-d8 (Surr)	*89*		*73 - 124*		*12/15/16 21:08*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-52M
Date Collected: 12/07/16 14:35
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 21:31	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/15/16 21:31	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/15/16 21:31	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/15/16 21:31	1
Chloroform	ND		1.0	0.31	ug/L			12/15/16 21:31	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/15/16 21:31	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/15/16 21:31	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/15/16 21:31	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 21:31	1
Trichloroethene	ND		1.0	0.33	ug/L			12/15/16 21:31	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/15/16 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/15/16 21:31*	*1*
4-Bromofluorobenzene (Surr)	*78*		*73 - 120*		*12/15/16 21:31*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/15/16 21:31*	*1*
Toluene-d8 (Surr)	*85*		*73 - 124*		*12/15/16 21:31*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-50M
Date Collected: 12/07/16 16:20
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	0.77	ug/L			12/16/16 15:00	3.33
1,1-Dichloroethane	ND		3.3	0.83	ug/L			12/16/16 15:00	3.33
1,1-Dichloroethene	ND		3.3	0.90	ug/L			12/16/16 15:00	3.33
Carbon tetrachloride	ND		3.3	1.2	ug/L			12/16/16 15:00	3.33
Chloroform	ND		3.3	1.0	ug/L			12/16/16 15:00	3.33
cis-1,2-Dichloroethene	**15**		3.3	1.0	ug/L			12/16/16 15:00	3.33
Methylene Chloride	ND		3.3	1.8	ug/L			12/16/16 15:00	3.33
Tetrachloroethene	ND		3.3	1.0	ug/L			12/16/16 15:00	3.33
trans-1,2-Dichloroethene	**1.2**	**J**	3.3	0.97	ug/L			12/16/16 15:00	3.33
Trichloroethene	**78**		3.3	1.1	ug/L			12/16/16 15:00	3.33
Vinyl chloride	ND		3.3	1.5	ug/L			12/16/16 15:00	3.33

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 132*		*12/16/16 15:00*	*3.33*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/16/16 15:00*	*3.33*
Dibromofluoromethane (Surr)	*83*		*80 - 120*		*12/16/16 15:00*	*3.33*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 15:00*	*3.33*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-6M
Date Collected: 12/07/16 15:55
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	2.3	ug/L			12/16/16 20:14	10
1,1-Dichloroethane	ND		10	2.5	ug/L			12/16/16 20:14	10
1,1-Dichloroethene	ND		10	2.7	ug/L			12/16/16 20:14	10
Carbon tetrachloride	ND		10	3.5	ug/L			12/16/16 20:14	10
Chloroform	ND		10	3.1	ug/L			12/16/16 20:14	10
cis-1,2-Dichloroethene	**22**		10	3.0	ug/L			12/16/16 20:14	10
Methylene Chloride	ND		10	5.3	ug/L			12/16/16 20:14	10
Tetrachloroethene	ND		10	3.0	ug/L			12/16/16 20:14	10
trans-1,2-Dichloroethene	ND		10	2.9	ug/L			12/16/16 20:14	10
Trichloroethene	**240**		10	3.3	ug/L			12/16/16 20:14	10
Vinyl chloride	ND		10	4.5	ug/L			12/16/16 20:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/16/16 20:14*	*10*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/16/16 20:14*	*10*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/16/16 20:14*	*10*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 20:14*	*10*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: DUP-200
Date Collected: 12/07/16 08:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 15:23	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 15:23	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 15:23	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 15:23	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 15:23	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.30	ug/L			12/16/16 15:23	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 15:23	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 15:23	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/16/16 15:23	1
Trichloroethene	**13**		1.0	0.33	ug/L			12/16/16 15:23	1
Vinyl chloride	**0.49**	**J**	1.0	0.45	ug/L			12/16/16 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/16/16 15:23*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/16/16 15:23*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/16/16 15:23*	*1*
Toluene-d8 (Surr)	*89*		*73 - 124*		*12/16/16 15:23*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-8M
Date Collected: 12/08/16 11:15
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1700	380	ug/L			12/19/16 16:31	1666.67
1,1-Dichloroethane	ND		1700	420	ug/L			12/19/16 16:31	1666.67
1,1-Dichloroethene	ND		1700	450	ug/L			12/19/16 16:31	1666.67
Carbon tetrachloride	ND		1700	580	ug/L			12/19/16 16:31	1666.67
Chloroform	ND		1700	520	ug/L			12/19/16 16:31	1666.67
cis-1,2-Dichloroethene	**2200**		1700	500	ug/L			12/19/16 16:31	1666.67
Methylene Chloride	**1300**	**J**	1700	880	ug/L			12/19/16 16:31	1666.67
Tetrachloroethene	ND		1700	500	ug/L			12/19/16 16:31	1666.67
trans-1,2-Dichloroethene	ND		1700	480	ug/L			12/19/16 16:31	1666.67
Trichloroethene	**40000**		1700	550	ug/L			12/19/16 16:31	1666.67
Vinyl chloride	ND		1700	750	ug/L			12/19/16 16:31	1666.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/19/16 16:31*	*1666.67*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*12/19/16 16:31*	*1666.67*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*12/19/16 16:31*	*1666.67*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/19/16 16:31*	*1666.67*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-18M
Date Collected: 12/08/16 11:30
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 16:08	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 16:08	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 16:08	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 16:08	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 16:08	1
cis-1,2-Dichloroethene	**16**		1.0	0.30	ug/L			12/16/16 16:08	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 16:08	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 16:08	1
trans-1,2-Dichloroethene	**0.49**	**J**	1.0	0.29	ug/L			12/16/16 16:08	1
Trichloroethene	ND		1.0	0.33	ug/L			12/16/16 16:08	1
Vinyl chloride	**11**		1.0	0.45	ug/L			12/16/16 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/16/16 16:08*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/16/16 16:08*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/16/16 16:08*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/16/16 16:08*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-41M
Date Collected: 12/08/16 14:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 16:30	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 16:30	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 16:30	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 16:30	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 16:30	1
cis-1,2-Dichloroethene	**7.5**		1.0	0.30	ug/L			12/16/16 16:30	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 16:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 16:30	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/16/16 16:30	1
Trichloroethene	ND		1.0	0.33	ug/L			12/16/16 16:30	1
Vinyl chloride	**4.4**		1.0	0.45	ug/L			12/16/16 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 132*		*12/16/16 16:30*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*12/16/16 16:30*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/16/16 16:30*	*1*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 16:30*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: PW-3
Date Collected: 12/08/16 14:20
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		33	7.7	ug/L			12/16/16 16:53	33.33
1,1-Dichloroethane	ND		33	8.3	ug/L			12/16/16 16:53	33.33
1,1-Dichloroethene	ND		33	9.0	ug/L			12/16/16 16:53	33.33
Carbon tetrachloride	ND		33	12	ug/L			12/16/16 16:53	33.33
Chloroform	ND		33	10	ug/L			12/16/16 16:53	33.33
cis-1,2-Dichloroethene	**350**		33	10	ug/L			12/16/16 16:53	33.33
Methylene Chloride	ND		33	18	ug/L			12/16/16 16:53	33.33
Tetrachloroethene	ND		33	10	ug/L			12/16/16 16:53	33.33
trans-1,2-Dichloroethene	ND		33	9.7	ug/L			12/16/16 16:53	33.33
Trichloroethene	**920**		33	11	ug/L			12/16/16 16:53	33.33
Vinyl chloride	ND		33	15	ug/L			12/16/16 16:53	33.33

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 132*		*12/16/16 16:53*	*33.33*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/16/16 16:53*	*33.33*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*12/16/16 16:53*	*33.33*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/16/16 16:53*	*33.33*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: P-4
Date Collected: 12/08/16 14:40
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		14	3.3	ug/L			12/16/16 17:15	14.28
1,1-Dichloroethane	**16**		14	3.6	ug/L			12/16/16 17:15	14.28
1,1-Dichloroethene	ND		14	3.9	ug/L			12/16/16 17:15	14.28
Carbon tetrachloride	ND		14	5.0	ug/L			12/16/16 17:15	14.28
Chloroform	ND		14	4.4	ug/L			12/16/16 17:15	14.28
cis-1,2-Dichloroethene	**52**		14	4.3	ug/L			12/16/16 17:15	14.28
Methylene Chloride	ND		14	7.6	ug/L			12/16/16 17:15	14.28
Tetrachloroethene	ND		14	4.3	ug/L			12/16/16 17:15	14.28
trans-1,2-Dichloroethene	ND		14	4.1	ug/L			12/16/16 17:15	14.28
Trichloroethene	**140**		14	4.7	ug/L			12/16/16 17:15	14.28
Vinyl chloride	**10**	**J**	14	6.4	ug/L			12/16/16 17:15	14.28

