2005 ANNUAL SUMMARY REPORT
GROUNDWATER REMEDIATION PROGRAM

Former Carborundum Facility
2040 Cory Drive
Village of Sanborn, Town of Wheatfield, Niagara County, New York

Prepared for:

New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation

270 Michigan Avenue

Buffalo, New York 14203

Submitted by:

Atlantic Richfield Company

A BP affiliated company

4850 East 49th Street
MBC 3-147
Cuyahoga Heights, Ohio 44125

Prepared by:

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March 2006

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GROUNDWATER REMEDIATION PROGRAM
AT THE
FORMER CARBORUNDUM FACILITY

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March 2006

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SECTION 1
INTRODUCTION

In compliance with the December 1993 "Addendum to the Remedial Design/Remedial Action Work Plan," this report documents the 2005 activities associated with the groundwater remedial action at the Former Carborundum Facility in Wheatfield, New York (Figure 1 and Figure 2).

In mid-1993, the Atlantic Richfield Company designed, built, and commenced operation of a Soil Remediation/Groundwater Treatment System. The system incorporated a soil vapor extraction system (SVES), as well as treatment of groundwater extracted by the groundwater remediation system (GRS) for discharge to the SPDES outfall. The SVES operated until September 2001. All SVES operations were discontinued in 2002 with approval of the NYSDEC. Portions of the SVES were demolished/dismantled in 2003, 2004, and 2005. The GRS continued operation after the SVES operations were discontinued.

In 2005, the GRS continued to treat extracted groundwater and discharge the treated water to the SPDES outfall. The GRS was operated with goals to provide onsite migration control, and to prevent offsite migration of groundwater containing volatile organic compounds (VOCs).

Provided herein is a discussion of the remedial activities at the site from January 1 through December 31, 2005. These activities include GRS operations, waste handling activities, permit issues, sampling and analysis, further decommissioning of the SVES and health and safety.

In addition to the routine operation and maintenance of the GRS, other non-routine activities were completed in 2005. These activities included:

1. Repairs to pumps and piping in the recovery wells.
2. Repairs to pumping well control boxes.
3. Replacement of recovery well pump controls and motor leads.
4. Maintenance and repair of monitoring well surface seals and protective casings.
5. Repairs to pumps and piping within the treatment building.
6. Repairs to control shed siding.
7. Removal of unused equipment from treatment system.
8. Decommissioning, cleaning, and disposal of SVES components inside the treatment building.
9. Repairs to driveway and parking area.
10. Clearing and grubbing for installation of system improvements.

11. Monitoring of wells with artesian conditions.
12. Participation in a NYSDEC SPDES inspection.

Details of these activities are provided in the following sections of this report.

SECTION 2
GROUNDWATER REMEDIATION SYSTEM

During 2005, operation of the GRS remained focused on onsite groundwater migration control, 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 GRS operation, maintenance, performance in 2005, and planned future activities.

2.1 OPERATIONS AND MAINTENANCE

In 2005, O&M Enterprises, Inc. (OME) completed operation and maintenance (O&M) activities on GRS extraction wells P-2, P-3, P-4, PW-1, and PW-3 and the GRS treatment system. The goals of the O&M program for the GRS were to maintain pumping at a rate necessary to achieve migration control, and to maintain the system within operational and permitted levels. O&M activities included system inspections, routine maintenance, monitoring, sampling, system and equipment repairs, adjustment of pumping controls, and lawn care/snow removal from parking and drives. Table 1 provides the pumping well specifications used during the year. Non-routine O&M activities conducted for the GRS during the annual period included:

- Replaced pump controller in pumping well PW-1.
- Removed SVES equipment from the treatment building.
- Repaired pipe leak between stripper tower B and pump P-806A.
- Sampled drums of waste for disposal profiling.
- Replaced flow meter internal parts due to failure at PW-1.
- Replaced flow meter at PW-1.
- Repaired loose siding at control shed for P-2, P-3, and P-4.
- Installed pressure gauge and a water column gauge on well B-62M to monitor the artesian conditions observed at the well.
- Changed the power lead (24-volt) on well PW-1.
- Resealed the control box at PW-1 to prevent water leakage.
- Adjusted level control for P-2.
- Placed a load of stone and spread to low spots in driveway and parking area.

- Cleared and grubbed area of planned system upgrade.
- Removed pump 803A (not used since 2001) and base to access new air stripper location with a fork lift.
- Installed a sign on the front of the treatment system building providing additional emergency contact phone numbers.
- Performed miscellaneous monitoring well maintenance and upkeep throughout the year such as painting and repairing surface seals occurred throughout the year.

2.2 SYSTEM PERFORMANCE IN 2005

Table 2 summarizes GRS performance and system uptime. The combined average system uptime, based on operational hours versus total hours, was approximately 99%. Individual well uptime ranged from 98% at PW-1 to 99% at P-2, P-3, P-4, and PW-3. The treatment system was shut down for 2 ½ days in February 2005. It was also shut down intermittently during November and December 2005 to accommodate equipment modifications to the treatment system.

As per previous reports and consistent with the current goals for the system, GRS performance in 2005 was gauged by the degree of migration control, capture zone development, degree of groundwater extraction, mass recovery, and treatment to meet SPDES discharge requirements. The performance of the GRS system in 2005, as well as recommendations to improve future performance, are identified below.

2.2.1 Migration Control

The intent of the GRS is to provide onsite migration control and limit further impacts of dissolved VOCs to off-site areas. Migration control efforts were focused on the Top of Rock (TOR) and Zone 1 in 2005. Extraction wells PW-1, PW-3, P-2, P-3, and P-4 were utilized to achieve the objective of onsite migration control. Each of the wells extracts groundwater from the TOR and Zone 1 at locations within or downgradient of source areas (PW-1, PW-3, P-2), and at the downgradient property boundary (P-3, P-4). The high percentage of "up time" for the extraction wells within the source areas (PW-1, PW-3) facilitated migration control with continuous source control throughout the period. The potential impacts to offsite areas was limited by a high degree of "uptime" at wells P-2, P-3, and P-4 located downgradient of the source areas, and at the property boundary respectively.

2.2.2 Capture Zone Development

A review of the potentiometric surface plots for the 2005 period for the TOR and Zone 1 (Appendix A) indicates that the GRS has maintained the capture zone in the immediate vicinity of the extraction wells.

2.2.3 Groundwater Extraction and Mass Recovery

Table 2 summarizes the extraction performance of the GRS. Approximately 11 million gallons of groundwater were extracted by the GRS in 2005, yielding approximately 211 pounds of extracted VOCs. The average total GRS pumping rate for 2005 was approximately 21 gpm. These data indicate that during 2005, the GRS continued to make progress in the reduction of available mass in the source area groundwater.

The groundwater analytical database (Appendix B) contains VOC data for certain monitoring wells dating back to 1984. See Section 5 for a discussion of groundwater quality.

2.2.4 Treatment and SPDES Discharge

During 2005, two noncompliant results were identified in exceedence of the SPDES permit requirements. The first occurred in April when the daily average for biological oxygen demand (BOD) was above the 5 mg/L permit level. The second noncompliant result was for methylene chloride above the permit level of 10ug/L. The exceedences are discussed further in Section 4.3.

2.3 SYSTEM UPGRADES

Following NYSDEC approval of the work plan, upgrades were begun on the GRS. Portions of the groundwater collection system that were previously above grade were placed below grade, including electrical and control wiring. A new tray stripper and air blower was installed to replace the tower strippers. The new tray stripper is planned to be placed on line in 2006.

2.4 RECOMMENDATIONS AND PLANNED FUTURE GRS ACTIVITIES

In addition to continued operation, maintenance, and monitoring of the focused extraction effort, the following activities will be addressed in 2006:

- Place the new tray stripper and blower online with appropriate programming of system controls.
- Complete decommissioning of the SVES points in accordance with the NYSDEC approved work plan.
- Evaluate the efficiency of the current granular activated carbon (GAC) systems for water and air treatment to determine if smaller systems may be used in place of the current systems.
- Evaluate the GRS to reduce energy usage and replace aging equipment. System processes will continue to be reviewed, economized, 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 migration control.

SECTION 3
WASTE HANDLING PROGRAM

The waste handling program for the GRS and former SVES consisted of tracking the generation and the proper disposition of soils, personal protective equipment, demolition debris, and O&M materials. The program is intended to provide compliance with applicable local, state, and federal regulations related to waste handling. During 2005, wastes generated during site operation and maintenance included personal protective equipment (PPE), GRS materials, and SVES components.

3.1 PERSONAL PROTECTIVE EQUIPMENT

During 2005, PPE waste was generated during routine O&M activities. The PPE wastes had been in contact with hazardous materials and are included in the spent water filters disposal. Waste PPE during the 2006 period will continue to be handled with waste O&M materials.

3.2 GROUNDWATER TREATMENT SYSTEM OPERATIONS AND MAINTENANCE MATERIALS

O&M of the treatment system generates used filter bags, PPE, sediment from filtering, and spent carbon adsorption material/units. During operations, a 55-gallon drum is used until full to contain used filter bags, and PPE. When the drum is nearly full, the material is tested for disposal purposes.

During 2005, less than one 55-gallon drum of used filter bags and O&M wastes (i.e. PPE, spent filter bags, etc.) was generated.

3.3 SOIL VAPOR EXTRACTION SYSTEM REMOVAL

Operation of the SVES system for soil remediation was discontinued in December of 2002. In 2003, disassembly and disposal of the portion of the SVES inside the control building commenced. In 2004, all piping and wiring for the system that was contained in the SVES control building was removed, pressure washed, and disposed. Silt from inside the piping was placed in two 55-gallon drums. The sediment was removed from within the SVES piping prior to steam cleaning. Removal of the portion of the system within the groundwater treatment building began in 2004 and was completed in 2005. SVES points outside the treatment building will be decommissioned in accordance with a NYSDEC-approved work plan.

SECTION 4
PERMIT ISSUES

Activities relating to the GRS have proceeded under several permits, including air discharge registration, and a revised SPDES discharge permit. Key activities associated with the permits are summarized below.

4.1 WATER DISCHARGE PERMIT

Metaullics Systems Company leases a part of the former Carborundum property. Metaullics assumed ownership of the POTW water discharge permit in 1999. Under the current operating procedures, Metaullics' process, sanitary waters, and site stormwater (combined) discharge to the POTW. No treated groundwater was discharged to the POTW during 2005.

4.2 AIR PERMIT

The facility is currently operating under a Registration status (the lowest level of air permit available in New York State) since the facility was previously permitted (Permit to Construct 1993, Certificate to Operate 1996) with an emission control device. The permit status for the system will remain at a Registration Level, as the registration does not expire.

4.3 SPDES PERMIT

The SPDES Permit for the GRS presently consists of Outfall 001A, located at the discharge of the GRS in the treatment building. The SPDES Permit is provided in Appendix C.

Discharge monitoring, reported monthly to the NYSDEC, indicated two permit exceedences in 2005. Both of these exceedences of the SPDES permit were reported to the NYSDEC and investigated by the permit holder in accordance with the permit. Investigation results were reported to NYSDEC in the discharge monitoring reports (see Appendix C).

The first exceedence occurred in April. The two analytical results for biological oxygen demand (BOD) during April averaged 10.3 mg/L, which exceeded the daily allowable average for BOD (5 mg/L) as defined in the SPDES permit. One of the two BOD sample results, with a concentration of 18.7 mg/L, was determined to be neither accurate nor valid, after an investigation into the QA/QC for the analysis indicated that the blank depletion value exceeded the maximum allowable value. The other BOD analysis conducted during April 2005 resulted in a concentration below the analytical detection limit of 2.0 mg/L. The daily maximum for BOD (30 mg/L) was not exceeded in April 2005.

The second noncompliant result occurred on July 18, 2005, for methylene chloride. The sample was diluted causing the reporting limit to increase to 14 ug/L which is above the permit level for methylene chloride of 10ug/L. Although methylene chloride was not

actually detected, because the reporting limit exceeded the permit level, the analysis was treated as an exceedence. According to the laboratory report, the sample was diluted due to excessive foaming. The sample was diluted by a factor of four, which increased the reporting limit from 3.5 ug/L to 14 ug/L. The review of historical data, results from the reanalysis of the July 18 sample, and non-detect results at the 3.5 ug/L reporting limit for July 25, August 2, and August 8, 2005 supports the conclusion that methylene chloride did not exceed the permitted limit during July. Rather, the elevated reporting limits caused by dilution of the sample in the analytical laboratory produced a non-detect result with a reporting limit above 10 ug/L.

To complete the 2004 Quality Assurance Study (DMR-QA Study 24), the mercury and pH results for the first four discharge monitoring reports in 2005 were evaluated to ensure that acceptable, usable results were reported. In 2004 the DMR-QA Study 24 found that mercury and pH results were "not acceptable" with reported values outside the acceptance limits; mercury was reported at 8.3 ug/L with an acceptance range of 10.0 to 16.7 ug/L and pH was reported at 5.53 S.U. with and acceptance range of 5.29 to 5.52 S.U. The follow-up investigation was to monitor the mercury and pH results for four months. The results of the investigation determined that the "not acceptable" results for mercury and pH in 2004 were laboratory analytical anomalies. Normal QA/QC procedures have resumed, as results were acceptable after being evaluated.

In the 2005 DMR-QA Study 25, a "not acceptable" result was obtained for iron. The DMR-QA study requires that the permit holder investigate any discrepancies or "not acceptable" data reported. The investigation determined that the root cause of the not acceptable result was the improper design of the sample digester fume evacuation system. Short term corrective actions to facilitate better air flow and eliminate the collection of condensate in the digester cups have been implemented. Long term, corrective measures include redesign of the sample digester fume evacuation system.

SECTION 5
MONITORING, SAMPLING, AND ANALYSIS

Monitoring for the remediation program included both routine monitoring of groundwater conditions and discharges, as well as task-specific sampling and analysis events. The sampling and analyses that were conducted during the 2005 reporting period are summarized below.

5.1 GROUNDWATER MONITORING

Monitoring of groundwater conditions includes both groundwater level measurements and groundwater quality sampling and analysis. On a quarterly basis (January, April, July, and October), groundwater samples were collected and submitted for laboratory analysis. Samples were collected in January, April, July, and October on the schedule defined in Table 3. The new sampling schedule used in October was approved by the NYSDEC. Changes to the sampling schedule included removal of redundant wells form the sampling list, reduction of sampling frequency for several wells, and a reduction in the number of low flow groundwater samples collected annually.

In 2005, groundwater levels were measured in all of the wells in the monitoring network on a monthly basis. Beginning in 2006, water levels will be measured quarterly, as approved by the NYSDEC.

Groundwater samples were divided into three different groups based on historical analytical results from individual wells. The sampling groups were identified as least impacted (low), medium impacted (medium), and most impacted (high). To the extent practicable, the wells in the low group were sampled first, followed by wells in the medium group, and lastly wells in the high group. Within each group, wells were sampled, to the extent feasible, from lowest historical impacts to greatest historical impacts. Each sample submission group was marked on the chain of custody (COC) prior to delivery to the analytical laboratory. Quality assurance/quality control (QA/QC) samples included field duplicates, matrix spike/matrix spike duplicates (MS/MSD), and equipment blanks. To the extent practicable, QA/QC sample sets were collected at a rate of one per sample group. The equipment blank was collected using laboratory supplied deionized water run through decontaminated sampling equipment.

Using standard protocols, each well was purged with a decontaminated purge pump, dedicated high density polyethylene (HDPE) bailer, or the sampling port on the pumping 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 pumping wells. Field parameters were also collected immediately after sample collection. Field parameters for natural attenuation parameters are collected after sampling during the April quarterly

sampling event. The samples were placed in pre-cleaned, labeled 40-ml glass vials provided by STL. The sample vials did not contain preservative, in accordance with New York State regulations. Two sample vials were collected for each analysis and well. The containers were visually inspected to confirm that they did not contain air bubbles.

January 2005

The January 2005 quarterly sampling event included the sampling of 42 monitoring wells and five pumping wells. No low-flow samples were planned during this quarterly sampling event. Field data collected during the sampling event are provided on Table 4.

April 2005

The April 2005 quarterly sampling event included the sampling of 46 monitoring wells, five pumping wells, and low-flow sampling for natural attenuation parameters at 27 of the 46 monitoring wells. In April, Microseeps, Inc. (Microseeps) performed laboratory analysis on 19 samples for the natural attenuation parameters. Attenuation parameter field data collected in April is provided on Table 5. Laboratory results are provided on Table 6.

Low flow sampling methods were employed to collect 27 groundwater samples. A pneumatically operated bladder pump was placed approximately 1 to 2 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, redox, and dissolved oxygen) stabilized. Purge volumes varied between one and five gallons. Once the parameters stabilized, the groundwater sample was collected.

July 2005

Fifty-nine monitoring wells and five pumping wells were sampled during the July sampling event. Severn Trent Laboratories (STL) provided the laboratory analysis (EPA Method 8021) for VOCs. The groundwater sampling event was completed between July 7 and July 27, 2005. Low flow sampling methods were employed to collect 27 groundwater samples. Low flow groundwater sampling techniques were described above.

The natural attenuation field data collected in July 2005 is provided in Table 7. No laboratory analyses were conducted for natural attenuation parameters during July 2005 in accordance with the monitoring plan.

October 2005

With NYSDEC approval, the revised sampling schedule (see Table 4) became effective starting with the October 2005 sampling round. Twenty-two monitoring wells and five pumping wells were sampled during the October sampling event. Severn Trent Laboratories (STL) provided the laboratory analysis (EPA Method 8021) for VOCs. The groundwater sampling event was completed between October 5 and October 24, 2004. Field parameters collected during this sampling event are provided on Table 8. No sampling or analyses were

conducted for natural attenuation parameters during October 2005, in accordance with the revised monitoring plan (see Table 9).

Groundwater Quality

As mentioned in Section 2.2.1, pumping wells have been focused to recover groundwater from the Top of Rock and Zone 1. The highest concentrations of TCE, total 1,2-DCE, and VC have been identified in these upper zones. In general, the concentration of dissolved VOCs observed in groundwater samples from all zones in 2005 is consistent with historical levels. 2005 concentrations for each sampling event are provided on maps presented in Appendix A. Time series plots showing historical and current analytical data, as well as analytical tables for current and historical results, are provided in Appendix B.

Top of Rock and Zone 1

In the Top of Rock and Zone 1 during 2005, dissolved VOCs generally ranged from below the analytical detection limits to 1,000 ppb. Wells in which concentrations of one or more VOCs exceeded 1,000 ppb are listed below:

- Since 2001, PW-1 has had fluctuating concentrations of dissolved VOCs that appear to have a flat trend. In 2004, TCE and total 1,2-DCE were identified over 1,000 ppb. In 2005, TCE occurred over 1,000 ppb in April and October, and total 1,2-DCE concentrations decreased from 2004 levels to less than 1,000 ppb. The change observed between pre-2001 and post-2001 concentrations in this well is attributable to a change (in 2001) in the screened interval of the well.

- Dissolved VOC concentrations in well B-8M have remained consistent since the well was first sampled in 1984. Well B-8M is near a former source area, east of PW-3. TCE has been typically observed at over 10,000 ppb. Total 1,2-DCE concentrations ranged as high as10,000 ppb in 2004, but dropped to 3,300 ppb in July 2005, and less than 1,000 ppb in October 2005. The concentration of VOCs in this well appears to be influenced by fluctuations in water levels.

- B-13M concentrations of dissolved VOCs have been stable since the pumping wells were retrofitted in 2001. In 2005, the maximum total 1,2-DCE concentrations was 1,100 ppb, and TCE concentrations were 300 ppb or lower.

- B-17M concentrations of dissolved VOCs have been stable since the pumping wells were retrofitted in 2001. In 2005, total 1,2-DCE concentrations ranged from 9,700 ppb to greater than 15,000 ppb. TCE concentrations were consistently above 7,000 ppb, and vinyl chloride concentrations equaled or exceeded 1,000 ppb.

- P-2 concentrations of dissolved VOCs have remained relatively stable, since the well screen interval was changed in 2001. TCE concentrations ranged from

5,200 to 9,200 ppb in 2005. Total 1,2-DCE was detected in the 500 to 900 ppb range in all four events.

- P-4 concentrations of dissolved VOCs increased after a change in the screened interval of the well in 2001. TCE concentrations ranged from 870 to 1,200 ppb in 2005, similar to 2004. Total 1,2-DCE concentrations were in the 500 to 1,200 ppb range, also similar to 2004.

- TCE was detected in PW-3 at concentrations ranging from 1,500 to 4,000 ppb, higher than the maximum of 2,400 ppb in 2004.

- TCE was detected in B-37M at 4,900 ppb in 2005, substantially lower than in 2003 and 2004. Total 1,2-DCE, which was greater than 1,000 ppb in 2004, continued to exceed 1,000 ppb in 2005.

Zones 2, 3, and 4

VOC concentrations in these deeper groundwater zones were typically orders of magnitude lower than those in the Top of Rock zone and Zone 1. Concentrations in the majority of the wells ranged from less than detection limits to 5 ppb. Only a single well, B-56M, contained concentrations exceeding 100 ppb (110 ppb TCE). Results for these zones are displayed graphically in Appendix A.

5.2 NIAGARA QUARRY SEEP AND POND SAMPLING

In conjunction with the groundwater monitoring, groundwater seeps on the quarry wall and ponded water were sampled at the Niagara Quarry on April 5 and October 6, 2005. STL provided the laboratory analysis (EPA Method 8260). Laboratory analytical reports are on file at Parsons and available upon request.

No VOCs were detected in any of the water samples from the quarry pond. The quarry seep was dry during each of the sampling events. These results are consistent with historic results. In previous communications with the land owner, the 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 spring and fall will continue through the 2006 period.

5.3 FUTURE SAMPLING AND ANALYSIS ACTIVITIES

Scheduled activities for the 2006 annual period include the following:

- Quarterly water level monitoring of all monitoring wells and pumping wells;

- Quarterly sampling and chemical analysis of selected monitoring wells and the pumping wells as identified in Table 9. The April 2006 event will include both natural attenuation field and laboratory parameters;

- Annual sampling and chemical analysis for all monitoring and pumping wells as identified in Table 9;
- Semi-annual sampling of Niagara Quarry wall seeps (when present) and ponded water; and
- SPDES discharge compliance sampling.

SECTION 6
HEALTH AND SAFETY

Health and safety activities during the period included continued worker and community H&S monitoring. 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. An HSSE review of the job site, conducted by Atlantic Richfield Company, was completed in August 2004. Minor deficiencies were noted, mostly in procedures concerning the collection of groundwater samples. Deficiencies were corrected prior to the following sampling round.

6.1 SITE HEALTH AND SAFETY PLAN

All contractors assigned to the remediation efforts operated under the provisions of the Site HSSE Plan. This plan was revised by Parsons in November 2003 and accepted by health and safety representatives from Atlantic Richfield Company, O&M Enterprises, and Haley & Aldrich. All new personnel assigned to the site are given a health and safety orientation that includes a review of the Site HSSE Plan.

6.2 PERFORMANCE REPORT

During the 2005 Annual Period, no major accidents or incidents occurred at the site. A summary of the reportable accidents, injuries, incidents and releases during the 2005 Annual period is given below:

- Total Site Manhours Worked - 2005 Annual Period: 2,581 (approximate)
- Total Hours without accident, incident, or release: 5,405
- Reportable Accidents or Injuries: None
- Reportable OSHA Incidents: None
- Reportable Releases: None

SECTION 7
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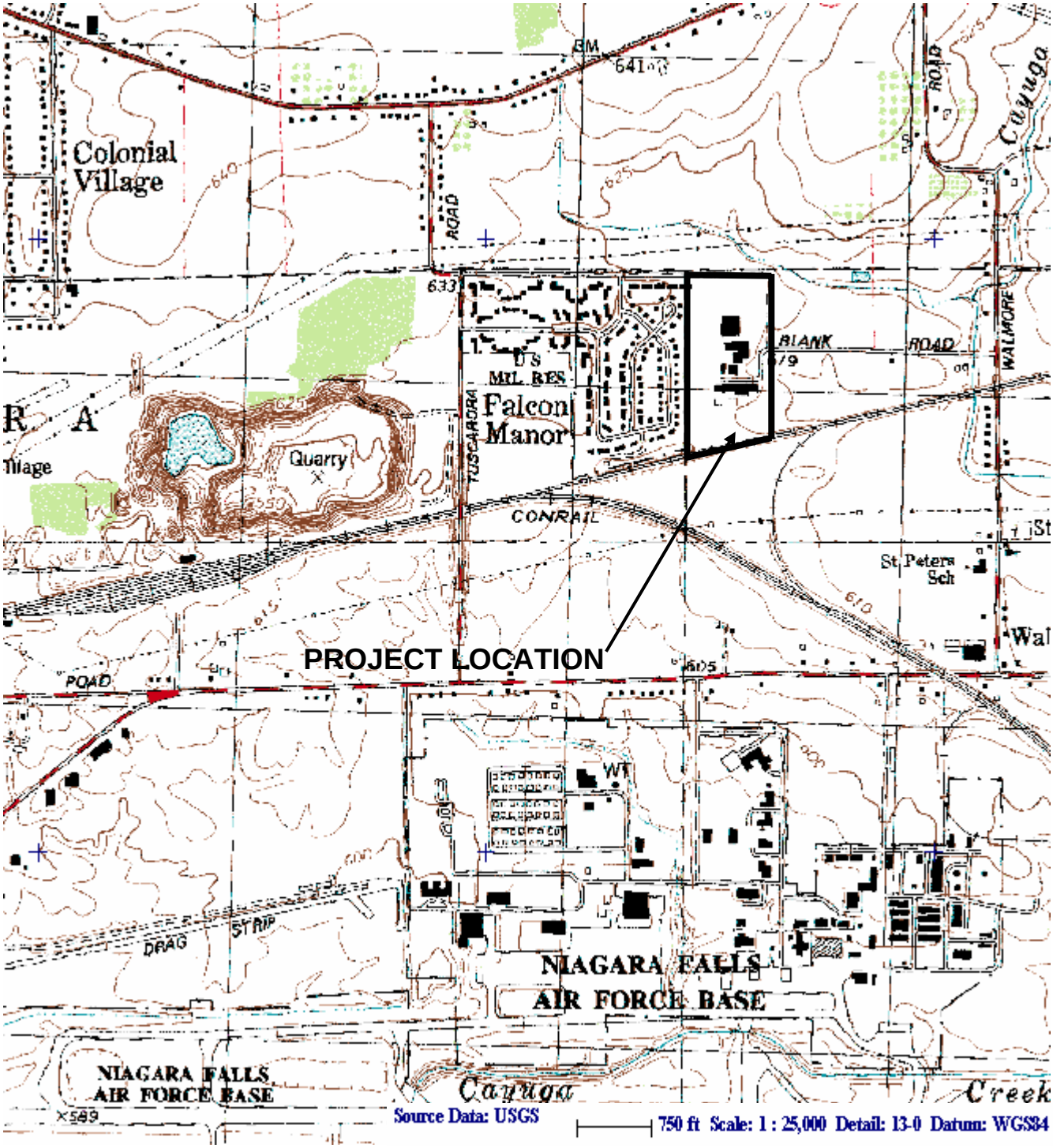
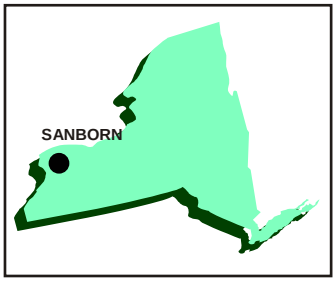




New York
Quadrangle

LATITUDE: N43° 07' 43"
LONGITUDE: W78° 56' 18"

N

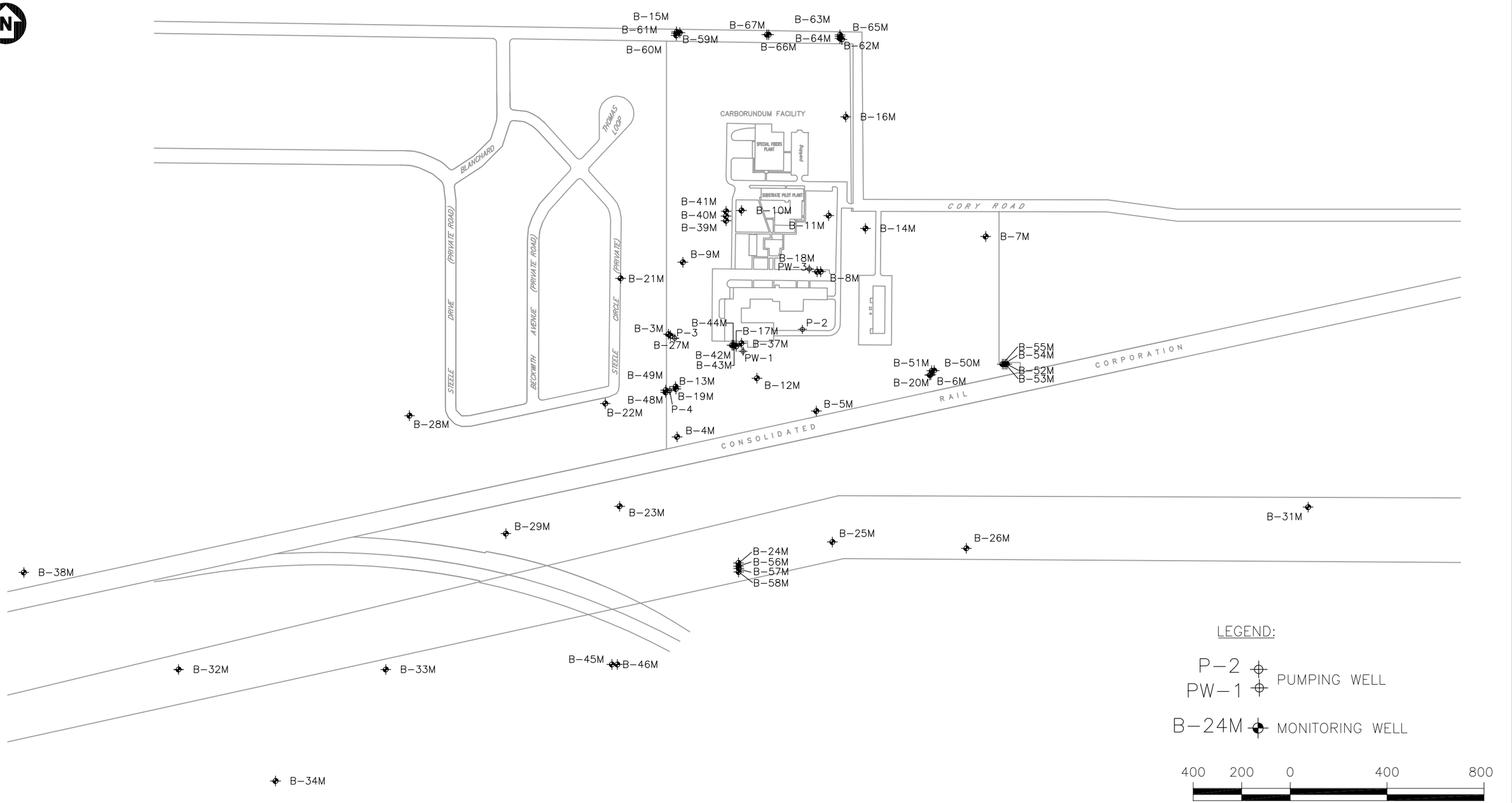
SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

FIGURE 1

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

PROJECT LOCATION PLAN

PARSONS
180 LAWRENCE BELL DRIVE*WILLIAMSVILLE, NEW YORK, 14221 * (716) 633-7074



LEGEND:

P-2 / PW-1 PUMPING WELL

B-24M MONITORING WELL

400 200 0 400 800

SCALE: 1"=400'

FIGURE 2

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

SITE PLAN

PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104, WILLIAMSVILLE, N.Y. 14221, PHONE: 716-633-7074

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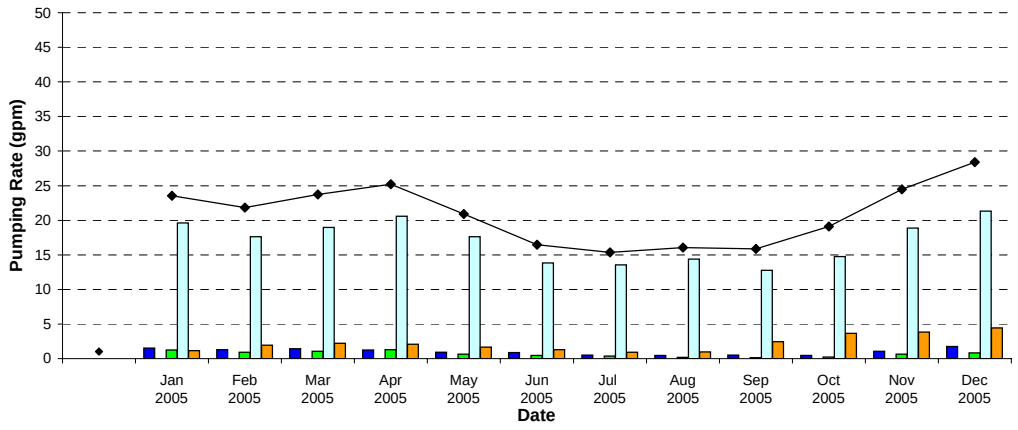

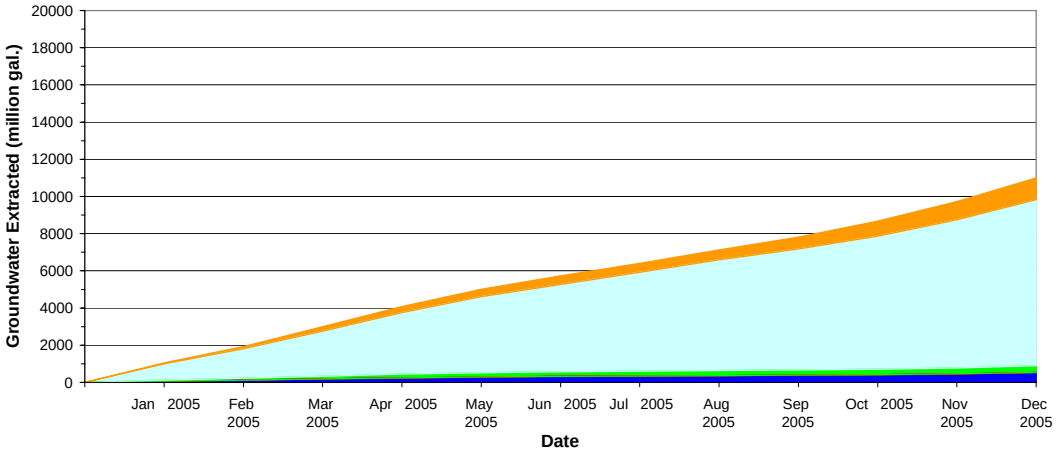

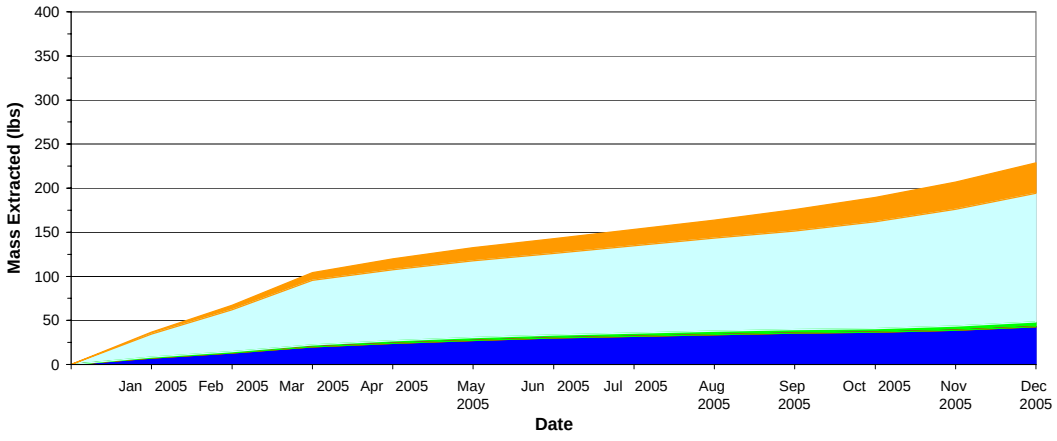

Legend:

- P-2
- P-3
- P-4
- PW-1
- PW-3

Notes:

1. Totals represent a running cumulative of all pumping wells.
2. Totals are for the period of 01/01/05 to 12/31/05 only.

PARSONS

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
WHEATFIELD, NEW YORK

GROUNDWATER RECOVERY SYSTEM PERFORMANCE SUMMARY

December 2005

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FIGURE 3

TABLE 1
PUMPING WELL SPECIFICATIONS
Former Carborundum Facility
Wheatfield, New York

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	10/31/2001	5S03-9	26.4	24.4	23.2	On	19.0	
		0.5 hp - 5gpm				Off	23.2	4.2
P-3	10/31/2001	5S03-9	33.7	31.7	30.5	On	27.5	
		0.5 hp - 5gpm				Off	30.5	3.0
P-4	10/31/2001	5S03-9	34.2	32.2	31.3	On	27.0	
		0.5 hp - 5gpm				Off	30.0	3.0
PW-1	1/7/2002	25S15-9	29.8	27.8	26.1	On	23.1	
		1.5 hp - 25 gpm				Off	26.1	3.0
PW-2	2/20/2002	300S150-4	22.6	20.6	19.6	On	16.6	
	(primary)	15 hp - 300gpm				Off	19.6	3.0
	2/20/2002	5S03-9	22.6	19.6	19.6	On	16.6	
		0.5 hp - 5gpm				Off	19.6	3.0

Revised 9/05/2003

TABLE 2
GRS PERFORMANCE SUMMARY
Former Carborundum Facility
Wheatfield, New York

Well	Category	Units	January 2005	February 2005	March 2005	April 2005	May 2005	June 2005	July 2005	August 2005	September 2005	October 2005	November 2005	December 2005	Annual Total 2005
		Days	31	28	31	30	31	30	31	31	30	31	30	31	365
P-2															
	Downtime - Hide	(hrs)	0	96					0	0		0	24		
	Uptime	(%)	100%	86%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%
	Average Flow	(gpm)	1.5	1.3	1.5	1.3	0.9	0.9	0.5	0.5	0.5	0.5	1.1	1.8	1.0
	Total Flow	(gal)	67,983	52,861	64,823	54,551	41,840	38,208	22,749	21,660	21,952	20,943	46,380	79,085	533,035
	Average Concentration (total)	(ppb)	12,860.	12,860.	12,860.	9,017.7	9,017.7	9,017.7	9,910.	9,910.	9,910.	5,930.	5,930.	5,930.	NA
	Total Contaminant Removed	(lbs)	7.3	5.7	7.0	4.1	3.1	2.9	1.9	1.8	1.8	1.0	2.3	3.9	42.8
P-3															
	Downtime - Hide	(hrs)	0	96					0	0		0	24		
	Uptime	(%)	100%	86%	100%	100%	100%	100%	100%	100%	100%	100%	97%	100%	99%
	Average Flow	(gpm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
	Total Flow	(gal)	856	694	850	832	606	423	280	206	142	230	611	870	6,600
	Average Concentration (total)	(ppb)	101.	101.	101.	93.2	93.2	93.2	145.7	145.7	145.7	126.	126.	126.	NA
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P-4															
	Downtime - Hide	(hrs)	0	96	0				0	0		0	26		
	Uptime	(%)	100%	86%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%	99%
	Average Flow	(gpm)	1.3	0.9	1.1	1.3	0.6	0.5	0.4	0.2	0.1	0.2	0.7	0.8	1
	Total Flow	(gal)	56,190	38,151	47,578	55,503	28,337	19,827	16,681	8,523	6,430	9,967	28,564	37,914	353,665
	Average Concentration (total)	(ppb)	1,893.	1,893.	1,893.	1,456.	1,456.	1,456.	1,732.	1,732.	1,732.	2,126.	2,126.	2,126.	NA
	Total Contaminant Removed	(lbs)	0.9	0.6	0.8	0.7	0.3	0.2	0.2	0.1	0.1	0.2	0.5	0.7	5.3
PW-1															
	Downtime - Hide	(hrs)	72	96						0		0	33.5		
	Uptime	(%)	90%	86%	100%	100%	100%	100%	100%	100%	100%	100%	95%	100%	98%
	Average Flow	(gpm)	19.6	17.6	18.9	20.6	17.6	13.8	13.6	14.4	12.8	14.8	18.9	21.3	17
	Total Flow	(gal)	874,530	710,269	845771	888,805	786,632	597,403	605,132	641,735	552,000	659,043	815,393	951,931	8,928,644
	Average Concentration (total)	(ppb)	3,606.	3,606.	3,606.	1,008.8	1,008.8	1,008.8	1,298.	1,298.	1,298.	1,703.	1,703.	1,703.	NA
	Total Contaminant Removed	(lbs)	26.3	21.4	25.4	7.5	6.6	5.0	6.6	7.0	6.0	9.4	11.6	13.5	146.2
PW-3															
	Downtime - Hide	(hrs)	0	96	0	0	0	0	0	0	0	0	24	0	
	Uptime	(%)	100%	86%	100%	100%	100%	100%	100%	100%	100%	100%	97%	100%	99%
	Average Flow	(gpm)	1.2	2.0	2.2	2.1	1.7	1.3	0.9	1.0	2.4	3.7	3.8	4.4	2
	Total Flow	(gal)	52,116	79,058	99,219	89,645	75,265	56,017	40,814	44,264	105,167	163,478	165,774	198,204	1,169,021
	Average Concentration (total)	(ppb)	4,700.	4,700.	4,700.	4,305.	4,305.	4,305.	4,636.	4,636.	4,636.	2,300.	2,300.	2,300.	NA
	Total Contaminant Removed	(lbs)	2.0	3.1	3.9	3.2	2.7	2.0	1.6	1.7	4.1	3.1	3.2	3.8	34.5
GRS Total															
	Uptime	(%)	98%	86%	100%	100%	100%	100%	100%	100%	100%	100%	97%	100%	98%
	Average Flow	(gpm)	23.6	21.9	23.7	25.2	20.9	16.5	15.4	16.0	15.9	19.1	24.5	28.4	20.9
	Total Flow	(gal)	1,051,675	881,033	1,058,241	1,089,336	932,680	711,878	685,656	716,388	685,691	853,661	1,056,722	1,268,004	10,990,965
	Total Contaminant Removed	(lbs)	36.5	30.7	37.0	15.5	12.8	10.2	8.7	8.9	7.9	10.6	14.4	18.1	211.3

Notes:

1. FOR THE PERIOD OF 01/01/05 TO 12/31/05
2. UPTIME ESTIMATED AND REFLECTS POTENTIAL UPTIME.
3. FLOW RATES ARE ESTIMATED THROUGHOUT THE PERIOD DUE TO METER MALFUNCTIONS.
4. FLOW METER FOR PW-1 SHORTED OUT ON 2/16/05 AND THE MONTH'S DAILY AVERAGE WAS ADDED FOR 2 DAYS.
5. FLOW METER FOR PW-1 WAS NOT OPERATING ON 4/6/05, NEW MECHANICAL METER WAS INSTALLED ON 4/7/05.
6. PUMPS P-3, P-4, AND PW-3 WERE PULLED, CLEANED, CHECKED AND REINSTALLED ON 6/2/05, 6/6/05, AND 6/7/05.