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/16/16 17:15*	*14.28*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/16/16 17:15*	*14.28*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/16/16 17:15*	*14.28*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/16/16 17:15*	*14.28*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: P-2
Date Collected: 12/08/16 15:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1200		200	46	ug/L			12/16/16 17:37	200
1,1-Dichloroethane	190	J	200	50	ug/L			12/16/16 17:37	200
1,1-Dichloroethene	60	J	200	54	ug/L			12/16/16 17:37	200
Carbon tetrachloride	ND		200	70	ug/L			12/16/16 17:37	200
Chloroform	ND		200	62	ug/L			12/16/16 17:37	200
cis-1,2-Dichloroethene	540		200	60	ug/L			12/16/16 17:37	200
Methylene Chloride	ND		200	110	ug/L			12/16/16 17:37	200
Tetrachloroethene	ND		200	60	ug/L			12/16/16 17:37	200
trans-1,2-Dichloroethene	ND		200	58	ug/L			12/16/16 17:37	200
Trichloroethene	5100		200	66	ug/L			12/16/16 17:37	200
Vinyl chloride	ND		200	90	ug/L			12/16/16 17:37	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 132*		*12/16/16 17:37*	*200*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/16/16 17:37*	*200*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/16/16 17:37*	*200*
Toluene-d8 (Surr)	*90*		*73 - 124*		*12/16/16 17:37*	*200*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-40M
Date Collected: 12/08/16 15:25
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 18:00	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 18:00	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 18:00	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 18:00	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 18:00	1
cis-1,2-Dichloroethene	**5.6**		1.0	0.30	ug/L			12/16/16 18:00	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 18:00	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 18:00	1
trans-1,2-Dichloroethene	**0.77**	**J**	1.0	0.29	ug/L			12/16/16 18:00	1
Trichloroethene	**5.4**		1.0	0.33	ug/L			12/16/16 18:00	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/16/16 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/16/16 18:00*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/16/16 18:00*	*1*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/16/16 18:00*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/16/16 18:00*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-39M
Date Collected: 12/08/16 16:10
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.33	ug/L			12/16/16 18:22	1.43
1,1-Dichloroethane	ND		1.4	0.36	ug/L			12/16/16 18:22	1.43
1,1-Dichloroethene	ND		1.4	0.39	ug/L			12/16/16 18:22	1.43
Carbon tetrachloride	ND		1.4	0.50	ug/L			12/16/16 18:22	1.43
Chloroform	ND		1.4	0.44	ug/L			12/16/16 18:22	1.43
cis-1,2-Dichloroethene	**10**		1.4	0.43	ug/L			12/16/16 18:22	1.43
Methylene Chloride	ND		1.4	0.76	ug/L			12/16/16 18:22	1.43
Tetrachloroethene	ND		1.4	0.43	ug/L			12/16/16 18:22	1.43
trans-1,2-Dichloroethene	**0.72**	**J**	1.4	0.41	ug/L			12/16/16 18:22	1.43
Trichloroethene	**38**		1.4	0.47	ug/L			12/16/16 18:22	1.43
Vinyl chloride	ND		1.4	0.64	ug/L			12/16/16 18:22	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/16/16 18:22*	*1.43*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/16/16 18:22*	*1.43*
Dibromofluoromethane (Surr)	*92*		*80 - 120*		*12/16/16 18:22*	*1.43*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/16/16 18:22*	*1.43*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-10M
Date Collected: 12/08/16 16:25
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.7**		1.4	0.33	ug/L			12/16/16 18:45	1.43
1,1-Dichloroethane	**0.89**	**J**	1.4	0.36	ug/L			12/16/16 18:45	1.43
1,1-Dichloroethene	**0.46**	**J**	1.4	0.39	ug/L			12/16/16 18:45	1.43
Carbon tetrachloride	ND		1.4	0.50	ug/L			12/16/16 18:45	1.43
Chloroform	ND		1.4	0.44	ug/L			12/16/16 18:45	1.43
cis-1,2-Dichloroethene	**9.7**		1.4	0.43	ug/L			12/16/16 18:45	1.43
Methylene Chloride	ND		1.4	0.76	ug/L			12/16/16 18:45	1.43
Tetrachloroethene	ND		1.4	0.43	ug/L			12/16/16 18:45	1.43
trans-1,2-Dichloroethene	**0.74**	**J**	1.4	0.41	ug/L			12/16/16 18:45	1.43
Trichloroethene	**39**		1.4	0.47	ug/L			12/16/16 18:45	1.43
Vinyl chloride	ND		1.4	0.64	ug/L			12/16/16 18:45	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/16/16 18:45*	*1.43*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/16/16 18:45*	*1.43*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/16/16 18:45*	*1.43*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/16/16 18:45*	*1.43*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-49M
Date Collected: 12/09/16 10:05
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	0.92	ug/L			12/16/16 19:07	4
1,1-Dichloroethane	ND		4.0	1.0	ug/L			12/16/16 19:07	4
1,1-Dichloroethene	ND		4.0	1.1	ug/L			12/16/16 19:07	4
Carbon tetrachloride	ND		4.0	1.4	ug/L			12/16/16 19:07	4
Chloroform	ND		4.0	1.2	ug/L			12/16/16 19:07	4
cis-1,2-Dichloroethene	ND		4.0	1.2	ug/L			12/16/16 19:07	4
Methylene Chloride	ND		4.0	2.1	ug/L			12/16/16 19:07	4
Tetrachloroethene	ND		4.0	1.2	ug/L			12/16/16 19:07	4
trans-1,2-Dichloroethene	ND		4.0	1.2	ug/L			12/16/16 19:07	4
Trichloroethene	ND		4.0	1.3	ug/L			12/16/16 19:07	4
Vinyl chloride	ND		4.0	1.8	ug/L			12/16/16 19:07	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/16/16 19:07*	*4*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/16/16 19:07*	*4*
Dibromofluoromethane (Surr)	*91*		*80 - 120*		*12/16/16 19:07*	*4*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 19:07*	*4*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-48M
Date Collected: 12/09/16 11:15
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 19:30	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 19:30	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 19:30	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 19:30	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 19:30	1
cis-1,2-Dichloroethene	**0.33**	**J**	1.0	0.30	ug/L			12/16/16 19:30	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 19:30	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 19:30	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/16/16 19:30	1
Trichloroethene	**0.66**	**J**	1.0	0.33	ug/L			12/16/16 19:30	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/16/16 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/16/16 19:30*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*12/16/16 19:30*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/16/16 19:30*	*1*
Toluene-d8 (Surr)	*90*		*73 - 124*		*12/16/16 19:30*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-13M
Date Collected: 12/09/16 12:40
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		33	7.7	ug/L			12/16/16 19:52	33.33
1,1-Dichloroethane	ND		33	8.3	ug/L			12/16/16 19:52	33.33
1,1-Dichloroethene	ND		33	9.0	ug/L			12/16/16 19:52	33.33
Carbon tetrachloride	ND		33	12	ug/L			12/16/16 19:52	33.33
Chloroform	ND		33	10	ug/L			12/16/16 19:52	33.33
cis-1,2-Dichloroethene	**750**		33	10	ug/L			12/16/16 19:52	33.33
Methylene Chloride	ND		33	18	ug/L			12/16/16 19:52	33.33
Tetrachloroethene	ND		33	10	ug/L			12/16/16 19:52	33.33
trans-1,2-Dichloroethene	**13**	**J**	33	9.7	ug/L			12/16/16 19:52	33.33
Trichloroethene	**260**		33	11	ug/L			12/16/16 19:52	33.33
Vinyl chloride	ND		33	15	ug/L			12/16/16 19:52	33.33

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/16/16 19:52*	*33.33*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/16/16 19:52*	*33.33*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/16/16 19:52*	*33.33*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 19:52*	*33.33*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-17M
Date Collected: 12/09/16 13:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-19
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	46	ug/L			12/19/16 16:53	200
1,1-Dichloroethane	ND		200	50	ug/L			12/19/16 16:53	200
1,1-Dichloroethene	ND		200	54	ug/L			12/19/16 16:53	200
Carbon tetrachloride	ND		200	70	ug/L			12/19/16 16:53	200
Chloroform	ND		200	62	ug/L			12/19/16 16:53	200
cis-1,2-Dichloroethene	**4100**		200	60	ug/L			12/19/16 16:53	200
Methylene Chloride	**150**	**J**	200	110	ug/L			12/19/16 16:53	200
Tetrachloroethene	ND		200	60	ug/L			12/19/16 16:53	200
trans-1,2-Dichloroethene	ND		200	58	ug/L			12/19/16 16:53	200
Trichloroethene	**3200**		200	66	ug/L			12/19/16 16:53	200
Vinyl chloride	**1500**		200	90	ug/L			12/19/16 16:53	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*		*12/19/16 16:53*	*200*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/19/16 16:53*	*200*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*12/19/16 16:53*	*200*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/19/16 16:53*	*200*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-44M
Date Collected: 12/09/16 14:20
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-20
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.2	ug/L			12/19/16 17:16	5
1,1-Dichloroethane	**4.9**	**J**	5.0	1.3	ug/L			12/19/16 17:16	5
1,1-Dichloroethene	ND		5.0	1.4	ug/L			12/19/16 17:16	5
Carbon tetrachloride	**5.9**		5.0	1.8	ug/L			12/19/16 17:16	5
Chloroform	**4.4**	**J**	5.0	1.6	ug/L			12/19/16 17:16	5
cis-1,2-Dichloroethene	ND		5.0	1.5	ug/L			12/19/16 17:16	5
Methylene Chloride	**3.8**	**J**	5.0	2.7	ug/L			12/19/16 17:16	5
Tetrachloroethene	ND		5.0	1.5	ug/L			12/19/16 17:16	5
trans-1,2-Dichloroethene	ND		5.0	1.5	ug/L			12/19/16 17:16	5
Trichloroethene	ND		5.0	1.7	ug/L			12/19/16 17:16	5
Vinyl chloride	ND		5.0	2.3	ug/L			12/19/16 17:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 132*		*12/19/16 17:16*	*5*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*12/19/16 17:16*	*5*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/19/16 17:16*	*5*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/19/16 17:16*	*5*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: P-3
Date Collected: 12/09/16 10:40
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.33	ug/L			12/19/16 17:38	1.43
1,1-Dichloroethane	ND		1.4	0.36	ug/L			12/19/16 17:38	1.43
1,1-Dichloroethene	ND		1.4	0.39	ug/L			12/19/16 17:38	1.43
Carbon tetrachloride	ND		1.4	0.50	ug/L			12/19/16 17:38	1.43
Chloroform	ND		1.4	0.44	ug/L			12/19/16 17:38	1.43
cis-1,2-Dichloroethene	**45**		1.4	0.43	ug/L			12/19/16 17:38	1.43
Methylene Chloride	**0.80**	**J**	1.4	0.76	ug/L			12/19/16 17:38	1.43
Tetrachloroethene	ND		1.4	0.43	ug/L			12/19/16 17:38	1.43
trans-1,2-Dichloroethene	**3.5**		1.4	0.41	ug/L			12/19/16 17:38	1.43
Trichloroethene	**0.61**	**J**	1.4	0.47	ug/L			12/19/16 17:38	1.43
Vinyl chloride	**2.2**		1.4	0.64	ug/L			12/19/16 17:38	1.43

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/19/16 17:38*	*1.43*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*12/19/16 17:38*	*1.43*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/19/16 17:38*	*1.43*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/19/16 17:38*	*1.43*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: PW-4
Date Collected: 12/09/16 16:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-22
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		18	4.2	ug/L			12/19/16 18:01	18.18
1,1-Dichloroethane	**6.6**	**J**	18	4.5	ug/L			12/19/16 18:01	18.18
1,1-Dichloroethene	ND		18	4.9	ug/L			12/19/16 18:01	18.18
Carbon tetrachloride	ND		18	6.4	ug/L			12/19/16 18:01	18.18
Chloroform	ND		18	5.6	ug/L			12/19/16 18:01	18.18
cis-1,2-Dichloroethene	**340**		18	5.5	ug/L			12/19/16 18:01	18.18
Methylene Chloride	**12**	**J**	18	9.6	ug/L			12/19/16 18:01	18.18
Tetrachloroethene	ND		18	5.5	ug/L			12/19/16 18:01	18.18
trans-1,2-Dichloroethene	ND		18	5.3	ug/L			12/19/16 18:01	18.18
Trichloroethene	**480**		18	6.0	ug/L			12/19/16 18:01	18.18
Vinyl chloride	ND		18	8.2	ug/L			12/19/16 18:01	18.18

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*		*12/19/16 18:01*	*18.18*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/19/16 18:01*	*18.18*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/19/16 18:01*	*18.18*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/19/16 18:01*	*18.18*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: PW-1
Date Collected: 12/09/16 13:05
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-23
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	46	ug/L			12/19/16 18:23	200
1,1-Dichloroethane	ND		200	50	ug/L			12/19/16 18:23	200
1,1-Dichloroethene	ND		200	54	ug/L			12/19/16 18:23	200
Carbon tetrachloride	ND		200	70	ug/L			12/19/16 18:23	200
Chloroform	ND		200	62	ug/L			12/19/16 18:23	200
cis-1,2-Dichloroethene	**430**		200	60	ug/L			12/19/16 18:23	200
Methylene Chloride	**150**	**J**	200	110	ug/L			12/19/16 18:23	200
Tetrachloroethene	ND		200	60	ug/L			12/19/16 18:23	200
trans-1,2-Dichloroethene	ND		200	58	ug/L			12/19/16 18:23	200
Trichloroethene	**2200**		200	66	ug/L			12/19/16 18:23	200
Vinyl chloride	ND		200	90	ug/L			12/19/16 18:23	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*		*12/19/16 18:23*	*200*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/19/16 18:23*	*200*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/19/16 18:23*	*200*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/19/16 18:23*	*200*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-9M
Date Collected: 12/09/16 13:15
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 18:45	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/19/16 18:45	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/19/16 18:45	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/19/16 18:45	1
Chloroform	ND		1.0	0.31	ug/L			12/19/16 18:45	1
cis-1,2-Dichloroethene	**0.57**	**J**	1.0	0.30	ug/L			12/19/16 18:45	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/19/16 18:45	1
Tetrachloroethene	**2.9**		1.0	0.30	ug/L			12/19/16 18:45	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/19/16 18:45	1
Trichloroethene	**1.8**		1.0	0.33	ug/L			12/19/16 18:45	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/19/16 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/19/16 18:45*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/19/16 18:45*	*1*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*12/19/16 18:45*	*1*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/19/16 18:45*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-42M
Date Collected: 12/09/16 15:40
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-25
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 19:07	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/19/16 19:07	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/19/16 19:07	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/19/16 19:07	1
Chloroform	ND		1.0	0.31	ug/L			12/19/16 19:07	1
cis-1,2-Dichloroethene	**16**		1.0	0.30	ug/L			12/19/16 19:07	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/19/16 19:07	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/19/16 19:07	1
trans-1,2-Dichloroethene	**1.5**		1.0	0.29	ug/L			12/19/16 19:07	1
Trichloroethene	**7.3**		1.0	0.33	ug/L			12/19/16 19:07	1
Vinyl chloride	**1.2**		1.0	0.45	ug/L			12/19/16 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/19/16 19:07*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/19/16 19:07*	*1*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*12/19/16 19:07*	*1*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/19/16 19:07*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: TRIP BLANK-2
Date Collected: 12/07/16 00:00
Date Received: 12/13/16 09:30

Lab Sample ID: 240-73270-26
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 19:29	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/19/16 19:29	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/19/16 19:29	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/19/16 19:29	1
Chloroform	ND		1.0	0.31	ug/L			12/19/16 19:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/19/16 19:29	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/19/16 19:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/19/16 19:29	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/19/16 19:29	1
Trichloroethene	ND		1.0	0.33	ug/L			12/19/16 19:29	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/19/16 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/19/16 19:29*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*12/19/16 19:29*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/19/16 19:29*	*1*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/19/16 19:29*	*1*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (63-132)	BFB (73-120)	DBFM (80-120)	TOL (73-124)
240-73270-1	B-28M	94	84	87	88
240-73270-1 MS	B-28M	91	92	89	90
240-73270-1 MSD	B-28M	88	89	89	88
240-73270-2	B-53M	95	82	90	89
240-73270-3	B-52M	92	78	88	85
240-73270-4	B-50M	91	81	83	87
240-73270-5	B-6M	92	82	90	87
240-73270-5 MS	B-6M	89	90	93	91
240-73270-5 MSD	B-6M	87	88	90	88
240-73270-6	DUP-200	93	83	88	89
240-73270-7	B-8M	90	80	84	88
240-73270-8	B-18M	90	83	88	88
240-73270-9	B-41M	91	84	90	87
240-73270-10	PW-3	94	83	92	88
240-73270-11	P-4	92	83	89	88
240-73270-12	P-2	91	83	87	90
240-73270-13	B-40M	92	82	88	88
240-73270-14	B-39M	93	81	92	88
240-73270-15	B-10M	90	82	89	86
240-73270-16	B-49M	93	81	91	87
240-73270-17	B-48M	92	85	90	90
240-73270-18	B-13M	93	82	89	87
240-73270-19	B-17M	89	81	86	87
240-73270-20	B-44M	94	79	87	86
240-73270-21	P-3	90	83	88	87
240-73270-22	PW-4	89	82	87	86
240-73270-23	PW-1	89	82	88	88
240-73270-24	B-9M	90	81	86	86
240-73270-25	B-42M	90	81	86	87
240-73270-26	TRIP BLANK-2	93	80	89	86
LCS 240-259625/4	Lab Control Sample	87	87	89	88
LCS 240-259783/4	Lab Control Sample	90	92	88	90
LCS 240-260075/4	Lab Control Sample	84	93	88	90
MB 240-259625/6	Method Blank	89	84	85	89
MB 240-259783/6	Method Blank	90	81	85	87
MB 240-260075/6	Method Blank	90	82	87	88

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 240-259625/6
Matrix: Water
Analysis Batch: 259625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/15/16 14:27	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/15/16 14:27	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/15/16 14:27	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/15/16 14:27	1
Chloroform	ND		1.0	0.31	ug/L			12/15/16 14:27	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/15/16 14:27	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/15/16 14:27	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/15/16 14:27	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/15/16 14:27	1
Trichloroethene	ND		1.0	0.33	ug/L			12/15/16 14:27	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/15/16 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*		*12/15/16 14:27*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*12/15/16 14:27*	*1*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*12/15/16 14:27*	*1*
Toluene-d8 (Surr)	*89*		*73 - 124*		*12/15/16 14:27*	*1*

Lab Sample ID: LCS 240-259625/4
Matrix: Water
Analysis Batch: 259625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.3		ug/L		103	79 - 133
1,1-Dichloroethane	10.0	9.63		ug/L		96	77 - 121
1,1-Dichloroethene	10.0	10.5		ug/L		105	70 - 141
Carbon tetrachloride	10.0	10.7		ug/L		107	69 - 149
Chloroform	10.0	9.78		ug/L		98	80 - 120
cis-1,2-Dichloroethene	10.0	9.63		ug/L		96	80 - 120
Methylene Chloride	10.0	10.6		ug/L		106	68 - 136
Tetrachloroethene	10.0	9.73		ug/L		97	80 - 123
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	80 - 123
Trichloroethene	10.0	9.94		ug/L		99	80 - 122
Vinyl chloride	10.0	8.91		ug/L		89	60 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 132*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
Toluene-d8 (Surr)	*88*		*73 - 124*

Lab Sample ID: 240-73270-1 MS
Matrix: Water
Analysis Batch: 259625

Client Sample ID: B-28M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		10.0	9.68		ug/L		97	55 - 150

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

Lab Sample ID: 240-73270-1 MS
Matrix: Water
Analysis Batch: 259625

Client Sample ID: B-28M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		10.0	9.70		ug/L		97	57 - 135
1,1-Dichloroethene	ND		10.0	10.2		ug/L		102	50 - 156
Carbon tetrachloride	ND		10.0	10.1		ug/L		101	51 - 154
Chloroform	ND		10.0	9.97		ug/L		100	67 - 133
cis-1,2-Dichloroethene	ND		10.0	9.88		ug/L		99	64 - 134
Methylene Chloride	ND		10.0	10.5		ug/L		105	48 - 138
Tetrachloroethene	ND		10.0	9.34		ug/L		93	54 - 138
trans-1,2-Dichloroethene	ND		10.0	10.4		ug/L		104	70 - 137
Trichloroethene	ND		10.0	9.65		ug/L		97	58 - 139
Vinyl chloride	ND		10.0	8.86		ug/L		89	38 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 132*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
Toluene-d8 (Surr)	*90*		*73 - 124*