TABLE 3
SUMMARY OF GROUNDWATER MONITORING PROGRAM - 2005
Former Carborundum Facility
Wheatfield, New York

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

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 for the yearly sampling event, since it typically has had the highest TCE concentrations.
3. Water Levels are to be collected from every well, every month.

TABLE 4
MONITORING WELL GROUNDWATER SAMPLING DATA - JANUARY 2005
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg C)	Turbidity (NTU)	Remarks
P-2	1/18/05	11:20	619.67	7.49	1330.00	48.9	5.62	
P-3	1/12/05	11:10	627.35	7.50	1630	48.2	1.43	
P-4	1/12/05	10:00	624.45	7.20	1180.00	49.8	70.00	
PW-1	1/12/05	10:30	619.78	7.09	820.00	49.9	0.00	
PW-3	1/12/05	13:20	618.28	7.43	1320.00	47.7	6.63	
B-6M	1/17/05	12:50	615.69	8.37	970.00	39.7	127.00	
B-7M	1/18/05	0:00	616.22	7.84	820	36.3	231.00	
B-8M	1/12/05	13:10	618.57	7.44	1190.00	47.30	204.00	
B-17M	1/18/05	10:35	622.07	7.44	1170.00	44.70	96.00	
B-18M	1/12/05	14:20	618.69	7.32	1570.00	51.50	40.19	
B-19M	1/12/05	9:55	626.01	7.28	1510.00	47.60	17.36	
B-20M	1/17/05	13:20	615.40	8.01	550.00	37.90	37.09	
B-21M	1/14/05	9:05	622.56	7.30	1110.00	46.70	9.08	
B-22M	1/20/05	10:00	622.29	7.17	1210.00	46.10	177.00	
B-23M	1/13/05	13:30	617.71	6.69	1190.00	55.00	356.00	
B-24M	1/13/05	11:00	617.20	6.69	1050.00	54.2	30.66	
B-28M	1/14/05	9:50	622.62	7.43	1040.00	44.7	888.00	
B-29M	1/13/05	13:20	618.31	6.69	1400.00	55.90	140.00	
B-31M	1/19/05	15:05	613.78	8.11	990.00	42.3	31.28	
B-32M	1/13/05	9:35	619.35	6.97	1310.00	54.20	149.00	
B-38M	1/20/05	10:50	609.81	7.38	1110.00	42.6	122.00	
B-39M	1/12/05	14:50	626.12	7.43	820.00	50.30	30.87	
B-40M	1/12/05	15:30	626.23	7.36	1170.00	50.90	12.32	
B-41M	1/18/05	14:20	626.31	8.20	180.00	35.10	32.66	
B-42M	1/18/05	9:41	623.76	7.72	880.00	47.60	6.68	
B-43M	1/18/05	10:50	623.64	7.32	1280.00	45.90	16.84	
B-44M	1/18/05	10:45	623.29	7.69	2540.00	46.90	54.00	
B-45M	1/13/05	10:00	612.12	7.17	2160.00	53.8	593.00	
B-46M	1/13/05	9:50	613.46	7.07	1260.00	53.8	35.74	
B-48M	1/12/05	9:30	625.40	7.11	980.00	47.9	22.15	
B-49M	1/12/05	11:30	625.56	7.00	2860.00	49.40	14.29	
B-50M	1/17/05	13:45	616.47	8.10	880.00	38.80	23.42	
B-51M	1/17/05	12:25	616.48	-	-	-	-	not able to sample, well FROZEN
B-52M	1/13/05	14:05	616.26	7.07	1270.00	52.6	38.67	
B-53M	1/15/05	14:20	616.14	7.38	570.00	53.8	0.00	
B-54M	1/17/05	11:25	616.00	12.13	1740.00	41.9	114.00	
B-55M	1/17/05	11:10	615.59	7.10	3730.00	41.4	34.32	
B-56M	1/13/05	11:45	617.78	7.22	1080.00	53.50	53.00	
B-57M	1/13/05	11:30	617.80	7.21	2390.00	54.6	307.00	
B-58M	1/13/05	11:20	617.99	7.09	1410.00	52.9	2.76	
B-59M	1/19/05	10:10	625.53	7.32	1210.00	45.50	19.94	
B-60M	1/19/05	10:05	625.67	7.41	1090.00	43.8	8.85	
B-61M	1/19/05	9:15	625.72	7.35	1040.00	48.90	672.00	
B-62M	1/19/05	-	623.89	-	-	-	-	unable to sample, well FROZEN
B-63M	1/19/05	12:20	624.14	7.91	230.00	45.5	43.08	
B-64M	1/19/05	12:00	623.95	7.94	1000.00	50.0	6.62	
B-65M	1/19/05	12:40	624.19	6.96	2310.00	46.2	20.03	
B-66M	1/19/05	11:15	625.37	11.91	1720.00	43.9	167.00	
B-67M	1/19/05	10:50	625.51	7.45	750.00	42.2	106.00	

TABLE 5
MONITORING WELL GROUNDWATER SAMPLING DATA - APRIL 2005
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Natural Attenuation Parameters
P-2	4/4/05	12:55	619.67	7.66	1.15	55.1	36.57	
P-3	4/4/05	13:25	627.35	7.95	1.56	52.2	8.55	
P-4	4/4/05	13:45	624.45	7.74	1.17	53.1	12.82	
PW-1	4/4/05	13:15	619.78	7.83	0.79	53.3	10.15	
PW-3	4/4/05	14:20	618.28	7.72	1.90	52.5	208	
B-6M	4/5/05	14:00	615.69	7.6	1.80	55.1	179	
B-7M	4/4/05	14:50	616.22	8.04	0.86	45.4	71	
B-8M	4/20/05	13:15	618.57	7.05	0.93	49.2	52	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-10M	4/20/05	12:00	622.07	6.63	1.70	50.8	4.88	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 0.1 mg/l
B-13M	4/19/05	14:00	618.69	7.0	2.46	54.2	345	Alkalinity as $CaCO_3$ = 340 mg/l Ferrous Iron = 0 mg/l
B-17M	4/20/05	10:00	626.01	6.87	1.26	54.0	279	Ferrous Iron = 1 mg/l
B-18M	4/4/05	2:20	622.56	7.25	1.24	54.4	29.14	Resampled for low flow field parameters.
B-18M*	4/20/05	14:30	622.56	6.90	1.37	51.4	2.91	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 0 mg/l
B-19	4/21/05	11:15	617.71	6.98	1.59	52.0	47.61	Alkalinity as $CaCO_3$ = 260 mg/l Ferrous Iron = 0 mg/l
B-19M	4/4/05	1:20	617.71	7.73	1.28	51.9	6.42	
B-20M	4/22/05	14:20	622.62	7.37	1.21	50.0	17.19	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-21M	4/22/05	16:00	618.31	7.0	1.34	52.5	547	Alkalinity as $CaCO_3$ = 320 mg/l Ferrous Iron = 0.3 mg/l
B-22M	4/26/05	14:00	619.35	6.89	1.57	54.9	672	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 0.2 mg/l
B-23M	4/19/05	12:10	609.81	6.86	1.30	53.6	567	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0.2 mg/l
B-24M	4/6/05	13:25	626.12	8.23	0.69	53	49	
B-28M	4/5/05	12:35	622.62	7.4	1.04	56.1	262	
B-29M	4/19/05	10:25	618.31	7.07	1.83	53.8	382	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 1.8 mg/l
B-31M	4/5/05	8:45	613.78	8.45	0.93	48.0	17.26	
B-32M	4/19/05	8:20	619.35	6.96	1.75	52.0	225	Alkalinity as $CaCO_3$ = 300 mg/l Ferrous Iron = 0.6 mg/l
B-38M	4/5/04	11:40	609.81	7.51	1.31	54.6	51	
B-39*	4/26/005	7:50	626.12	6.62	1.29	50.8	138	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-39	4/28/05	8:40	626.12					Resampled for DOC.
B-40M	4/26/05	9:25	626.23	7.85	1.36	51.7	4.84	Alkalinity as $CaCO_3$ = 220 mg/l Ferrous Iron = 0.1 mg/l
B-41	4/26/05	11:00	626.31	7.15	0.95	51.6	8.35	Ferrous Iron = 0 mg/l
B-41*	4/28/05	9:55	626.31					Resampled for Total Iron and Manganese.
B-42M	4/26/05	12:30	623.76	6.85	0.895	53.4	23.05	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-43M	4/21/05	14:40	623.64	7.51	1.62	53.7	232	Alkalinity as $CaCO_3$ = 220 mg/l Ferrous Iron = 0.1 mg/l
B-44M	4/21/05	12:50	623.29	7.21	3.05	54.5	122.0	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0.2 mg/l
B-45M	4/5/05	10:20	612.12	7.33	2.24	50.3	1000	
B-46M	4/5/05	10:05	613.46	8.34	1.13	50.7	22.92	
B-48M	4/21/05	9:50	625.40	7.04	0.98	50.1	305	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-49M	4/21/05	8:15	625.56	6.83	3.27	50.1	32.9	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 0.1 mg/l
B-50M	4/20/05	8:15	616.47	6.88	0.918	52.0	205	Alkalinity as $CaCO_3$ = 360 mg/l Ferrous Iron = 0 mg/l
B-51M	4/22/05	13:05	616.48	7.11	1.34	51.4	43.60	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-52M	4/6/05	10:45	616.26	7.73	1.55	45.2	78	
B-53M	4/6/05	11:15	616.14	7.49	1.19	45.7	27.63	
B-54M	4/6/05	9:20	616.00	11.78	1.67	49.8	20.42	
B-55M	4/6/05	9:14	615.59	7.70	3.64	50.2	4.84	
B-56M	4/22/05	11:40	617.78	7.02	2.79	54.0	980	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-57M	4/6/05	13:00	617.80	7.76	2.24	52.6	599	
B-58M	4/6/05	12:50	617.99	7.92	1.47	54.8	23.34	
B-59M	4/25/05	11:50	625.53	6.80	1.33	47.9	80	Alkalinity as $CaCO_3$ = 340 mg/l Ferrous Iron = 0.2 mg/l
B-60M	4/22/05	8:30	625.67	7.01	2.52	49.7	37.4	Alkalinity as $CaCO_3$ = 260 mg/l Ferrous Iron = 1.1 mg/l
B-61M	4/25/05	13:20	625.72	7.60	1.17	47.7	13.32	Ferrous Iron = 0 mg/l
B-62M	4/4/05	10:50	623.89	7.28	3.09	47.8	39.68	
B-63M	4/4/05	9:40	624.14	7.05	3.11	45.80	8.20	
B-64M	4/4/05	10:00	623.95	7.53	0.94	48.0	2.28	
B-65M	4/4/05	10:23	626.23	7.74	2.17	46.20	29.48	
B-66M	4/4/05	8:50	626.31	7.93	0.86	50.0	63	
B-67M	4/4/05	8:20	623.76	7.35	1.13	47.6	63	
Quarry Pond	4/5/05	11:15	623.76	8.22	1.54	47.6	24.45	

TABLE 6
NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY
APRIL 2005 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Compound	Units	B-8M	B-10M	B-13M	B-17M	B-18M	B-19M	B-22M	B-23M	B-29M	B-32M	B-39M	B-40M	B-41M	B-42M	B-43M	B-44M	B-48M	B-49M	B-50M
Biochemical Oxygen Demand	mg/l	<3.0	<3.0	<3.0	<3.0	<3.0	3.2	<3.0	4.8	<3.0	4.5	<3.0	3.6	3.3	4	<3.0	<3.0	<3.0	31	<3.0
Chemical Oxygen Demand	mg/l	<5.00	<5.00	<5.00	12	<5.00	<5.00	<10.00	7.3	11	<5.00	<10.00	<10.00	<10.00	<10.00	<5.00	<5.00	<5.00	63	<5.00
Chloride	mg/l	57	230	89	110	71	66	84	83	88	82	91	56	59	87	75	56	58	67	57
Nitrate	mg/l	18	3.7	1.4	1.1	1.1	1.1	1.6	1.4	1.2	<0.5	10	12	1.1	15	1.5	<0.5	20	1.2	3.4
Nitrite	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	0.8	<0.5	<0.5
Soluble Organic Carbon	mg/l	<5.000	5.3	<5.000	5.1	<5.000	<5.000	<5.000	<5.000	5.9	<5.000	<5.000	<5.000	<5.00	<5.000	<5.000	<5.000	<5.000	5.1	<5.000
Sulfate	mg/l	68	72	370	200	250	380	390	190	500	230	180	440	180	110	570	1700	110	2100	92
Iron	mg/l	0.063	<0.0500	<0.0500	0.55	0.075	<0.0500	0.13	1.9	1.1	0.28	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.072	<0.0500	<0.0500	<0.0500
Manganese	mg/l	0.025	<0.0100	0.034	0.091	0.021	0.022	<0.0100	0.022	0.025	0.046	<0.0100	0.024	0.015	<0.0100	0.018	0.03	0.012	0.018	0.02
Ethane	ng/l	470	11	1500	5300	1100	410	86	200	130	75	32	750	1700	170	360	27000	48	33000	88
Ethene	ng/l	260	25	910	54000	1200	45	480	150	28	61	320	210	160	1600	32	13000	180	12	78
Methane	ug/l	4.4	0.18	35	270	3.9	9.3	4.3	9.8	8.1	16	3.9	6	4.8	23	2	32	0.34	110	1.1

TABLE 7
MONITORING WELL GROUNDWATER SAMPLING DATA - JULY 2005
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Natural Attenuation Parameters
P-2	7/11/05	15:00	619.67	7.29	1.77	65.1	36	
P-3	7/8/05	14:20	627.35	7.59	1.59	56.4	10.39	
P-4	7/11/05	15:35	624.45	7.42	1.25	60.2	8	
PW-1	7/11/05	15:15	619.78	7.48	.96	59.9	16	
PW-3	7/11/05	14:45	618.28	7.16	1.33	67.2	8.13	
B3-M	7/14/05	9:35	625.59	7	1.02	53.8	47.49	
B4-M	7/14/05	9:00	622.24	7.36	1.71	60.7	12.46	
B5-M	7/13/05	14:10	620.83	7.38	0.71	55.1	162	
B-6M	7/13/05	13:30	615.69	7.01	1.22	57.0	431	
B-7M	7/12/05	14:30	616.22	7.12	0.87	55.1	98	
B-8M	7/15/05	13:45	618.57	7.10	2.00	56.6	9.05	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-9M	7/7/05	14:40	623.03	7.27	.99	53.5	2.56	
B-10M	7/20/05	14:30	622.07	6.92	1.60	53.8	18.1	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-11M	7/14/05	11:00	622.81	6.98	1.21	56.7	28.20	
B-12M	7/8/05	11:05	622.17	7.27	0.86	57.7	28.26	
B-13M	7/21/05	9:55	618.69	7.09	1.12	53.1	15.87	Alkalinity as $CaCO_3$ =320 mg/l Ferrous Iron = 0.1 mg/l
B-14M	7/8/05	13:10	618.25	7.48	1.42	54.2	109	
B-15M	7/20/05	13:00	623.98	6.93	1.41	59.1	28.19	Alkalinity as $CaCO_3$ = 460 mg/l Ferrous Iron = 0 mg/l
B-16M	7/8/05	12:30	626.08	7.08	0.84	51.3	79	
B-17M	7/21/05	13:30	626.01	7.07	1.02	55.1	6.12	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 1.1 mg/l
B-18M	7/15/05	11:00	622.56	7.12	1.30	56.7	349	Alkalinity as $CaCO_3$ = 300 mg/l Ferrous Iron = 0 mg/l
B-19M	7/21/05	9:00	617.71	7.1	1.40	53.8	17.15	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-20M	7/22/05	9:00	622.62	7.03	2.17	54.3	8.85	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0.1 mg/l
B-21M	7/25/05	13:50	618.31	6.96	1.13	56.0	74	Alkalinity as $CaCO_3$ = 440 mg/l Ferrous Iron = 0.1 mg/l
B-22M	7/25/05	12:30	619.35	7.04	1.61	67.5	16.10	Alkalinity as CaCO3 = 320 mg/l Ferrous Iron = 0.2 mg/l
B-23M	7/18/05	11:45	609.81	7.13	1.26	58.8	18.87	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-24M	7/13/05	12:10	626.12	7.04	1.27	55.3	42.31	
B-25M	7/13/05	10:00	619.31	7.07	1.02	56.0	99	
B-26M	7/8/05	10:15	618.06	7.34	1.06	54.8	4.52	
B-27M	7/14/05	10:05	626.04	6.98	1.00	55.9	10.68	
B-28M	7/11/05	12:40	622.62	6.97	1.28	54.1	138	
B-29M	7/18/05	13:10	618.31	7.08	1.31	56.4	21.67	Alkalinity as CaCO3 = 340 mg/l Ferrous Iron = 0.6 mg/l
B-31M	7/8/05	9:30	613.78	7.36	.91	54.2	0.21	
B-32M	7/19/05	8:00	619.35	7.08	1.48	51.9	16.93	Alkalinity as CaCO3 = 320 mg/l Ferrous Iron = 1 mg/l
B-33M	7/7/05	13:30	612.43	7.09	1.30	53.7	52	
B-37M	7/8/05	14:00	619.90	7.47	.71	62.5	283	
B-38M	7/11/05	13:45	609.81	7.11	1.17	53.3	41	
B-44M	7/22/05	13:15	623.29	7.49	2.19	72.6	14.04	Alkalinity as CaCO3 = 220 mg/l Ferrous Iron = 0.2 mg/l
B-45M	7/13/05	8:50	612.12	7.01	2.23	57.7	1000	
B-46M	7/13/05	9:00	613.46	7.05	1.34	51.6	43.94	
B-48M	7/21/05	11:20	625.40	7.00	0.94	53.7	18.87	Alkalinity as CaCO3 = 300 mg/l Ferrous Iron = 0 mg/l
B-49M	7/21/05	12:35	625.56	6.92	2.91	55.7	4.82	Alkalinity as CaCO3 = 260 mg/l Ferrous Iron = 0 mg/l
B-50M	7/22/05	10:20	616.47	7.00	0.845	51.0	11.47	Alkalinity as CaCO3 = 280 mg/l Ferrous Iron = mg/l
B-51M	7/22/05	11:30	616.48	7.03	0.950	54.2	8.99	Alkalinity as CaCO3 = 320 mg/l Ferrous Iron = 0 mg/l
B-52M	7/7/05	4:15	616.26	7.72	1.39	53.1	19.76	
B-53M	7/7/05	12:10	616.14	7.4	1.16	54.1	10.15	
B-54M	7/7/05	9:40	616.00	12.2	1.42	53.2	17.82	
B-55M	7/7/05	10:00	615.59	8.27	3.72	53.7	11.59	
B-56M	7/19/05	9:30	617.78	7.13	1.48	50.3	23.10	Alkalinity as CaCO3 = 300 mg/l Ferrous Iron = 0 mg/l
B-57M	4/13/05	10:45	617.80	7.05	2.42	55.4	82	
B-58M	7/13/05	10:55	617.99	7.01	1.41	56.3	6.17	
B-59M	7/20/05	8:15	625.53	6.97	1.24	54.0	83	Alkalinity as CaCO3 = 340 mg/l Ferrous Iron = 0.2 mg/l
B-60M	7/20/05	9:45	625.67	7.00	2.43	59.4	16.05	Alkalinity as CaCO3 = 280 mg/l Ferrous Iron = 0 mg/l
B-61M	7/20/05	11:00	625.72	7.11	1.12	55.7	27.5	Alkalinity as CaCO3 = 280 mg/l Ferrous Iron = 1 mg/l
B-62M	7/12/05	13:00	623.89	7.13	2.70	35.2	20.19	
B-63M	7/12/05	10:05	624.14	6.99	1.74	52.9	7.59	
B-64M	7/12/05	10:30	623.95	7.05	1.21	54.5	24.45	
B-65M	7/12/05	11:35	626.23	8.1	1.88	54.8	31.35	
B-66M	7/12/05	9:00	626.31	7.10	0.89	52.8	5.08	
B-67M	7/12/05	9:30	623.76	7.03	1.01	52.8	51	
Quarry Pond			623.76					

TABLE 8
MONITORING WELL GROUNDWATER SAMPLING DATA - OCTOBER 2005
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	10/5/05	915		6.12	1.29	62.1	28.88	
P-3	10/5/05	1020		6.57	1.67	58.0	7.89	
P-4	10/5/05	1030		6.17	1.43	55.9	4.51	
PW-1	10/3/05	845		6.8	1.14	54.6	6.69	
PW-3	10/5/05	1000		6.35	1.30	65.7	6.46	
B3-M								
B4-M								
B5-M								
B-6M	10/5/05	1050		6.62	1.11	55.0	576	
B-7M								
B-8M	10/24/05	1405		6.79	2.93	56.3	568	
B-9M	10/24/05	1230		6.80	0.21	52.6	307	
B-10M	10/24/05	1315		6.9	1.74	55.1	42.65	
B-11M								
B-12M								
B-13M	12?20/05	1400		7.10	1.23	53.1	63	
B-14M								
B-15M								
B-16M								
B-17M	10/21/05	1225		8.55	109	58.5	88	
B-18M								
B-19M	10/20/05	1340		7.30	1.38	53.0	16.60	
B-20M								
B-21M	10/21/05	955		6.85	2.09	54.6	204	
B-22M	10/21/05	850		6.92	1.23	31.4	1	
B-23M	10/20/05	930		7.07	1.20	50.8	11.03	
B-24M	10/5/04	1240		7.02	0.65	35.8	657	
B-25M								
B-26M								
B-27M								
B-28M	10/21/05	810		6.93	1.24	51.6	111	
B-29M								
B-31M								
B-32M								
B-33M								
B-37M								
B-38M	10/21/05	1055		7.04	1.13	50.1	5	
B-39M	10/21/05	1340		7.20	1.06	55.5	0	
B-40M	10/21/05	1410		7.16	1.39	54.0	0	
B-41M	10/21/05	1340		7.08	2.25	53.4	0	
B-42M	10/20/05	1245		6.92	1.16	59.9	4.40	
B-43M	12/20/05	1445		7.10	1.95	55.4	83	
B-44M	10/21/05			7.78	2.4	55.2	104	
B-45M								
B-46M								
B-48M	10/20/05	1200		6.95	1.10	55.0	9.36	
B-49M	10/20/05	1200		6.94	2.88	53.6	28.55	
B-50M								
B-51M								
B-52M								
B-53M								
B-54M								
B-55M								
B-56M	10/20/05	1020		7.05	1.15	50.1	67	
B-57M	10/5/05	1210		7.01	2.38	53.8	96	
B-58M								
B-59M								
B-60M								
B-61M								
B-62M								
B-63M								
B-64M								
B-65M								
B-66M								
B-67M								
Quarry Pond								

TABLE 9
REVISED 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-30M			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
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 for the yearly sampling event, since it typically has had the highest TCE concentrations.
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.

APPENDIX A
VOC ANALYTICAL SUMMARY PLOTS AND GROUNDWATER ELEVATION CONTOUR MAPS – 2005

COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

B-67M	1/19/05
PCE	< 1
TCE	0.35 J
CIS	< 1
TRANS	< 1
VC	< 1.8

B-63M	1/19/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

PW-3	1/12/05
PCE	< 13
TCE	2,200 D
CIS	700
TRANS	< 16
VC	< 29

B-17M	1/18/05
PCE	< 64
TCE	7,800
CIS	9,600
TRANS	< 81
VC	1,300

B-8M	1/12/05
PCE	< 250
TCE	51,000 D
CIS	920
TRANS	< 320
VC	< 590

P-2	1/18/05
PCE	< 130
TCE	12,000
CIS	860
TRANS	< 160
VC	< 290

B-21M	1/14/05
PCE	< 1
TCE	2.5
CIS	< 1
TRANS	< 1
VC	< 1.8

B-7M	1/18/05
PCE	< 1
TCE	8.6
CIS	1.3
TRANS	< 1
VC	< 1.8

P-3	1/12/05
PCE	< 1
TCE	< 1.2
CIS	98
TRANS	2.8
VC	< 2.4

B-28M	1/14/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-29M	1/13/05
PCE	< 1
TCE	1.8
CIS	22
TRANS	< 1
VC	2.1

B-38M	1/20/05
PCE	< 1
TCE	19
CIS	74
TRANS	0.91 J
VC	< 1.8

B-22M	1/20/05
PCE	< 1
TCE	56 D
CIS	340 D
TRANS	16
VC	2.2

B-52M	1/13/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-6M	1/17/05
PCE	< 1.3
TCE	110
CIS	10
TRANS	< 1.6
VC	< 2.9

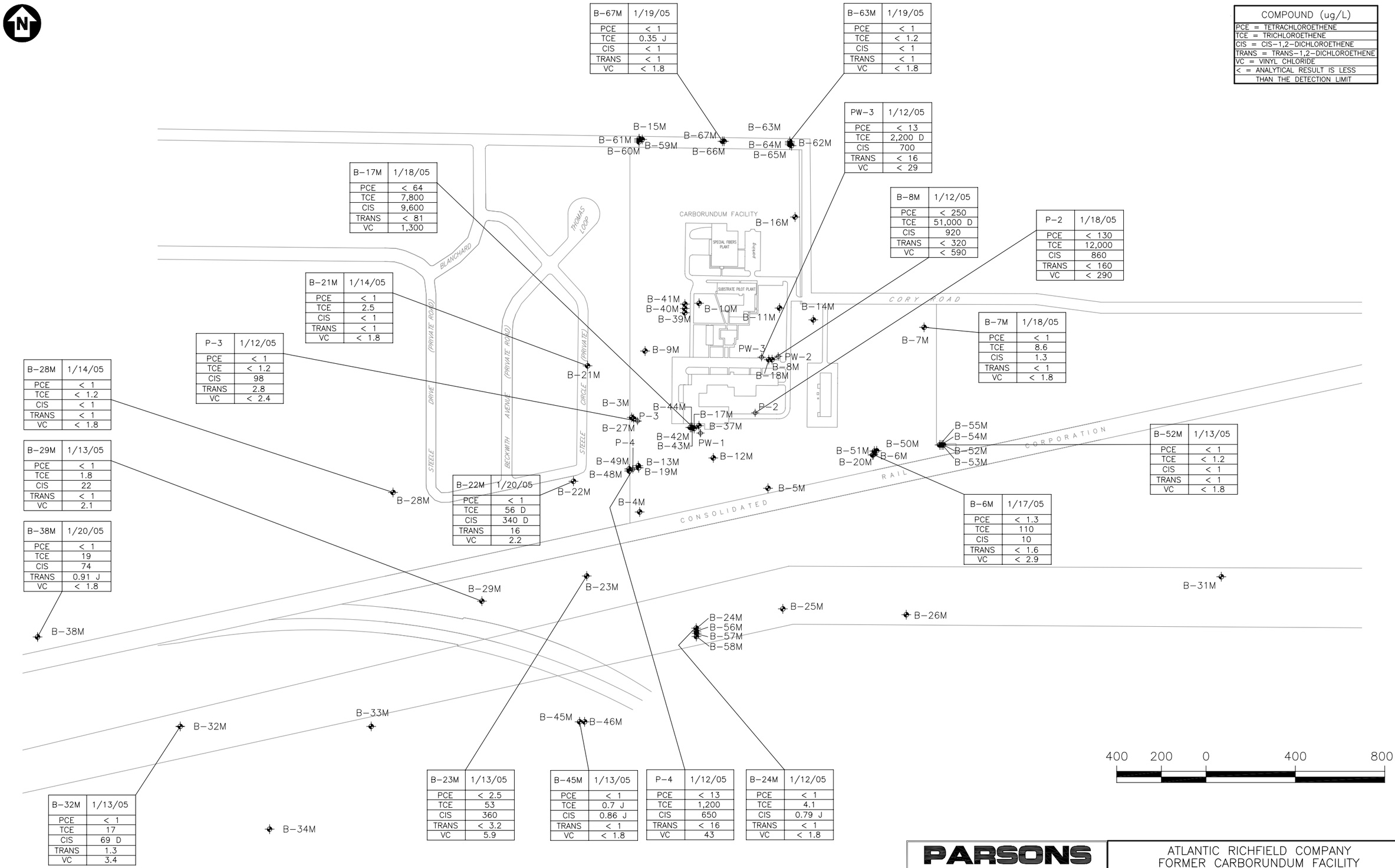
B-32M	1/13/05
PCE	< 1
TCE	17
CIS	69 D
TRANS	1.3
VC	3.4

B-23M	1/13/05
PCE	< 2.5
TCE	53
CIS	360
TRANS	< 3.2
VC	5.9

B-45M	1/13/05
PCE	< 1
TCE	0.7 J
CIS	0.86 J
TRANS	< 1
VC	< 1.8

P-4	1/12/05
PCE	< 13
TCE	1,200
CIS	650
TRANS	< 16
VC	43

B-24M	1/12/05
PCE	< 1
TCE	4.1
CIS	0.79 J
TRANS	< 1
VC	< 1.8



PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104
WILLIAMSVILLE, NEW YORK 14221
716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN TOP OF ROCK AND ZONE 1
JANUARY 2005 QUARTERLY SAMPLING EVENT

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COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

B-40M	1/12/05
PCE	< 1
TCE	0.38 J
CIS	4.8
TRANS	0.62 J
VC	< 1.8

B-41M	1/18/05
PCE	< 1
TCE	0.38 J
CIS	2
TRANS	0.75 J
VC	< 1.8

B-60M	1/19/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-61M	1/19/05
PCE	< 1
TCE	0.3 J
CIS	< 1
TRANS	< 1
VC	< 1.8

B-59M	1/19/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-66M	1/19/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-64M	1/19/05
PCE	< 1
TCE	0.3 J
CIS	< 1
TRANS	< 1
VC	< 1.8

B-65M	1/19/05
PCE	< 1
TCE	0.53 J
CIS	< 1
TRANS	< 1
VC	< 1.8

B-18M	1/12/05
PCE	< 1
TCE	< 1.2
CIS	45
TRANS	2.9
VC	9

B-39M	1/12/05
PCE	< 1
TCE	94 D
CIS	1.9
TRANS	< 1
VC	< 1.8

B-50M	1/17/05
PCE	< 1
TCE	27
CIS	12
TRANS	0.67 J
VC	< 1.8

B-55M	1/17/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-54M	1/17/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-44M	1/18/05
PCE	< 1
TCE	2.4
CIS	9.1
TRANS	0.34 J
VC	4.9

B-53M	1/13/05
PCE	< 1
TCE	3.5
CIS	2.1
TRANS	< 1
VC	1 J

B-42M	1/18/05
PCE	< 1
TCE	2.6
CIS	2.6
TRANS	0.34 J
VC	<1.8

B-43M	1/18/05
PCE	< 1
TCE	5.5
CIS	8.9
TRANS	0.82 J
VC	1.5 J

B-49M	1/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-48M	1/12/05
PCE	< 1
TCE	5
CIS	1.4
TRANS	< 1
VC	< 1.8

B-19M	1/12/05
PCE	< 1
TCE	0.41 J
CIS	3.7
TRANS	< 1
VC	0.98 J

B-20M	1/17/05
PCE	< 1
TCE	1.5
CIS	< 1
TRANS	< 1
VC	< 1.8

B-31M	1/19/05
PCE	< 1
TCE	3.2
CIS	5.3
TRANS	< 1
VC	< 1.8

B-38M	1/20/05
PCE	< 1
TCE	19
CIS	74
TRANS	0.91 J
VC	< 1.8

B-29M	1/13/05
PCE	< 1
TCE	1.8
CIS	22
TRANS	< 1
VC	2.1

B-46M	1/13/05
PCE	< 1.3
TCE	11
CIS	100
TRANS	1.8
VC	5.4

B-56M	1/13/05
PCE	< 1
TCE	110 D
CIS	22
TRANS	1.1
VC	< 1.8

B-57M	1/13/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-58M	1/13/05
PCE	< 1
TCE	1.5
CIS	< 1
TRANS	< 1
VC	< 1.8

B-61M B-15M B-59M B-60M B-66M B-67M B-63M B-64M B-65M B-62M
B-16M
CARBORUNDUM FACILITY
SPECIAL FIBERS PLANT
parking
SUBSTRATE PILOT PLANT
B-41M B-40M B-10M B-39M B-11M B-14M
B-9M B-21M B-44M B-42M B-43M B-17M P-2 B-3M B-27M P-3 B-37M PW-1 PW-3 PW-2 B-8M B-18M
B-7M
B-55M B-50M B-51M B-20M B-6M B-52M B-53M B-54M
B-12M
B-49M B-13M B-48M B-19M P-4 B-22M B-28M B-5M B-4M
B-23M
B-29M
B-24M B-56M B-57M B-58M B-25M B-26M
B-38M
B-46M B-45M
B-32M B-33M B-34M
B-31M
THOMAS LOOP
BLANCHARD
DRIVE (PRIVATE ROAD)
BECKWITH AVENUE (PRIVATE ROAD)
STEELE CIRCLE (PRIVATE)
CORY ROAD
CONSOLIDATED RAIL CORPORATION

400 200 0 400 800

PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104
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716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR ZONE 2, 3, 4 AND 5 WELLS ONLY
JANUARY 2005 QUARTERLY SAMPLING EVENT

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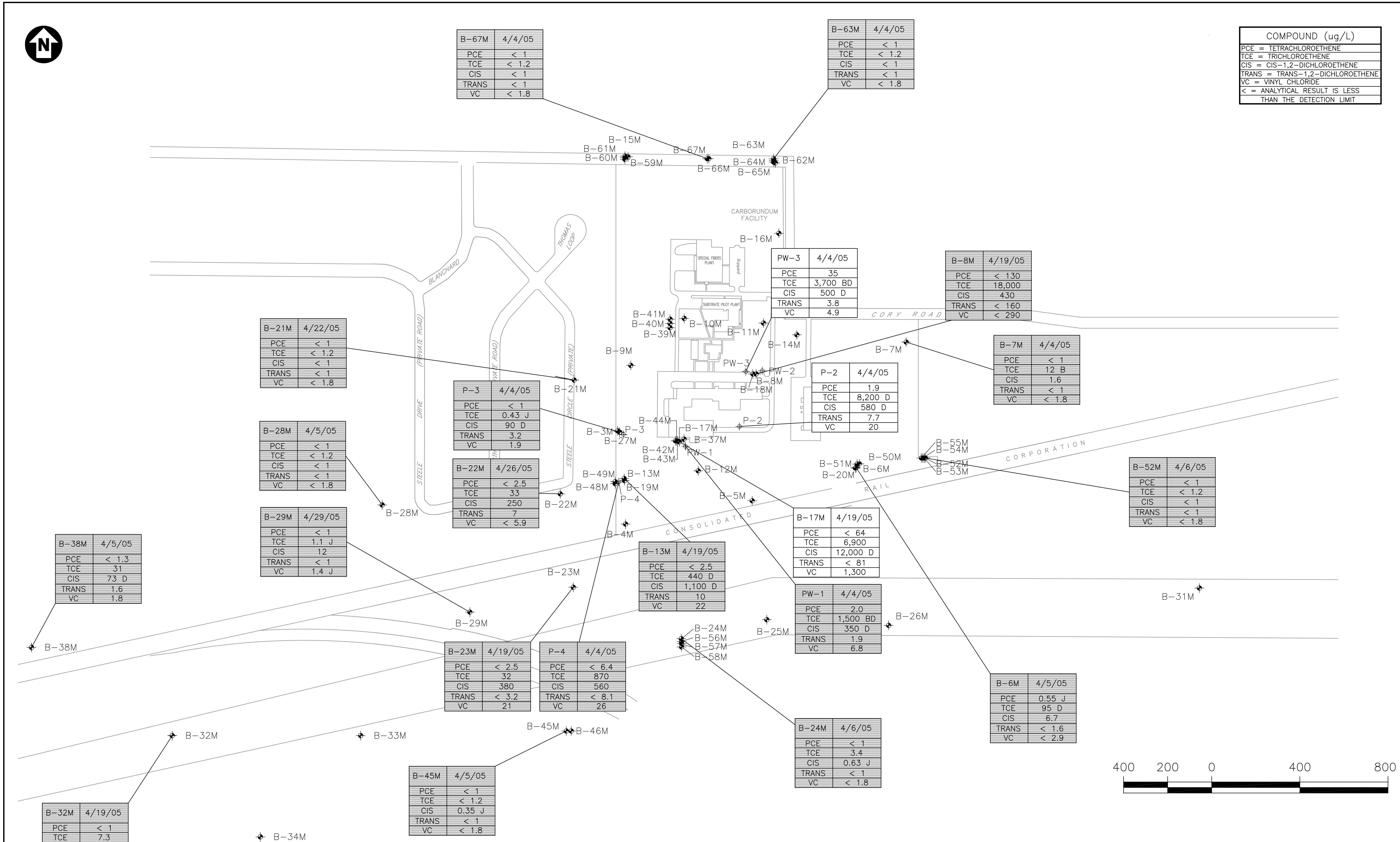

B-67M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-63M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

PW-3	4/4/05
PCE	35
TCE	3,700 BD
CIS	500 D
TRANS	3.8
VC	4.9

B-8M	4/19/05
PCE	< 130
TCE	18,000
CIS	430
TRANS	< 160
VC	< 290

B-21M	4/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-7M	4/4/05
PCE	< 1
TCE	12 B
CIS	1.6
TRANS	< 1
VC	< 1.8

P-2	4/4/05
PCE	1.9
TCE	8,200 D
CIS	580 D
TRANS	7.7
VC	20

P-3	4/4/05
PCE	< 1
TCE	0.43 J
CIS	90 D
TRANS	3.2
VC	1.9

B-28M	4/5/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-22M	4/26/05
PCE	< 2.5
TCE	33
CIS	250
TRANS	7
VC	< 5.9

B-52M	4/6/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-29M	4/29/05
PCE	< 1
TCE	1.1 J
CIS	12
TRANS	< 1
VC	1.4 J

B-17M	4/19/05
PCE	< 64
TCE	6,900
CIS	12,000 D
TRANS	< 81
VC	1,300

B-38M	4/5/05
PCE	< 1.3
TCE	31
CIS	73 D
TRANS	1.6
VC	1.8

B-13M	4/19/05
PCE	< 2.5
TCE	440 D
CIS	1,100 D
TRANS	10
VC	22

PW-1	4/4/05
PCE	2.0
TCE	1,500 BD
CIS	350 D
TRANS	1.9
VC	6.8

B-23M	4/19/05
PCE	< 2.5
TCE	32
CIS	380
TRANS	< 3.2
VC	21

P-4	4/4/05
PCE	< 6.4
TCE	870
CIS	560
TRANS	< 8.1
VC	26

B-6M	4/5/05
PCE	0.55 J
TCE	95 D
CIS	6.7
TRANS	< 1.6
VC	< 2.9

B-24M	4/6/05
PCE	< 1
TCE	3.4
CIS	0.63 J
TRANS	< 1
VC	< 1.8

B-45M	4/5/05
PCE	< 1
TCE	< 1.2
CIS	0.35 J
TRANS	< 1
VC	< 1.8

B-32M	4/19/05
PCE	< 1
TCE	7.3
CIS	34 D
TRANS	0.40 J
VC	3.9

COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN TOP OF ROCK AND ZONE 1
APRIL 2005 QUARTERLY SAMPLING EVENT

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COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

B-60M	4/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-61M	4/25/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-59M	4/25/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-66M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-64M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-41M	4/26/05
PCE	< 1
TCE	< 1.2
CIS	3.8
TRANS	1.3
VC	< 1.8