Lab Sample ID: 240-73270-1 MSD
Matrix: Water
Analysis Batch: 259625

Client Sample ID: B-28M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		10.0	9.52		ug/L		95	55 - 150	2	35
1,1-Dichloroethane	ND		10.0	9.50		ug/L		95	57 - 135	2	35
1,1-Dichloroethene	ND		10.0	10.0		ug/L		100	50 - 156	2	35
Carbon tetrachloride	ND		10.0	9.66		ug/L		97	51 - 154	5	35
Chloroform	ND		10.0	9.42		ug/L		94	67 - 133	6	35
cis-1,2-Dichloroethene	ND		10.0	9.59		ug/L		96	64 - 134	3	35
Methylene Chloride	ND		10.0	10.5		ug/L		105	48 - 138	0	35
Tetrachloroethene	ND		10.0	8.69		ug/L		87	54 - 138	7	35
trans-1,2-Dichloroethene	ND		10.0	10.3		ug/L		103	70 - 137	1	25
Trichloroethene	ND		10.0	9.28		ug/L		93	58 - 139	4	35
Vinyl chloride	ND		10.0	8.72		ug/L		87	38 - 147	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*63 - 132*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*80 - 120*
Toluene-d8 (Surr)	*88*		*73 - 124*

Lab Sample ID: MB 240-259783/6
Matrix: Water
Analysis Batch: 259783

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/16/16 12:45	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/16/16 12:45	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/16/16 12:45	1

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

Lab Sample ID: MB 240-259783/6
Matrix: Water
Analysis Batch: 259783

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/16/16 12:45	1
Chloroform	ND		1.0	0.31	ug/L			12/16/16 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/16/16 12:45	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/16/16 12:45	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/16/16 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/16/16 12:45	1
Trichloroethene	ND		1.0	0.33	ug/L			12/16/16 12:45	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/16/16 12:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/16/16 12:45*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/16/16 12:45*	*1*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*12/16/16 12:45*	*1*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/16/16 12:45*	*1*

Lab Sample ID: LCS 240-259783/4
Matrix: Water
Analysis Batch: 259783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.5		ug/L		105	79 - 133
1,1-Dichloroethane	10.0	9.88		ug/L		99	77 - 121
1,1-Dichloroethene	10.0	10.6		ug/L		106	70 - 141
Carbon tetrachloride	10.0	10.8		ug/L		108	69 - 149
Chloroform	10.0	10.1		ug/L		101	80 - 120
cis-1,2-Dichloroethene	10.0	9.94		ug/L		99	80 - 120
Methylene Chloride	10.0	11.2		ug/L		112	68 - 136
Tetrachloroethene	10.0	9.76		ug/L		98	80 - 123
trans-1,2-Dichloroethene	10.0	10.7		ug/L		107	80 - 123
Trichloroethene	10.0	9.98		ug/L		100	80 - 122
Vinyl chloride	10.0	9.02		ug/L		90	60 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*90*		*73 - 124*

Lab Sample ID: 240-73270-5 MS
Matrix: Water
Analysis Batch: 259783

Client Sample ID: B-6M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	100		ug/L		100	55 - 150
1,1-Dichloroethane	ND		100	100		ug/L		100	57 - 135
1,1-Dichloroethene	ND		100	103		ug/L		103	50 - 156
Carbon tetrachloride	ND		100	103		ug/L		103	51 - 154
Chloroform	ND		100	102		ug/L		102	67 - 133

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

Lab Sample ID: 240-73270-5 MS
Matrix: Water
Analysis Batch: 259783

Client Sample ID: B-6M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	22		100	123		ug/L		101	64 - 134
Methylene Chloride	ND		100	111		ug/L		111	48 - 138
Tetrachloroethene	ND		100	95.4		ug/L		95	54 - 138
trans-1,2-Dichloroethene	ND		100	104		ug/L		104	70 - 137
Trichloroethene	240		100	327		ug/L		91	58 - 139
Vinyl chloride	ND		100	90.0		ug/L		90	38 - 147

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*80 - 120*
Toluene-d8 (Surr)	*91*		*73 - 124*

Lab Sample ID: 240-73270-5 MSD
Matrix: Water
Analysis Batch: 259783

Client Sample ID: B-6M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	104		ug/L		104	55 - 150	3	35
1,1-Dichloroethane	ND		100	98.0		ug/L		98	57 - 135	2	35
1,1-Dichloroethene	ND		100	106		ug/L		106	50 - 156	3	35
Carbon tetrachloride	ND		100	103		ug/L		103	51 - 154	0	35
Chloroform	ND		100	100		ug/L		100	67 - 133	2	35
cis-1,2-Dichloroethene	22		100	120		ug/L		99	64 - 134	2	35
Methylene Chloride	ND		100	110		ug/L		110	48 - 138	0	35
Tetrachloroethene	ND		100	95.1		ug/L		95	54 - 138	0	35
trans-1,2-Dichloroethene	ND		100	106		ug/L		106	70 - 137	2	25
Trichloroethene	240		100	326		ug/L		90	58 - 139	0	35
Vinyl chloride	ND		100	88.3		ug/L		88	38 - 147	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 132*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*
Dibromofluoromethane (Surr)	*90*		*80 - 120*
Toluene-d8 (Surr)	*88*		*73 - 124*

Lab Sample ID: MB 240-260075/6
Matrix: Water
Analysis Batch: 260075

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/19/16 14:38	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/19/16 14:38	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/19/16 14:38	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/19/16 14:38	1
Chloroform	ND		1.0	0.31	ug/L			12/19/16 14:38	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/19/16 14:38	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/19/16 14:38	1

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

Lab Sample ID: MB 240-260075/6
Matrix: Water
Analysis Batch: 260075

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.30	ug/L			12/19/16 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/19/16 14:38	1
Trichloroethene	ND		1.0	0.33	ug/L			12/19/16 14:38	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/19/16 14:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/19/16 14:38*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/19/16 14:38*	*1*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/19/16 14:38*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/19/16 14:38*	*1*

Lab Sample ID: LCS 240-260075/4
Matrix: Water
Analysis Batch: 260075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	10.7		ug/L		107	79 - 133
1,1-Dichloroethane	10.0	9.96		ug/L		100	77 - 121
1,1-Dichloroethene	10.0	10.9		ug/L		109	70 - 141
Carbon tetrachloride	10.0	11.1		ug/L		111	69 - 149
Chloroform	10.0	10.1		ug/L		101	80 - 120
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	80 - 120
Methylene Chloride	10.0	11.4		ug/L		114	68 - 136
Tetrachloroethene	10.0	10.1		ug/L		101	80 - 123
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	80 - 123
Trichloroethene	10.0	10.3		ug/L		103	80 - 122
Vinyl chloride	10.0	9.38		ug/L		94	60 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 132*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*88*		*80 - 120*
Toluene-d8 (Surr)	*90*		*73 - 124*

QC Association Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

GC/MS VOA

Analysis Batch: 259625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-73270-1	B-28M	Total/NA	Water	8260C	
240-73270-2	B-53M	Total/NA	Water	8260C	
240-73270-3	B-52M	Total/NA	Water	8260C	
MB 240-259625/6	Method Blank	Total/NA	Water	8260C	
LCS 240-259625/4	Lab Control Sample	Total/NA	Water	8260C	
240-73270-1 MS	B-28M	Total/NA	Water	8260C	
240-73270-1 MSD	B-28M	Total/NA	Water	8260C	

Analysis Batch: 259783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-73270-4	B-50M	Total/NA	Water	8260C	
240-73270-5	B-6M	Total/NA	Water	8260C	
240-73270-6	DUP-200	Total/NA	Water	8260C	
240-73270-8	B-18M	Total/NA	Water	8260C	
240-73270-9	B-41M	Total/NA	Water	8260C	
240-73270-10	PW-3	Total/NA	Water	8260C	
240-73270-11	P-4	Total/NA	Water	8260C	
240-73270-12	P-2	Total/NA	Water	8260C	
240-73270-13	B-40M	Total/NA	Water	8260C	
240-73270-14	B-39M	Total/NA	Water	8260C	
240-73270-15	B-10M	Total/NA	Water	8260C	
240-73270-16	B-49M	Total/NA	Water	8260C	
240-73270-17	B-48M	Total/NA	Water	8260C	
240-73270-18	B-13M	Total/NA	Water	8260C	
MB 240-259783/6	Method Blank	Total/NA	Water	8260C	
LCS 240-259783/4	Lab Control Sample	Total/NA	Water	8260C	
240-73270-5 MS	B-6M	Total/NA	Water	8260C	
240-73270-5 MSD	B-6M	Total/NA	Water	8260C	

Analysis Batch: 260075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-73270-7	B-8M	Total/NA	Water	8260C	
240-73270-19	B-17M	Total/NA	Water	8260C	
240-73270-20	B-44M	Total/NA	Water	8260C	
240-73270-21	P-3	Total/NA	Water	8260C	
240-73270-22	PW-4	Total/NA	Water	8260C	
240-73270-23	PW-1	Total/NA	Water	8260C	
240-73270-24	B-9M	Total/NA	Water	8260C	
240-73270-25	B-42M	Total/NA	Water	8260C	
240-73270-26	TRIP BLANK-2	Total/NA	Water	8260C	
MB 240-260075/6	Method Blank	Total/NA	Water	8260C	
LCS 240-260075/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-28M
Lab Sample ID: 240-73270-1
Date Collected: 12/07/16 11:40
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259625	12/15/16 21:53	LRW	TAL CAN

Client Sample ID: B-53M
Lab Sample ID: 240-73270-2
Date Collected: 12/07/16 14:00
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259625	12/15/16 21:08	LRW	TAL CAN

Client Sample ID: B-52M
Lab Sample ID: 240-73270-3
Date Collected: 12/07/16 14:35
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259625	12/15/16 21:31	LRW	TAL CAN

Client Sample ID: B-50M
Lab Sample ID: 240-73270-4
Date Collected: 12/07/16 16:20
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		3.33	259783	12/16/16 15:00	LRW	TAL CAN

Client Sample ID: B-6M
Lab Sample ID: 240-73270-5
Date Collected: 12/07/16 15:55
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	259783	12/16/16 20:14	LRW	TAL CAN

Client Sample ID: DUP-200
Lab Sample ID: 240-73270-6
Date Collected: 12/07/16 08:00
Matrix: Water
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259783	12/16/16 15:23	LRW	TAL CAN

Client Sample ID: B-8M — Lab Sample ID: 240-73270-7

Date Collected: 12/08/16 11:15 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1666.67	260075	12/19/16 16:31	LRW	TAL CAN

Client Sample ID: B-18M — Lab Sample ID: 240-73270-8

Date Collected: 12/08/16 11:30 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259783	12/16/16 16:08	LRW	TAL CAN

Client Sample ID: B-41M — Lab Sample ID: 240-73270-9

Date Collected: 12/08/16 14:00 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259783	12/16/16 16:30	LRW	TAL CAN

Client Sample ID: PW-3 — Lab Sample ID: 240-73270-10

Date Collected: 12/08/16 14:20 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		33.33	259783	12/16/16 16:53	LRW	TAL CAN

Client Sample ID: P-4 — Lab Sample ID: 240-73270-11

Date Collected: 12/08/16 14:40 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		14.28	259783	12/16/16 17:15	LRW	TAL CAN

Client Sample ID: P-2 — Lab Sample ID: 240-73270-12

Date Collected: 12/08/16 15:00 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	259783	12/16/16 17:37	LRW	TAL CAN

Client Sample ID: B-40M — Lab Sample ID: 240-73270-13

Date Collected: 12/08/16 15:25 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259783	12/16/16 18:00	LRW	TAL CAN

Client Sample ID: B-39M — Lab Sample ID: 240-73270-14

Date Collected: 12/08/16 16:10 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.43	259783	12/16/16 18:22	LRW	TAL CAN

Client Sample ID: B-10M — Lab Sample ID: 240-73270-15

Date Collected: 12/08/16 16:25 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.43	259783	12/16/16 18:45	LRW	TAL CAN

Client Sample ID: B-49M — Lab Sample ID: 240-73270-16

Date Collected: 12/09/16 10:05 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	259783	12/16/16 19:07	LRW	TAL CAN

Client Sample ID: B-48M — Lab Sample ID: 240-73270-17

Date Collected: 12/09/16 11:15 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	259783	12/16/16 19:30	LRW	TAL CAN

Client Sample ID: B-13M — Lab Sample ID: 240-73270-18

Date Collected: 12/09/16 12:40 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		33.33	259783	12/16/16 19:52	LRW	TAL CAN

Client Sample ID: B-17M — Lab Sample ID: 240-73270-19

Date Collected: 12/09/16 13:00 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	260075	12/19/16 16:53	LRW	TAL CAN

Client Sample ID: B-44M — Lab Sample ID: 240-73270-20

Date Collected: 12/09/16 14:20 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	260075	12/19/16 17:16	LRW	TAL CAN

Client Sample ID: P-3 — Lab Sample ID: 240-73270-21

Date Collected: 12/09/16 10:40 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.43	260075	12/19/16 17:38	LRW	TAL CAN

Client Sample ID: PW-4 — Lab Sample ID: 240-73270-22

Date Collected: 12/09/16 16:00 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		18.18	260075	12/19/16 18:01	LRW	TAL CAN

Client Sample ID: PW-1 — Lab Sample ID: 240-73270-23

Date Collected: 12/09/16 13:05 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	260075	12/19/16 18:23	LRW	TAL CAN

Client Sample ID: B-9M — Lab Sample ID: 240-73270-24

Date Collected: 12/09/16 13:15 — **Matrix: Water**
Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260075	12/19/16 18:45	LRW	TAL CAN

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Client Sample ID: B-42M

Lab Sample ID: 240-73270-25

Date Collected: 12/09/16 15:40

Matrix: Water

Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260075	12/19/16 19:07	LRW	TAL CAN

Client Sample ID: TRIP BLANK-2

Lab Sample ID: 240-73270-26

Date Collected: 12/07/16 00:00

Matrix: Water

Date Received: 12/13/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260075	12/19/16 19:29	LRW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73270-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10975	03-31-17

1.8|C1.8

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Laboratory Management Program LaMP Chain of Custody Record

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BP/ARC Project Name: BP Sanborn
Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X
BP/ARC Facility No: _____
Lab Work Order Number: _____

Lab Name: Test America-Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuffel st NW Canton, OH	City, State, ZIP Code: Sanborn NY 14120	Consultant/Contractor Project No:
Lab PM: 330-497-9396	Lead Regulatory Agency: NYSDEC	Address: 257 West Genesee St Ste 400 Buffalo NY 14202
Lab Phone:	California Global ID No.: NYSDEC	Consultant/Contractor PM:
Lab Shipping Accnt:	Enfos Proposal No:	Phone:
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To:
Other Info:	Stage: 60 Activity: 51	Invoice To: BP/ARC ___ Contractor ___

BP/ARC EBM:
EBM Phone:
EBM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260C Short 14	Comments
	B-28m	12-7-16	1140		X						X		X	*MS/MSD*
	B-53m	12-7-16	1400		X						X		X	
	B-52m	12-7-16	1435		X						X		X	
	B-50m	12-7-16	1620		X						X		X	
	B-6m	12-7-16	1555		X						X		X	MS/MSD
	Dup-200	12-7-16	0800		X						X		X	
	B-8m	12-8-16	1115		X						X		X	
	B-18m	12-8-16	1130		X						X		X	
	B-41m	12-8-16	1400		X						X		X	
	PW-3	12-8-16	1420		X						X		X	

240-73270 Chain of Custody

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	[signature] AECOM	12-9-16	17:20	[signature]	12/9/16	1720
Shipment Method: Ship Date:	[signature]	12/12/16	1500	[signature]	12-13-16	9:30
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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14 13 12 11 10 9 8 7 6 5 4 3 2 1

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BP/ARC Project Name: BP Sunbora
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No X

BP/ARC Facility No:
Lab Work Order Number:

Lab Name: Test America-Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuffel St NW Canton, OH	City, State, ZIP Code: Sunbora NY 14120	Consultant/Contractor Project No:
Lab PM: Patrick O'meara	Lead Regulatory Agency: NYSDEC	Address: 257 West Genesee St Ste 400 Buffalo, NY 14202
Lab Phone: 330-497-9396	California Global ID No.:	Consultant/Contractor PM: James Kaczor
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 716 423 1300
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: James.Kaczor@AECOM.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ___ Contractor X

BP/ARC EBM:
EBM Phone:
EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260c	Report Type & QC Level
	~~P-4~~ P-4	12-8-16	1440		X						X		X	Standard ___ Full Data Package ___
	P-2	12-8-16	1500		X						X		X	
	B-40m	12-8-16	1525		X						X		X	
	B-39m	12-8-16	1610		X						X		X	
	B-10m	12-8-16	1625		X						X		X	
	B-49m	12-9-16	1085		X						X		X	
	B-48m	12-9-16	1115		X						X		X	
	B-13m	12-9-16	~~1240~~ 240		X						X		X	
	B-17m	12-9-16	1300		X						X		X	
	B-44m	12-9-16	1420		X						X		X	

Comments
Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	12-9-16	17:20		12/9/16	1720
Shipment Method: Ship Date:		12-12-16	1500		12-13-16	9:30
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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BP/ARC Project Name: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP/ARC Facility No: | Lab Work Order Number:

Lab Name: Test America - Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuffle St NW Canton OH	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Patrick O'Meara	Lead Regulatory Agency:	Address: 257 West Genesee St Ste 400 Buffalo NY 14202
Lab Phone: 330-497-9396	California Global ID No.:	Consultant/Contractor PM: James Kaczor
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 716-923-1300
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: James.Kaczor@AECOM.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ___ Contractor X

BP/ARC EBM:

EBM Phone:

EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analyses: 8260C											Report Type & QC Level / Comments
	~~P-3~~ P-3	12-8-16	1040		X							X			X											
	~~MW-4~~ PW-4	12-9-16	1600		X							X			X											
	PW-1	12-9-16	1305		X							X			X											
	B-9m	12-9-16	1315		X							X			X											
	B-42m	12-8-16	1540		X							X			X											
	Trip Blank-2	12-7-16	—		X							X			X											
	~~B-44~~ MW	~~12-7-16~~	~~1120~~		X							X			X											

Standard ___

Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	12-9-16	17:20		12-9-16	1720
Shipment Method: Ship Date:		12-12-16	1500	POP	12-13-16	9:30
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory Copy

BP/ARC LaMP COC Rev. 6 01/01/2009

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12/28/2016

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 43770**

Canton Facility

Client ATLANTIC RICHFIELD Co. Site Name -

Cooler unpacked by: GOP

Cooler Received on 12-13-16 Opened on 12-13-16

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

☐ See Multiple Cooler Form

1. Cooler temperature upon receipt
   IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. 1.8 °C Corrected Cooler Temp. 1.8 °C
   IR GUN #36 (CF +1.1°C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 — Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? — Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? — Yes No
3. Shippers' packing slip attached to the cooler(s)? — Yes No
4. Did custody papers accompany the sample(s)? — Yes No
5. Were the custody papers relinquished & signed in the appropriate place? — Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? — Yes No
7. Did all bottles arrive in good condition (Unbroken)? — Yes No
8. Could all bottle labels be reconciled with the COC? — Yes No
9. Were correct bottle(s) used for the test(s) indicated? — Yes No
10. Sufficient quantity received to perform indicated analyses? — Yes No
11. Are these work share samples? — Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? — Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? — Yes No
13. Were air bubbles >6 mm in any VOA vials? — Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 370 — Yes No
15. Was a LL Hg or Me Hg trip blank present? — Yes No

Contacted PM ____ Date ____ by ____ via Verbal Voice Mail Other

Concerning ____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.

Sample(s) ____ were received in a broken container.

Sample(s) ____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in the laboratory.

Time preserved: ____ Preservative(s) added/Lot number(s): ____

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-73361-1
Client Project/Site: BP Sanborn

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: George Kisluk

Patrick O'Meara

Authorized for release by:
12/31/2016 5:02:58 PM
Patrick O'Meara, Manager of Project Management
(330)966-5725
patrick.omeara@testamericainc.com

Designee for

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-73361-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP Sanborn

Report Number: 240-73361-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 12/14/2016 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Samples B-7M (240-73361-1), B-43M (240-73361-2), B-11M (240-73361-3), B-14M (240-73361-4), B-16M (240-73361-5), B-3M (240-73361-6), EQUIPMENT BLANK-1 (240-73361-7) and TRIP BLANK-3 (240-73361-8) were analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The samples were analyzed on 12/20/2016.