B-40M	4/24/05
PCE	< 1
TCE	0.30 J
CIS	4.3
TRANS	0.60 J
VC	< 1.8

B-62M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-10M	4/19/05
PCE	< 1
TCE	40 D
CIS	6
TRANS	0.49 J
VC	< 1.8

B-65M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-39M	4/26/05
PCE	< 1
TCE	4.3
CIS	0.8 J
TRANS	< 1
VC	< 1.8

B-44M	4/21/05
PCE	< 1
TCE	5.8
CIS	21
TRANS	0.47 J
VC	15

B-55M	4/6/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-42M	4/26/05
PCE	< 1
TCE	3.6
CIS	5.1
TRANS	0.43 J
VC	< 1.8

B-18M	4/4/05
PCE	< 1
TCE	< 1.2
CIS	72
TRANS	4.7
VC	11

B-54M	4/6/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-53M	4/6/05
PCE	< 1
TCE	2.1
CIS	1.8
TRANS	< 1
VC	< 1.8

B-49M	4/21/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-43M	4/21/05
PCE	< 1
TCE	34 D
CIS	10
TRANS	0.83 J
VC	< 1.8

B-38M	4/5/05
PCE	< 1.3
TCE	31
CIS	73 D
TRANS	1.6
VC	1.8

B-28M	4/5/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-48M	4/21/05
PCE	< 1
TCE	4.6
CIS	1
TRANS	< 1
VC	< 1.8

B-50M	4/19/05
PCE	< 1
TCE	55 D
CIS	16
TRANS	1.1
VC	< 1.8

B-51M	4/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-31M	4/5/05
PCE	< 1
TCE	0.64 J
CIS	2.4
TRANS	< 1
VC	< 1.8

B-19M	4/4/05
PCE	< 1
TCE	0.32 BJ
CIS	3.7
TRANS	< 1
VC	0.75 J

B-46M	4/5/05
PCE	< 1.0
TCE	< 1.2
CIS	1.8
TRANS	< 1
VC	< 1.8

B-58M	4/6/05
PCE	< 1
TCE	0.69 J
CIS	< 1
TRANS	< 1
VC	< 1.8

B-20M	4/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-56M	4/22/05
PCE	< 1
TCE	63
CIS	9.9
TRANS	7 J
VC	< 1.8

B-57M	4/6/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-15M, B-61M, B-60M, B-59M, B-67M, B-63M, B-66M, B-64M, B-62M, B-65M, B-16M, B-41M, B-40M, B-39M, B-10M, B-11M, B-14M, B-7M, B-9M, B-21M, PW-3, PW-2, B-8M, B-18M, B-44M, P-2, B-3M, P-3, B-27M, B-17M, B-37M, PW-1, B-42M, B-43M, B-12M, B-50M, B-51M, B-20M, B-6M, B-55M, B-54M, B-52M, B-53M, B-49M, B-13M, B-48M, B-19M, P-4, B-22M, B-5M, B-4M, B-28M, B-23M, B-29M, B-38M, B-24M, B-56M, B-57M, B-58M, B-25M, B-26M, B-31M, B-32M, B-33M, B-45M, B-46M, B-34M

CARBORUNDUM FACILITY

SPECIAL FIBERS PLANT

parking

SUBSTRATE PILOT PLANT

CORY ROAD

TEXAS LOOP

BUCHARD

DRIVE (PRIVATE ROAD)

AVENUE (PRIVATE ROAD)

CIRCLE (PRIVATE)

BECKWITH

TEELE

CONSOLIDATED RAIL CORPORATION

400 200 0 400 800

PARSONS
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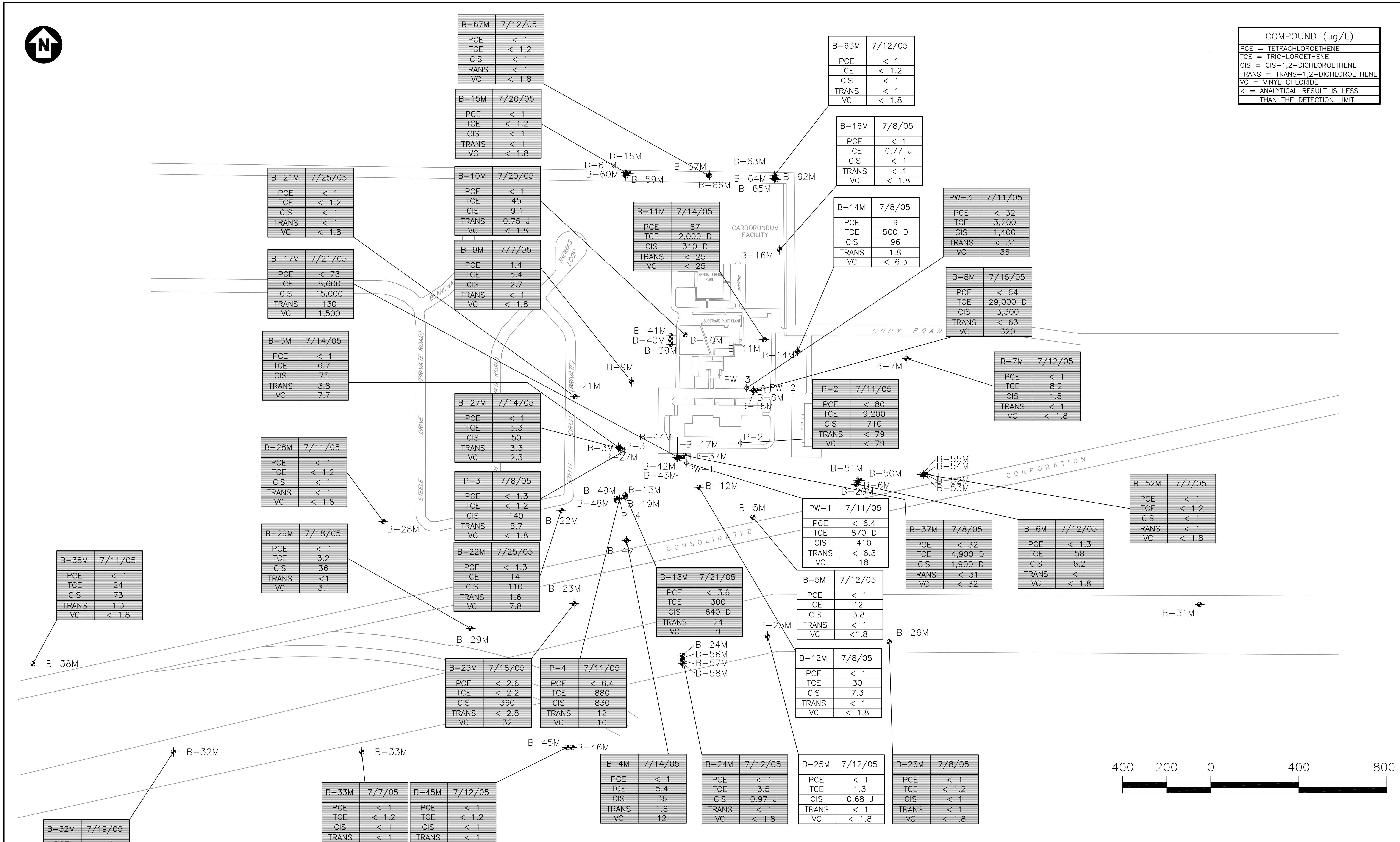
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR ZONE 2, 3, 4, AND 5 WELLS ONLY
APRIL 2005 QUARTERLY SAMPLING EVENT

P:\441563\CAD\SK-441563-C043.dwg, 02/20/06 at 14:35, MAB, 1=1
No XREFs

COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT



Well	Date	PCE	TCE	CIS	TRANS	VC
B-67M	7/12/05	< 1	< 1.2	< 1	< 1	< 1.8
B-15M	7/20/05	< 1	< 1.2	< 1	< 1	< 1.8
B-21M	7/25/05	< 1	< 1.2	< 1	< 1	< 1.8
B-10M	7/20/05	< 1	45	9.1	0.75 J	< 1.8
B-11M	7/14/05	87	2,000 D	310 D	< 25	< 25
B-63M	7/12/05	< 1	< 1.2	< 1	< 1	< 1.8
B-16M	7/8/05	< 1	0.77 J	< 1	< 1	< 1.8
B-14M	7/8/05	9	500 D	96	1.8	< 6.3
PW-3	7/11/05	< 32	3,200	1,400	< 31	36
B-17M	7/21/05	< 73	8,600	15,000	130	1,500
B-9M	7/7/05	1.4	5.4	2.7	< 1	< 1.8
B-8M	7/15/05	< 64	29,000 D	3,300	< 63	320
B-3M	7/14/05	< 1	6.7	75	3.8	7.7
B-7M	7/12/05	< 1	8.2	1.8	< 1	< 1.8
P-2	7/11/05	< 80	9,200	710	< 79	< 79
B-27M	7/14/05	< 1	5.3	50	3.3	2.3
B-28M	7/11/05	< 1	< 1.2	< 1	< 1	< 1.8
P-3	7/8/05	< 1.3	< 1.2	140	5.7	< 1.8
B-52M	7/7/05	< 1	< 1.2	< 1	< 1	< 1.8
PW-1	7/11/05	< 6.4	870 D	410	< 6.3	18
B-37M	7/8/05	< 32	4,900 D	1,900 D	< 31	< 32
B-6M	7/12/05	< 1.3	58	6.2	< 1	< 1.8
B-29M	7/18/05	< 1	3.2	36	<1	3.1
B-22M	7/25/05	< 1.3	14	110	1.6	7.8
B-38M	7/11/05	< 1	24	73	1.3	< 1.8
B-13M	7/21/05	< 3.6	300	640 D	24	9
B-5M	7/12/05	< 1	12	3.8	< 1	<1.8
B-12M	7/8/05	< 1	30	7.3	< 1	< 1.8
B-23M	7/18/05	< 2.6	< 2.2	360	< 2.5	32
P-4	7/11/05	< 6.4	880	830	12	10
B-4M	7/14/05	< 1	5.4	36	1.8	12
B-24M	7/12/05	< 1	3.5	0.97 J	< 1	< 1.8
B-25M	7/12/05	< 1	1.3	0.68 J	< 1	< 1.8
B-26M	7/8/05	< 1	< 1.2	< 1	< 1	< 1.8
B-33M	7/7/05	< 1	< 1.2	< 1	< 1	< 1.8
B-45M	7/12/05	< 1	< 1.2	< 1	< 1	< 1.8
B-32M	7/19/05	< 1	< 1.2	39	1.1	10

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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN TOP OF ROCK AND ZONE 1
JULY 2005 QUARTERLY SAMPLING EVENT

COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

B-60M	7/20/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-61M	7/20/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-59M	7/20/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-66M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-64M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-62M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-65M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-40M	7/26/05
PCE	< 1
TCE	< 1.2
CIS	2.1
TRANS	< 1
VC	< 1.8

B-41M	7/26/05
PCE	< 1
TCE	< 1.2
CIS	2.9
TRANS	1.2
VC	< 1.8

B-39M	7/26/05
PCE	< 1
TCE	8.5
CIS	3.3
TRANS	< 1
VC	< 1.8

B-44M	7/22/05
PCE	< 1
TCE	3.6
CIS	14
TRANS	< 1
VC	5.5

B-42M	7/26/05
PCE	< 1
TCE	3.9
CIS	8.2
TRANS	1
VC	< 1.8

B-18M	7/15/05
PCE	< 1
TCE	< 1.2
CIS	75 D
TRANS	6.6
VC	32

B-49M	7/21/05
PCE	< 1
TCE	2.6
CIS	0.51 J
TRANS	< 1
VC	< 1.8

B-28M	4/5/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-48M	7/21/05
PCE	< 1
TCE	5.6
CIS	1.6
TRANS	< 1
VC	< 1.8

B-19M	7/21/05
PCE	< 1
TCE	< 1.2
CIS	6.3
TRANS	< 1
VC	1 J

B-20M	7/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-38M	7/11/05
PCE	< 1
TCE	24
CIS	73
TRANS	1.3
VC	< 1.8

B-29M	7/18/05
PCE	< 1
TCE	3.2
CIS	36
TRANS	< 1
VC	3.1

B-58M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-56M	7/19/05
PCE	< 1
TCE	78
CIS	14
TRANS	0.95 J
VC	< 1.8

B-57M	7/12/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-46M	7/12/05
PCE	< 1
TCE	8.2
CIS	82
TRANS	1.6
VC	5.6

B-55M	7/7/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-54M	7/7/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-53M	7/7/05
PCE	< 1
TCE	1.8
CIS	1.9
TRANS	< 1
VC	< 1.8

B-43M	7/26/05
PCE	< 1
TCE	79
CIS	17
TRANS	1.6
VC	< 1.8

B-50M	7/22/05
PCE	< 1
TCE	51
CIS	15
TRANS	1.2
VC	< 1.8

B-51M	7/22/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-31M	7/8/05
PCE	< 1
TCE	2.3
CIS	6.6
TRANS	< 1
VC	< 1.8

B-15M, B-61M, B-60M, B-59M, B-67M, B-66M, B-63M, B-64M, B-65M, B-62M, B-16M, B-41M, B-40M, B-39M, B-10M, B-11M, B-14M, B-7M, B-9M, B-21M, PW-3, PW-2, B-8M, B-18M, B-44M, P-2, B-3M, P-3, B-27M, B-17M, B-37M, PW-1, B-42M, B-43M, B-12M, B-50M, B-51M, B-20M, B-6M, B-55M, B-54M, B-52M, B-53M, B-49M, B-13M, B-48M, B-19M, P-4, B-22M, B-5M, B-28M, B-4M, B-23M, B-29M, B-38M, B-58M, B-24M, B-56M, B-57M, B-25M, B-26M, B-31M, B-45M, B-46M, B-32M, B-33M, B-34M

CARBORUNDUM FACILITY

SPECIAL FIBERS PLANT

parking

SUBSTRATE PILOT PLANT

THOMA LOOP

BUCHARD

DRIVE (PRIVATE ROAD)

AVENUE (PRIVATE ROAD)

CIRCLE (PRIVATE)

BECKWITH

TEELE

CORY ROAD

RAIL

SOLIDATED

400 200 0 400 800

PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104
WILLIAMSVILLE, NEW YORK 14221
716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR ZONE 2, 3, 4, AND 5 WELLS ONLY
JULY 2005 QUARTERLY SAMPLING EVENT

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COMPOUND (ug/L)
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TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT

B-21M	10/21/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

B-10M	10/24/05
PCE	< 1
TCE	55 BD
CIS	11
TRANS	0.63 J
VC	< 1.8

B-9M	10/24/05
PCE	< 1
TCE	1.3 B
CIS	< 1
TRANS	< 1
VC	< 1.8

B-17M	10/21/05
PCE	0.98 J
TCE	8,900 D
CIS	9,500 D
TRANS	< 66
VC	1,000 D

PW-3	10/5/05
PCE	< 7.3
TCE	1,500
CIS	800
TRANS	< 6.6
VC	< 4.8

B-8M	10/24/05
PCE	5.4
TCE	56,000 BD
CIS	880 D
TRANS	13
VC	42

P-2	10/5/05
PCE	< 36
TCE	5,400
CIS	530
TRANS	< 33
VC	< 24

B-28M	10/21/05
PCE	< 1
TCE	< 1.2
CIS	< 1
TRANS	< 1
VC	< 1.8

P-3	10/5/05
PCE	< 1.4
TCE	< 1.3
CIS	120 D
TRANS	6
VC	< 1.8

PW-1	10/5/05
PCE	< 7.3
TCE	1,300
CIS	390
TRANS	< 6.6
VC	13

B-6M	10/5/05
PCE	< 1
TCE	97
CIS	22
TRANS	0.64 J
VC	1.1 J

B-22M	10/21/05
PCE	< 1
TCE	3.9
CIS	36
TRANS	0.61 J
VC	1.2 J

B-38M	10/21/05
PCE	< 1
TCE	27
CIS	78
TRANS	1
VC	1.8

B-13M	10/20/05
PCE	< 7.3
TCE	210
CIS	640 D
TRANS	20
VC	22 D

B-23M	10/20/05
PCE	< 3.6
TCE	< 3.2
CIS	370 D
TRANS	< 3.3
VC	61

P-4	10/5/05
PCE	< 9.1
TCE	910 D
CIS	1,200 D
TRANS	16
VC	< 6.1

B-24M	10/5/05
PCE	< 1
TCE	1.5
CIS	< 1
TRANS	< 1
VC	< 1.8

B-15M, B-61M, B-60M, B-59M, B-67M, B-63M, B-66M, B-64M, B-65M, B-62M, B-16M, B-41M, B-40M, B-39M, B-10M, B-11M, B-14M, B-7M, B-9M, B-21M, PW-3, PW-2, B-8M, B-18M, P-2, B-44M, B-3M, P-3, B-27M, B-17M, B-37M, B-42M, B-43M, PW-1, B-51M, B-50M, B-6M, B-20M, B-55M, B-54M, B-52M, B-53M, B-12M, B-49M, B-48M, B-13M, B-19M, P-4, B-5M, B-22M, B-4M, B-28M, B-38M, B-23M, B-29M, B-25M, B-26M, B-24M, B-56M, B-57M, B-58M, B-31M, B-45M, B-46M, B-32M, B-33M, B-34M

CARBORUNDUM FACILITY

SPECIAL FIBERS PLANT

parking

SUBSTRATE PILOT PLANT

THOMAS LOOP

BLANCHARD DRIVE (PRIVATE ROAD)

STEELE AVENUE (PRIVATE ROAD)

STEELE CIRCLE (PRIVATE)

CORY ROAD

CONSOLIDATED CORPORATION

400 200 0 400 800

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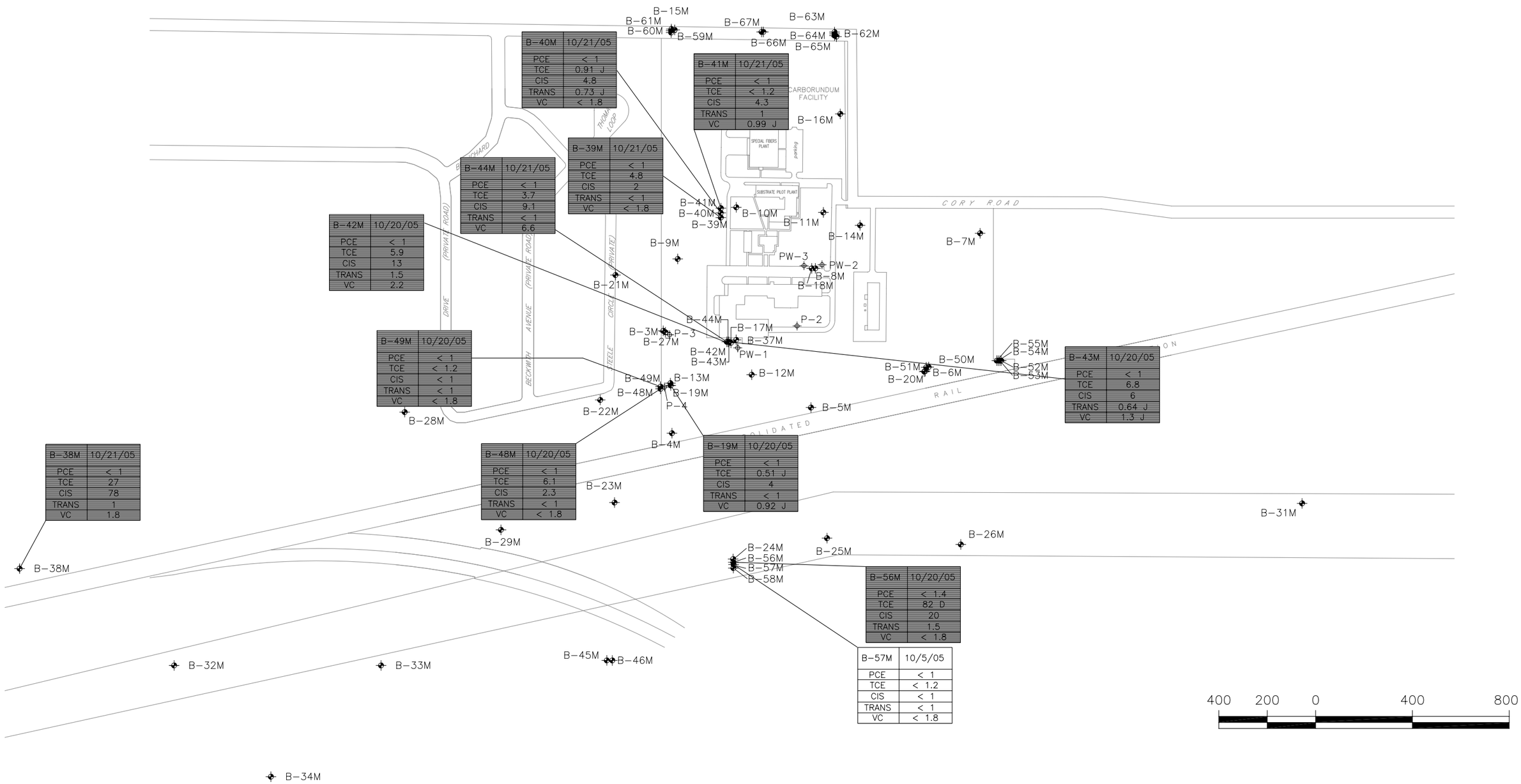
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN TOP OF ROCK AND ZONE 1
OCTOBER 2005 QUARTERLY SAMPLING EVENT

COMPOUND (ug/L)
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
CIS = CIS-1,2-DICHLOROETHENE
TRANS = TRANS-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
< = ANALYTICAL RESULT IS LESS THAN THE DETECTION LIMIT



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WILLIAMSVILLE, NEW YORK 14221
716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR ZONE 2, 3, 4, AND 5 WELLS ONLY
OCTOBER 2005 QUARTERLY SAMPLING EVENT

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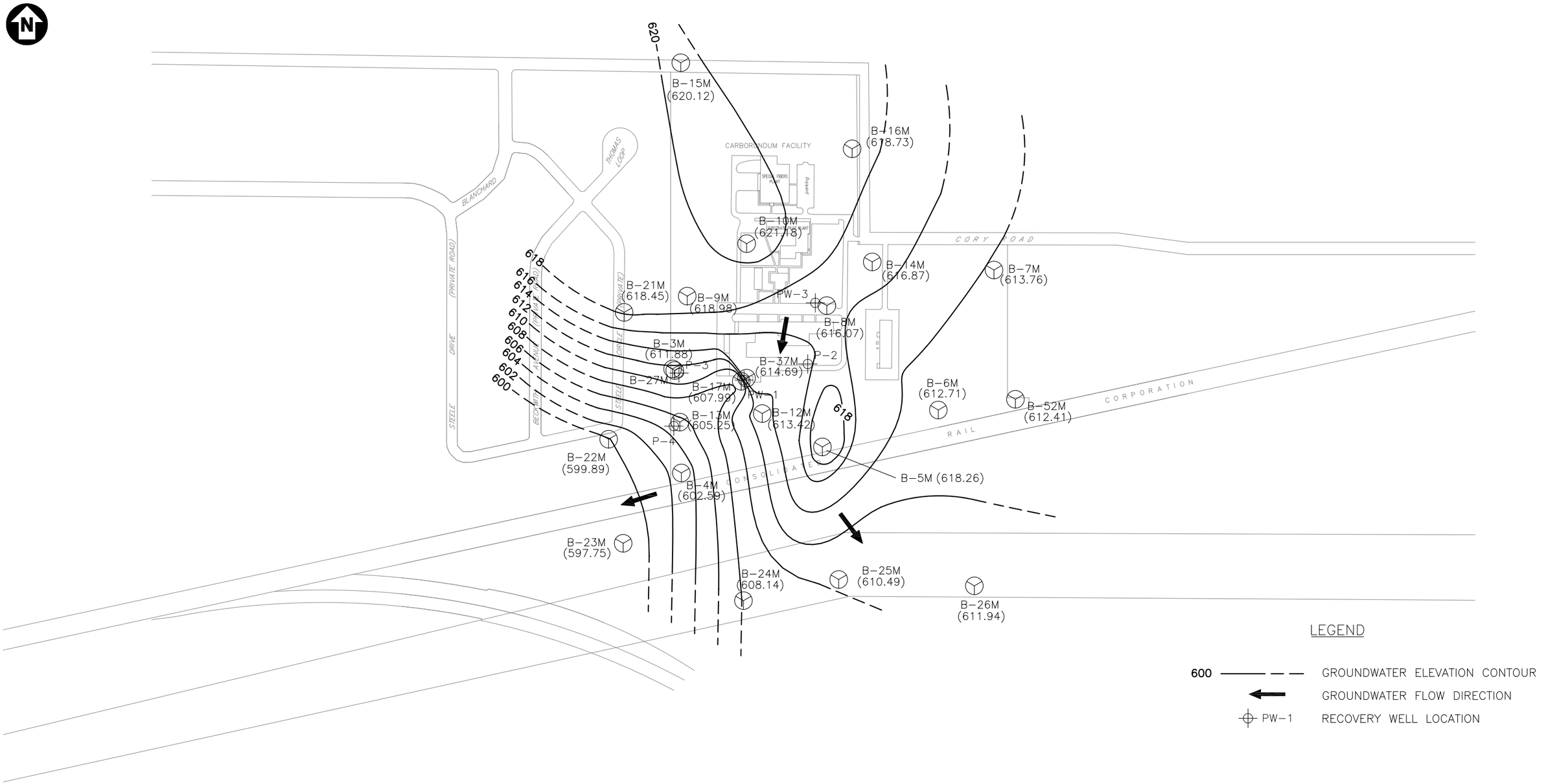

LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

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716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-JANUARY 2005

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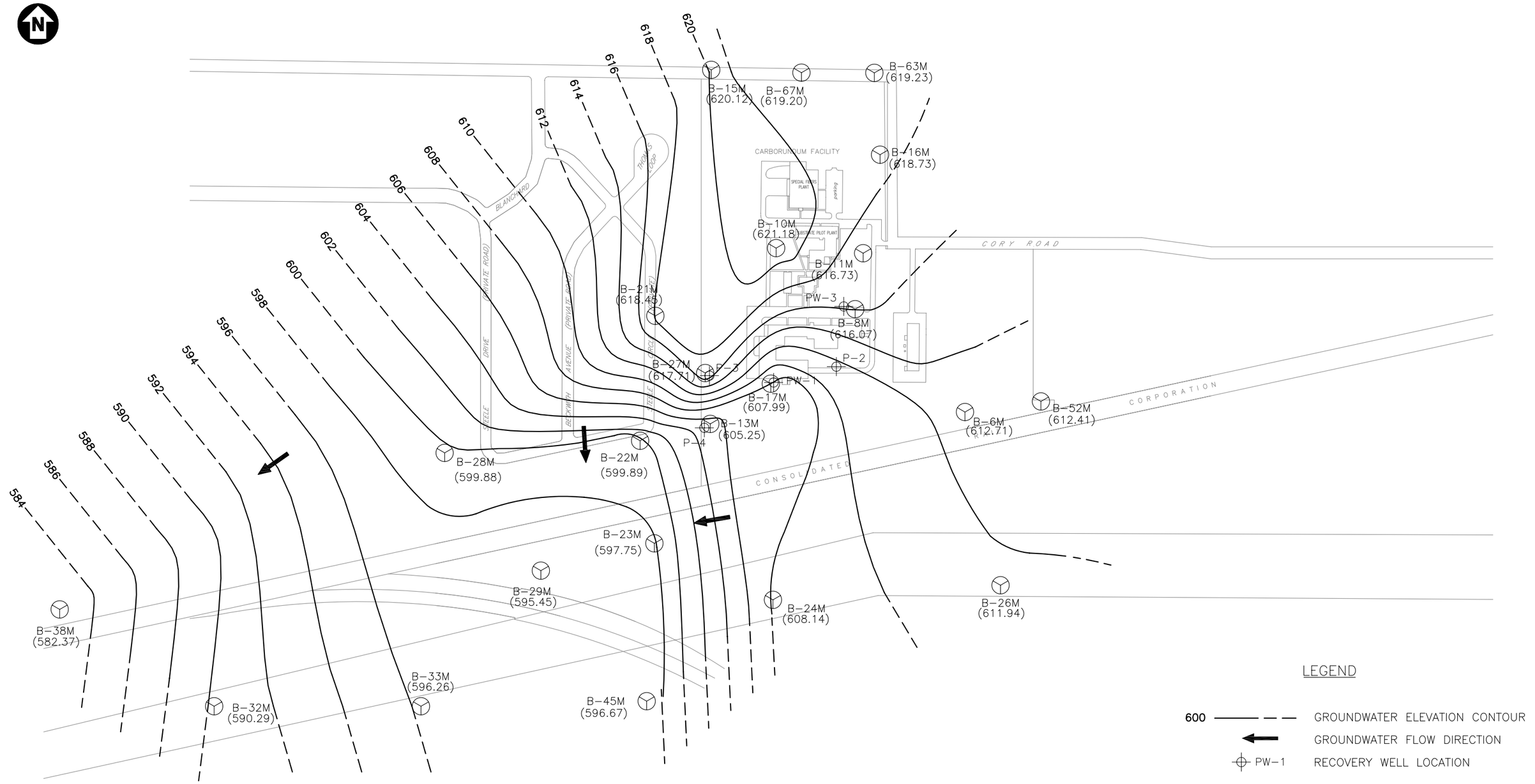

LEGEND

600 ——— — — GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTES:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-JANUARY 2005

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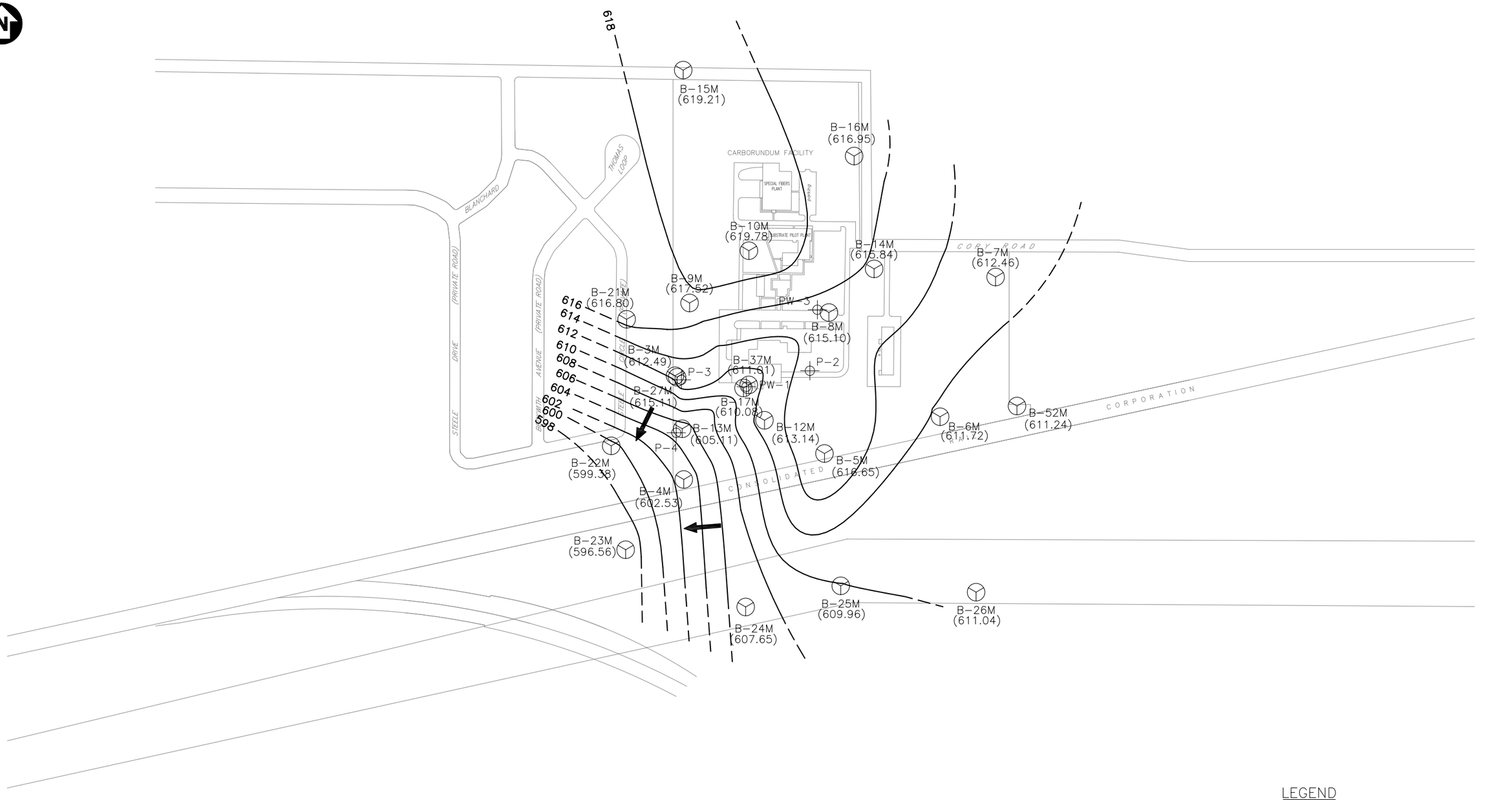

LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

NOTES:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

400 200 0 400 800

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180 LAWRENCE BELL DRIVE, SUITE 104
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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-APRIL 2005

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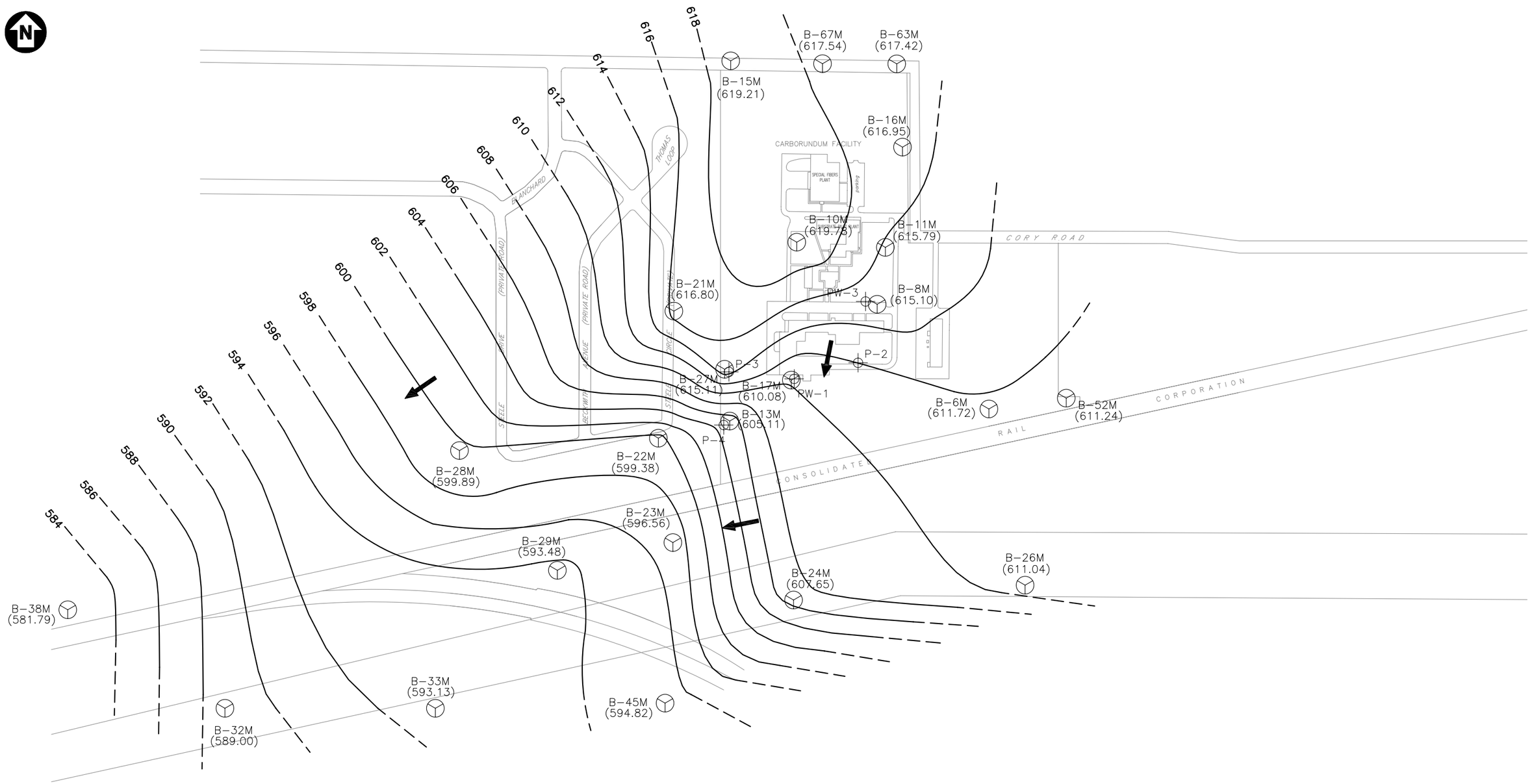

LEGEND

600 ——— — — GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

NOTE:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

400 200 0 400 800

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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-APRIL 2005

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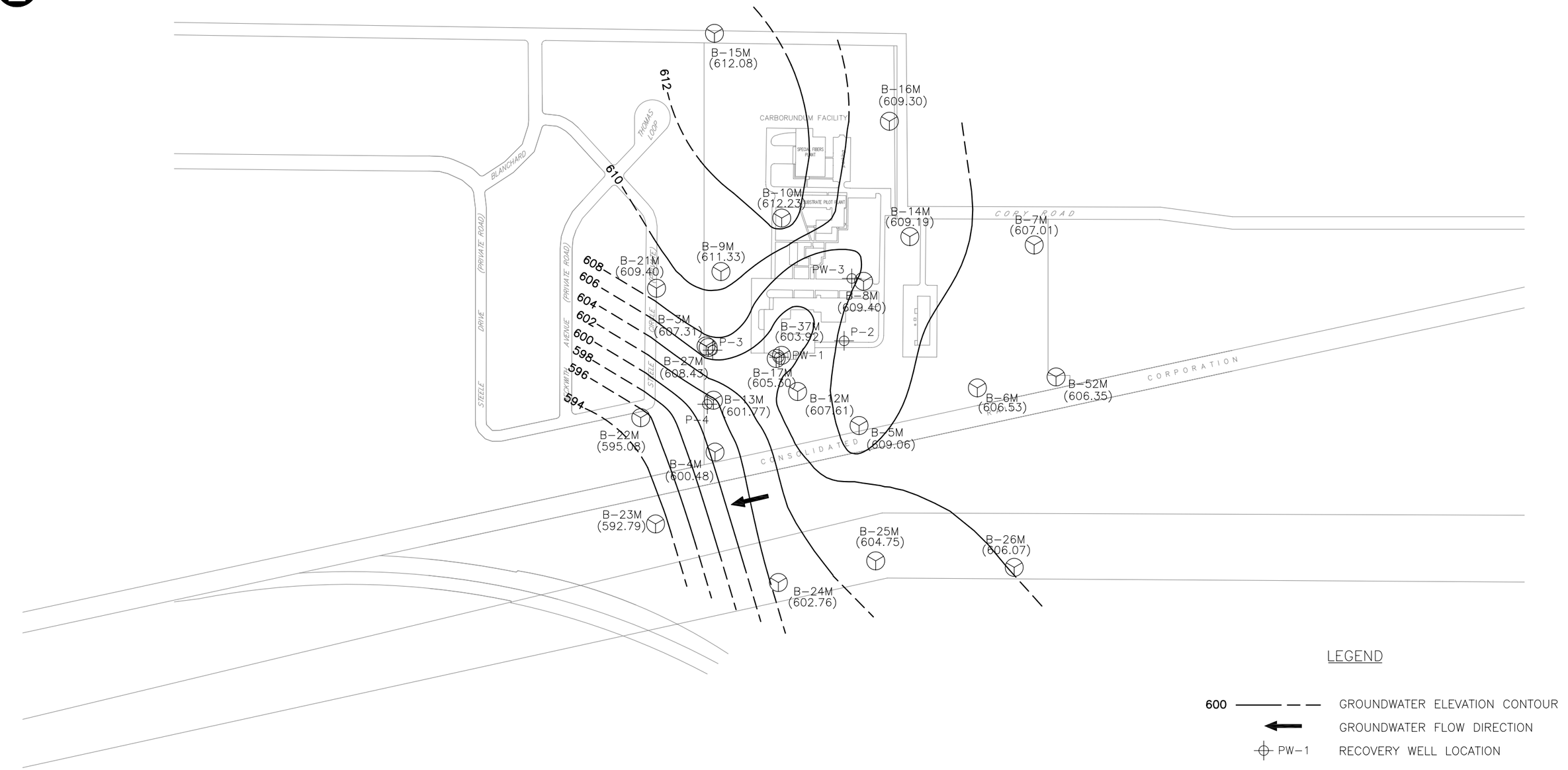

LEGEND

600 ——— — — GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTES:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

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716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-JULY 2005