Samples B-11M (240-73361-3)[2.5X], B-14M (240-73361-4)[5X] and B-3M (240-73361-6)[1.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Methylene Chloride was detected in method blank MB 240-260262/6 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-73361-1	B-7M	Water	12/12/16 10:25	12/14/16 09:55
240-73361-2	B-43M	Water	12/12/16 10:50	12/14/16 09:55
240-73361-3	B-11M	Water	12/12/16 12:40	12/14/16 09:55
240-73361-4	B-14M	Water	12/12/16 12:45	12/14/16 09:55
240-73361-5	B-16M	Water	12/12/16 14:00	12/14/16 09:55
240-73361-6	B-3M	Water	12/12/16 11:00	12/14/16 09:55
240-73361-7	EQUIPMENT BLANK-1	Water	12/12/16 15:00	12/14/16 09:55
240-73361-8	TRIP BLANK-3	Water	12/12/16 00:00	12/14/16 09:55

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-7M — Lab Sample ID: 240-73361-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.4		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	5.2		1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: B-43M — Lab Sample ID: 240-73361-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.3		1.0	0.30	ug/L	1		8260C	Total/NA
Trichloroethene	0.68	J	1.0	0.33	ug/L	1		8260C	Total/NA
Vinyl chloride	3.8		1.0	0.45	ug/L	1		8260C	Total/NA

Client Sample ID: B-11M — Lab Sample ID: 240-73361-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.98	J	2.5	0.78	ug/L	2.5		8260C	Total/NA
cis-1,2-Dichloroethene	3.3		2.5	0.75	ug/L	2.5		8260C	Total/NA
Methylene Chloride	3.6	B	2.5	1.3	ug/L	2.5		8260C	Total/NA
Tetrachloroethene	1.5	J	2.5	0.75	ug/L	2.5		8260C	Total/NA
Trichloroethene	62		2.5	0.83	ug/L	2.5		8260C	Total/NA

Client Sample ID: B-14M — Lab Sample ID: 240-73361-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.4		5.0	1.5	ug/L	5		8260C	Total/NA
Methylene Chloride	8.0	~~B~~	5.0	2.7	ug/L	5		8260C	Total/NA
Trichloroethene	110		5.0	1.7	ug/L	5		8260C	Total/NA

Client Sample ID: B-16M — Lab Sample ID: 240-73361-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.5		1.0	0.30	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.33	J	1.0	0.29	ug/L	1		8260C	Total/NA
Trichloroethene	0.69	J	1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: B-3M — Lab Sample ID: 240-73361-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.72	J	1.7	0.42	ug/L	1.67		8260C	Total/NA
cis-1,2-Dichloroethene	44		1.7	0.50	ug/L	1.67		8260C	Total/NA
Methylene Chloride	2.0	~~B~~	1.7	0.89	ug/L	1.67		8260C	Total/NA
trans-1,2-Dichloroethene	0.65	J	1.7	0.48	ug/L	1.67		8260C	Total/NA
Trichloroethene	7.1		1.7	0.55	ug/L	1.67		8260C	Total/NA
Vinyl chloride	36		1.7	0.75	ug/L	1.67		8260C	Total/NA

Client Sample ID: EQUIPMENT BLANK-1 — Lab Sample ID: 240-73361-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.68	J ~~B~~	1.0	0.53	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK-3 — Lab Sample ID: 240-73361-8

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-7M
Date Collected: 12/12/16 10:25
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 16:06	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 16:06	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 16:06	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 16:06	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 16:06	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.30	ug/L			12/20/16 16:06	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/20/16 16:06	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 16:06	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/20/16 16:06	1
Trichloroethene	**5.2**		1.0	0.33	ug/L			12/20/16 16:06	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/20/16 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/20/16 16:06*	*1*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/20/16 16:06*	*1*
Dibromofluoromethane (Surr)	*85*		*80 - 120*		*12/20/16 16:06*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/20/16 16:06*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-43M
Date Collected: 12/12/16 10:50
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 16:29	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 16:29	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 16:29	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 16:29	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 16:29	1
cis-1,2-Dichloroethene	**7.3**		1.0	0.30	ug/L			12/20/16 16:29	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/20/16 16:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 16:29	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/20/16 16:29	1
Trichloroethene	**0.68**	**J**	1.0	0.33	ug/L			12/20/16 16:29	1
Vinyl chloride	**3.8**		1.0	0.45	ug/L			12/20/16 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 132*		*12/20/16 16:29*	*1*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*12/20/16 16:29*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/20/16 16:29*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/20/16 16:29*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-11M
Date Collected: 12/12/16 12:40
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.58	ug/L			12/20/16 16:52	2.5
1,1-Dichloroethane	ND		2.5	0.63	ug/L			12/20/16 16:52	2.5
1,1-Dichloroethene	ND		2.5	0.68	ug/L			12/20/16 16:52	2.5
Carbon tetrachloride	ND		2.5	0.88	ug/L			12/20/16 16:52	2.5
Chloroform	**0.98**	**J**	2.5	0.78	ug/L			12/20/16 16:52	2.5
cis-1,2-Dichloroethene	**3.3**		2.5	0.75	ug/L			12/20/16 16:52	2.5
Methylene Chloride	**3.6**	**B**	2.5	1.3	ug/L			12/20/16 16:52	2.5
Tetrachloroethene	**1.5**	**J**	2.5	0.75	ug/L			12/20/16 16:52	2.5
trans-1,2-Dichloroethene	ND		2.5	0.73	ug/L			12/20/16 16:52	2.5
Trichloroethene	**62**		2.5	0.83	ug/L			12/20/16 16:52	2.5
Vinyl chloride	ND		2.5	1.1	ug/L			12/20/16 16:52	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/20/16 16:52*	*2.5*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*12/20/16 16:52*	*2.5*
Dibromofluoromethane (Surr)	*87*		*80 - 120*		*12/20/16 16:52*	*2.5*
Toluene-d8 (Surr)	*89*		*73 - 124*		*12/20/16 16:52*	*2.5*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-14M
Date Collected: 12/12/16 12:45
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	1.2	ug/L			12/20/16 17:14	5
1,1-Dichloroethane	ND		5.0	1.3	ug/L			12/20/16 17:14	5
1,1-Dichloroethene	ND		5.0	1.4	ug/L			12/20/16 17:14	5
Carbon tetrachloride	ND		5.0	1.8	ug/L			12/20/16 17:14	5
Chloroform	ND		5.0	1.6	ug/L			12/20/16 17:14	5
cis-1,2-Dichloroethene	**5.4**		5.0	1.5	ug/L			12/20/16 17:14	5
Methylene Chloride	**8.0**	**B**	5.0	2.7	ug/L			12/20/16 17:14	5
Tetrachloroethene	ND		5.0	1.5	ug/L			12/20/16 17:14	5
trans-1,2-Dichloroethene	ND		5.0	1.5	ug/L			12/20/16 17:14	5
Trichloroethene	**110**		5.0	1.7	ug/L			12/20/16 17:14	5
Vinyl chloride	ND		5.0	2.3	ug/L			12/20/16 17:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*63 - 132*		*12/20/16 17:14*	*5*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*12/20/16 17:14*	*5*
Dibromofluoromethane (Surr)	*86*		*80 - 120*		*12/20/16 17:14*	*5*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/20/16 17:14*	*5*

Client Sample ID: B-16M
Date Collected: 12/12/16 14:00
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 17:36	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 17:36	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 17:36	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 17:36	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 17:36	1
cis-1,2-Dichloroethene	**2.5**		1.0	0.30	ug/L			12/20/16 17:36	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/20/16 17:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 17:36	1
trans-1,2-Dichloroethene	**0.33**	**J**	1.0	0.29	ug/L			12/20/16 17:36	1
Trichloroethene	**0.69**	**J**	1.0	0.33	ug/L			12/20/16 17:36	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/20/16 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*63 - 132*		*12/20/16 17:36*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*12/20/16 17:36*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/20/16 17:36*	*1*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/20/16 17:36*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-3M
Date Collected: 12/12/16 11:00
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.7	0.38	ug/L			12/20/16 17:59	1.67
1,1-Dichloroethane	**0.72**	**J**	1.7	0.42	ug/L			12/20/16 17:59	1.67
1,1-Dichloroethene	ND		1.7	0.45	ug/L			12/20/16 17:59	1.67
Carbon tetrachloride	ND		1.7	0.58	ug/L			12/20/16 17:59	1.67
Chloroform	ND		1.7	0.52	ug/L			12/20/16 17:59	1.67
cis-1,2-Dichloroethene	**44**		1.7	0.50	ug/L			12/20/16 17:59	1.67
Methylene Chloride	**2.0**	**B**	1.7	0.89	ug/L			12/20/16 17:59	1.67
Tetrachloroethene	ND		1.7	0.50	ug/L			12/20/16 17:59	1.67
trans-1,2-Dichloroethene	**0.65**	**J**	1.7	0.48	ug/L			12/20/16 17:59	1.67
Trichloroethene	**7.1**		1.7	0.55	ug/L			12/20/16 17:59	1.67
Vinyl chloride	**36**		1.7	0.75	ug/L			12/20/16 17:59	1.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 132*		*12/20/16 17:59*	*1.67*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*12/20/16 17:59*	*1.67*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*12/20/16 17:59*	*1.67*
Toluene-d8 (Surr)	*88*		*73 - 124*		*12/20/16 17:59*	*1.67*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: EQUIPMENT BLANK-1
Date Collected: 12/12/16 15:00
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 18:20	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 18:20	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 18:20	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 18:20	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 18:20	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/20/16 18:20	1
Methylene Chloride	**0.68**	**J B**	1.0	0.53	ug/L			12/20/16 18:20	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 18:20	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/20/16 18:20	1
Trichloroethene	ND		1.0	0.33	ug/L			12/20/16 18:20	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/20/16 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 132*		*12/20/16 18:20*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*12/20/16 18:20*	*1*
Dibromofluoromethane (Surr)	*89*		*80 - 120*		*12/20/16 18:20*	*1*
Toluene-d8 (Surr)	*86*		*73 - 124*		*12/20/16 18:20*	*1*