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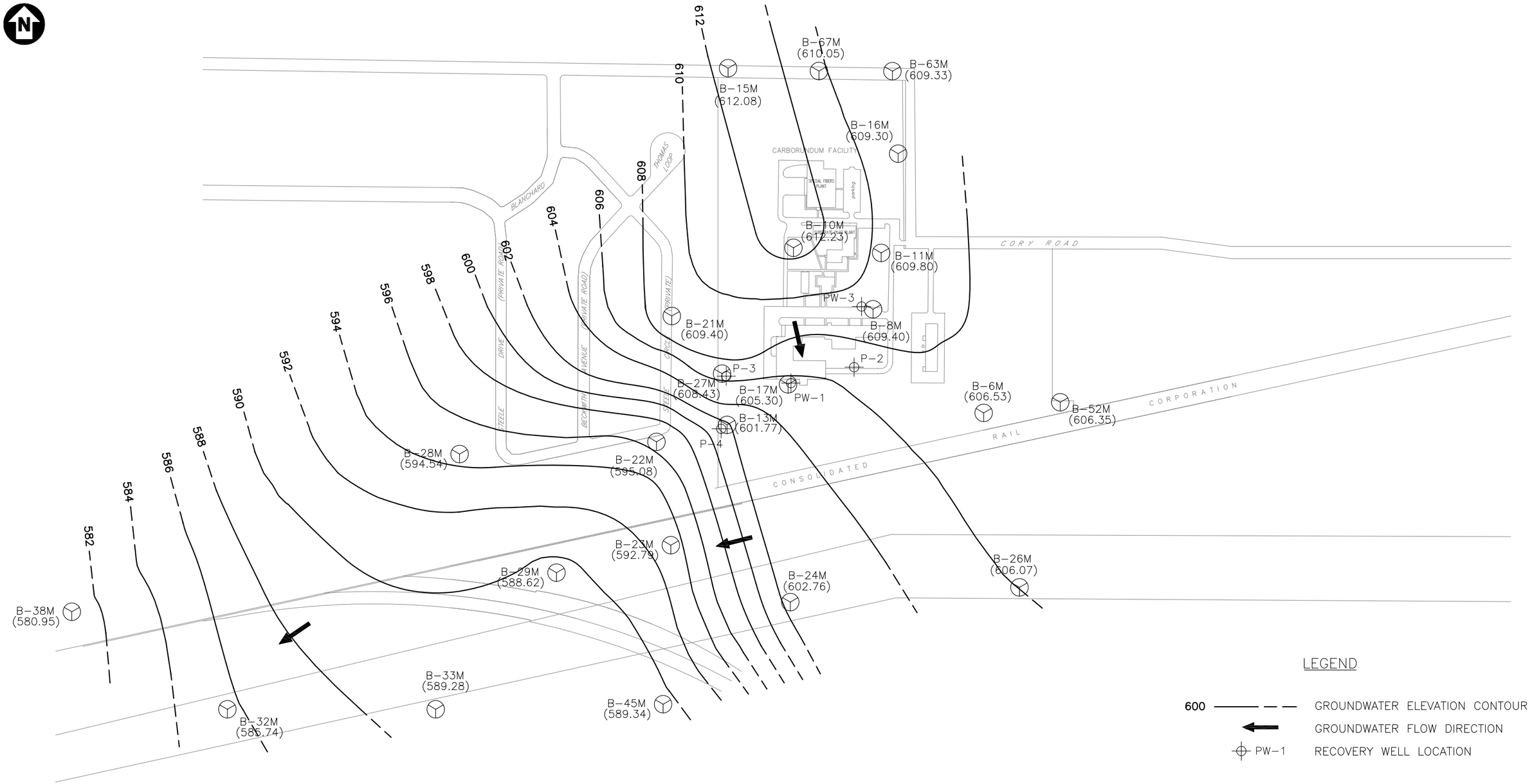

LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-JULY 2005

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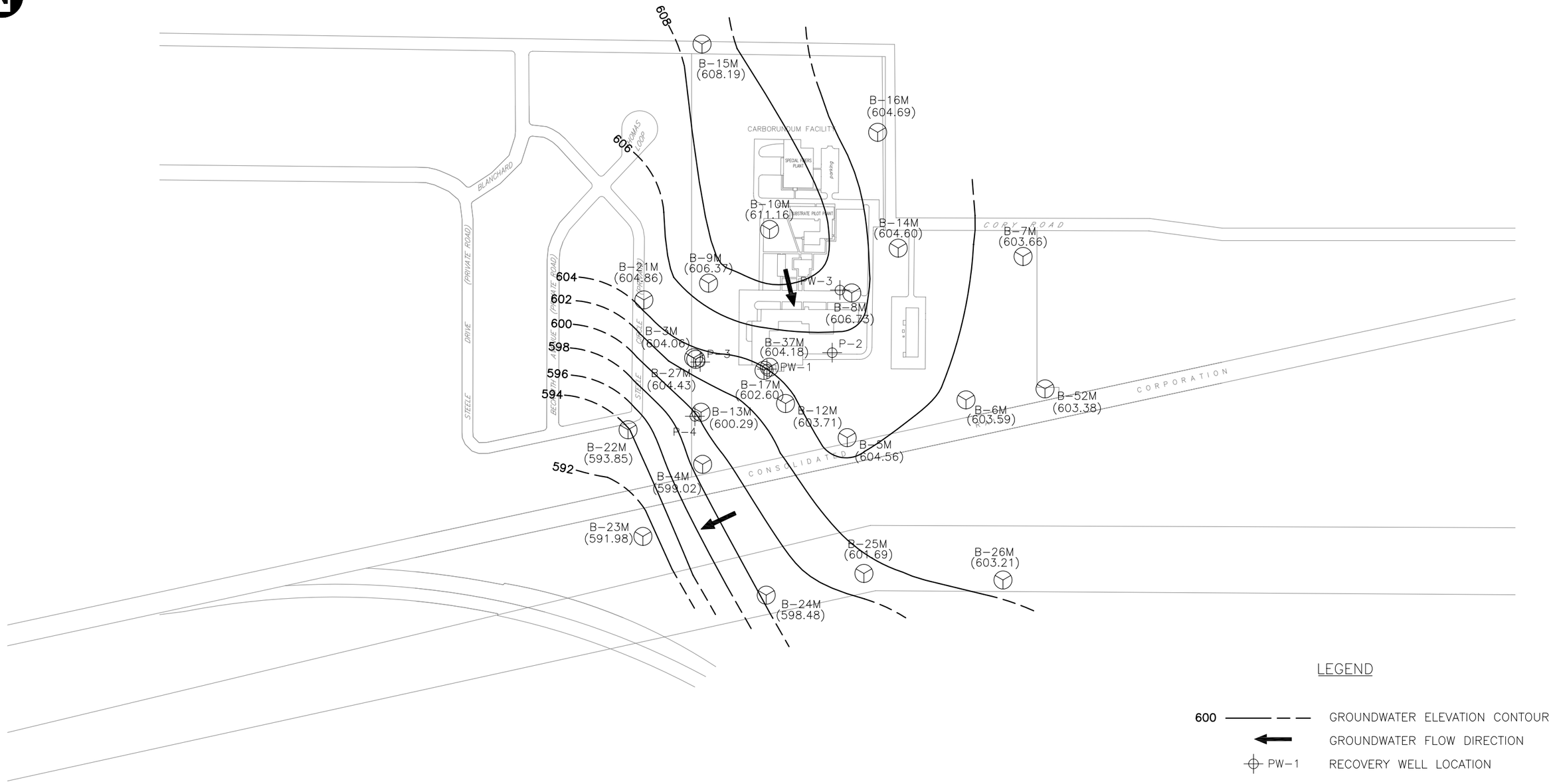

LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTES:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

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WILLIAMSVILLE, NEW YORK 14221
716-633-7074

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-OCTOBER 2005

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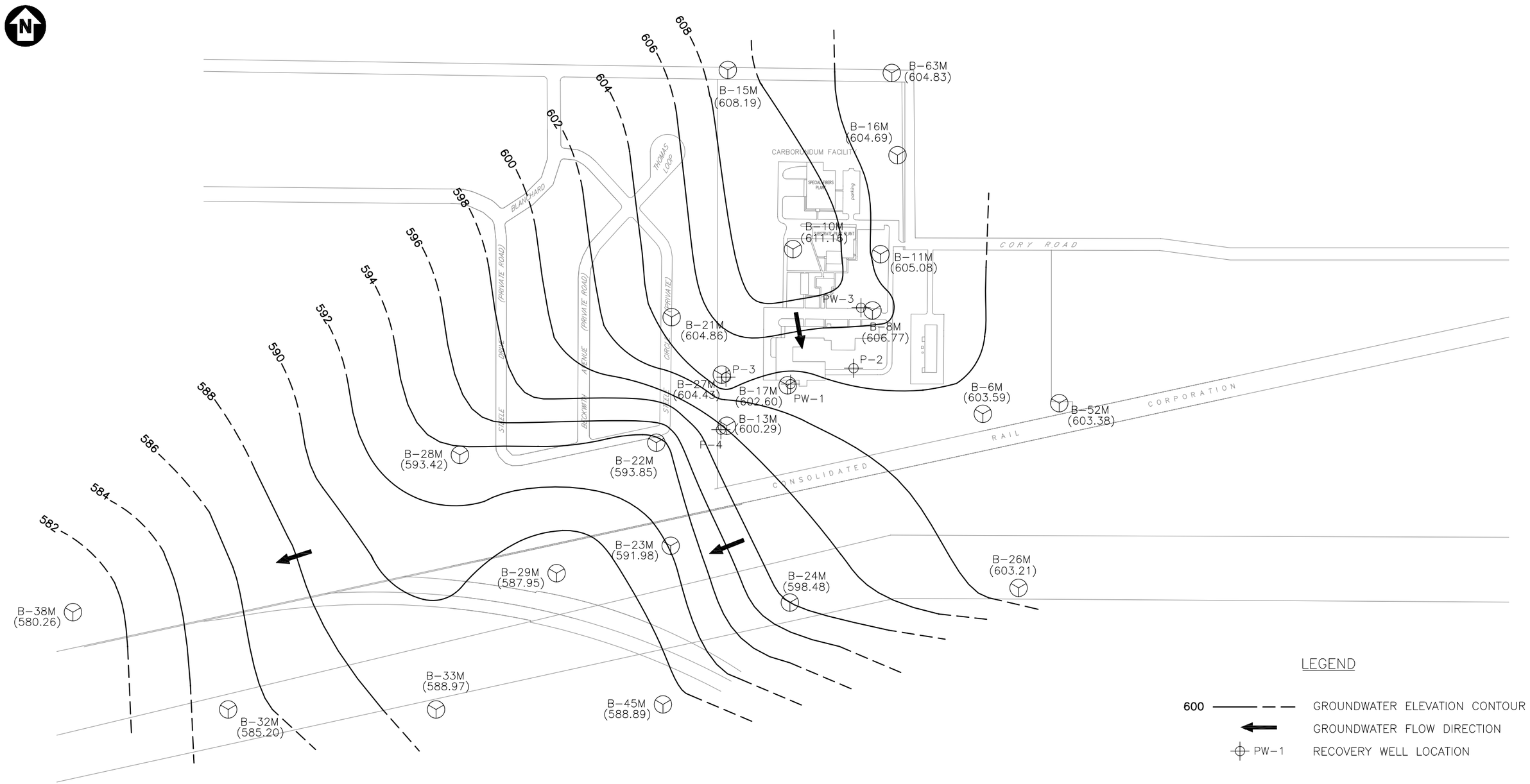

LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

PARSONS
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ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-OCTOBER 2005

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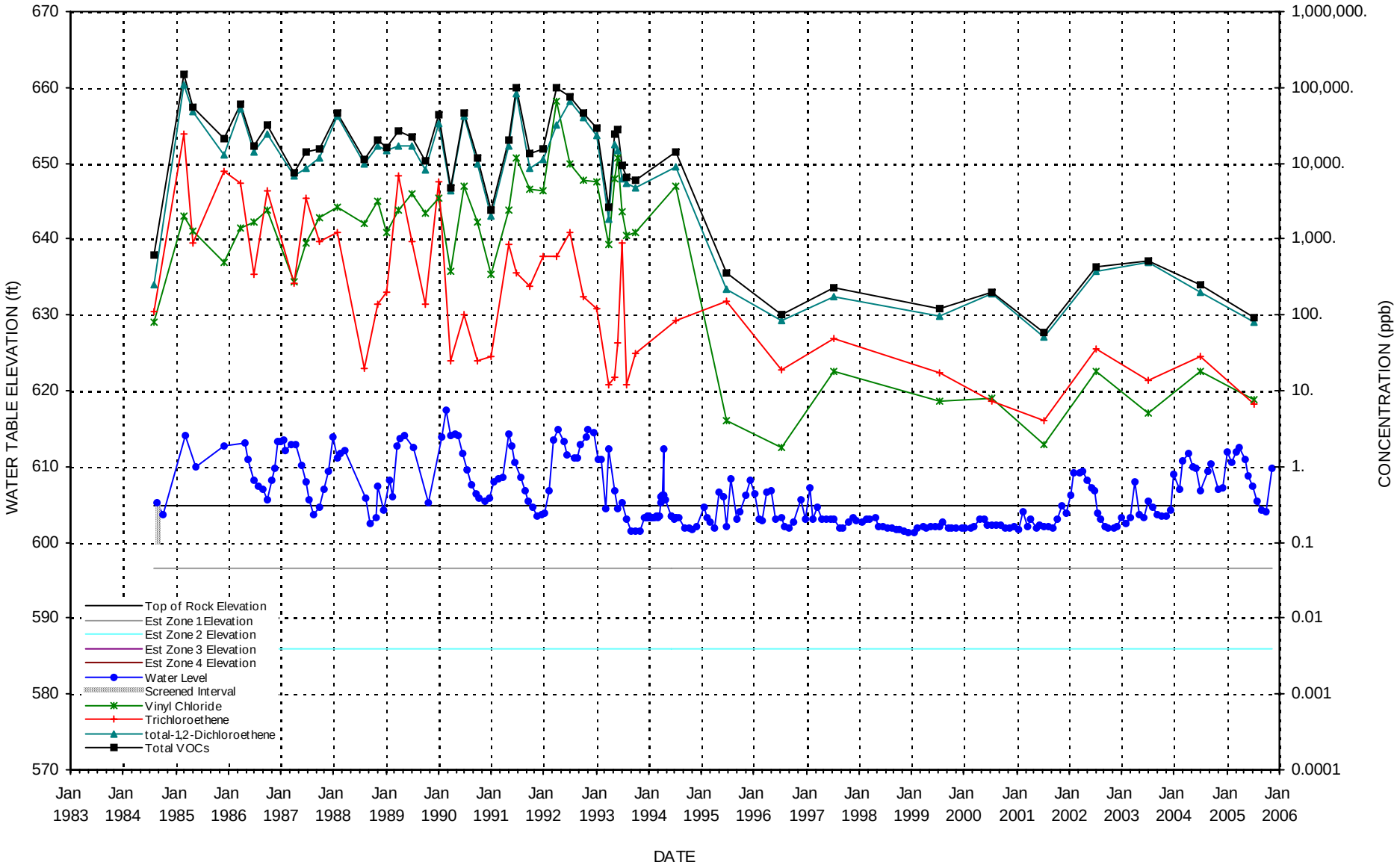
APPENDIX B
TIME SERIES PLOTS FROM WATER LEVELS AND WATER QUALITY DATABASE

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 3M



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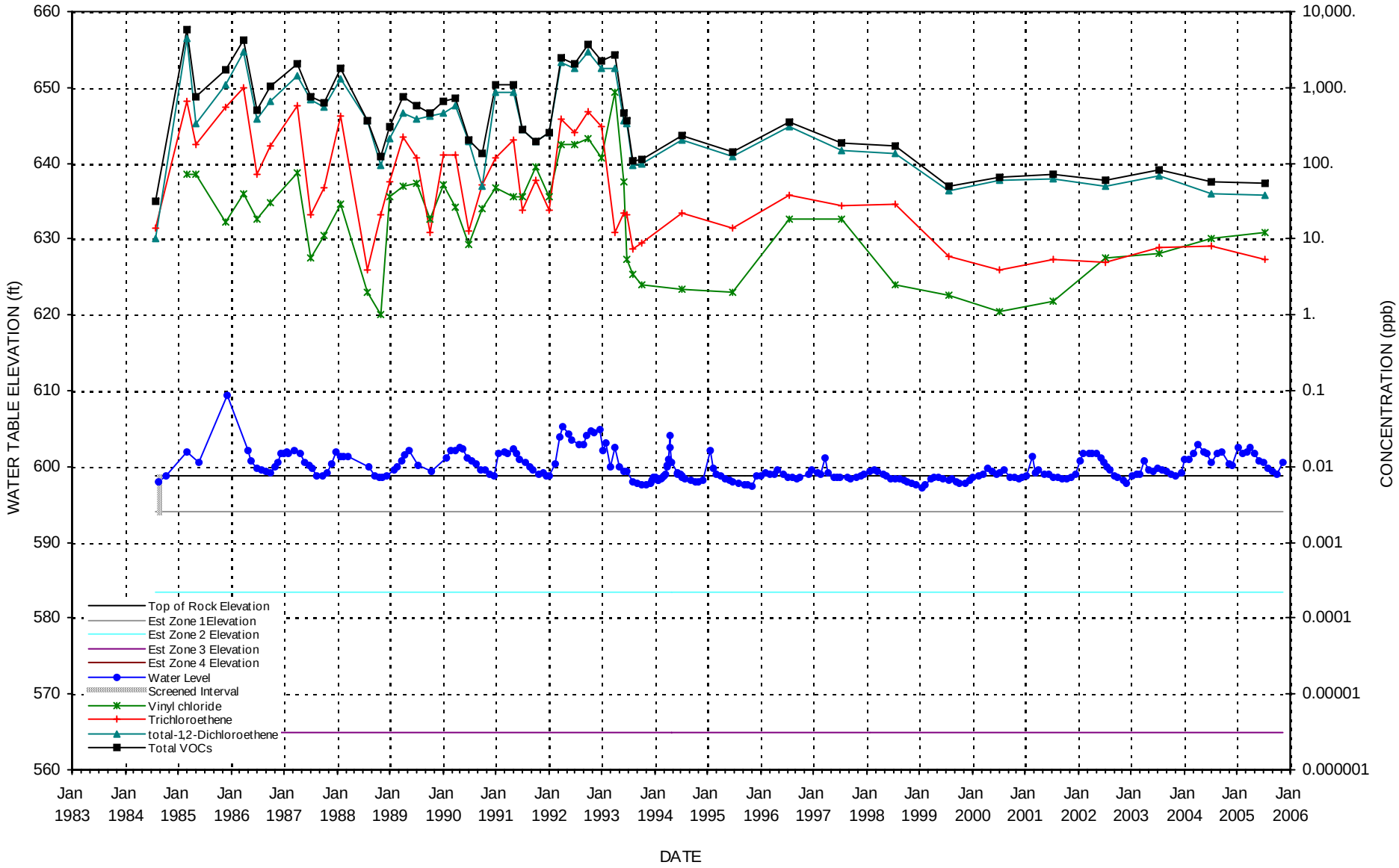
PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 4M



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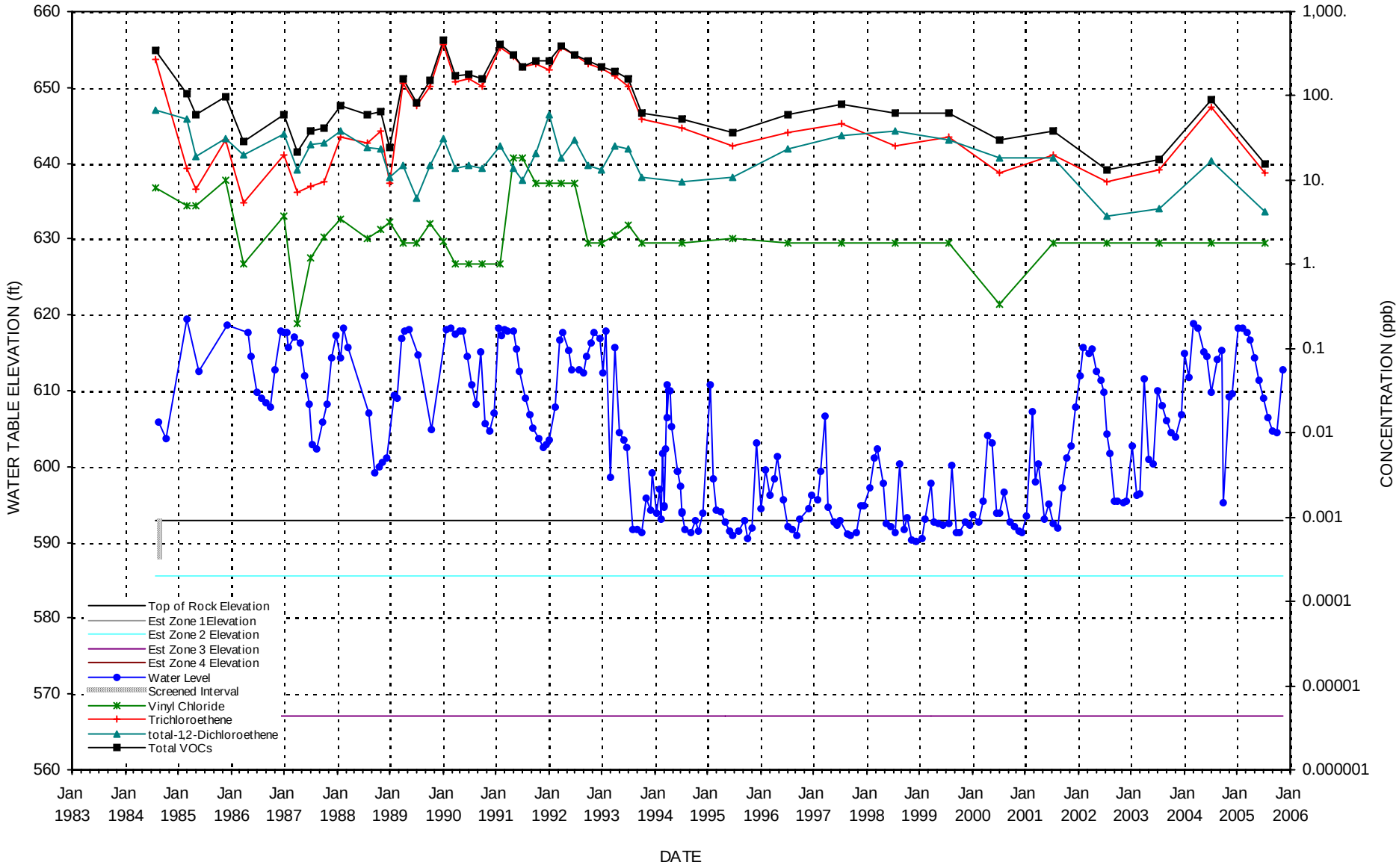
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 5M



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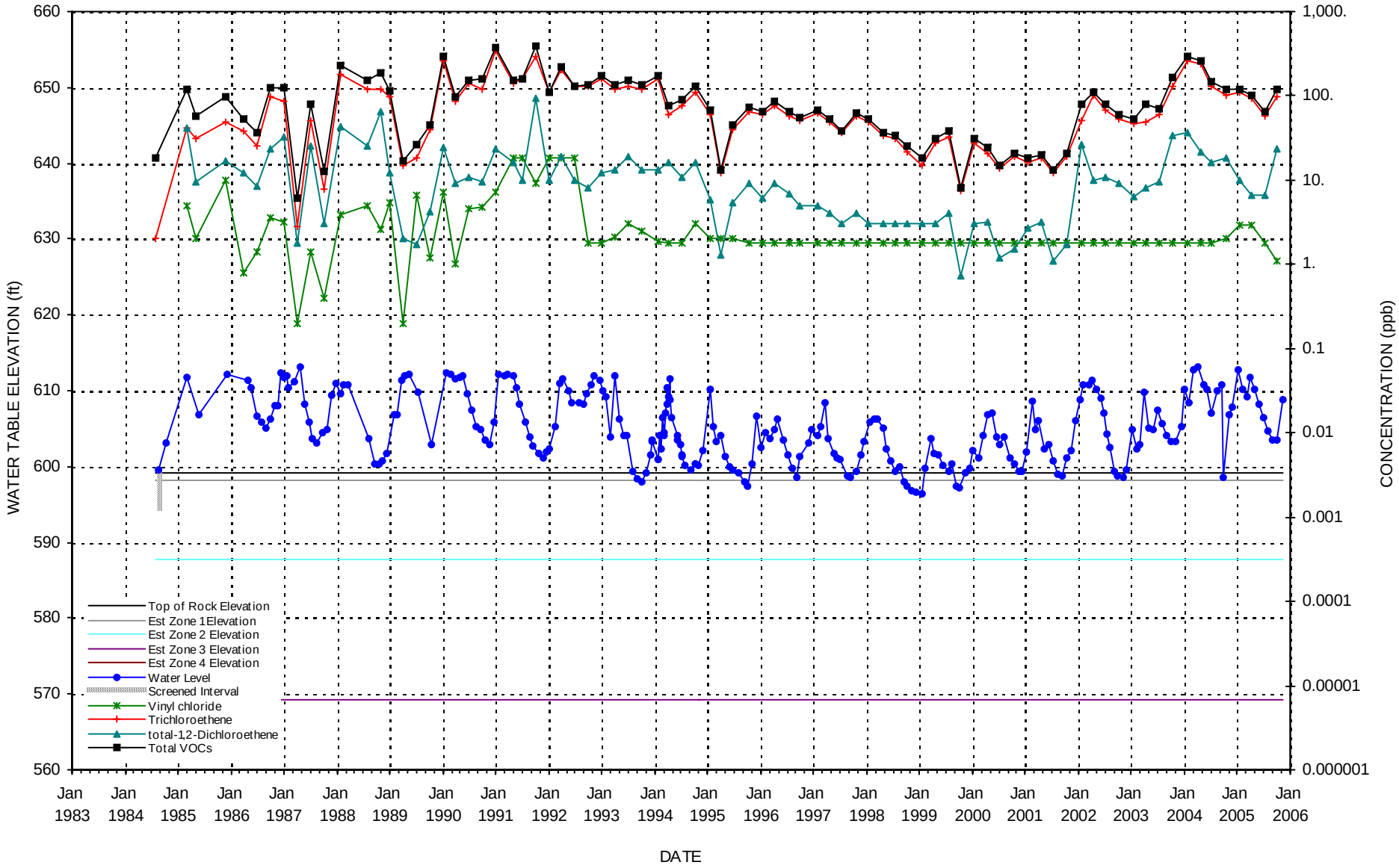
PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 6M



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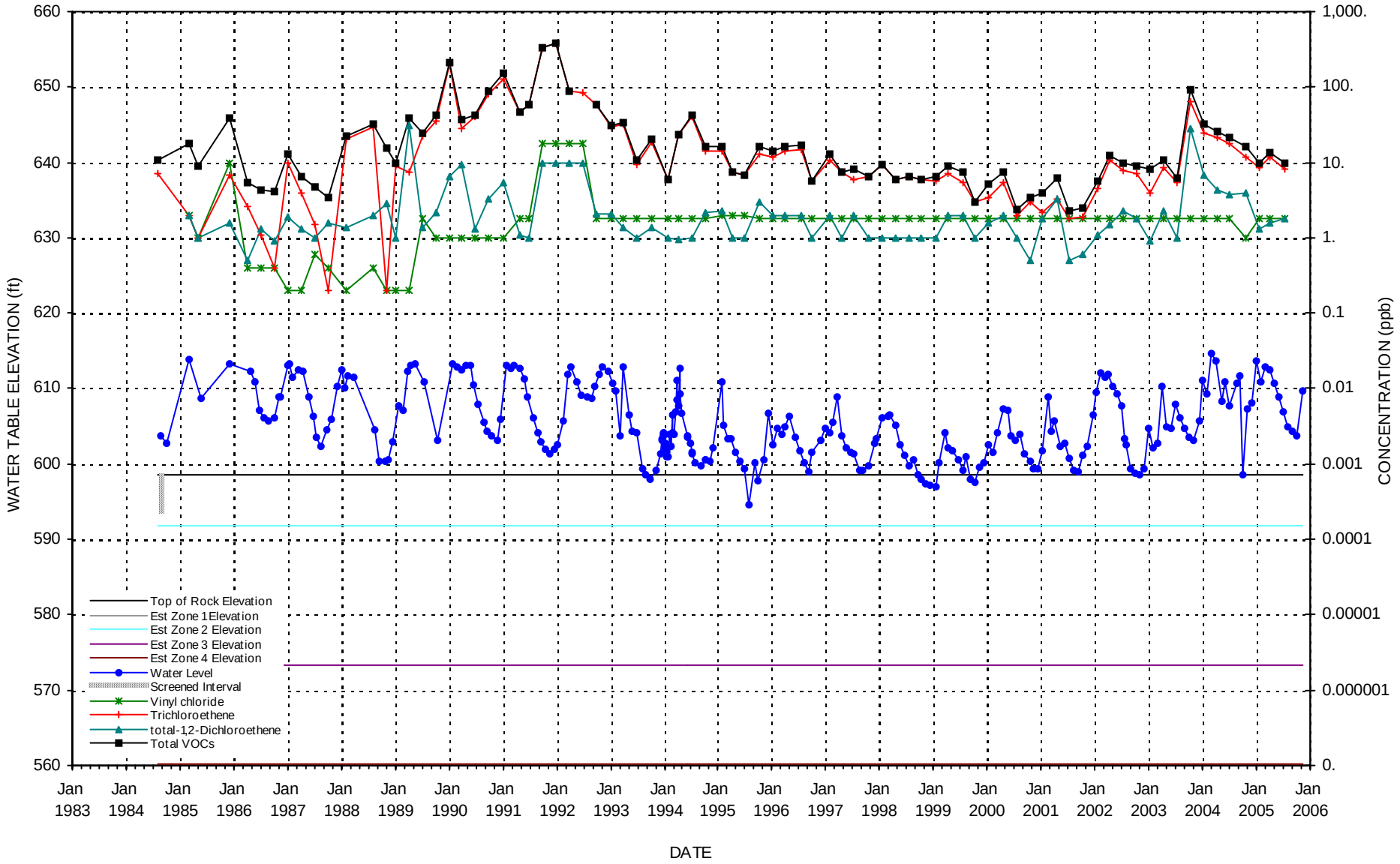
PARSONS

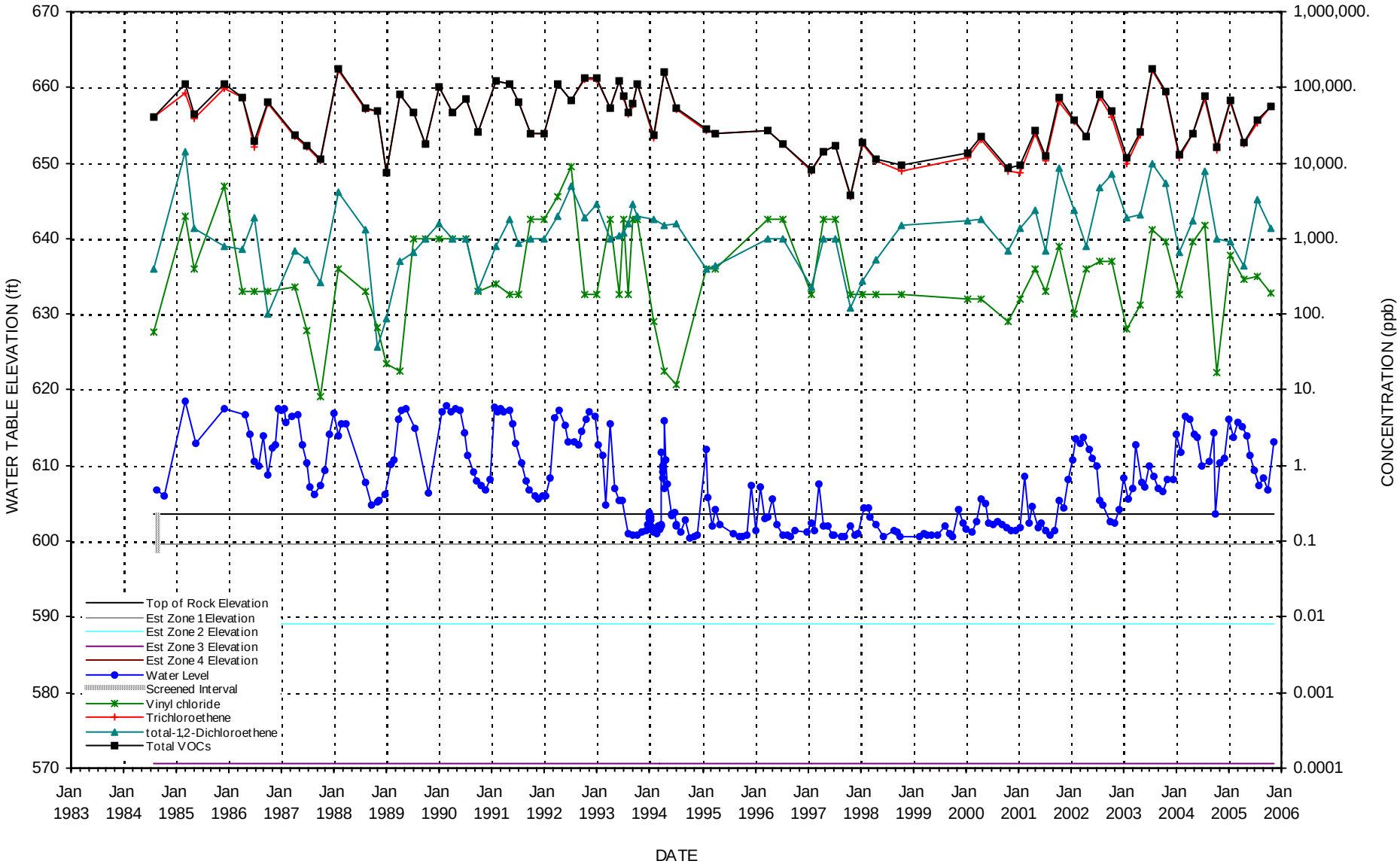
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 7M



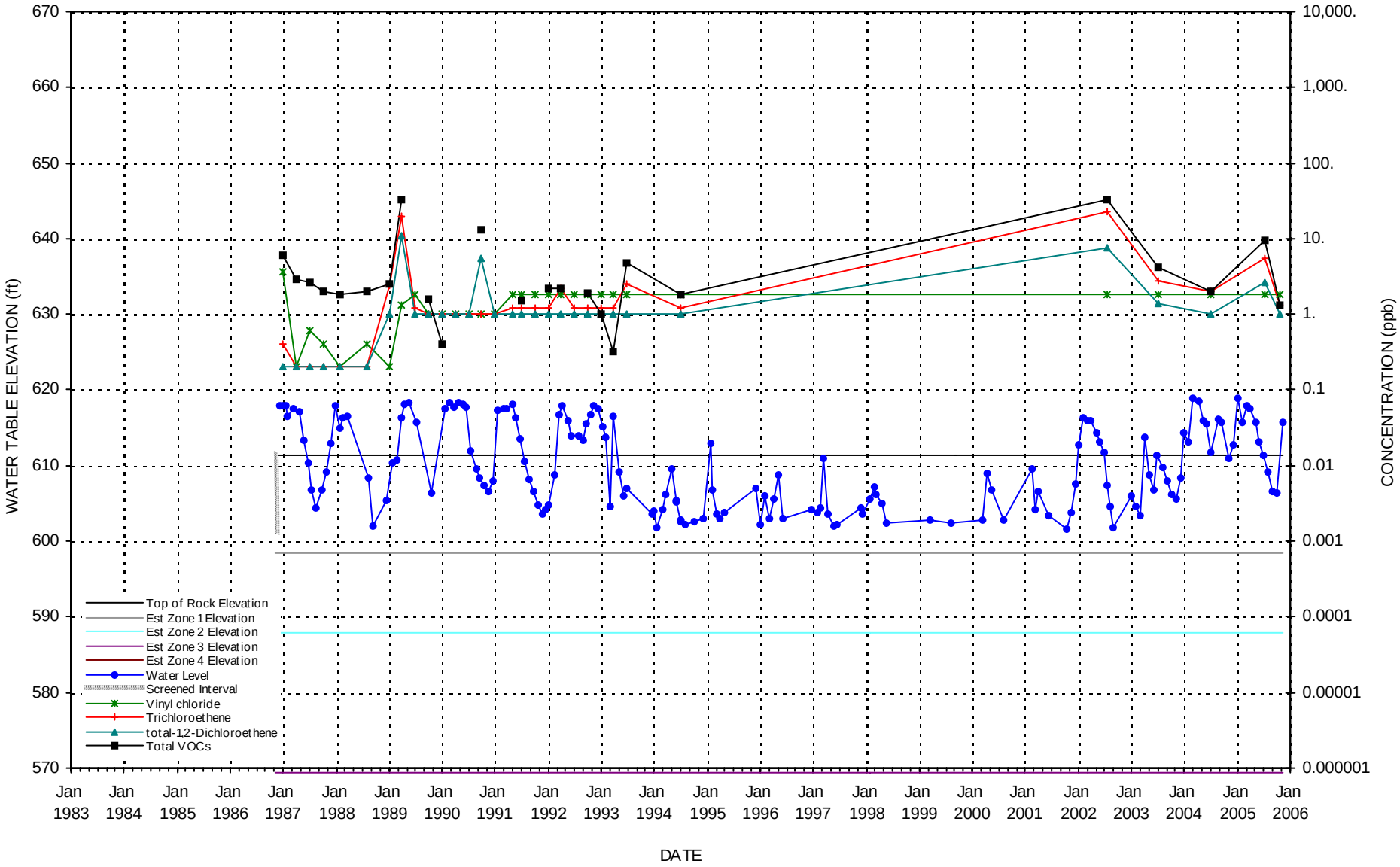
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 8M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 9M



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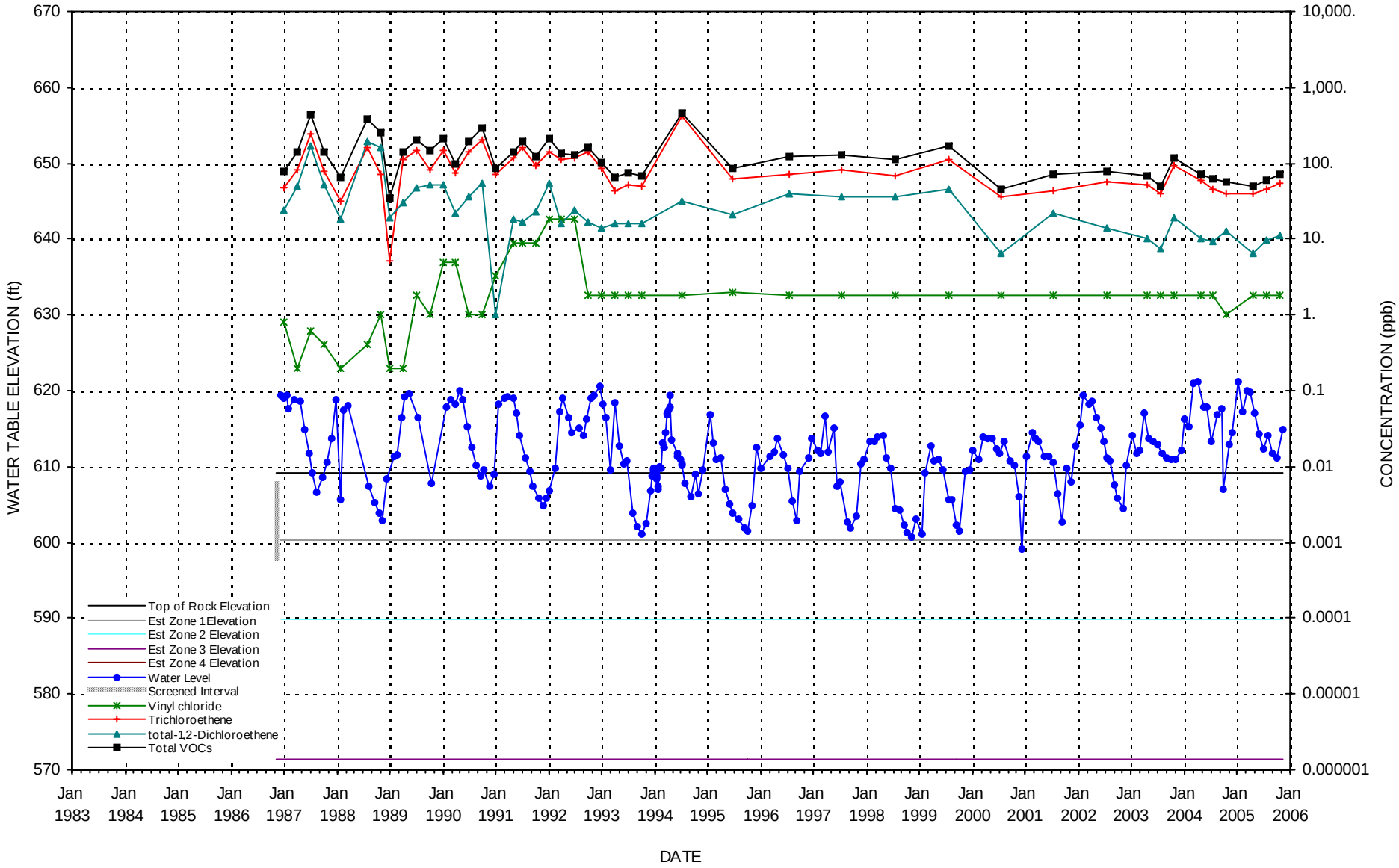
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-10M



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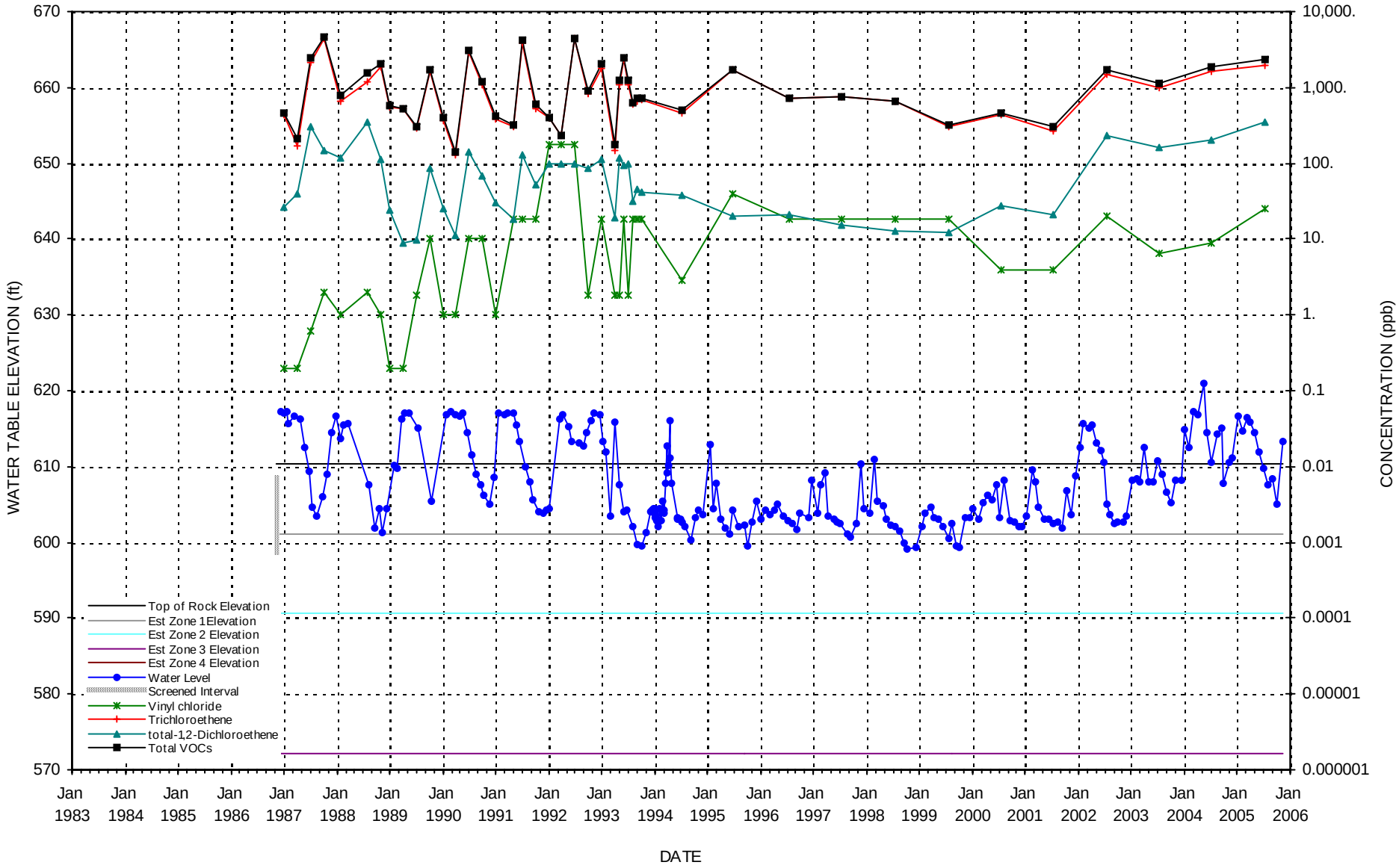
PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-11M



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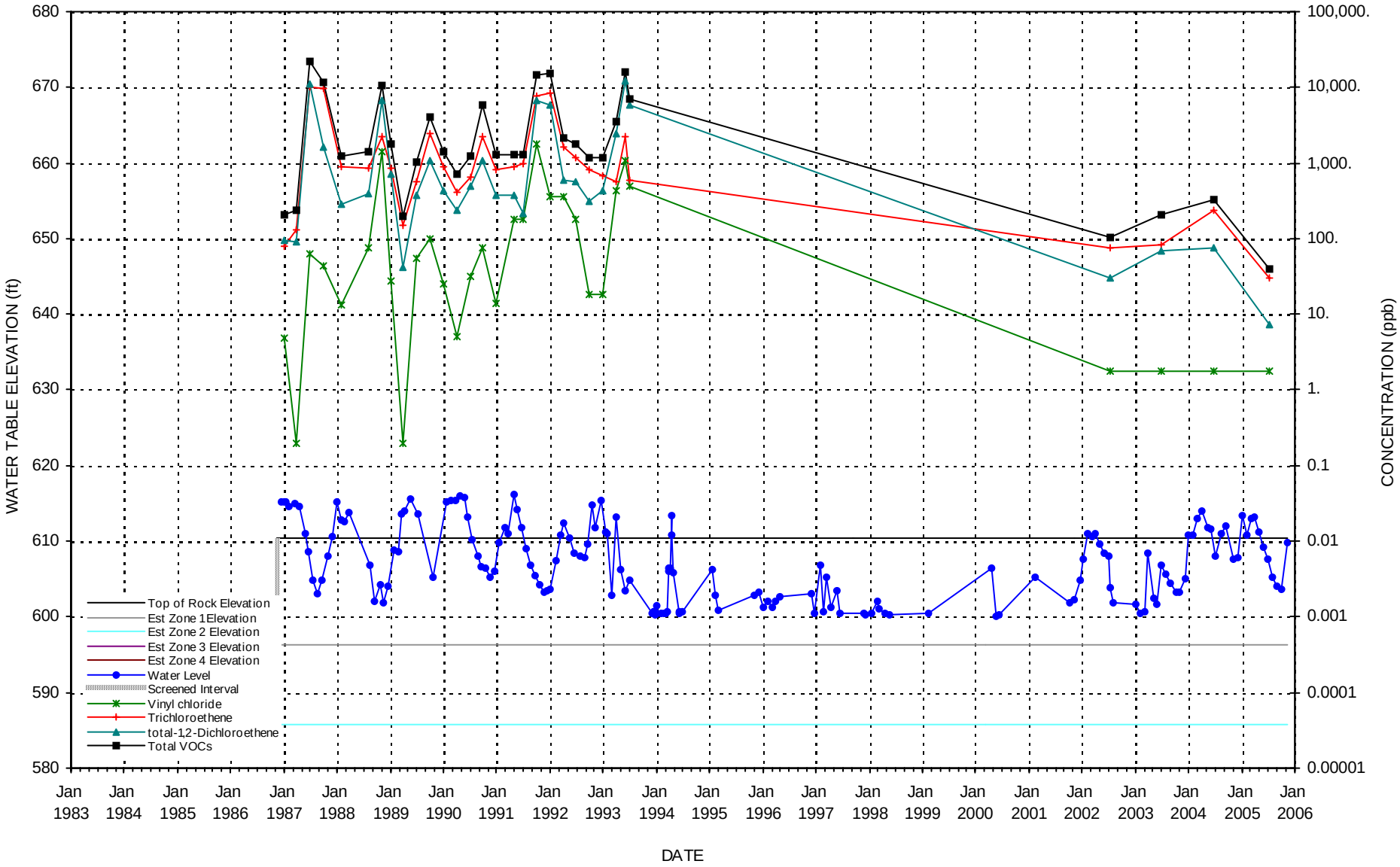
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-12M



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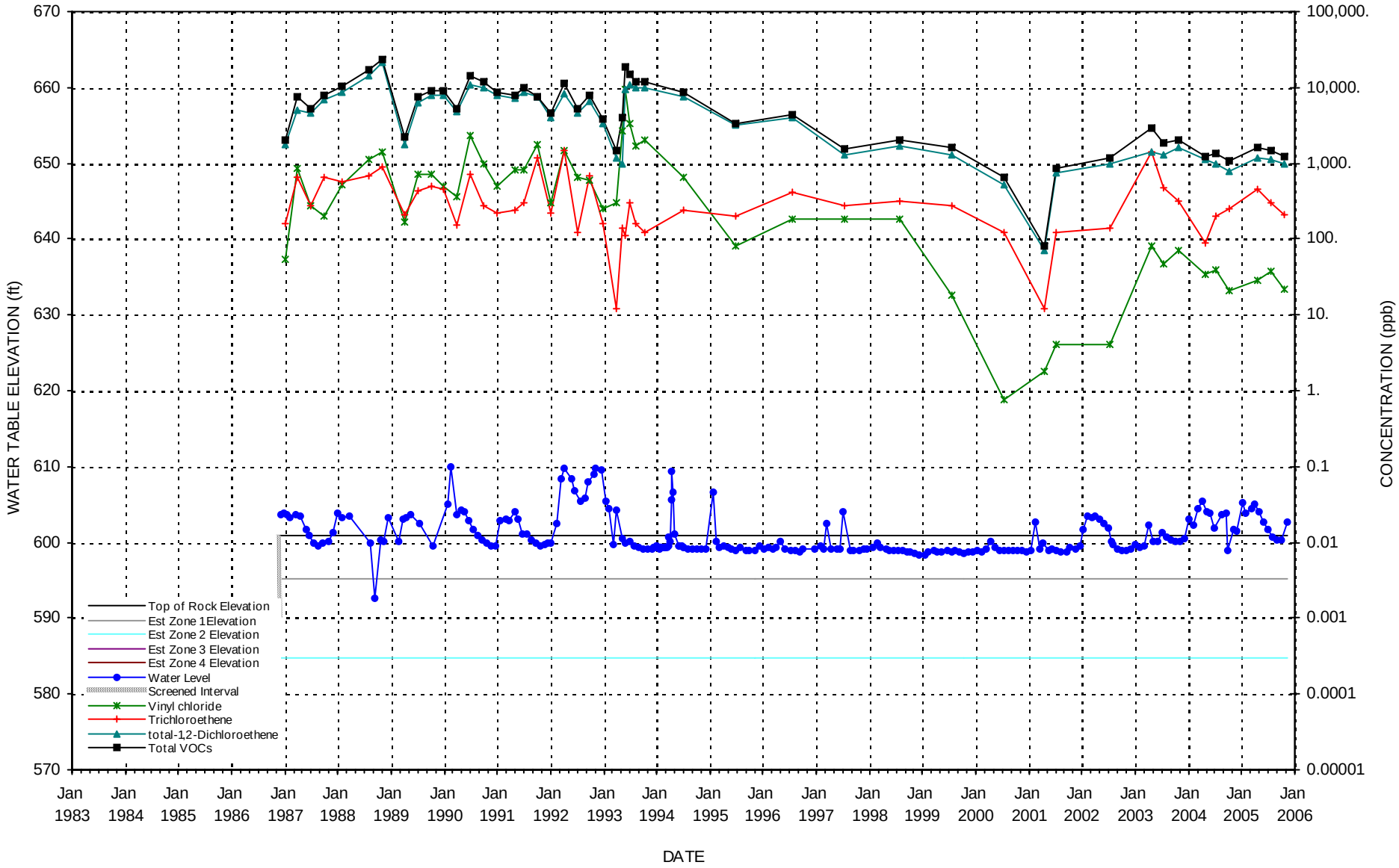
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

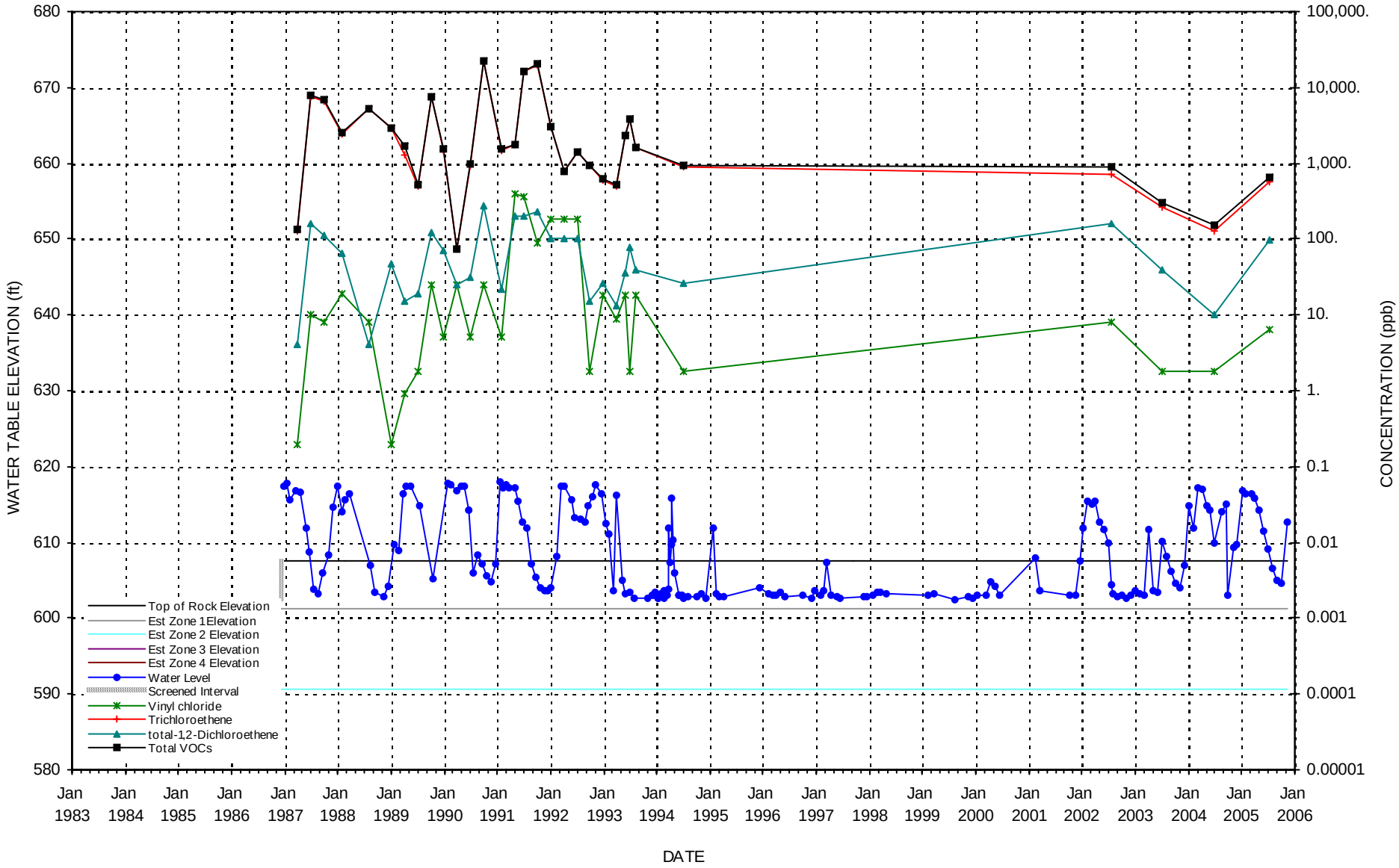
WELL B-13M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-14M



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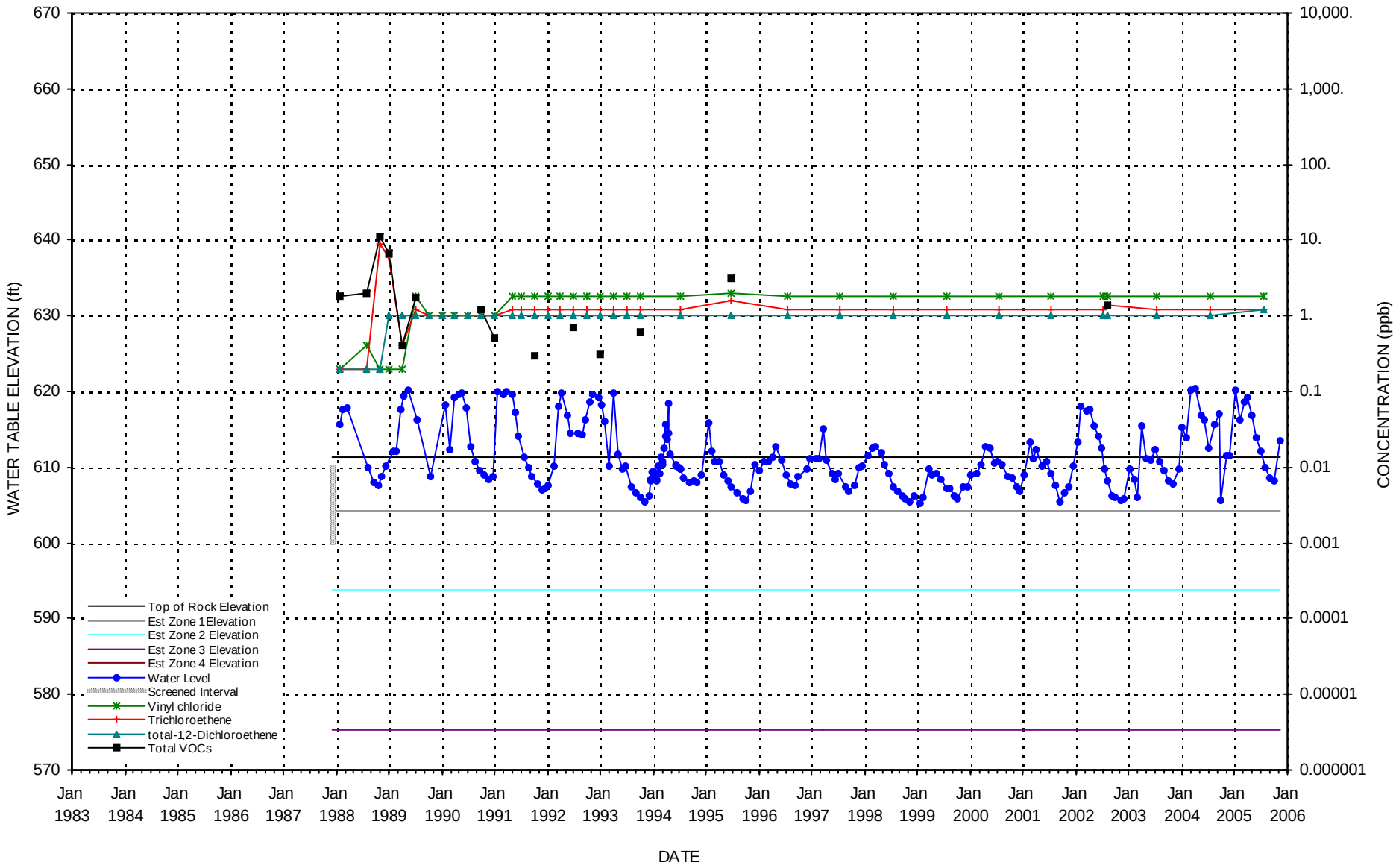
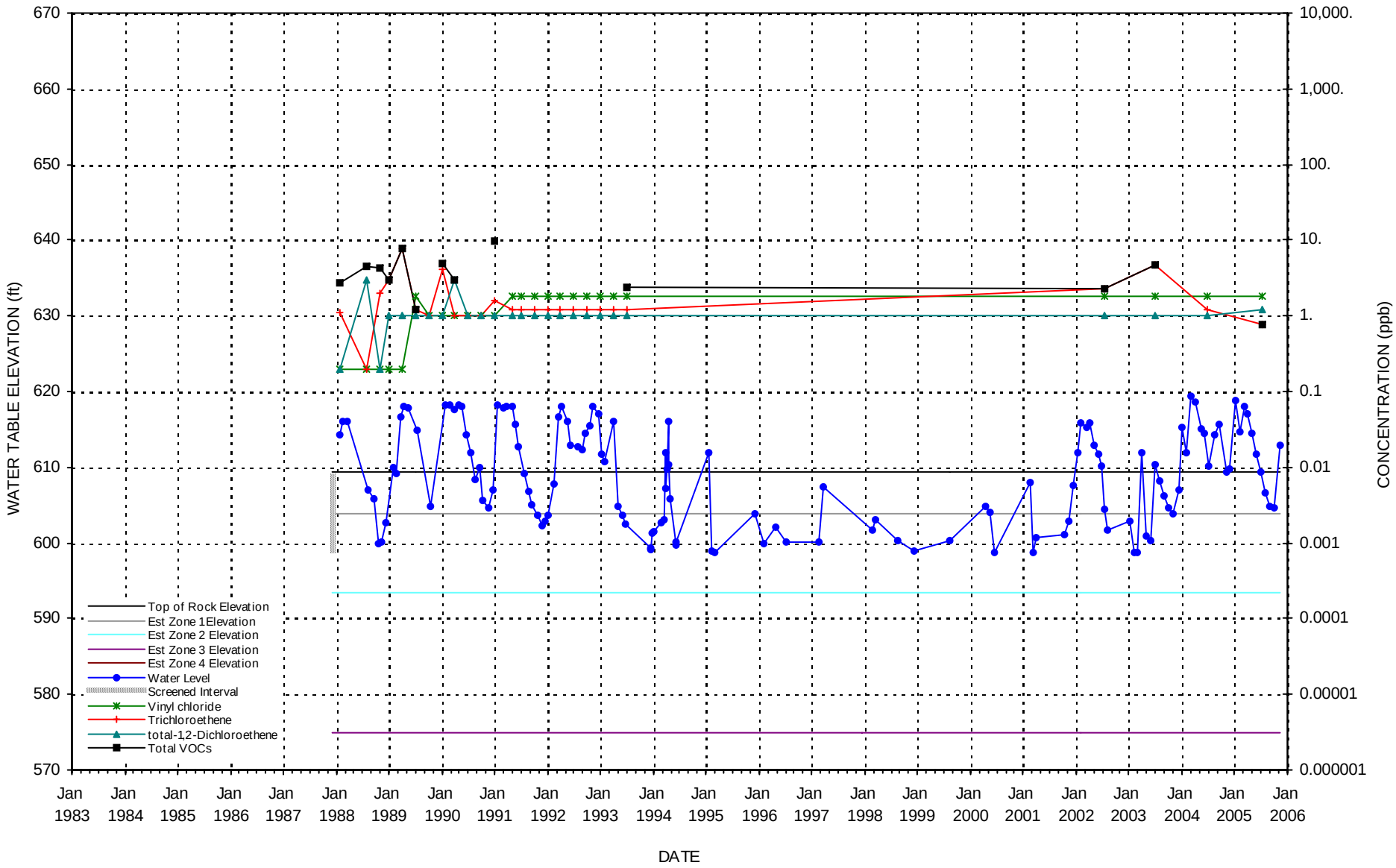
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-15M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

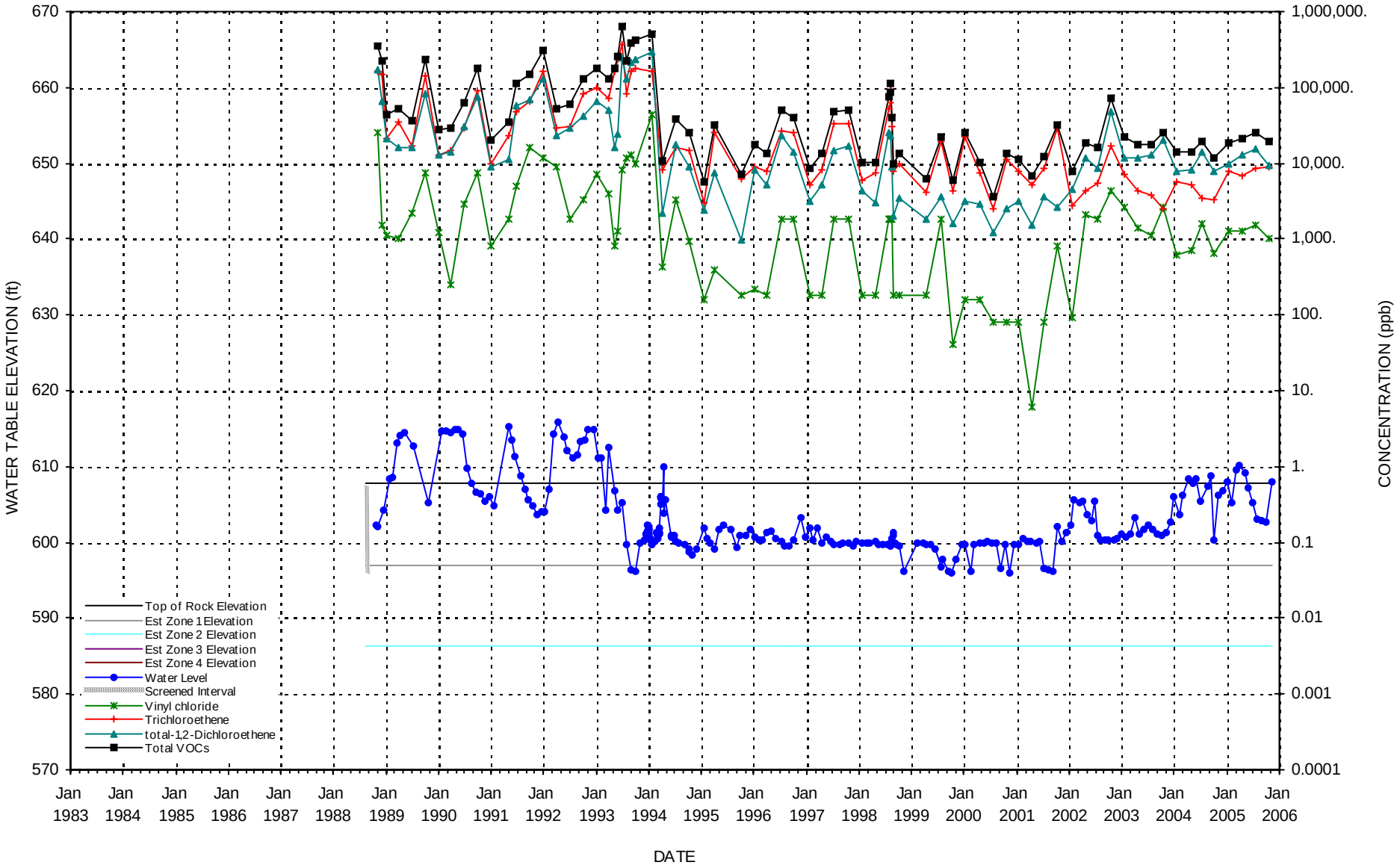
WELL B-16M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-17M



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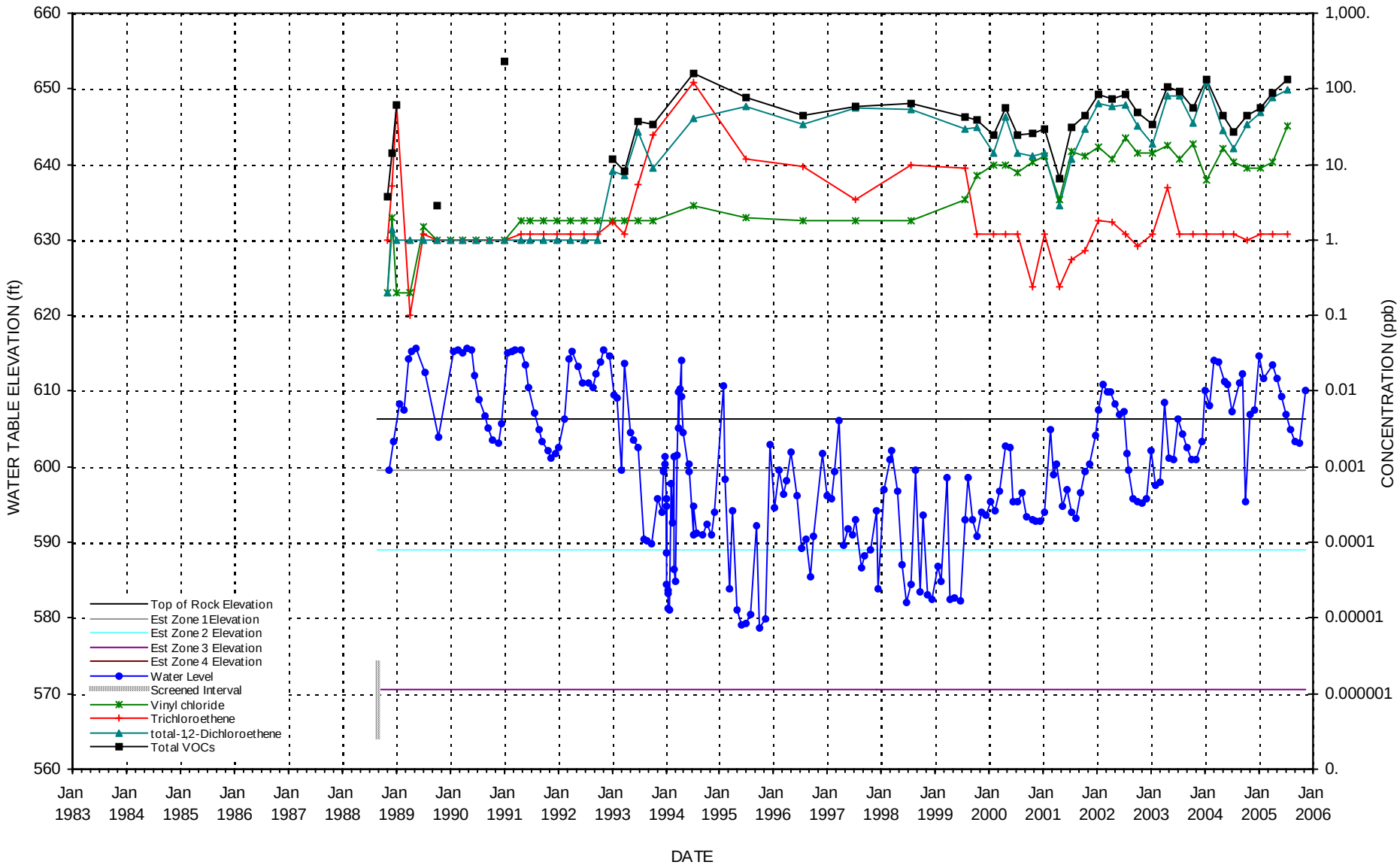
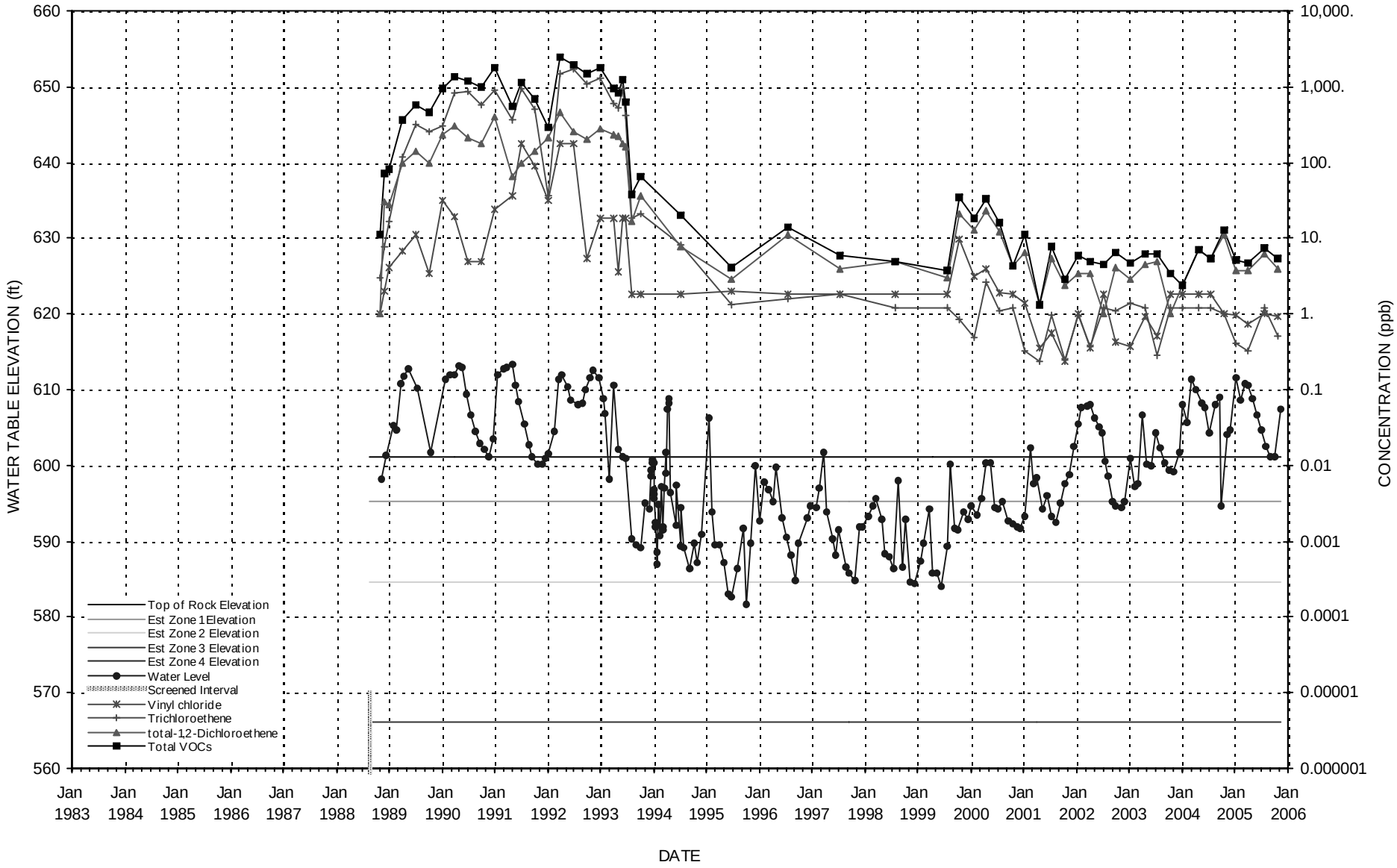
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-18M



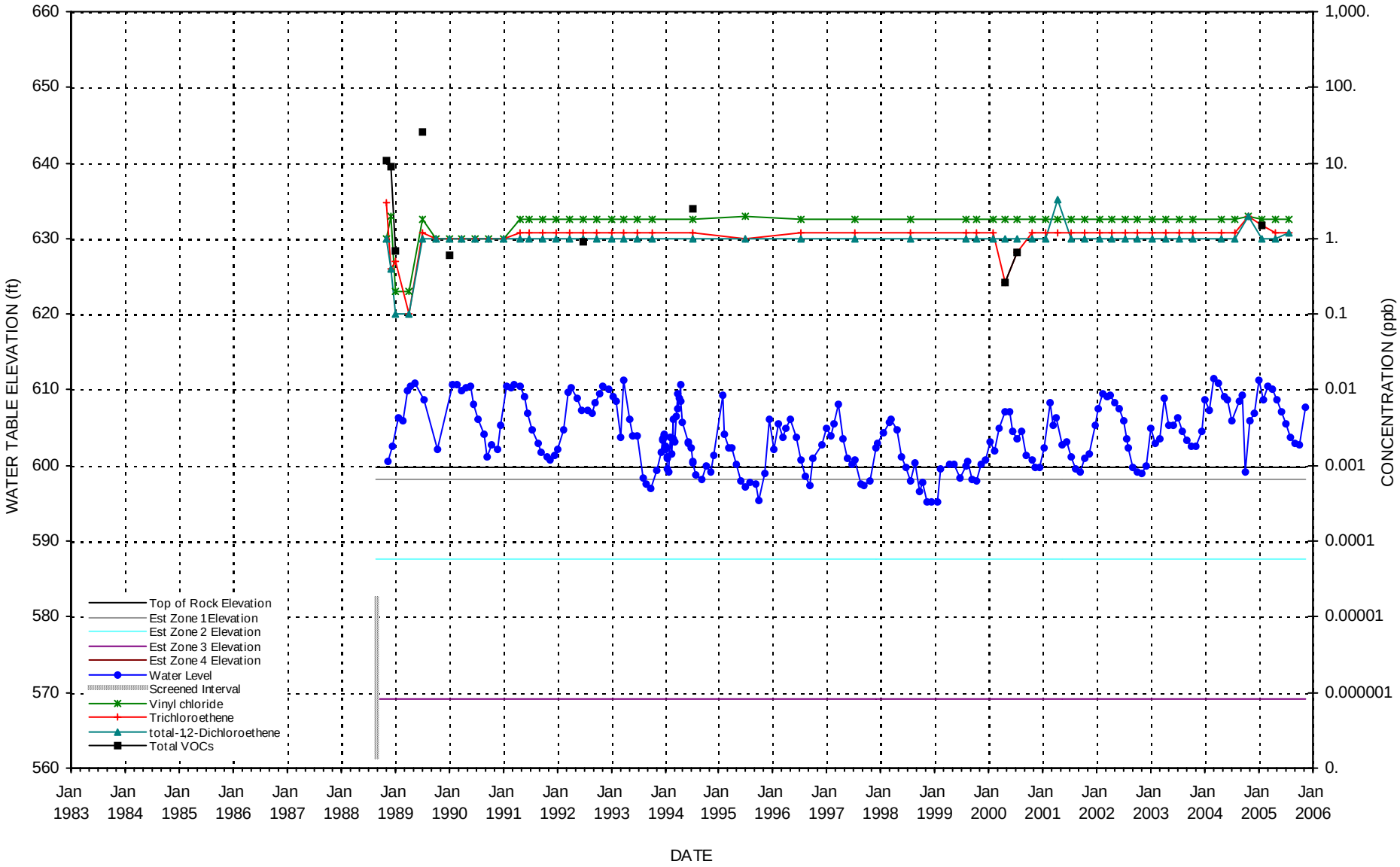
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-19M



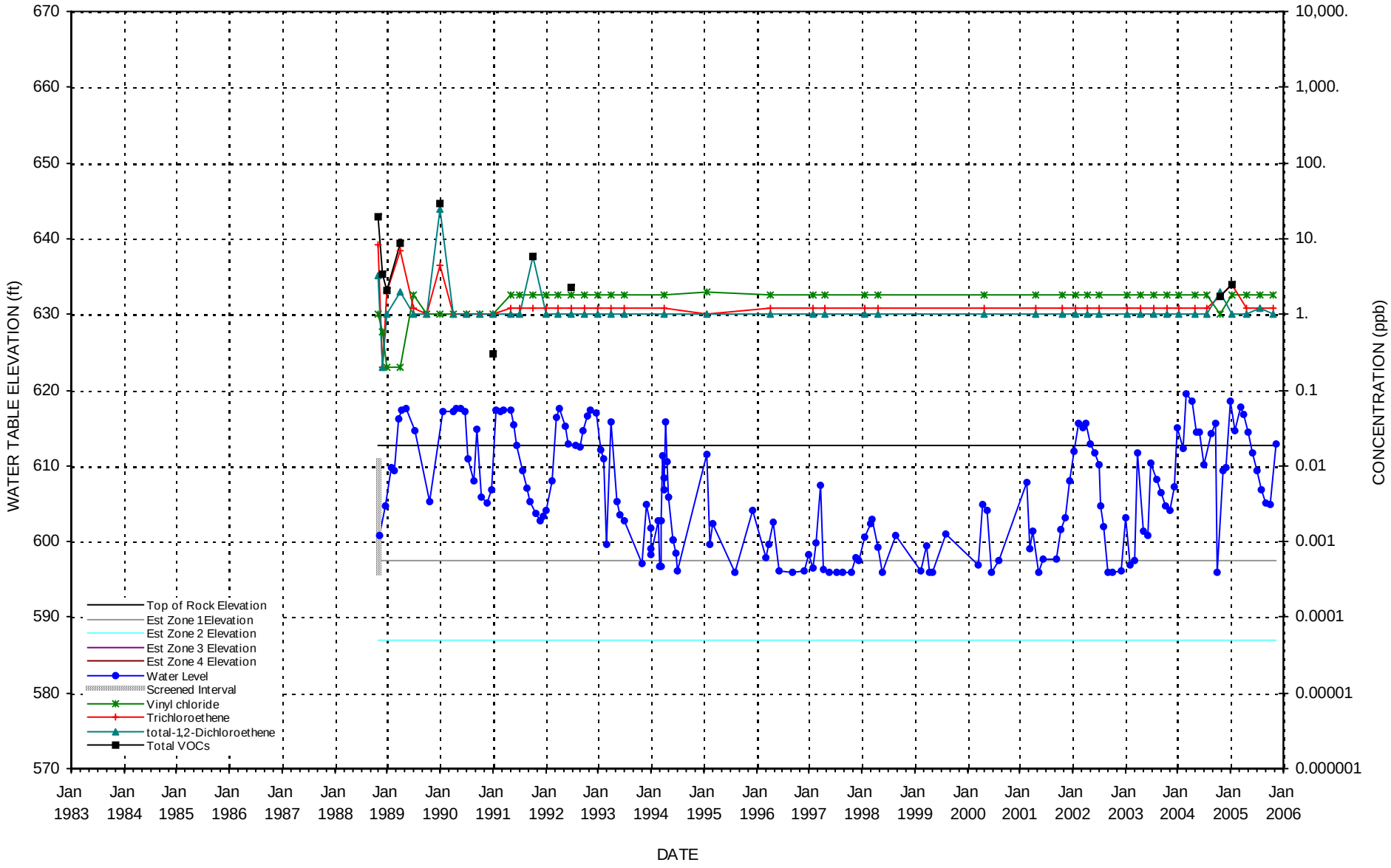
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-20M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-21M