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: TRIP BLANK-3
Date Collected: 12/12/16 00:00
Date Received: 12/14/16 09:55

Lab Sample ID: 240-73361-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 18:43	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 18:43	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 18:43	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 18:43	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 18:43	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/20/16 18:43	1
Methylene Chloride	ND		1.0	0.53	ug/L			12/20/16 18:43	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 18:43	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/20/16 18:43	1
Trichloroethene	ND		1.0	0.33	ug/L			12/20/16 18:43	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/20/16 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 132*		*12/20/16 18:43*	*1*
4-Bromofluorobenzene (Surr)	*79*		*73 - 120*		*12/20/16 18:43*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*12/20/16 18:43*	*1*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/20/16 18:43*	*1*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-132)	(73-120)	(80-120)	(73-124)
240-73361-1	B-7M	90	81	85	88
240-73361-2	B-43M	91	79	90	88
240-73361-3	B-11M	90	79	87	89
240-73361-4	B-14M	93	79	86	88
240-73361-5	B-16M	90	80	89	88
240-73361-6	B-3M	89	81	88	88
240-73361-7	EQUIPMENT BLANK-1	94	82	89	86
240-73361-8	TRIP BLANK-3	92	79	90	87
LCS 240-260262/4	Lab Control Sample	84	86	86	90
MB 240-260262/6	Method Blank	87	80	84	87

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 240-260262/6
Matrix: Water
Analysis Batch: 260262

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			12/20/16 14:18	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			12/20/16 14:18	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			12/20/16 14:18	1
Carbon tetrachloride	ND		1.0	0.35	ug/L			12/20/16 14:18	1
Chloroform	ND		1.0	0.31	ug/L			12/20/16 14:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			12/20/16 14:18	1
Methylene Chloride	0.570	J	1.0	0.53	ug/L			12/20/16 14:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			12/20/16 14:18	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			12/20/16 14:18	1
Trichloroethene	ND		1.0	0.33	ug/L			12/20/16 14:18	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/20/16 14:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 132*		*12/20/16 14:18*	*1*
4-Bromofluorobenzene (Surr)	*80*		*73 - 120*		*12/20/16 14:18*	*1*
Dibromofluoromethane (Surr)	*84*		*80 - 120*		*12/20/16 14:18*	*1*
Toluene-d8 (Surr)	*87*		*73 - 124*		*12/20/16 14:18*	*1*

Lab Sample ID: LCS 240-260262/4
Matrix: Water
Analysis Batch: 260262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			10.0	10.2		ug/L		102	79 - 133		
1,1-Dichloroethane			10.0	9.42		ug/L		94	77 - 121		
1,1-Dichloroethene			10.0	10.2		ug/L		102	70 - 141		
Carbon tetrachloride			10.0	10.4		ug/L		104	69 - 149		
Chloroform			10.0	9.59		ug/L		96	80 - 120		
cis-1,2-Dichloroethene			10.0	9.39		ug/L		94	80 - 120		
Methylene Chloride			10.0	10.8		ug/L		108	68 - 136		
Tetrachloroethene			10.0	9.72		ug/L		97	80 - 123		
trans-1,2-Dichloroethene			10.0	10.2		ug/L		102	80 - 123		
Trichloroethene			10.0	9.80		ug/L		98	80 - 122		
Vinyl chloride			10.0	8.71		ug/L		87	60 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 132*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*
Dibromofluoromethane (Surr)	*86*		*80 - 120*
Toluene-d8 (Surr)	*90*		*73 - 124*

QC Association Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

GC/MS VOA

Analysis Batch: 260262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-73361-1	B-7M	Total/NA	Water	8260C	
240-73361-2	B-43M	Total/NA	Water	8260C	
240-73361-3	B-11M	Total/NA	Water	8260C	
240-73361-4	B-14M	Total/NA	Water	8260C	
240-73361-5	B-16M	Total/NA	Water	8260C	
240-73361-6	B-3M	Total/NA	Water	8260C	
240-73361-7	EQUIPMENT BLANK-1	Total/NA	Water	8260C	
240-73361-8	TRIP BLANK-3	Total/NA	Water	8260C	
MB 240-260262/6	Method Blank	Total/NA	Water	8260C	
LCS 240-260262/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: B-7M
Lab Sample ID: 240-73361-1
Date Collected: 12/12/16 10:25
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260262	12/20/16 16:06	LRW	TAL CAN

Client Sample ID: B-43M
Lab Sample ID: 240-73361-2
Date Collected: 12/12/16 10:50
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260262	12/20/16 16:29	LRW	TAL CAN

Client Sample ID: B-11M
Lab Sample ID: 240-73361-3
Date Collected: 12/12/16 12:40
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2.5	260262	12/20/16 16:52	LRW	TAL CAN

Client Sample ID: B-14M
Lab Sample ID: 240-73361-4
Date Collected: 12/12/16 12:45
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	260262	12/20/16 17:14	LRW	TAL CAN

Client Sample ID: B-16M
Lab Sample ID: 240-73361-5
Date Collected: 12/12/16 14:00
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260262	12/20/16 17:36	LRW	TAL CAN

Client Sample ID: B-3M
Lab Sample ID: 240-73361-6
Date Collected: 12/12/16 11:00
Matrix: Water
Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1.67	260262	12/20/16 17:59	LRW	TAL CAN

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Client Sample ID: EQUIPMENT BLANK-1

Lab Sample ID: 240-73361-7

Date Collected: 12/12/16 15:00

Matrix: Water

Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260262	12/20/16 18:20	LRW	TAL CAN

Client Sample ID: TRIP BLANK-3

Lab Sample ID: 240-73361-8

Date Collected: 12/12/16 00:00

Matrix: Water

Date Received: 12/14/16 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	260262	12/20/16 18:43	LRW	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-73361-1

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10975	03-31-17

0.4 | C0.4

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP **Chain of Custody Record** 186922

Page _____ of _____

BP/ARC Project Name: _____ **Req Due Date (mm/dd/yy):** _____ **Rush TAT:** Yes ___ No ___

BP/ARC Facility No: _____ **Lab Work Order Number:** _____

Lab Name: Test America - Canton	BP/ARC Facility Address: 2040 Cory Dr	Consultant/Contractor: AECOM
Lab Address: 4101 Shuttel St NW Canton OH	City, State, ZIP Code: Sunburn NY 14126	Consultant/Contractor Project No:
Lab PM: Patrick O'Meara	Lead Regulatory Agency: NYS DEC	Address: 257 W. Genesee St Suite 400 Buffalo NY 14202
Lab Phone: 330-497-9396	California Global ID No.:	Consultant/Contractor PM: James Kaczor
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 716-923-1300
Lab Bottle Order No:	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: James.Kaczor@AECOM.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ___ Contractor X

BP/ARC EBM:

EBM Phone:

EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260C						Report Type & QC Level
	B-7m	12-12-16	10:25		X							X		X						Standard ___
	B-43m	12-12-16	10:50		X							X		X						Full Data Package ___
	B-11m	12-12-16	12:40		X							X		X						
	B-14m	12-12-16	12:45		X							X		X						**Comments**
	B-16m	12-12-16	14:00		X							X		X						Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
	B-3m	12-12-16	11:00		X							X		X						
	Equipment blank-1	12-12-16	15:00		X							X		X						
	Trip Blank-3	12-12-16	—		X							X		X						

240-73361 Chain of Custody

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	12-12-16	~~17:55~~ 16:35	TA-Buffalo	12/14/16	1655
Shipment Method: Ship Date:		12/13/16	1700		12-14-16	955
Shipment Tracking No:						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Laboratory Copy

BP/ARC LaMP COC Rev. 6 01/01/2009

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 320161**
Canton Facility

Client ATLANTIC RICHFIELD Site Name —

Cooler unpacked by: POP

Cooler Received on 12-14-16 Opened on 12-14-16

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. 0.4 °C Corrected Cooler Temp. 0.4 °C
   IR GUN #36 (CF +1.1°C) Observed Cooler Temp. °C Corrected Cooler Temp. °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC682547**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 320 Yes No
15. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container.
Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.
Time preserved: Preservative(s) added/Lot number(s):

Ref: SOP NC-SC-0005, Sample Receiving
\\tacorp\corp\QA\QA_Facilities\Canton-QA\Document-Management\Work-Instruction\In Revision\WI-NC-099Y-060816 Cooler Receipt Form.doc djl

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



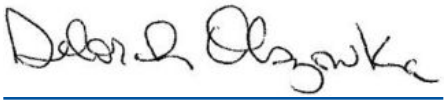
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-74284-2
Client Project/Site: BP Sanborn

For:
AECOM, Inc.
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: George Kisluk



Authorized for release by:
1/24/2017 9:55:03 AM
Debbie Olszowka, Project Manager II
(513)733-5700
debbie.olszowka@testamericainc.com

Designee for

Amy McCormick, Project Manager II
(330)966-9787
amy.mccormick@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-74284-2

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: AECOM, Inc.

Project: BP Sanborn

Report Number: 240-74284-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 1/12/2017 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

VOLATILE ORGANIC COMPOUNDS (GCMS)

Sample T-002 LAB COMP (240-74284-2) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260C. The sample was analyzed on 01/19/2017.

Methylene Chloride was detected in method blank MB 240-263474/8 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Sample T-002 LAB COMP (240-74284-2)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8260C: The continuing calibration verification (CCV) for analytical batch 263474 exceeded control criteria for multiple compounds. The samples associated with this CCV were non-detects for the affected analytes. In accordance with the laboratory SOP, a low level CCV at the reporting limit (labeled as an MRL) was analyzed and the affected compounds were detected; therefore the data has been reported. No further corrective action was required: (240-74396-B-6).