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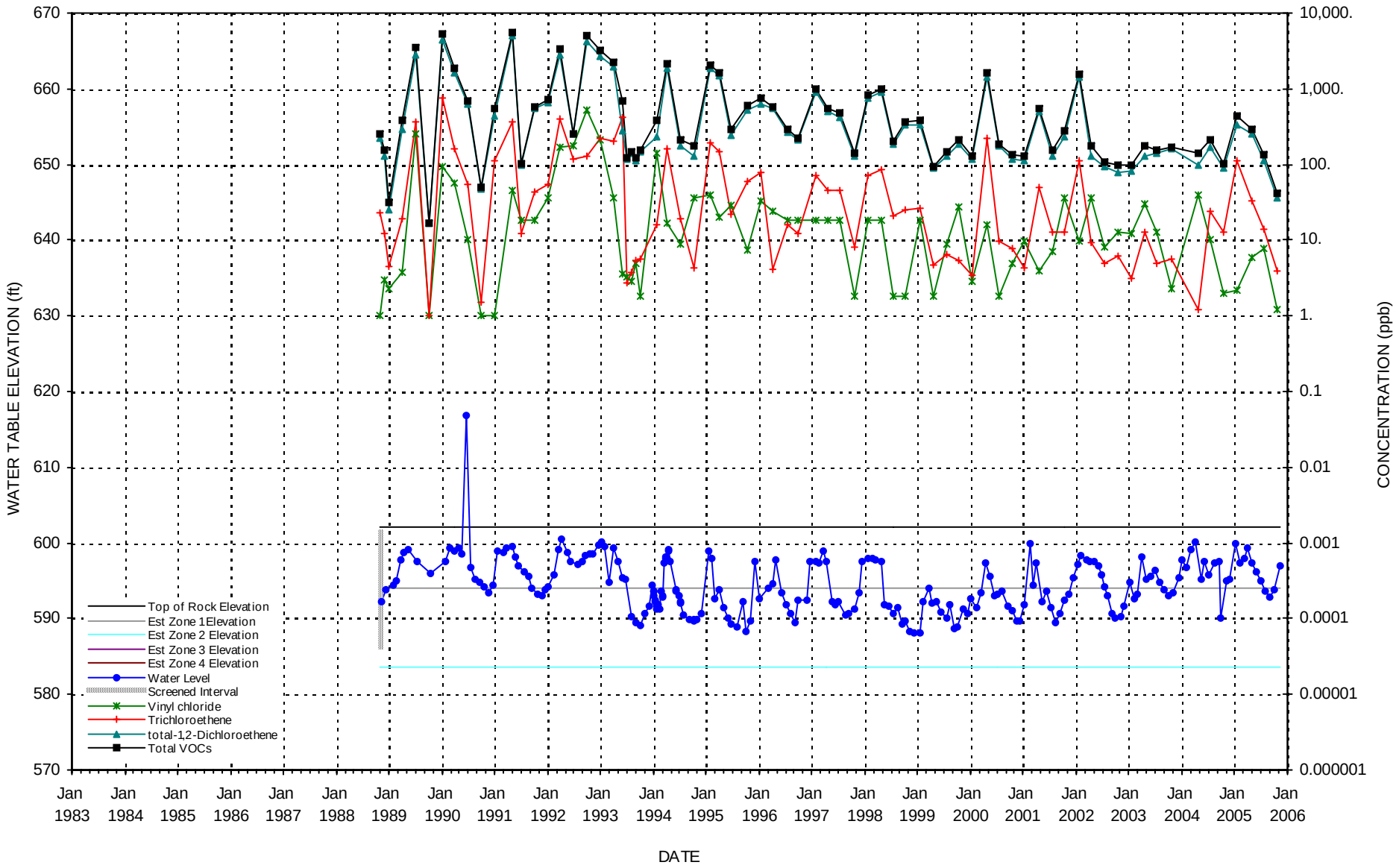
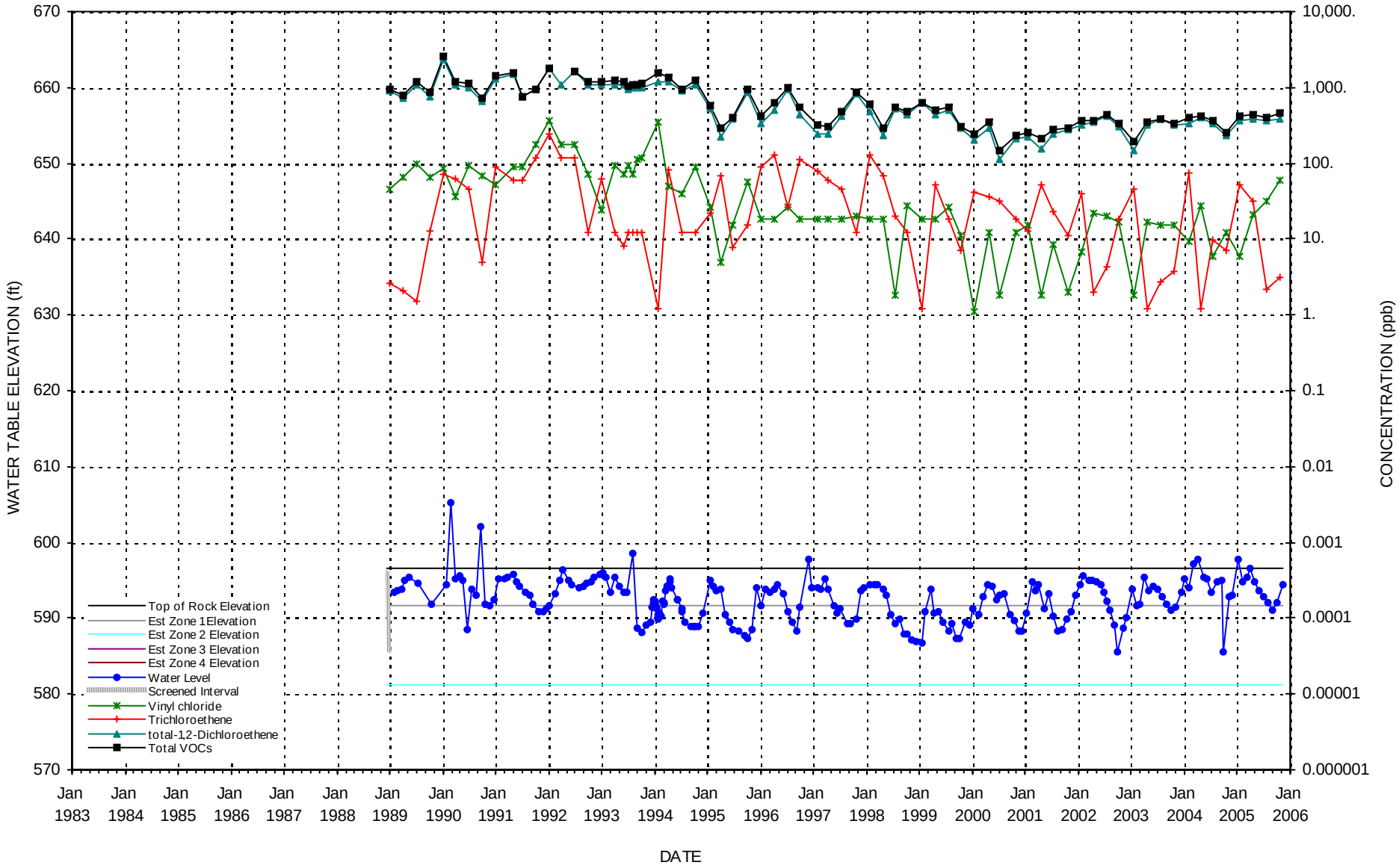
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-22M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

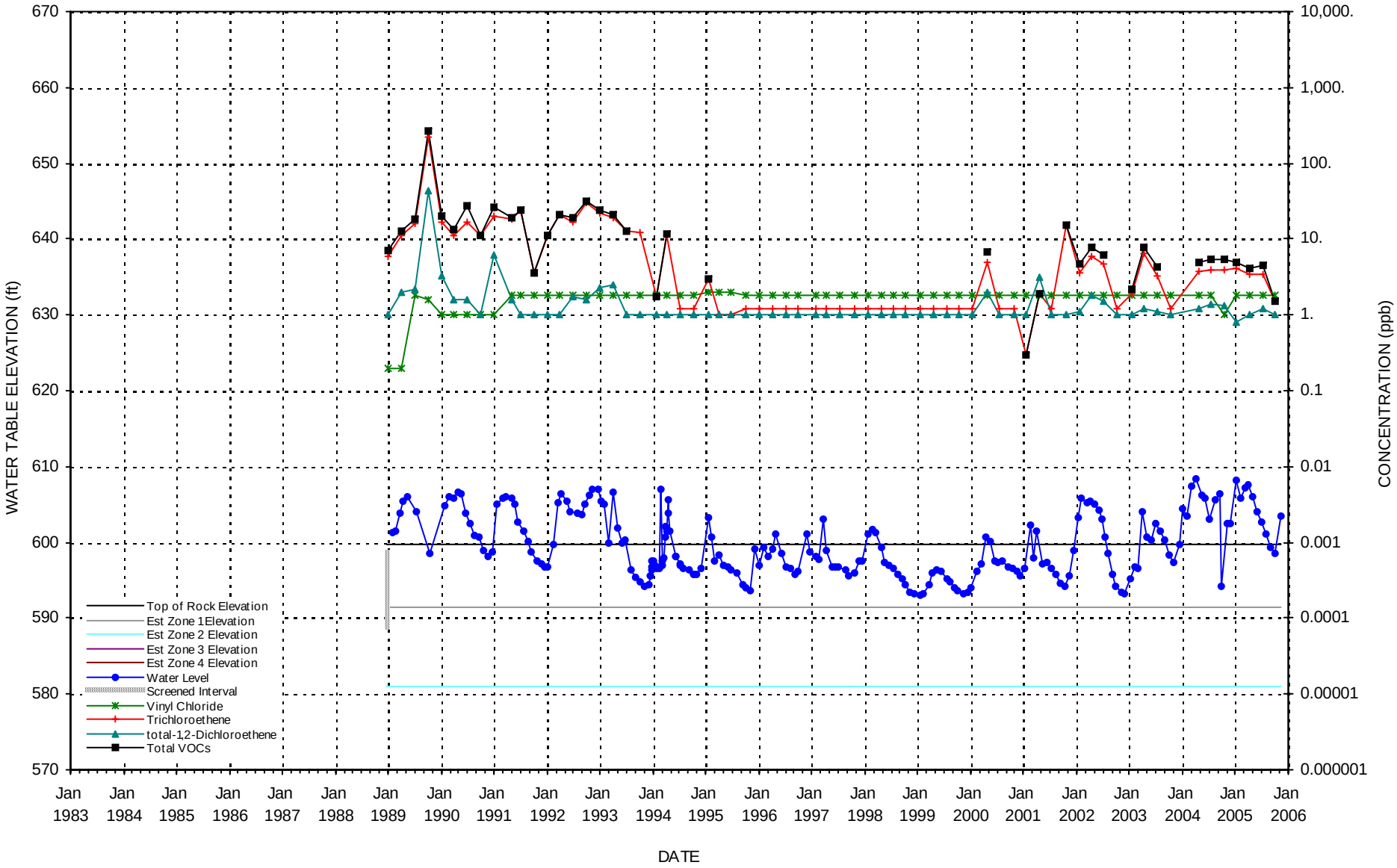
WELL B-23M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-24M



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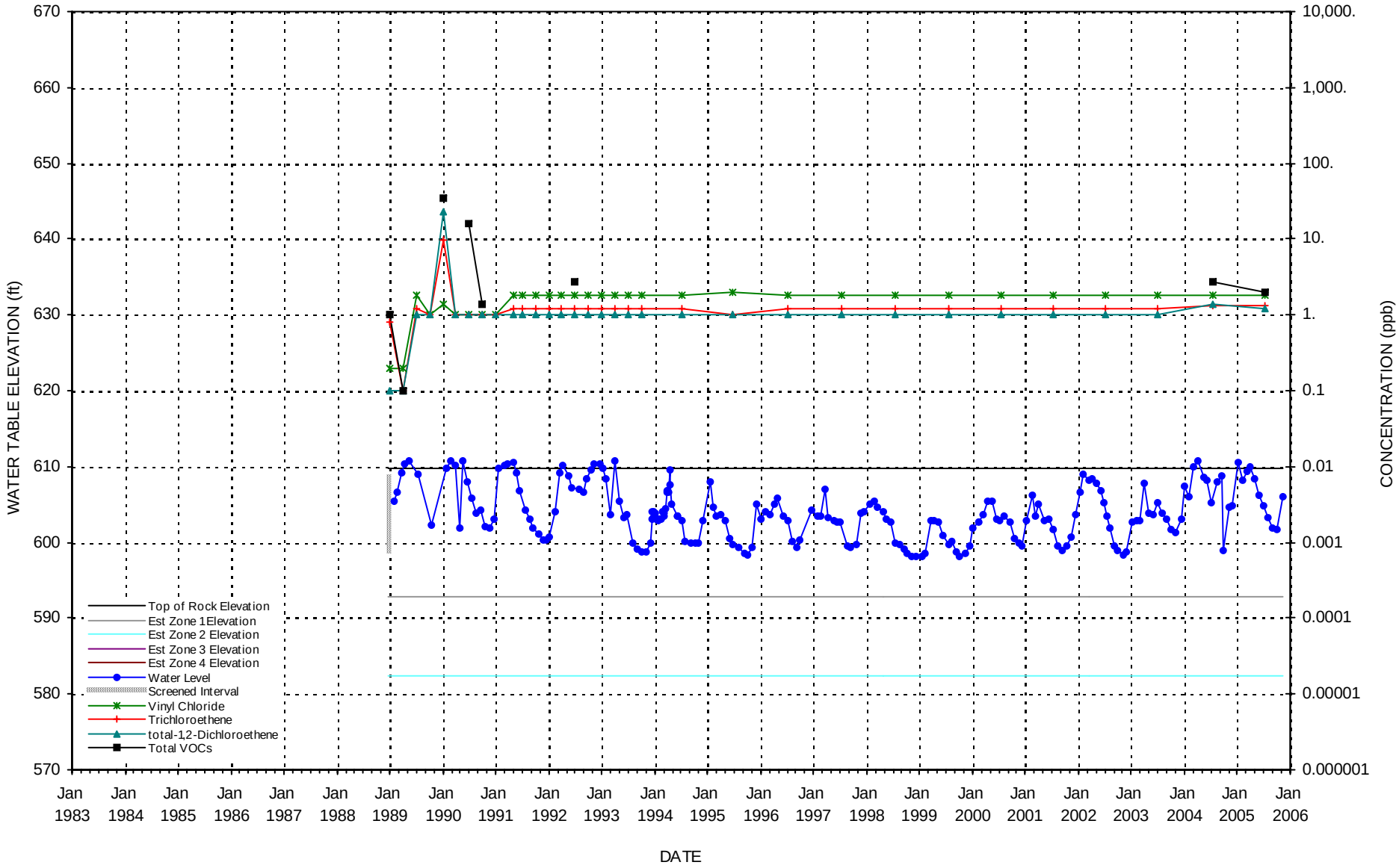
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-25M



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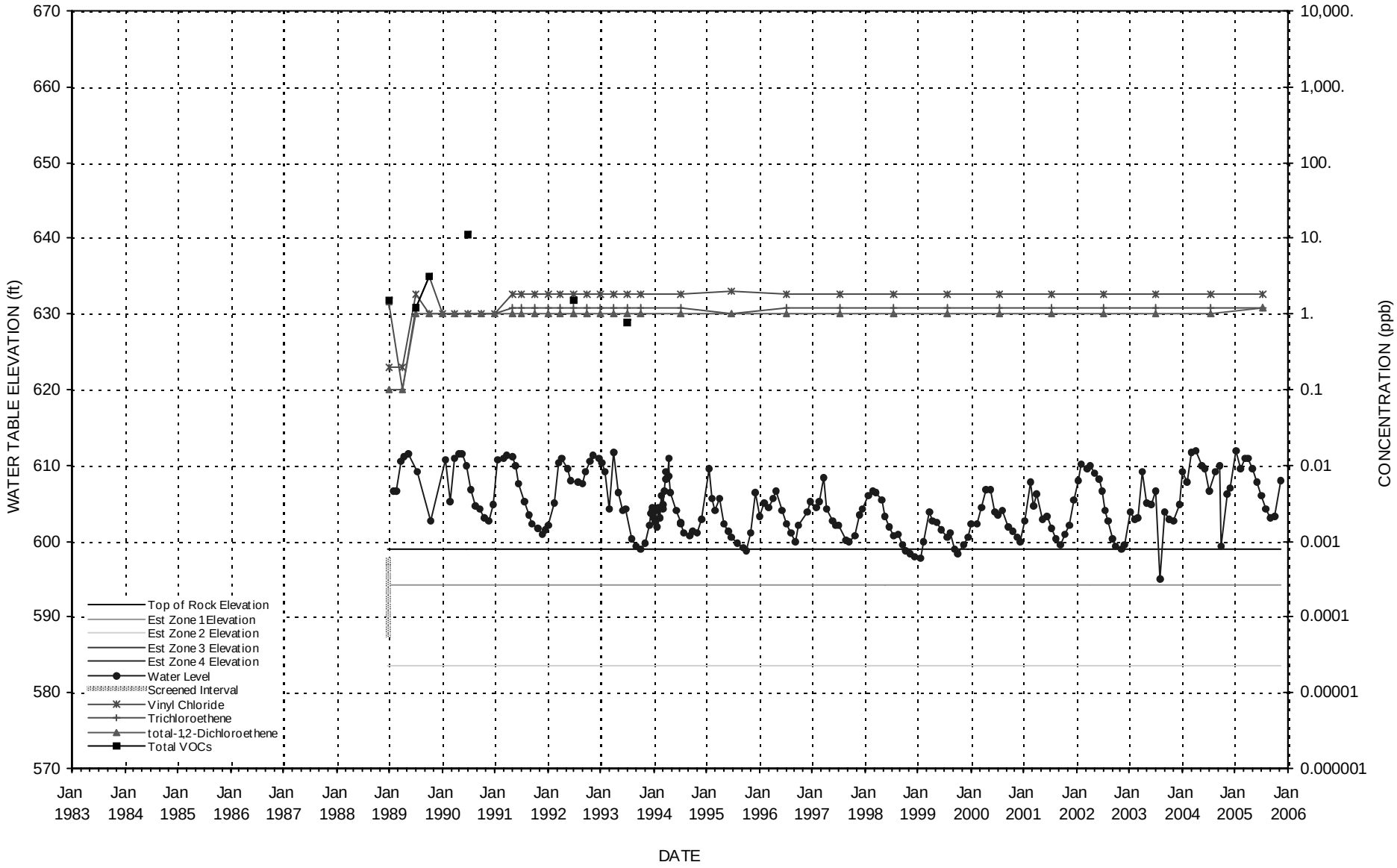
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-26M



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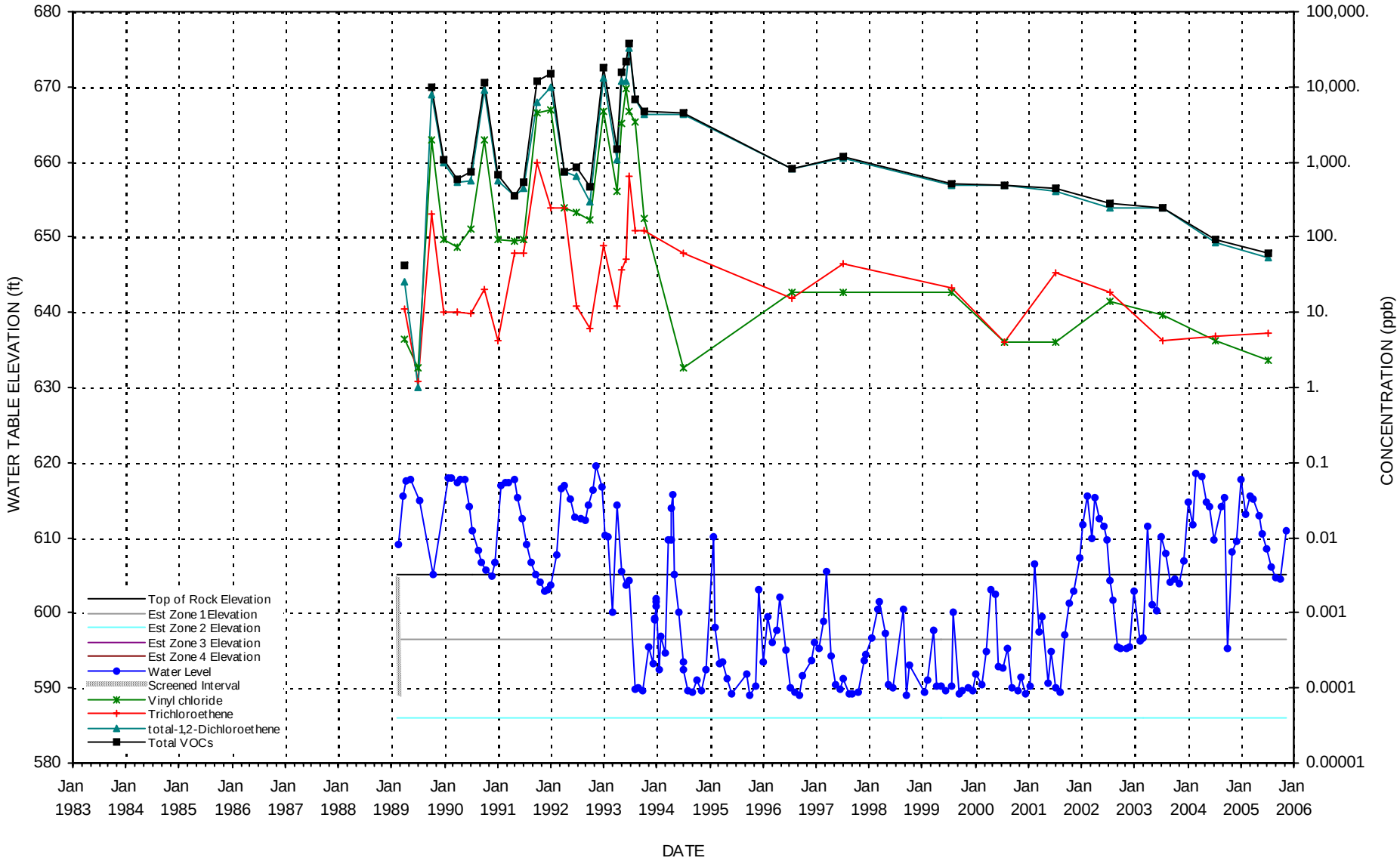
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-27M



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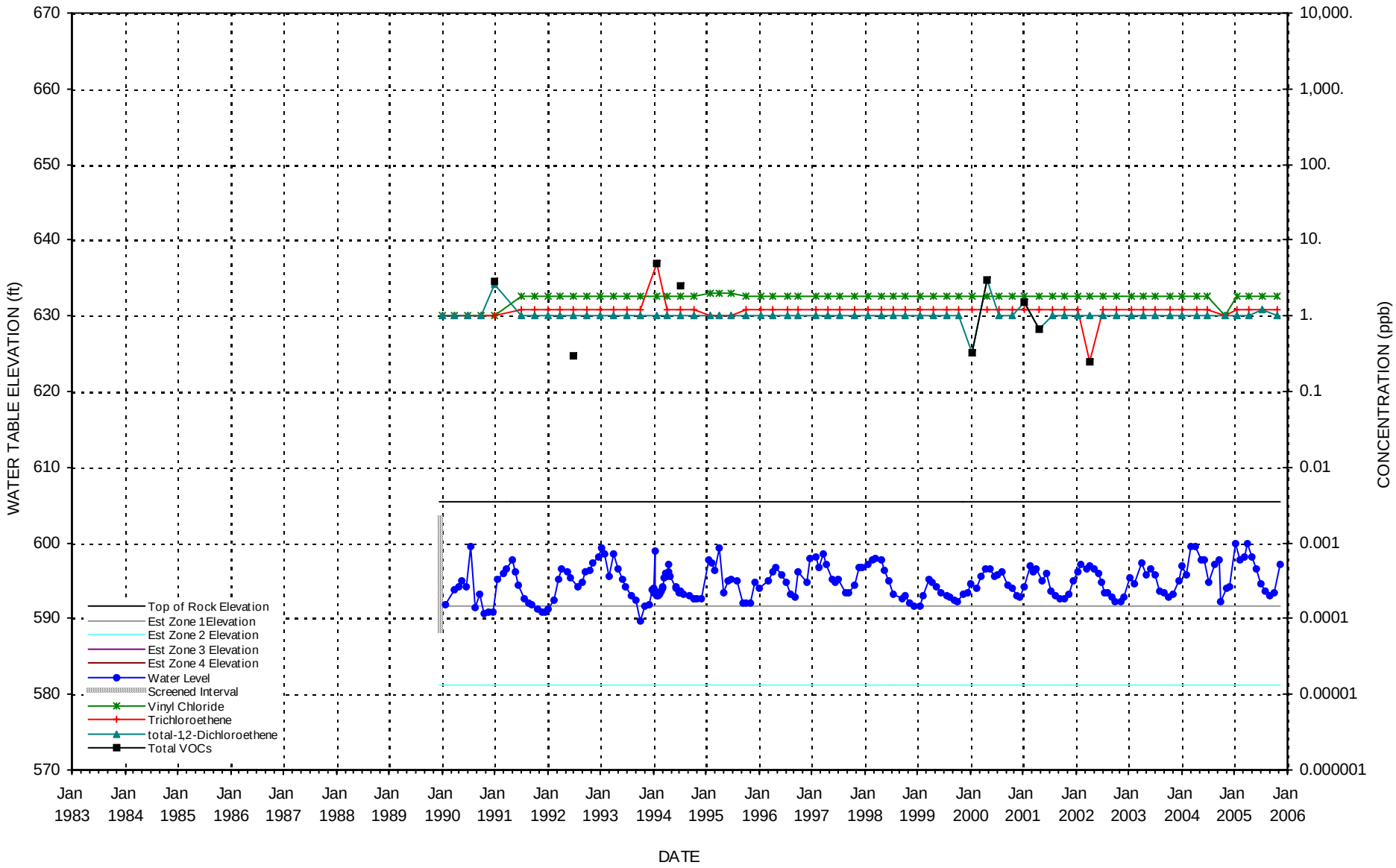
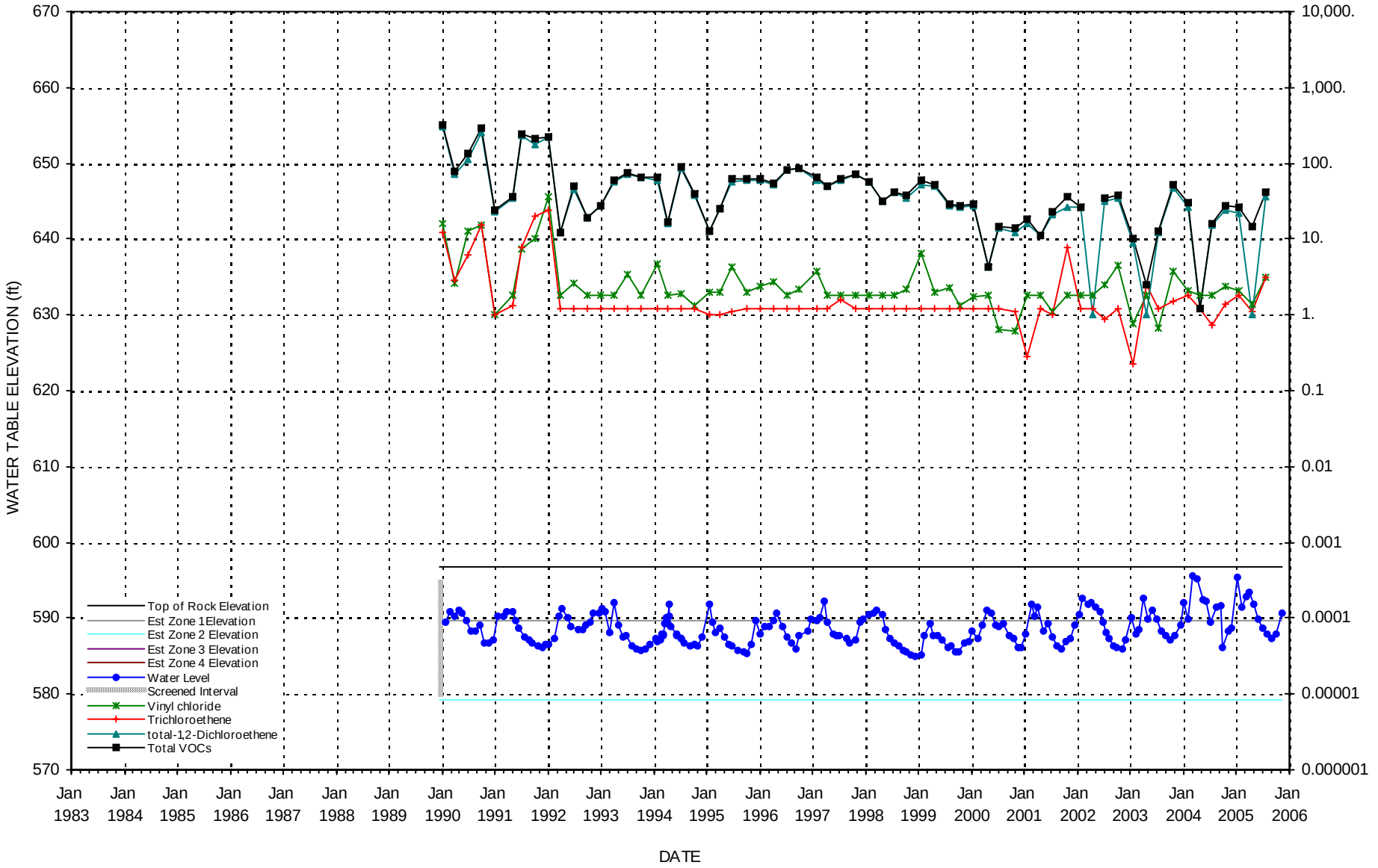
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-28M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-29M



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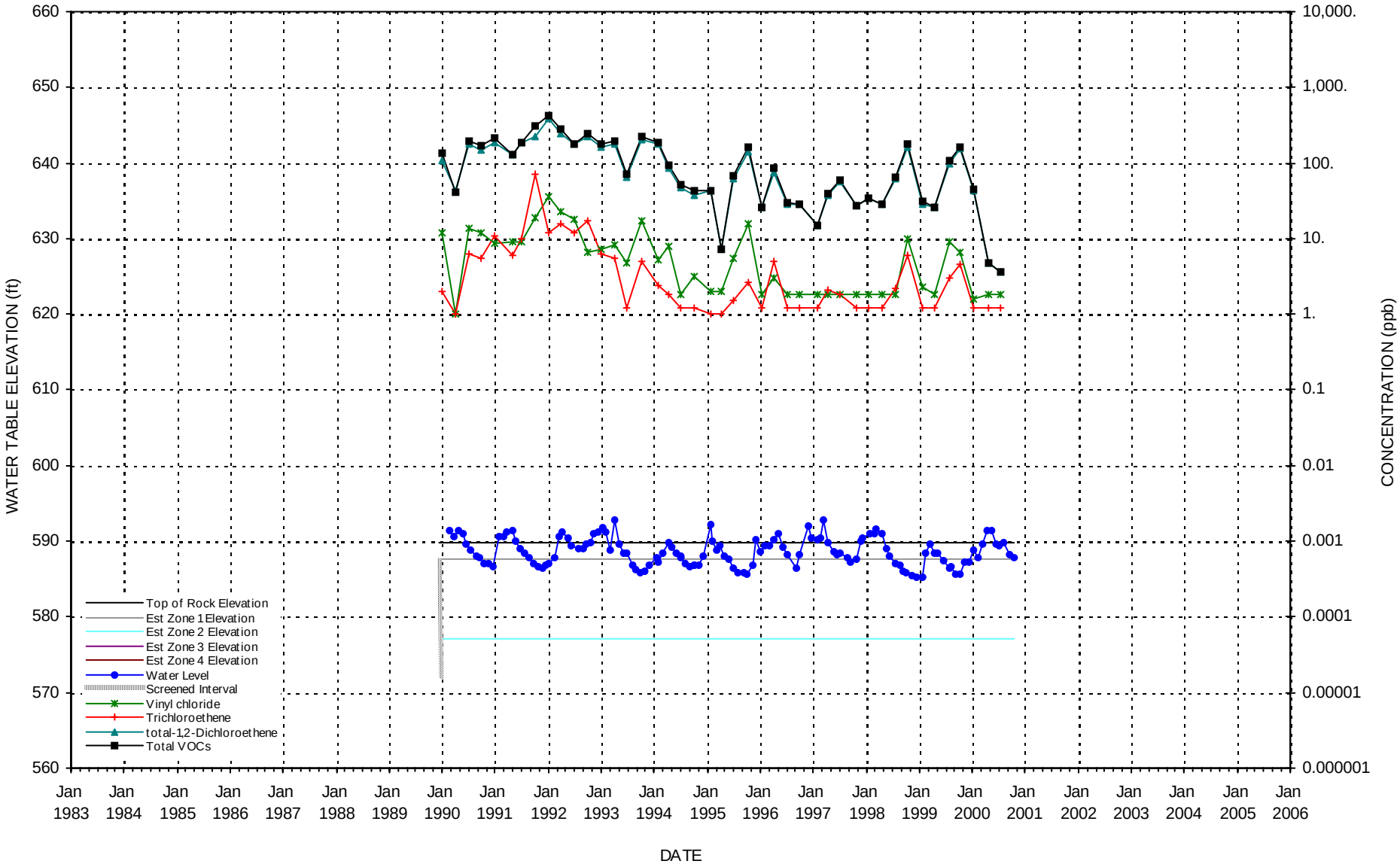
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

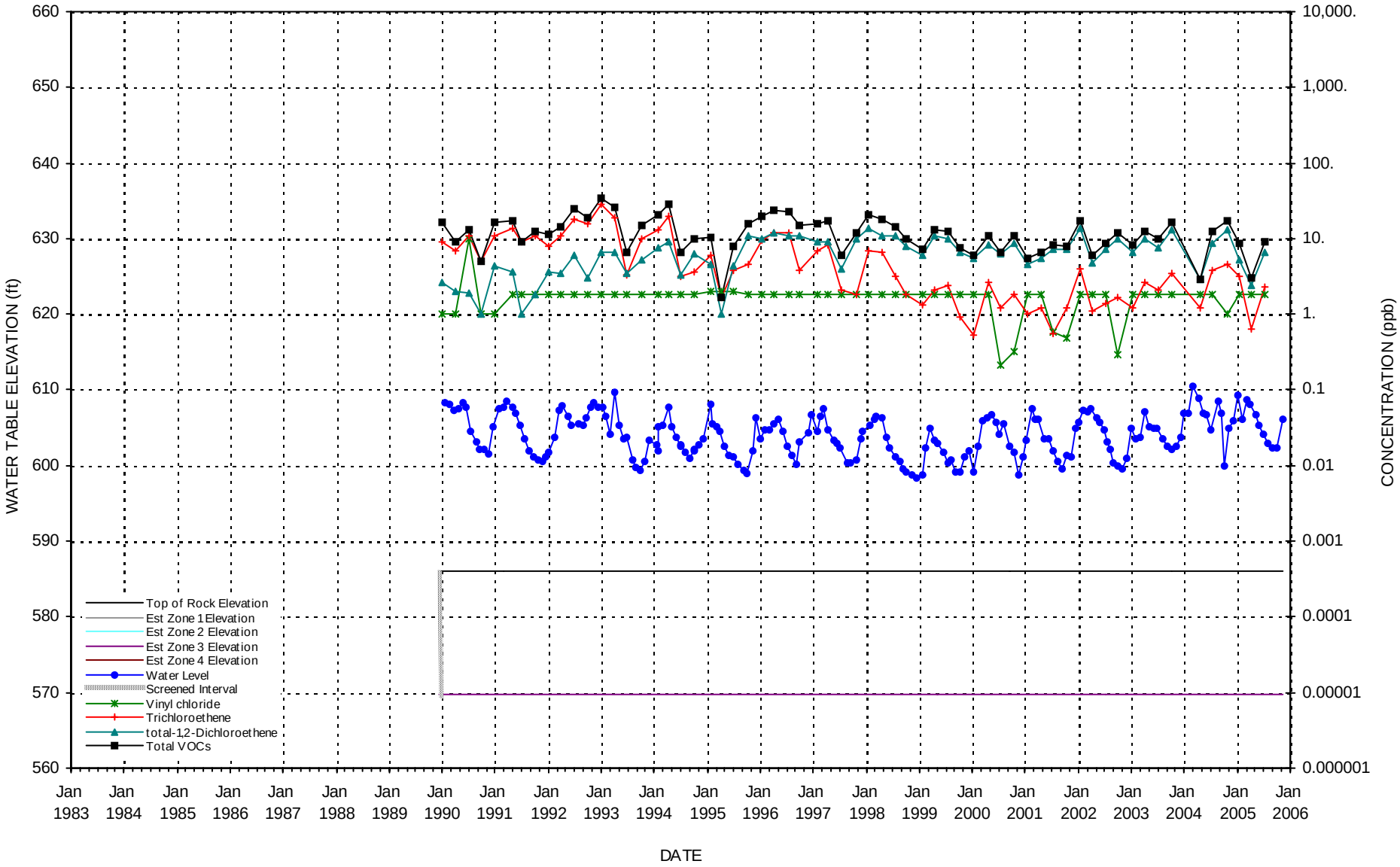
WELL B-30M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-31M



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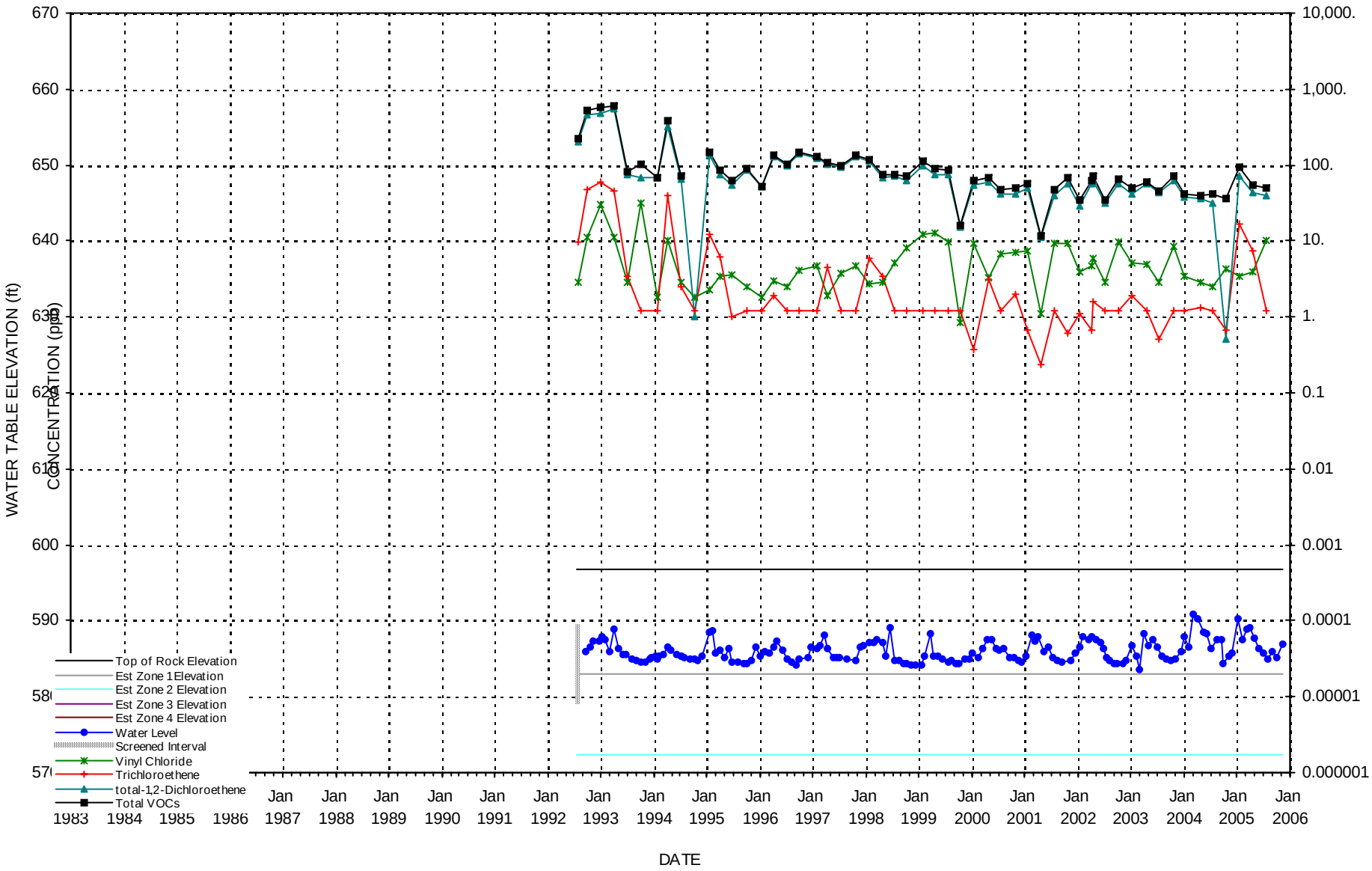
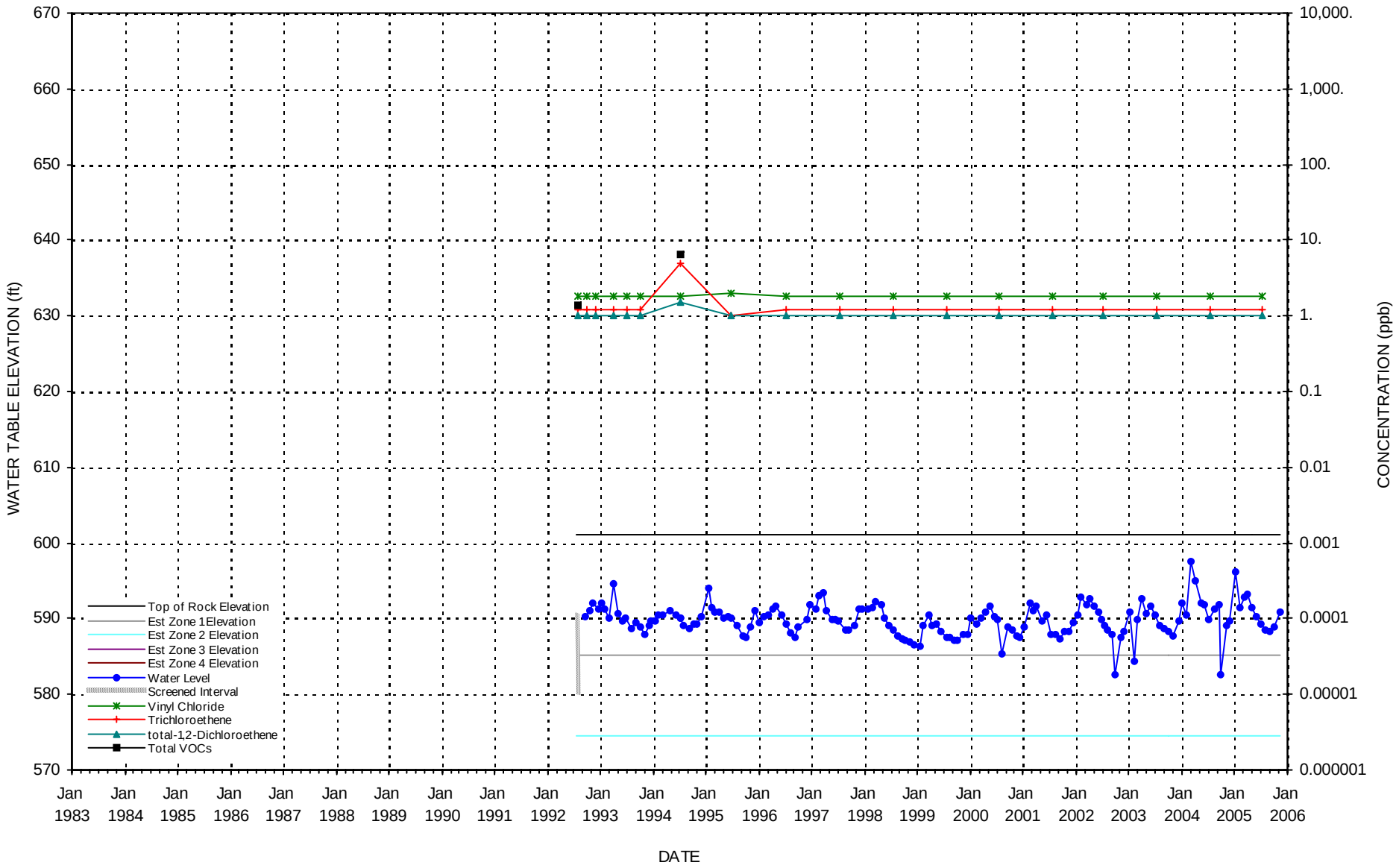
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-32M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-33M



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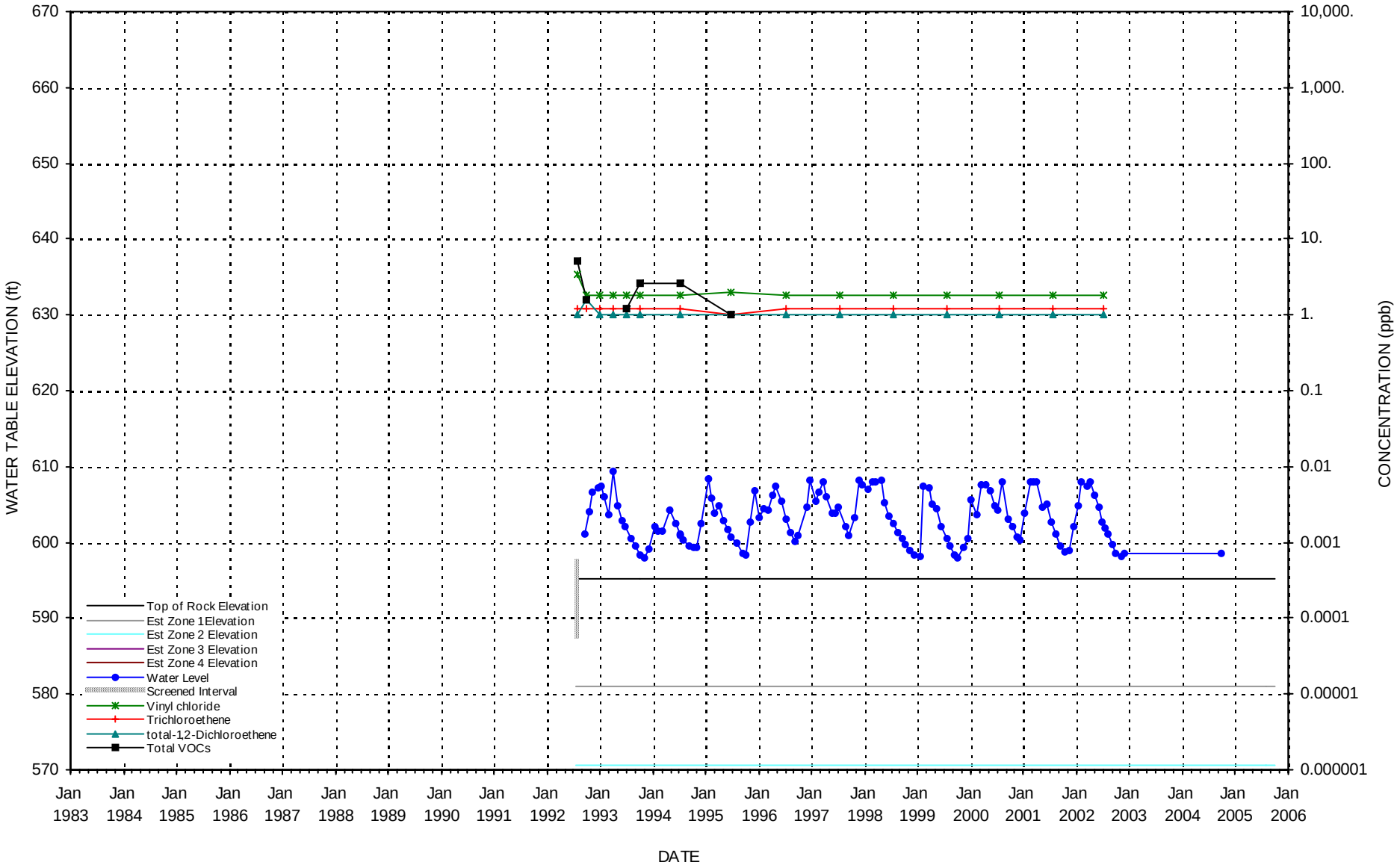
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-34M



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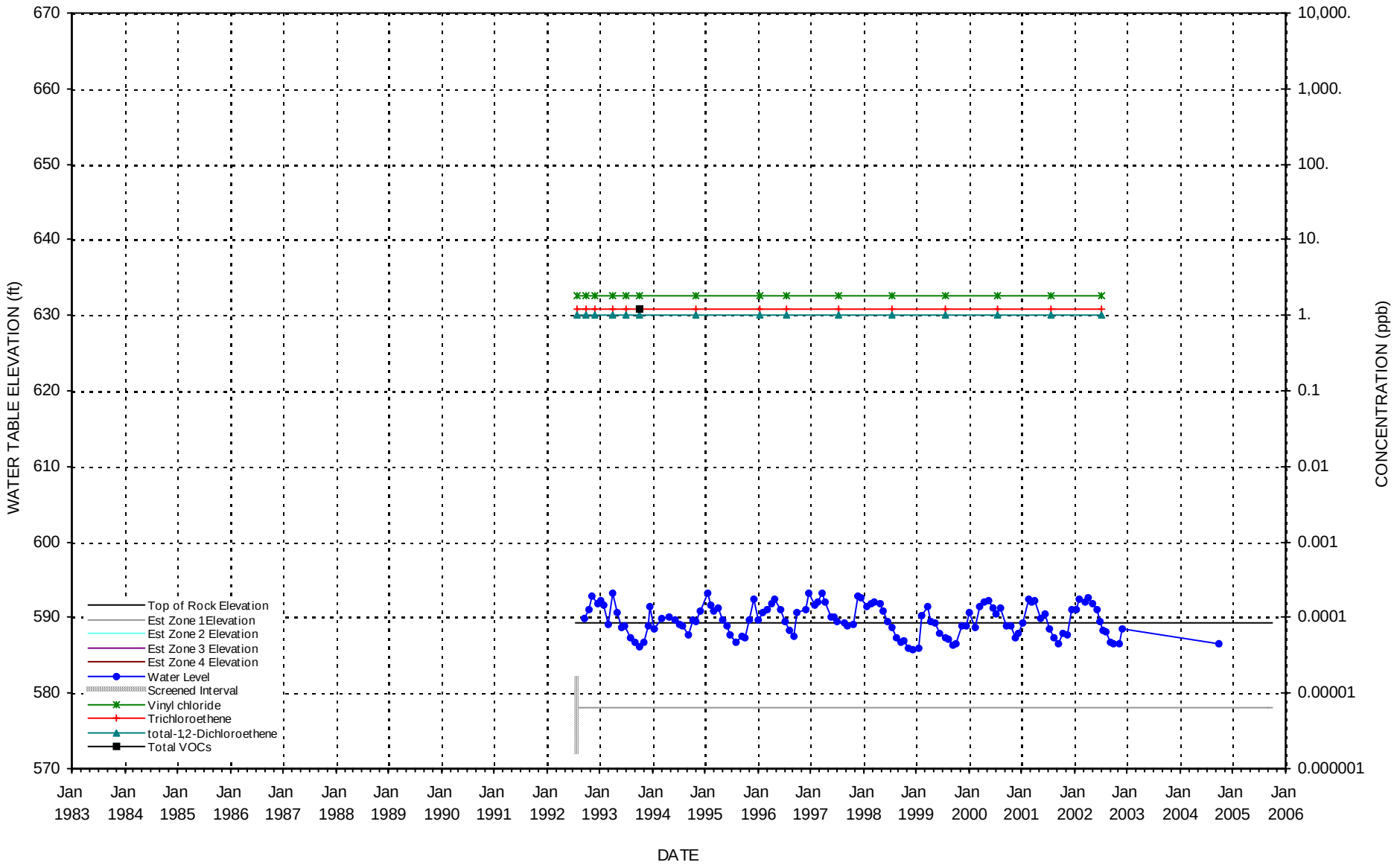
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-35M



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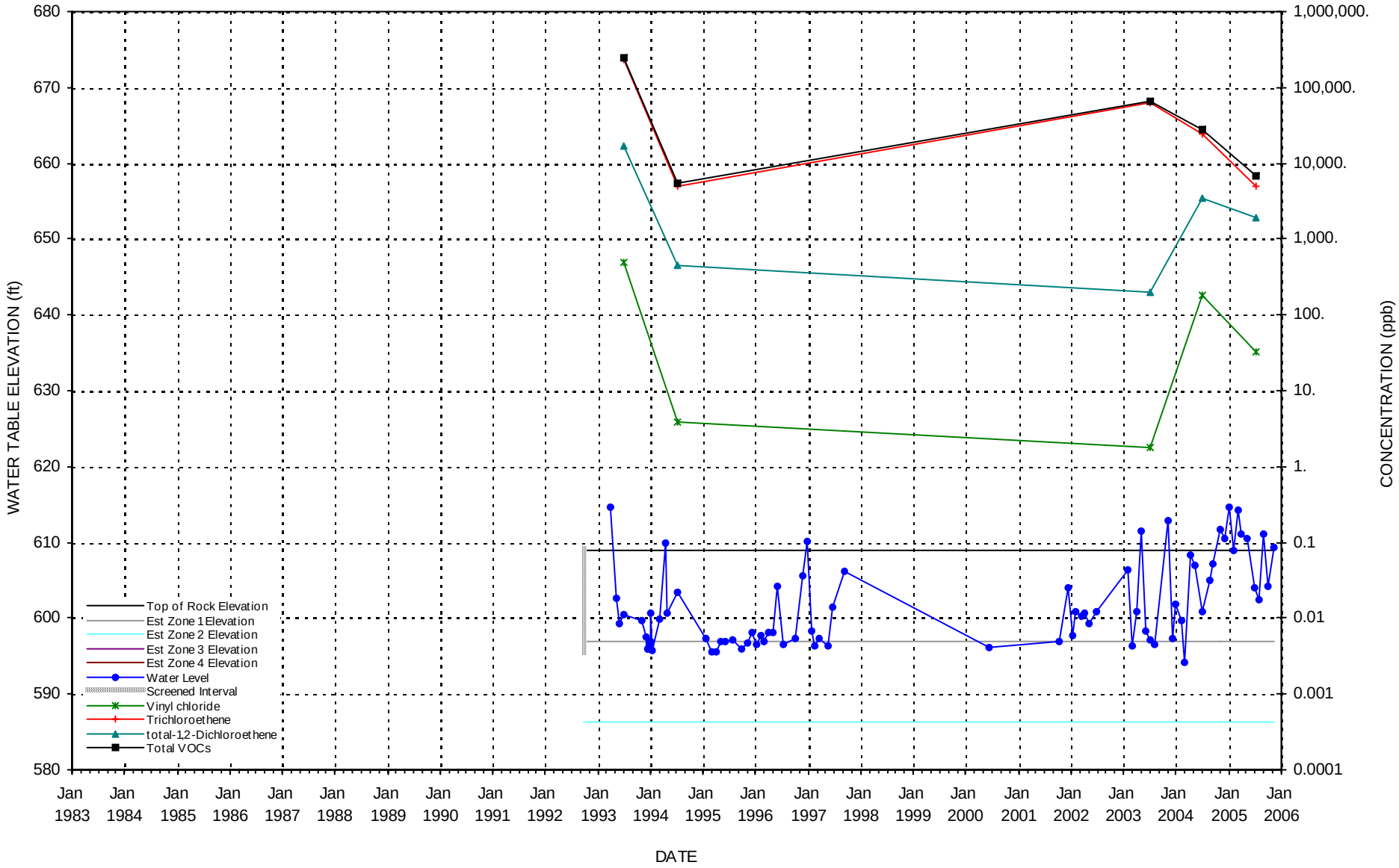
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-37M



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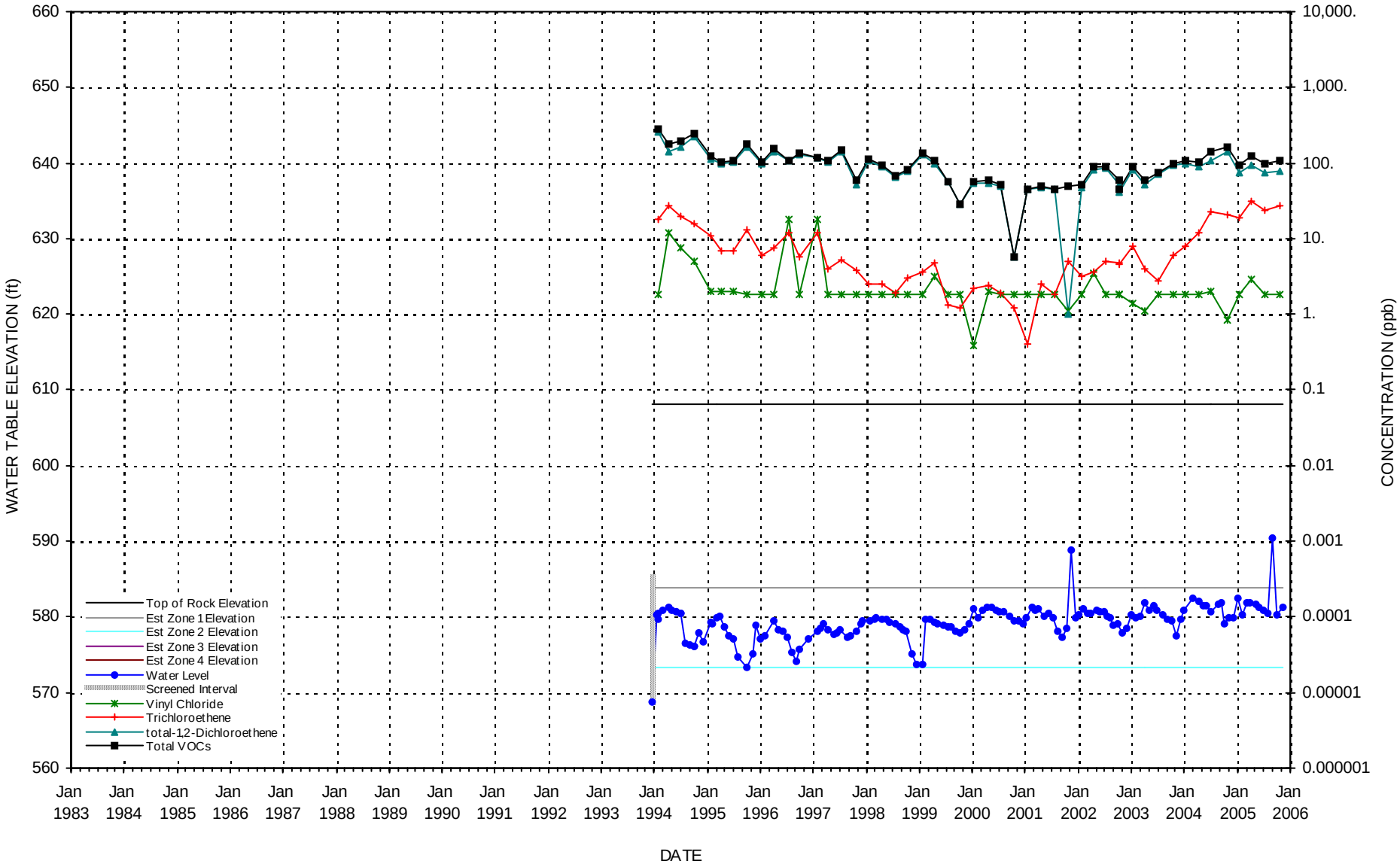
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-38M



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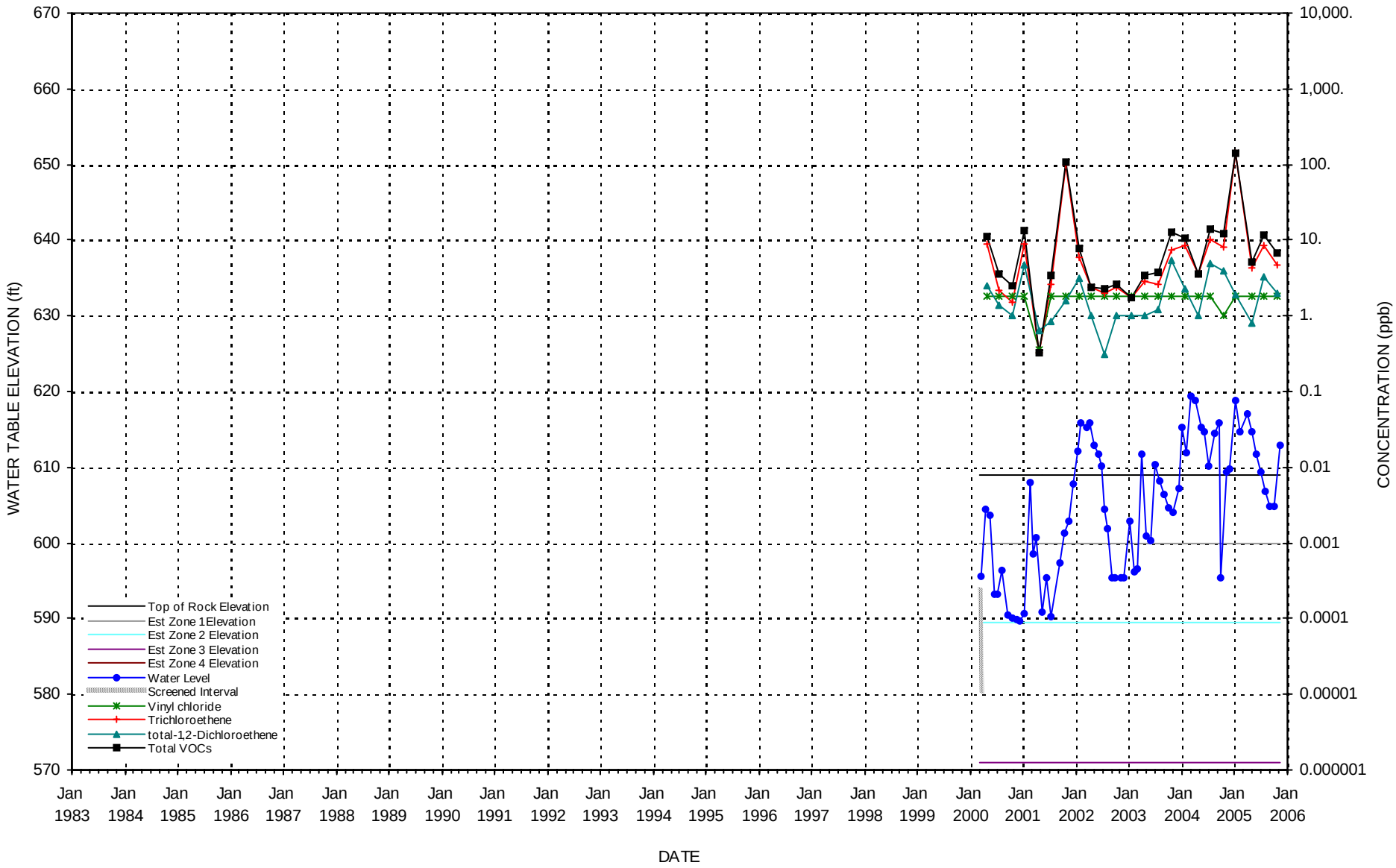
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-39M



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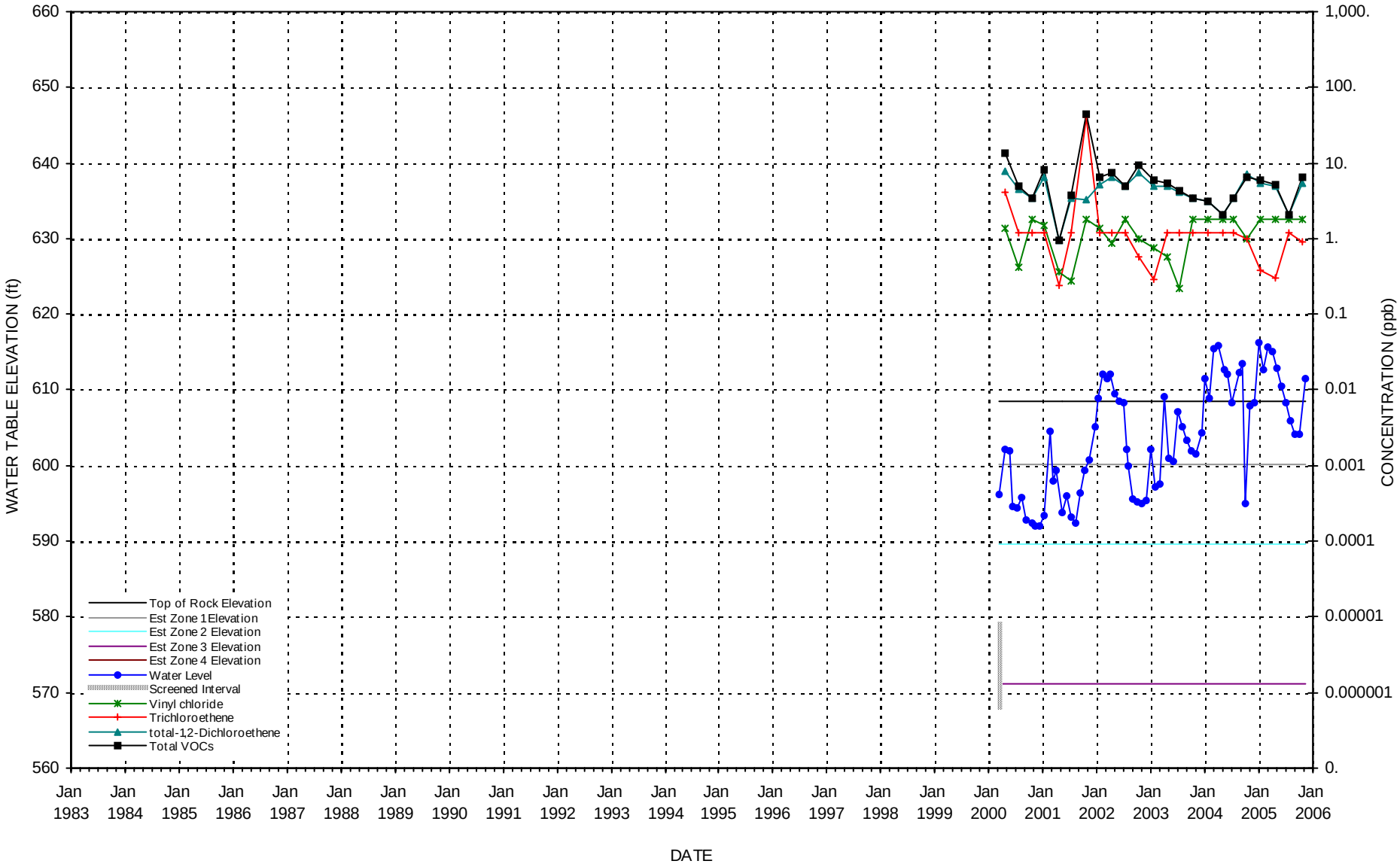
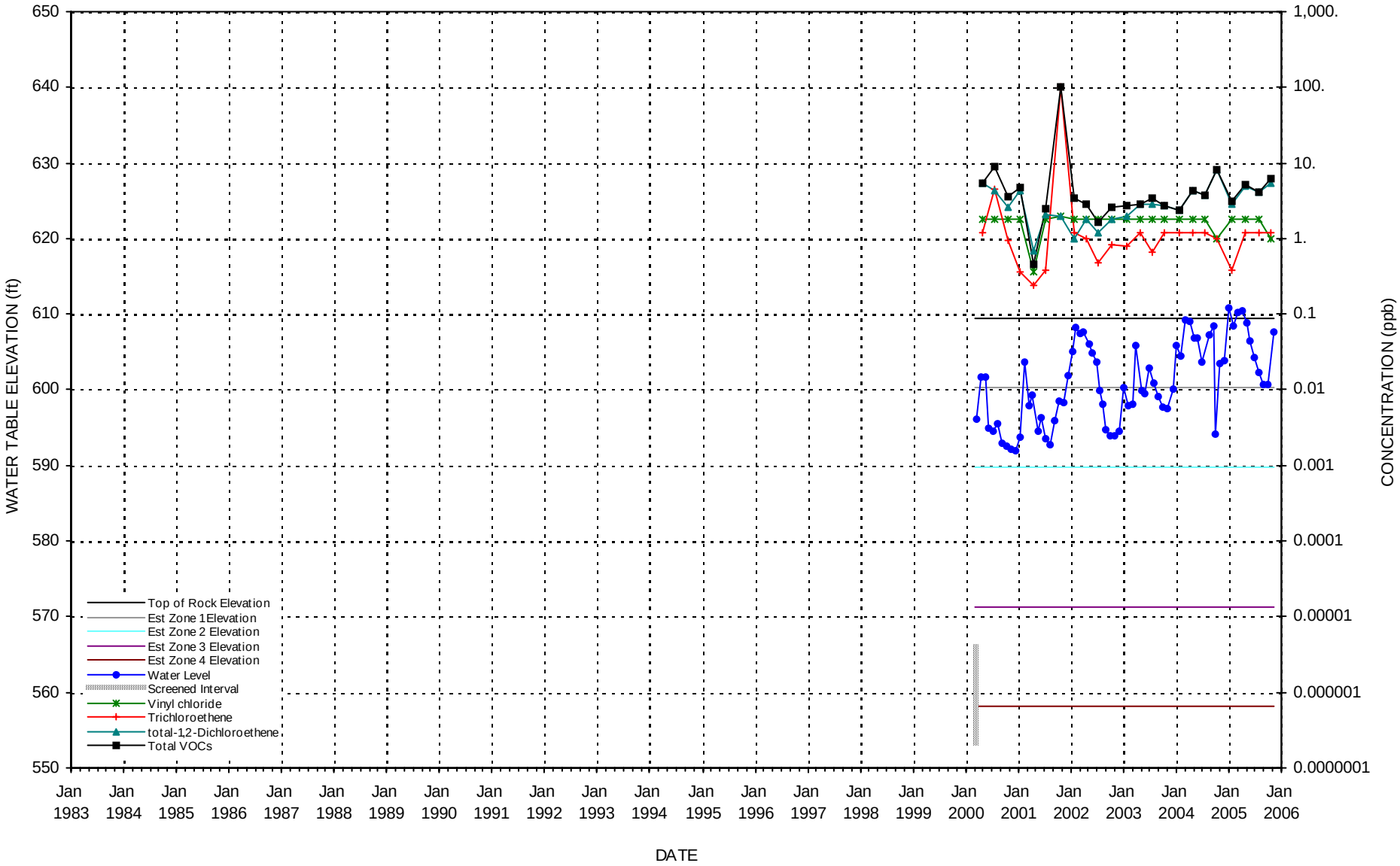
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-40M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-41M



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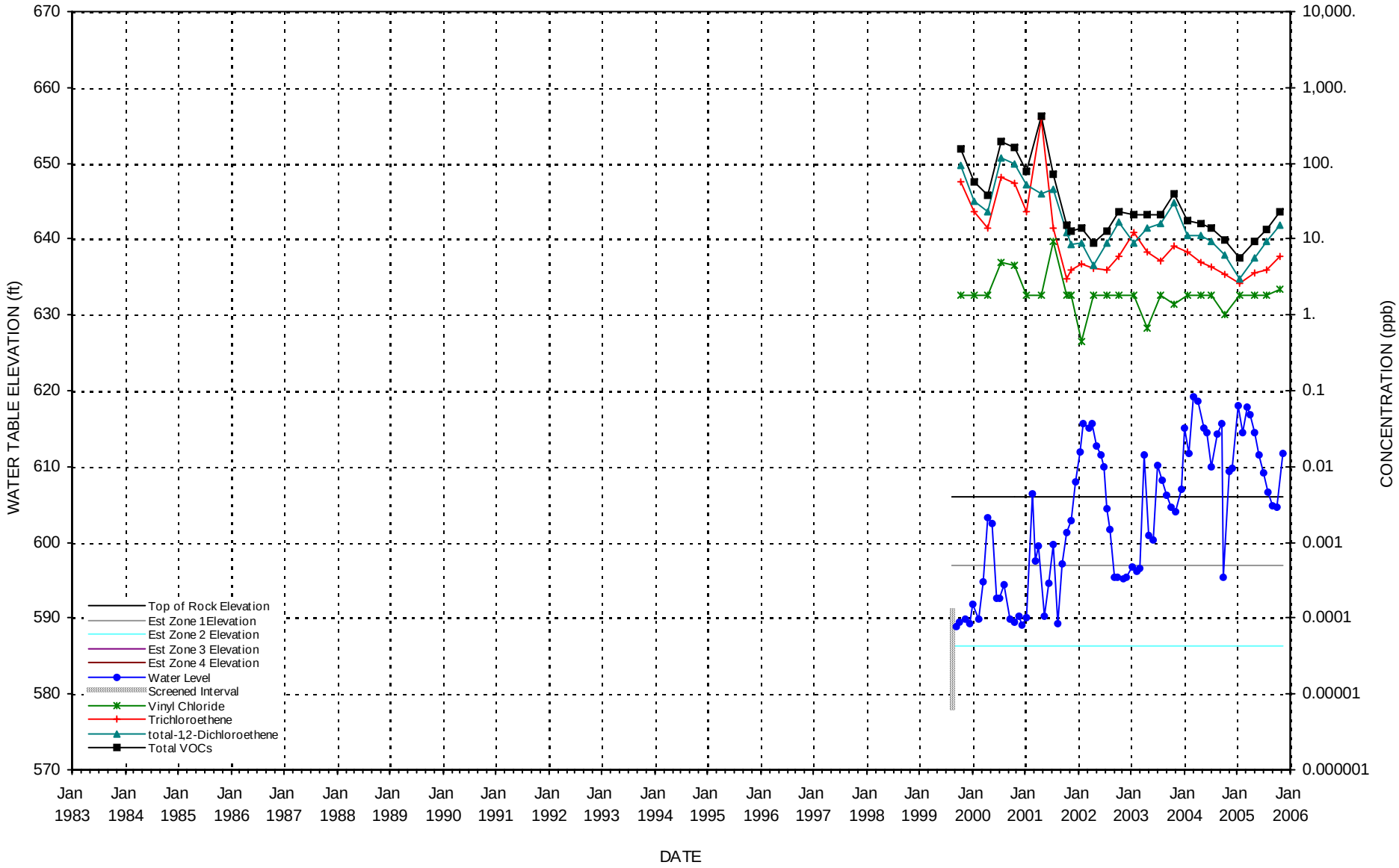
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-42M



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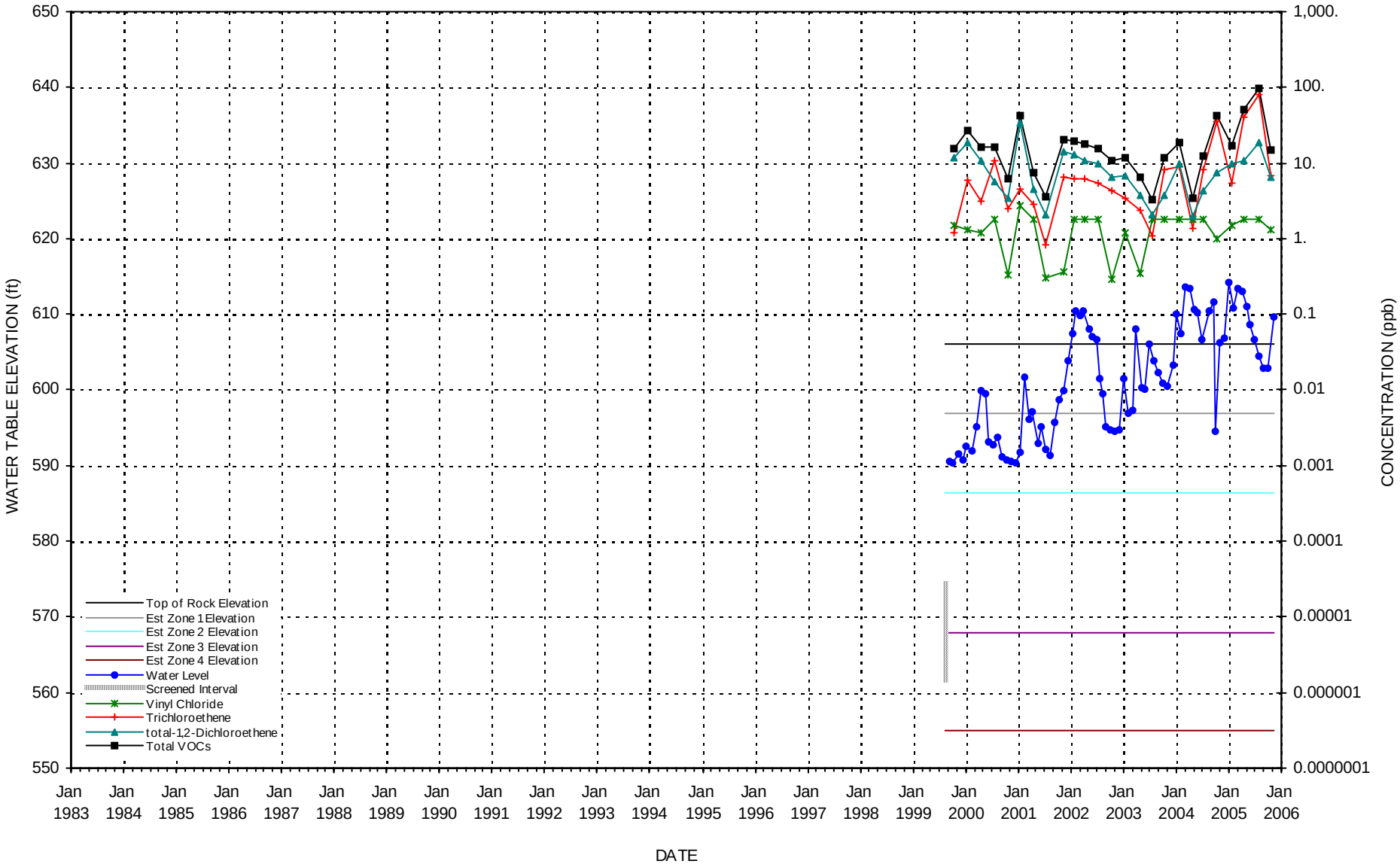
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-43M



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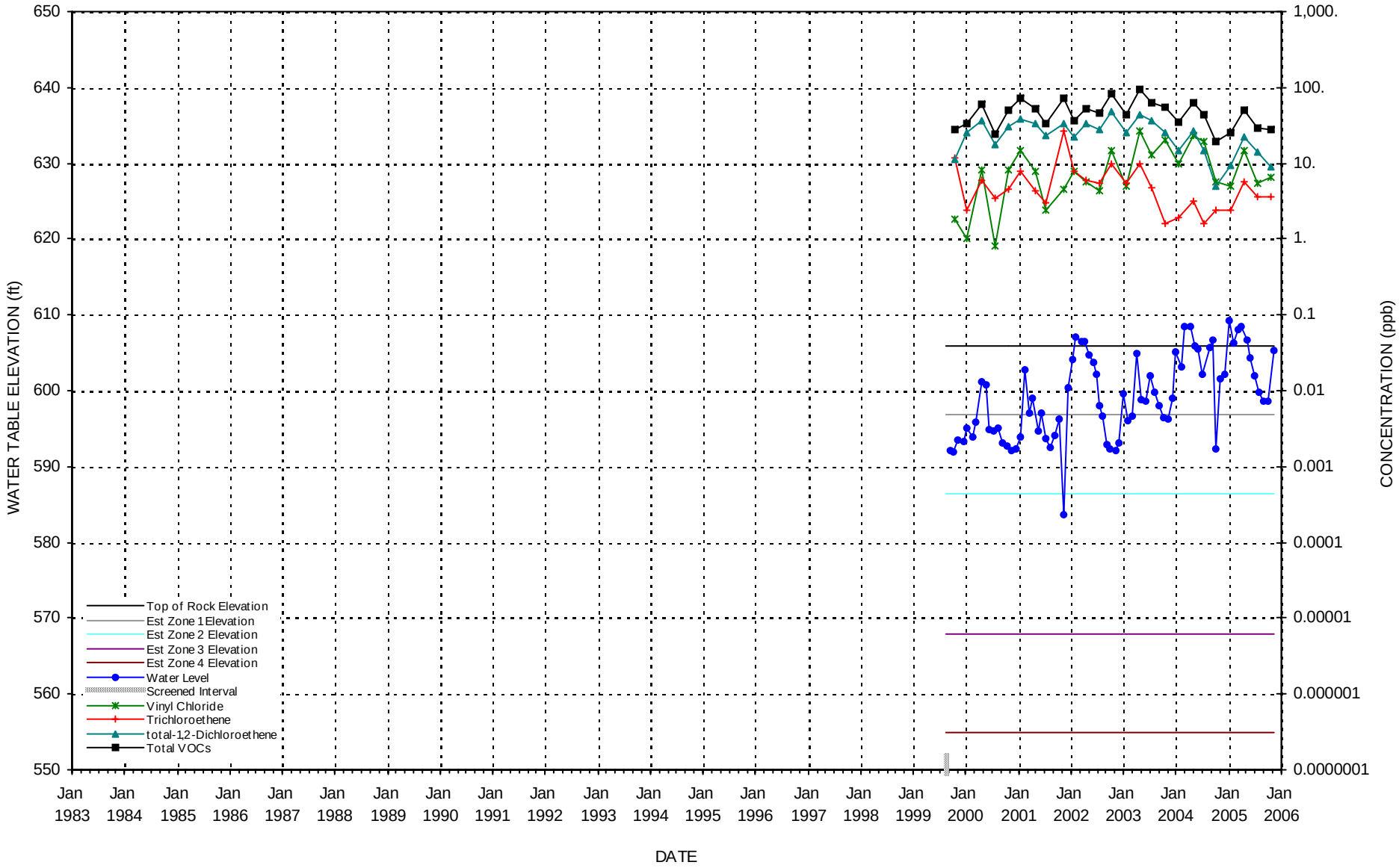
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-44M