Job ID: 240-74284-2 (Continued)

Laboratory: TestAmerica Canton (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN

Protocol References:

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-74284-2	T-002 LAB COMP	Water	01/10/17 14:00	01/12/17 10:30

Detection Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Client Sample ID: T-002 LAB COMP — Lab Sample ID: 240-74284-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	93		4.0	1.2	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	3.0	J	4.0	1.0	ug/L	4		8260C	Total/NA
Methylene Chloride	5.6	B	4.0	2.1	ug/L	4		8260C	Total/NA
Trichloroethene	50		4.0	1.3	ug/L	4		8260C	Total/NA
Vinyl chloride	2.2	J	4.0	1.8	ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Client Sample ID: T-002 LAB COMP
Date Collected: 01/10/17 14:00
Date Received: 01/12/17 10:30

Lab Sample ID: 240-74284-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		4.0	1.4	ug/L			01/19/17 13:03	4
Chloroform	ND		4.0	1.2	ug/L			01/19/17 13:03	4
cis-1,2-Dichloroethene	**93**		4.0	1.2	ug/L			01/19/17 13:03	4
1,1-Dichloroethane	**3.0**	**J**	4.0	1.0	ug/L			01/19/17 13:03	4
1,1-Dichloroethene	ND		4.0	1.1	ug/L			01/19/17 13:03	4
Methylene Chloride	**5.6**	**B**	4.0	2.1	ug/L			01/19/17 13:03	4
Tetrachloroethene	ND		4.0	1.2	ug/L			01/19/17 13:03	4
trans-1,2-Dichloroethene	ND		4.0	1.2	ug/L			01/19/17 13:03	4
1,1,1-Trichloroethane	ND		4.0	0.92	ug/L			01/19/17 13:03	4
Trichloroethene	**50**		4.0	1.3	ug/L			01/19/17 13:03	4
Vinyl chloride	**2.2**	**J**	4.0	1.8	ug/L			01/19/17 13:03	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*63 - 132*		*01/19/17 13:03*	*4*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*01/19/17 13:03*	*4*
Dibromofluoromethane (Surr)	*88*		*80 - 120*		*01/19/17 13:03*	*4*
Toluene-d8 (Surr)	*77*		*73 - 124*		*01/19/17 13:03*	*4*

Surrogate Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-132)	(73-120)	(80-120)	(73-124)
240-74284-2	T-002 LAB COMP	80	94	88	77
LCS 240-263474/4	Lab Control Sample	83	105	87	80
MB 240-263474/8	Method Blank	84	97	90	78

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 240-263474/8
Matrix: Water
Analysis Batch: 263474

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.35	ug/L			01/19/17 11:55	1
Chloroform	ND		1.0	0.31	ug/L			01/19/17 11:55	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			01/19/17 11:55	1
1,1-Dichloroethane	ND		1.0	0.25	ug/L			01/19/17 11:55	1
1,1-Dichloroethene	ND		1.0	0.27	ug/L			01/19/17 11:55	1
Methylene Chloride	1.24		1.0	0.53	ug/L			01/19/17 11:55	1
Tetrachloroethene	ND		1.0	0.30	ug/L			01/19/17 11:55	1
trans-1,2-Dichloroethene	ND		1.0	0.29	ug/L			01/19/17 11:55	1
1,1,1-Trichloroethane	ND		1.0	0.23	ug/L			01/19/17 11:55	1
Trichloroethene	ND		1.0	0.33	ug/L			01/19/17 11:55	1
Vinyl chloride	ND		1.0	0.45	ug/L			01/19/17 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 132*		*01/19/17 11:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/19/17 11:55*	*1*
Dibromofluoromethane (Surr)	*90*		*80 - 120*		*01/19/17 11:55*	*1*
Toluene-d8 (Surr)	*78*		*73 - 124*		*01/19/17 11:55*	*1*

Lab Sample ID: LCS 240-263474/4
Matrix: Water
Analysis Batch: 263474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	10.0	10.1		ug/L		101	69 - 149
Chloroform	10.0	8.84		ug/L		88	80 - 120
cis-1,2-Dichloroethene	10.0	9.14		ug/L		91	80 - 120
1,1-Dichloroethane	10.0	8.06		ug/L		81	77 - 121
1,1-Dichloroethene	10.0	10.1		ug/L		101	70 - 141
Methylene Chloride	10.0	10.2		ug/L		102	68 - 136
Tetrachloroethene	10.0	11.0		ug/L		110	80 - 123
trans-1,2-Dichloroethene	10.0	9.23		ug/L		92	80 - 123
1,1,1-Trichloroethane	10.0	9.51		ug/L		95	79 - 133
Trichloroethene	10.0	9.95		ug/L		99	80 - 122
Vinyl chloride	10.0	7.68		ug/L		77	60 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*83*		*63 - 132*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*87*		*80 - 120*
Toluene-d8 (Surr)	*80*		*73 - 124*

QC Association Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

GC/MS VOA

Analysis Batch: 263474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-74284-2	T-002 LAB COMP	Total/NA	Water	8260C	
MB 240-263474/8	Method Blank	Total/NA	Water	8260C	
LCS 240-263474/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Client Sample ID: T-002 LAB COMP — **Lab Sample ID: 240-74284-2**
Date Collected: 01/10/17 14:00 — **Matrix: Water**
Date Received: 01/12/17 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	263474	01/19/17 13:03	LEE	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: AECOM, Inc.
Project/Site: BP Sanborn

TestAmerica Job ID: 240-74284-2

Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10975	03-31-17 *

* Certification renewal pending - certification considered valid.

Olszowka, Debbie

From: Kisluk, George <george.kisluk@aecom.com>
Sent: Thursday, January 12, 2017 4:19 PM
To: Olszowka, Debbie
Cc: Kaczor, James
Subject: RE: TestAmerica Sample Login Confirmation files from 240-74284 BP Sanborn

Hi Deb,
I think we need to separate out these 2 samples. Sample 240-74284-2 (T-002 LAB COMP) should be by Method 8260C and needs the full deliverable (Level 4). It also needs Carbon Tetrachloride. That was a location we missed in the other Sanborn Program. Job 240-73361-1 was the last report from that program.
Sample 240-74284-1 (01A LAB COMP) is for the SPDES program.
George

From: Olszowka, Debbie [mailto:debbie.olszowka@testamericainc.com]
Sent: Thursday, January 12, 2017 3:50 PM
To: Kisluk, George
Subject: TestAmerica Sample Login Confirmation files from 240-74284 BP Sanborn

Hello,

Attached, please find the Sample Confirmation files for job 240-74284; BP Sanborn

Please feel free to contact me or your PM, Amy McCormick, if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

DEBBIE OLSZOWKA
Project Manager II

TestAmerica Canton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 513.733.5700
www.testamericainc.com

Reference: [242560]
Attachments: 2

0.8/C0.8

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

BP/ARC Project Name: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP/ARC Facility No: | Lab Work Order Number:

Lab Name:	TestAmerica Canton	BP/ARC Facility Address:	2040 Cory Dr.	Consultant/Contractor:	AECOM
Lab Address:	4101 Shuffel St NW Canton, OH 44720	City, State, ZIP Code:	Sanborn, NY 14120	Consultant/Contractor Project No:	
Lab PM:	Patrick O'Meara	Lead Regulatory Agency:	NYSDEC	Address:	257 West Genesee St., Suite 400 Buffalo, NY 14202
Lab Phone:	330-497-9396	California Global ID No.:		Consultant/Contractor PM:	James Kaczor
Lab Shipping Accnt:		Enfos Proposal No:		Phone:	716-923-1300
Lab Bottle Order No:		Accounting Mode: 10	Provision X OOC-BU ___ OOC-RM ___	Email EDD To:	James.Kaczor@aecom.com
Other Info:		Stag 60	Activity: 81	Invoice To:	BP/ARC ___ Contractor X

BP/ARC EBM:

EBM Phone:

EBM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl			Requested Analyses: 624									Comments
	O1A Lab Comp	1/11/2017	0800-1400		x			8				X			X									No Vinlyl Chloride
	T-002 Lab Comp	1/10/2017	0800-1400		x			8				X			X									

240-74284 Chain of Custody

Page 16 of 17

Sampler's Name:	Ernest Thalhamer	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company:	AECOM	AECOM	1-11-17	15:00	Kristen Krahl TAB	1/11/17	15:00
Shipment Method:	Ship Date:		1-11-17	1600	POD TAL	1-12-17	1030
Shipment Tracking No:							

Special Instructions: **Please Bill Sanborn Samples to AECOM PO#83588**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

1/24/2017

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 74784**
Canton Facility

Client ATLANTIC Site Name –

Cooler Received on 1-12-17 Opened on 1-12-17

Cooler unpacked by: POP

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box Client Cooler Box Other

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-8 (CF +0 °C) Observed Cooler Temp. 0.8 °C Corrected Cooler Temp. 0.8 °C
   IR GUN #36 (CF +1.1°C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity ____ (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the person(s) who collected the samples clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were correct bottle(s) used for the test(s) indicated? (Yes) No
10. Sufficient quantity received to perform indicated analyses? (Yes) No
11. Are these work share samples? Yes (No)
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# **HC682547**
12. Were VOAs on the COC? (Yes) No
13. Were air bubbles >6 mm in any VOA vials? Yes (No) NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #____ Yes (No)
15. Was a LL Hg or Me Hg trip blank present? ____ Yes (No)

Contacted PM ____ Date ____ by ____ via Verbal Voice Mail Other

Concerning ____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) ____ were received after the recommended holding time had expired.
Sample(s) ____ were received in a broken container.
Sample(s) ____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in the laboratory.
Time preserved: ____ Preservative(s) added/Lot number(s): ____

Ref: SOP NC-SC-0005, Sample Receiving
\\tacorp\corp\QA\QA_Facilities\Canton-QA\Document-Management\Work-Instruction\In Revision\WI-NC-099Y-060816 Cooler Receipt Form.doc djl