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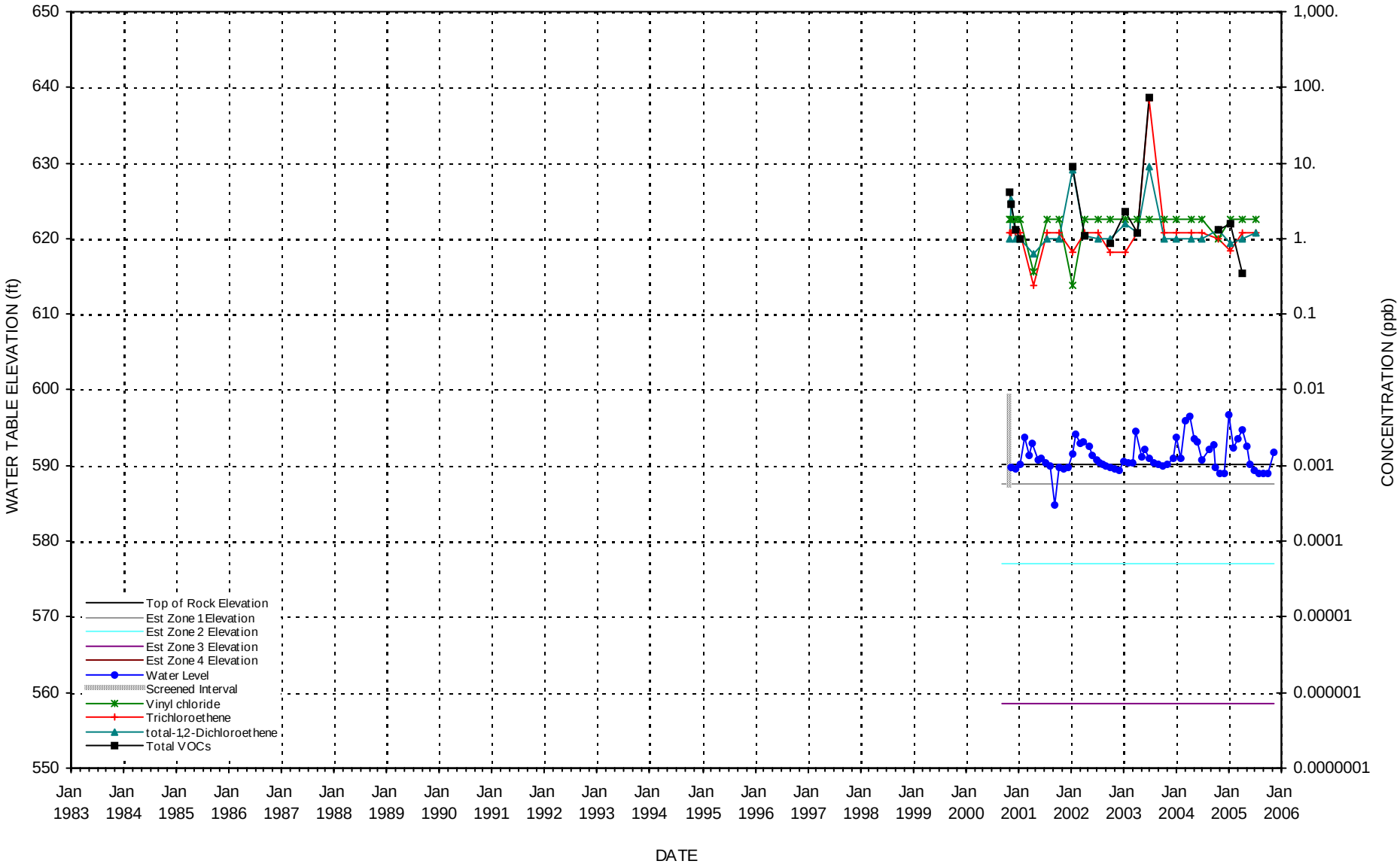
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-45M



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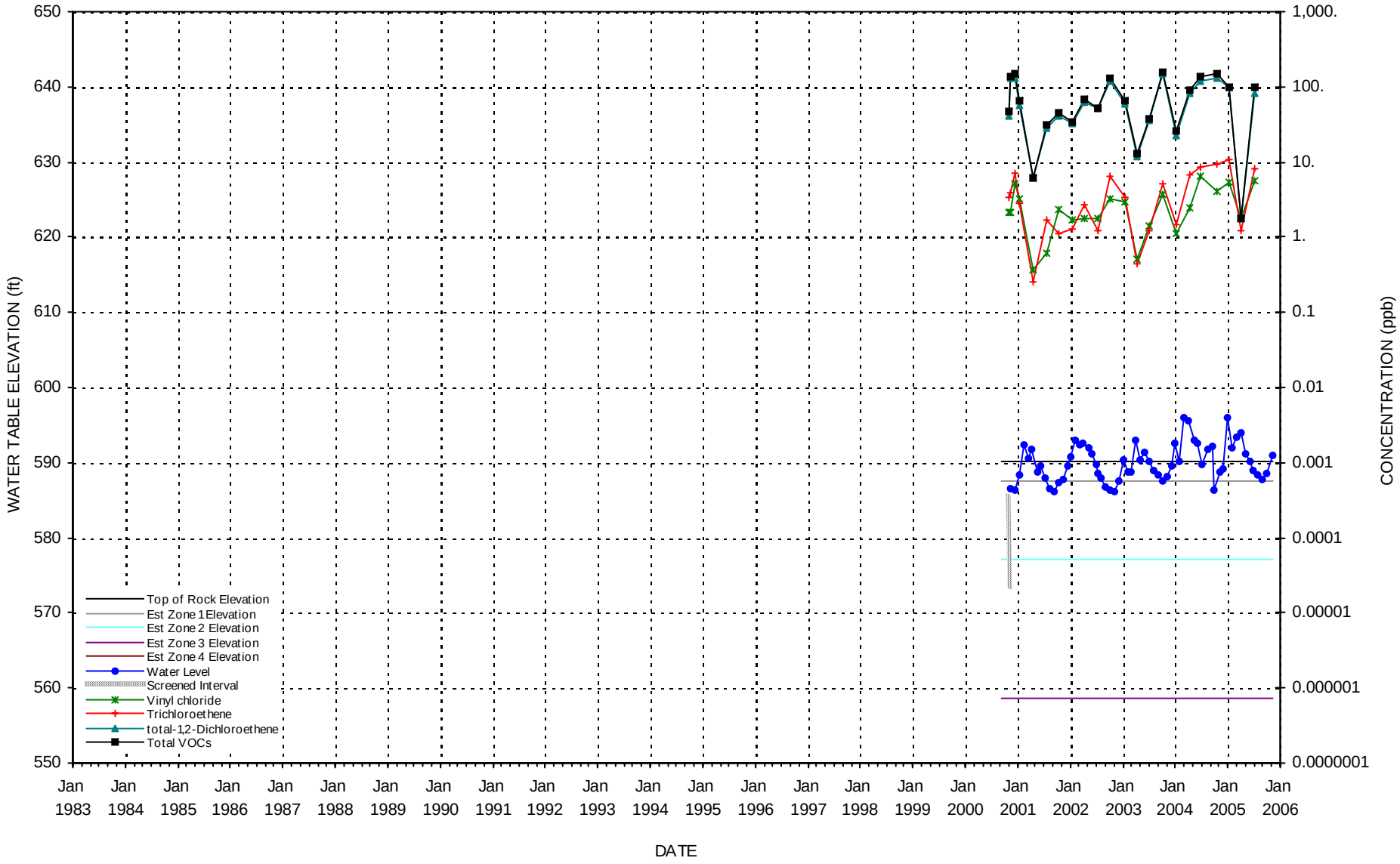
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-46M



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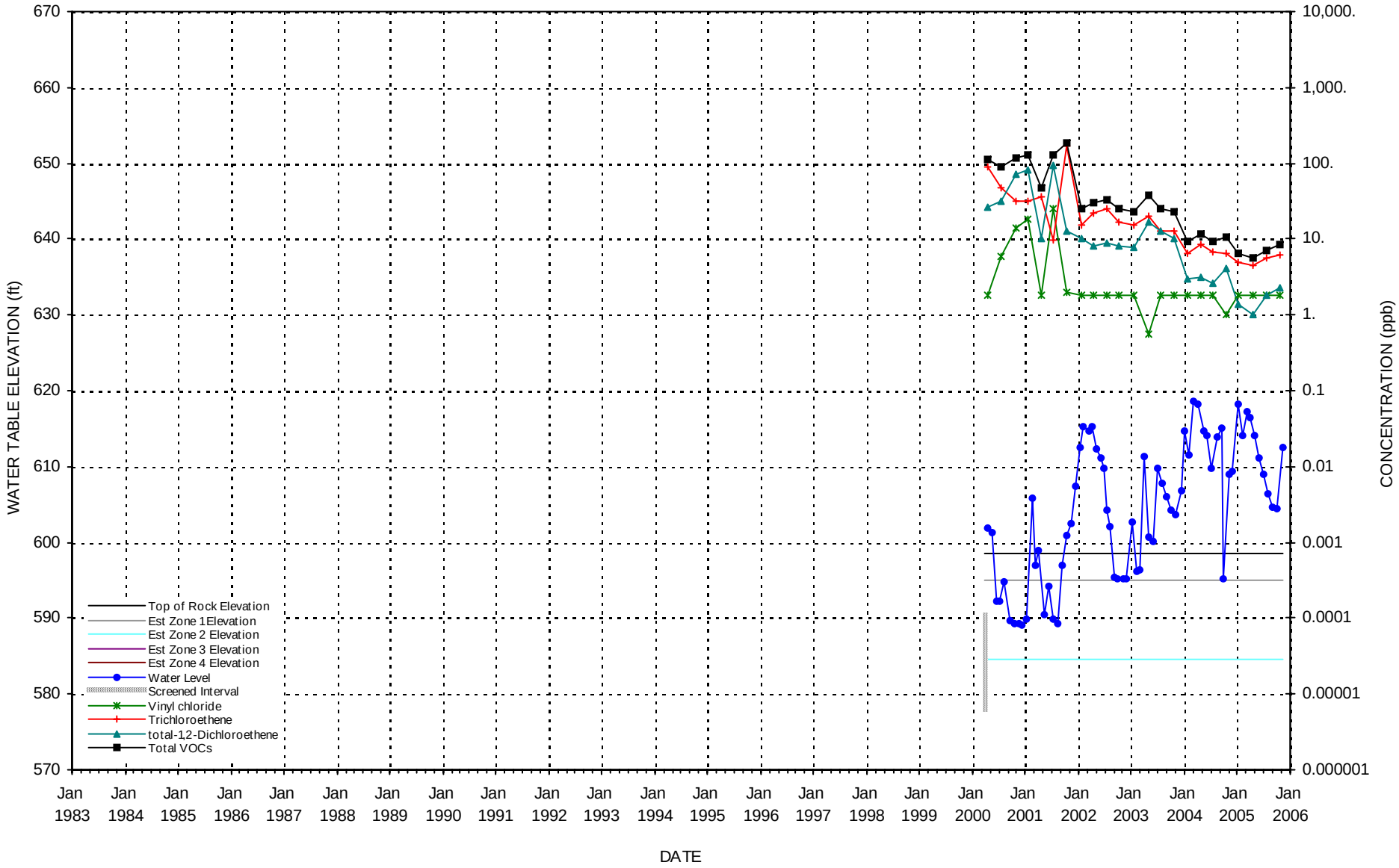
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-48M



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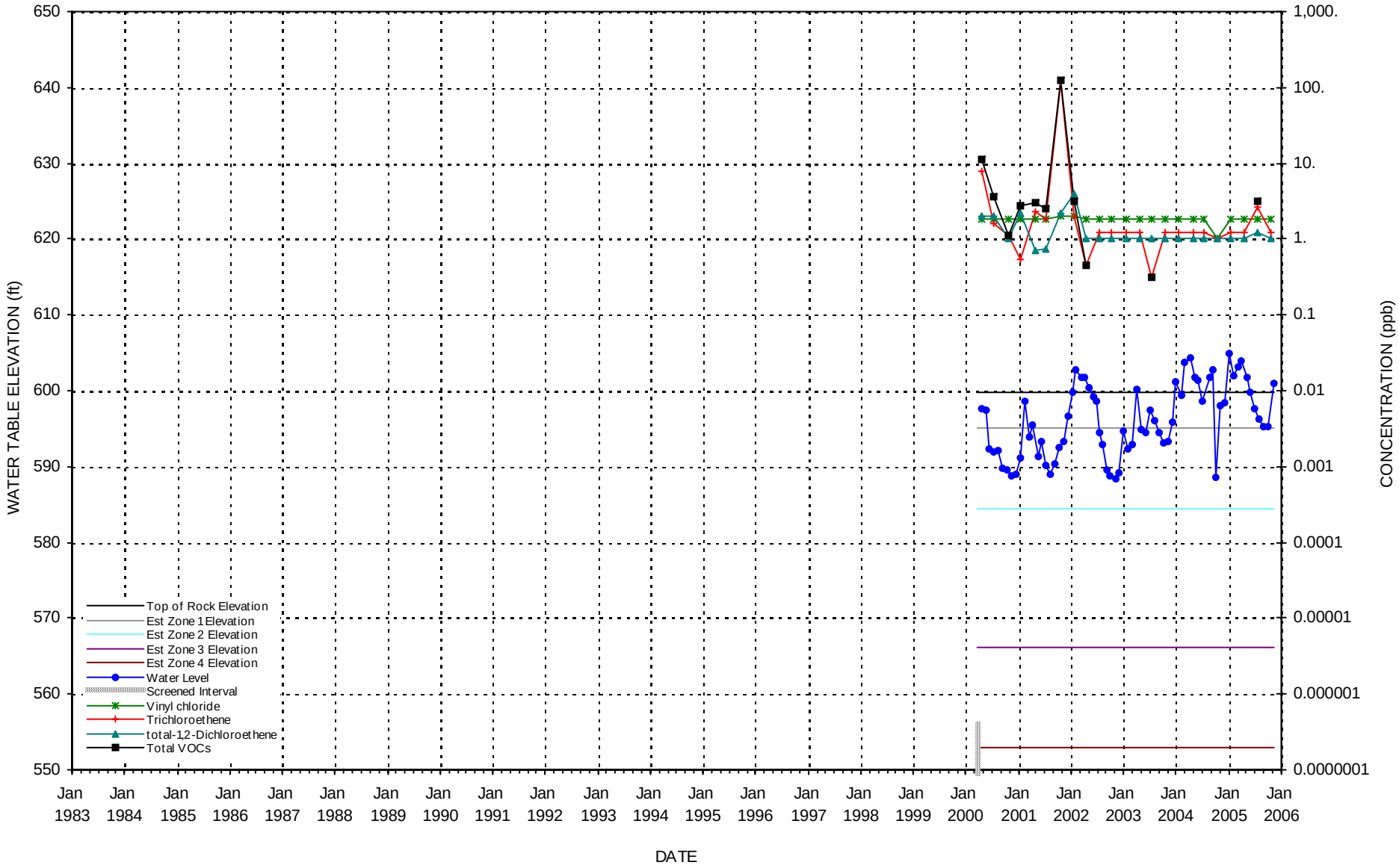
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-49M



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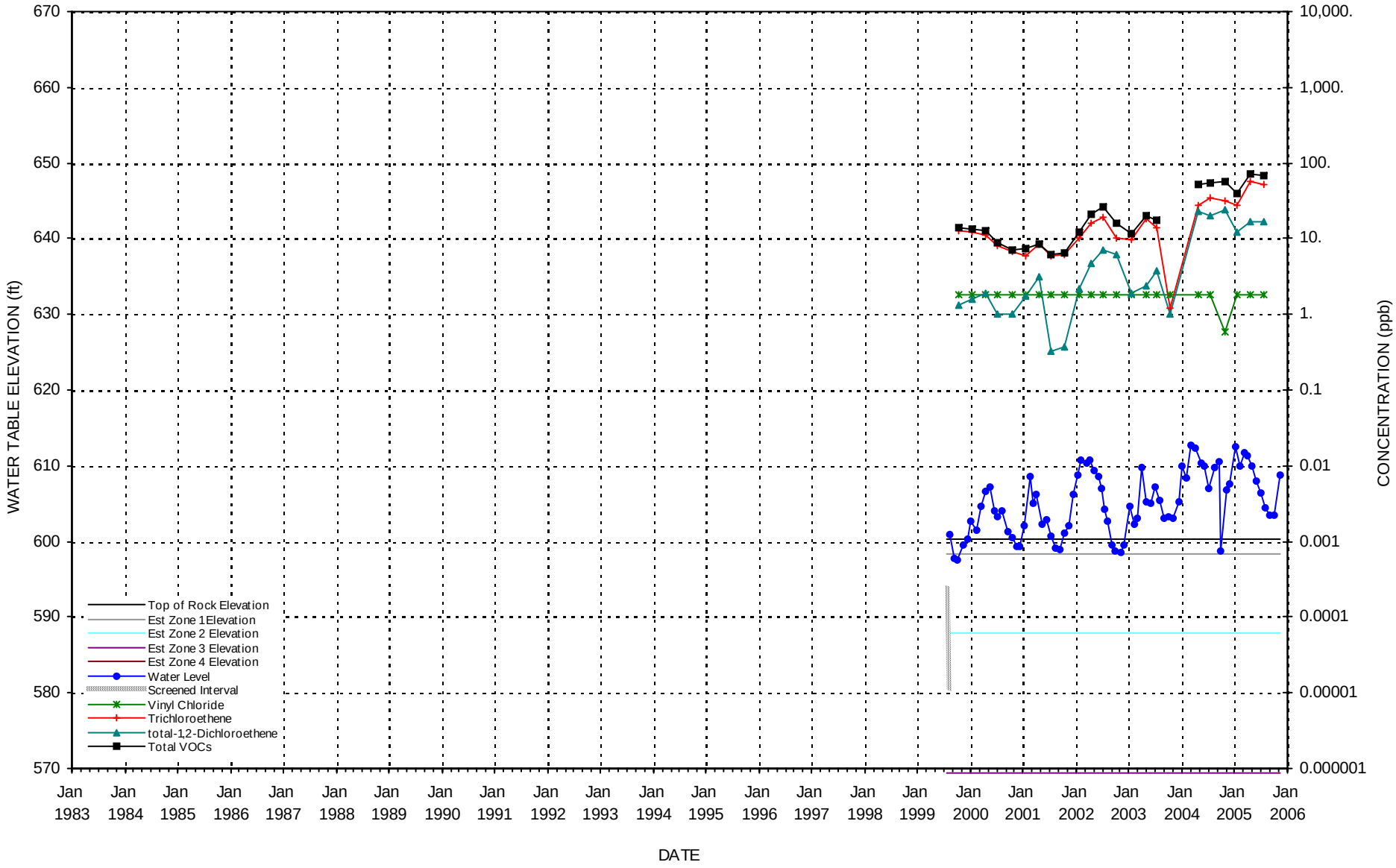
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-50M



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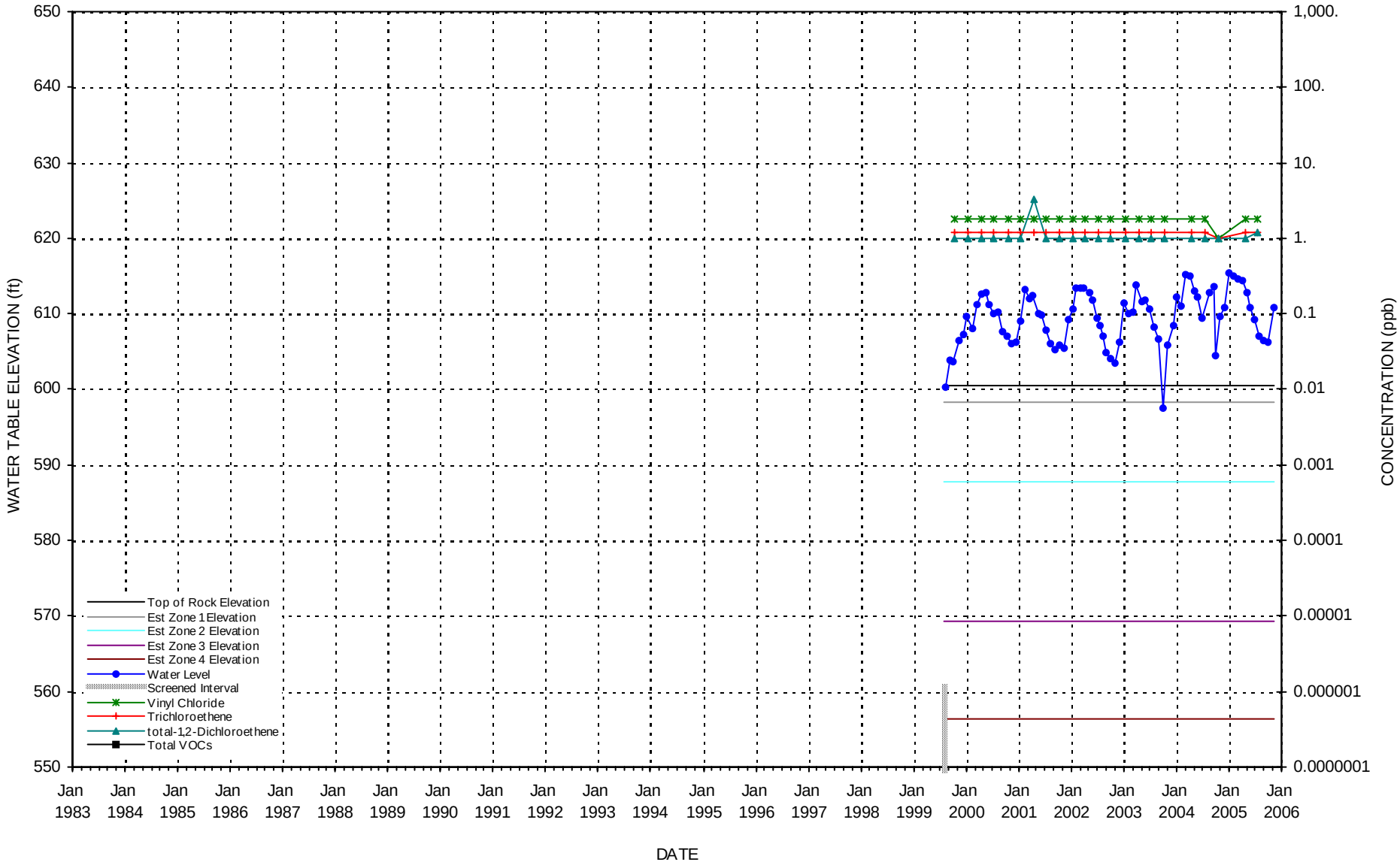
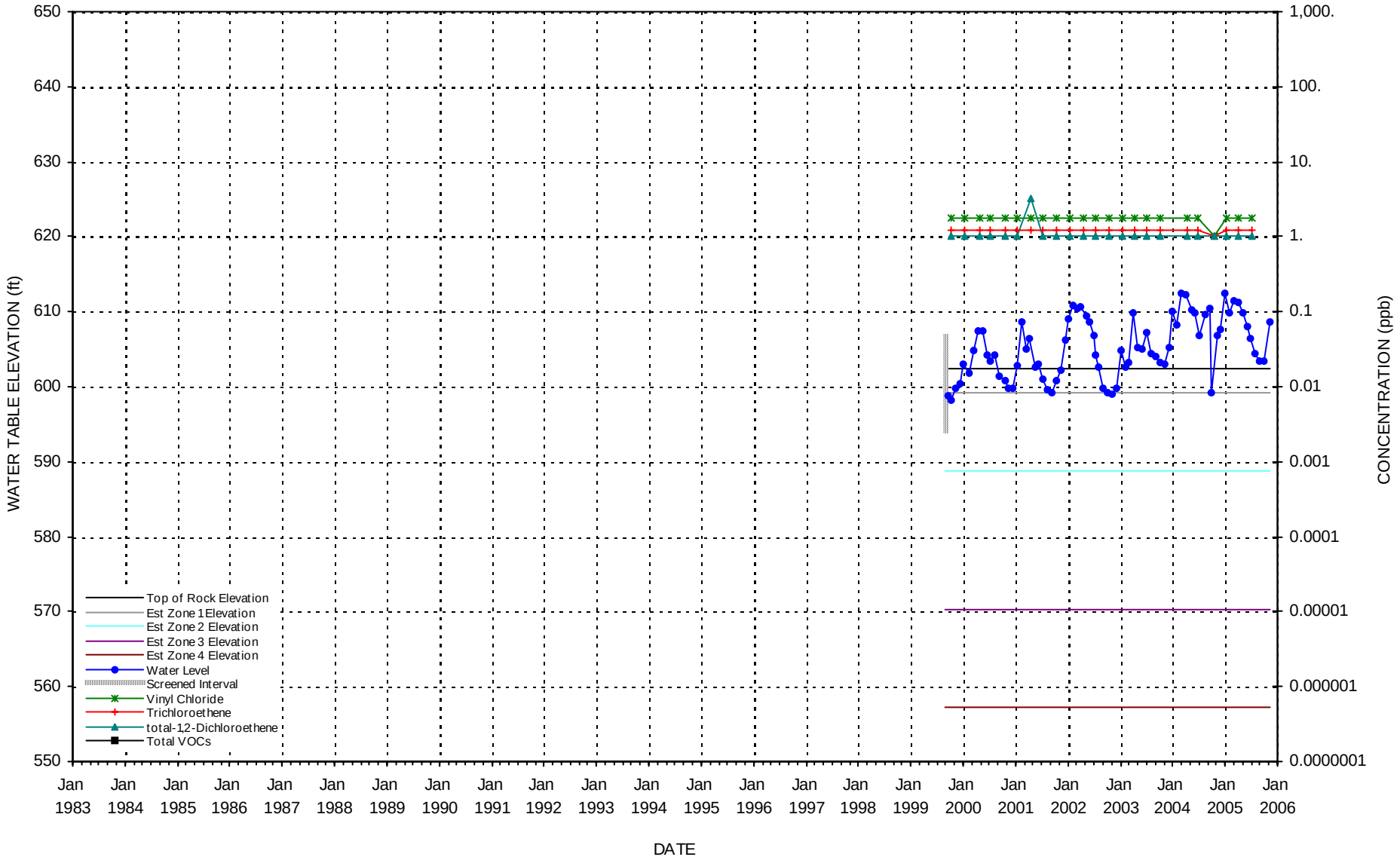
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-51M



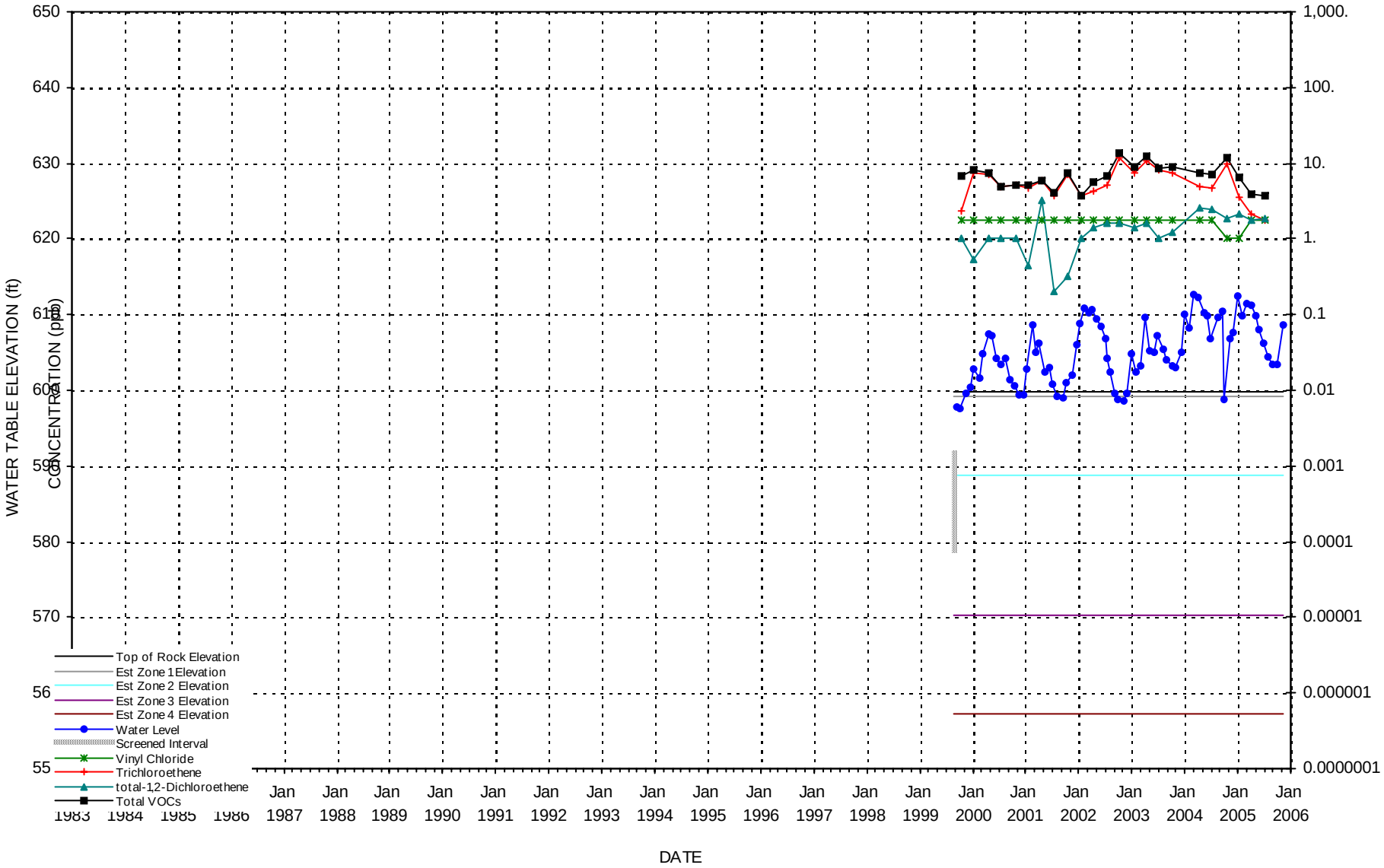
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-52M



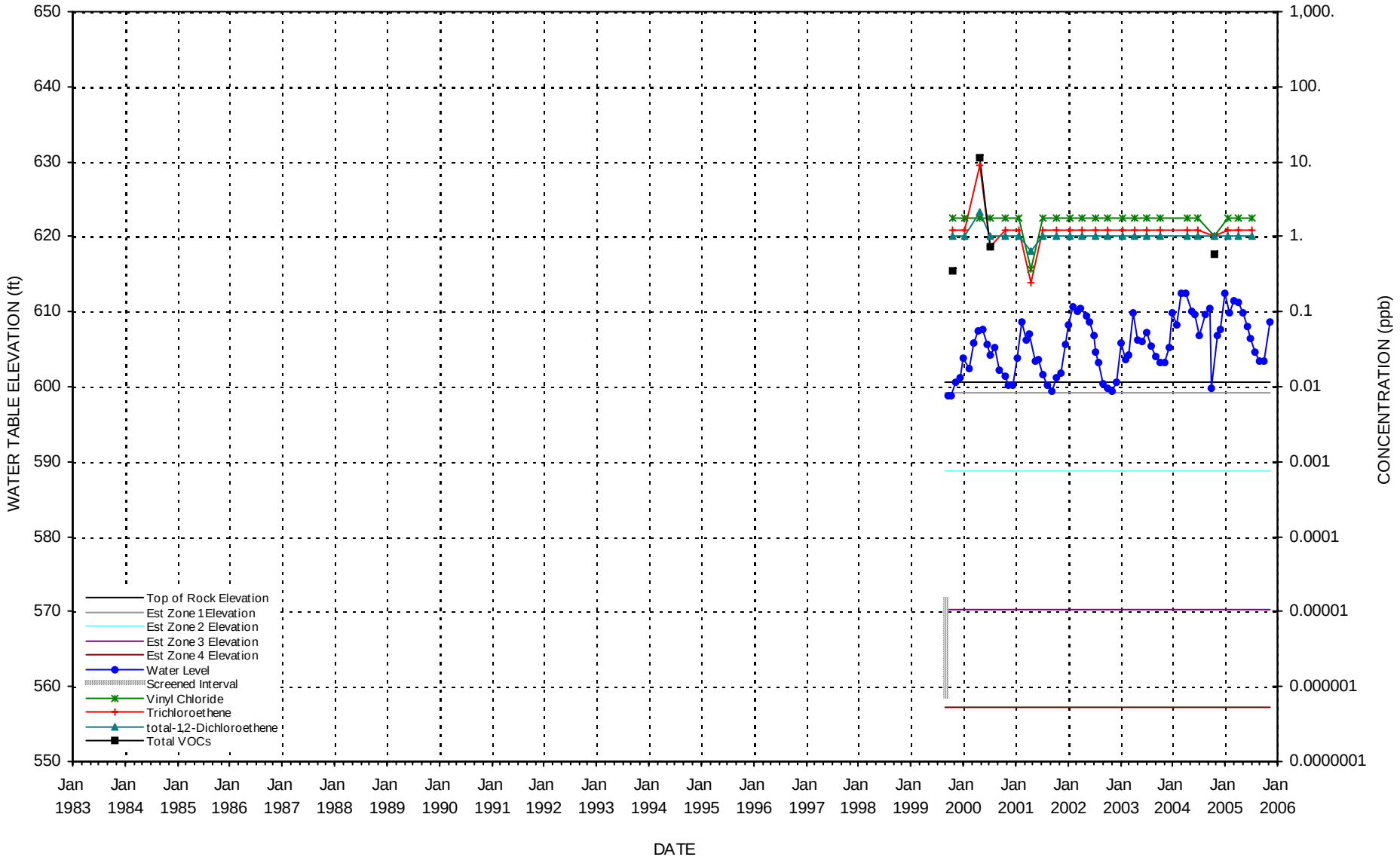
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-53M



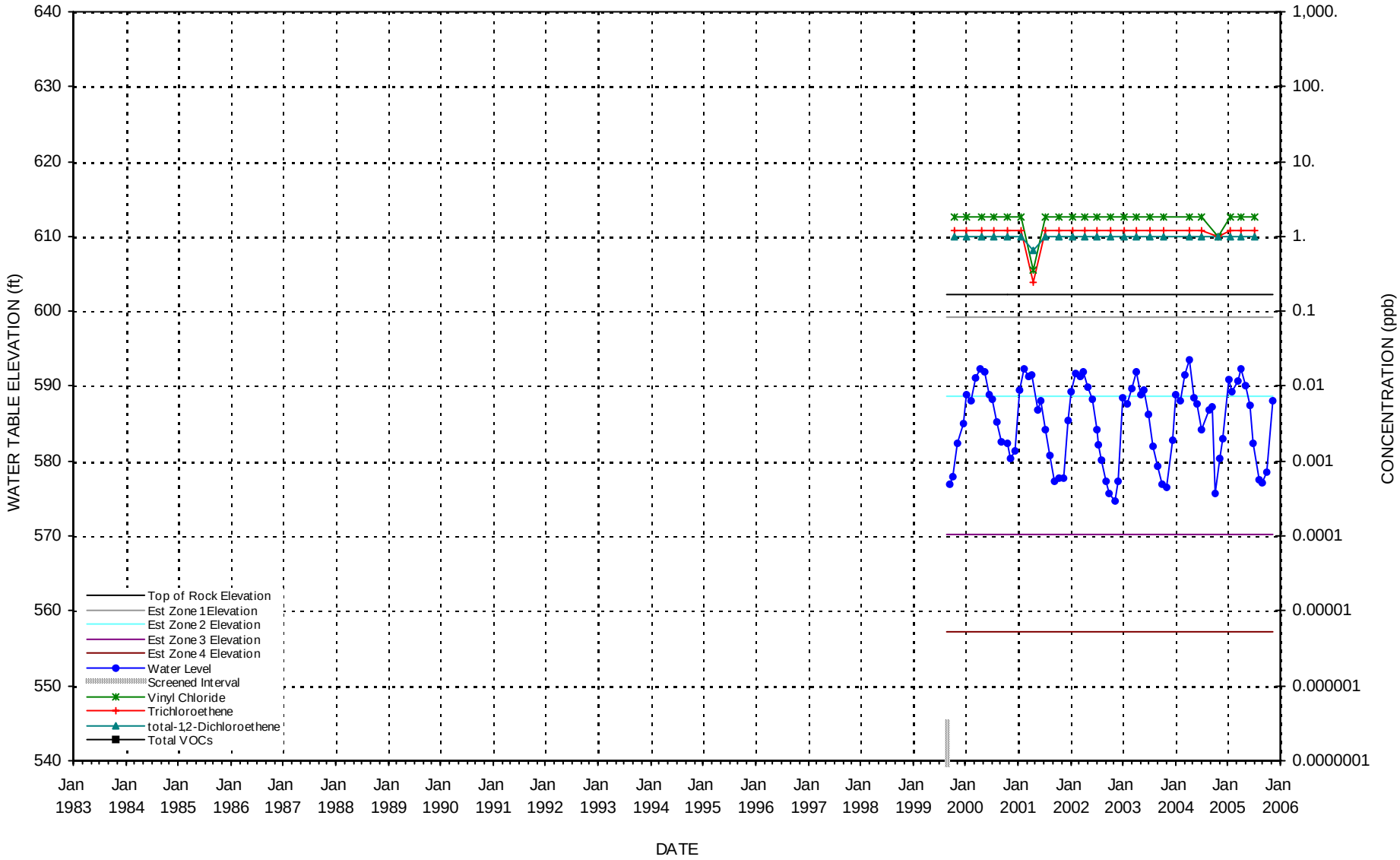
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-54M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-55M



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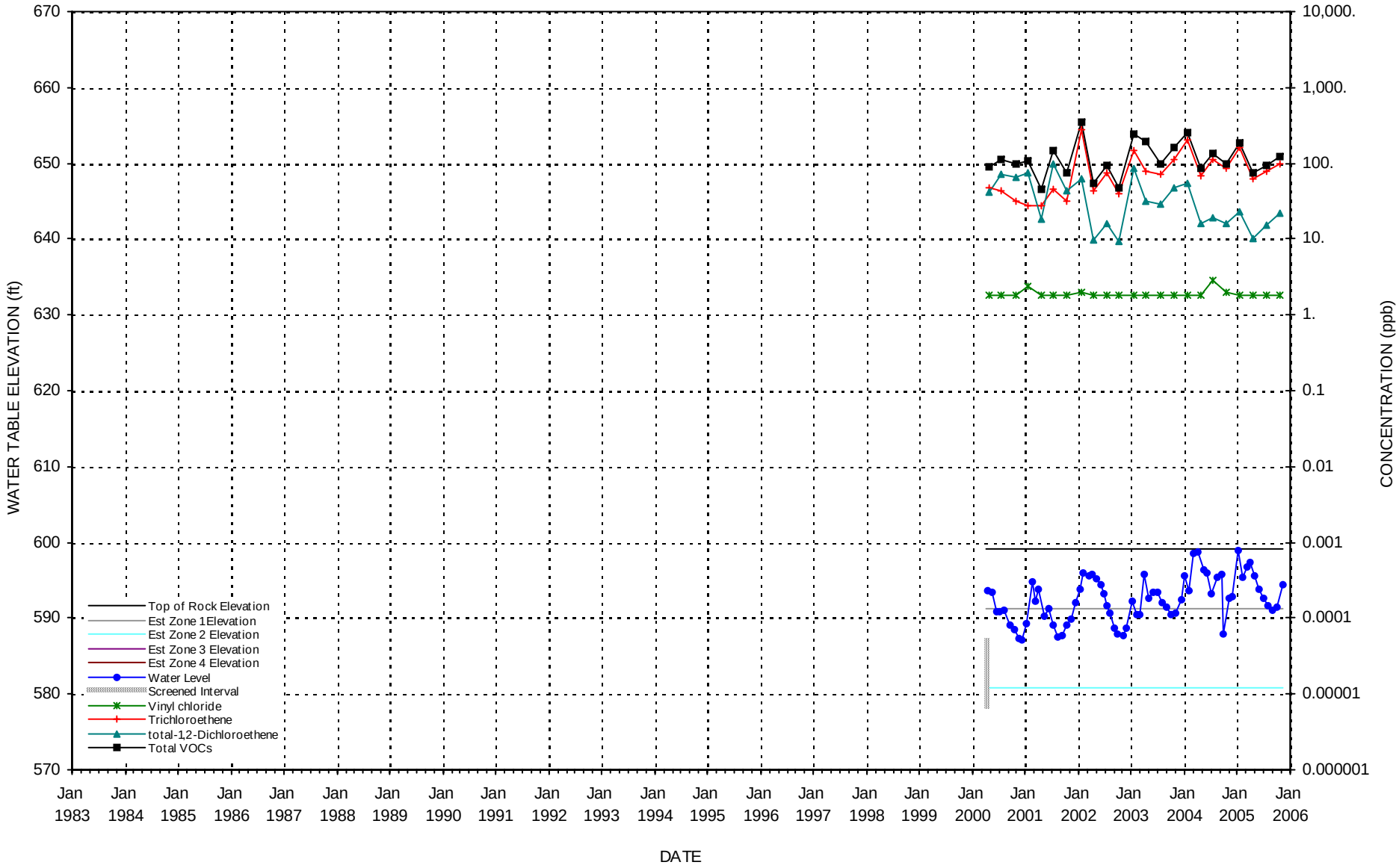
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-56M



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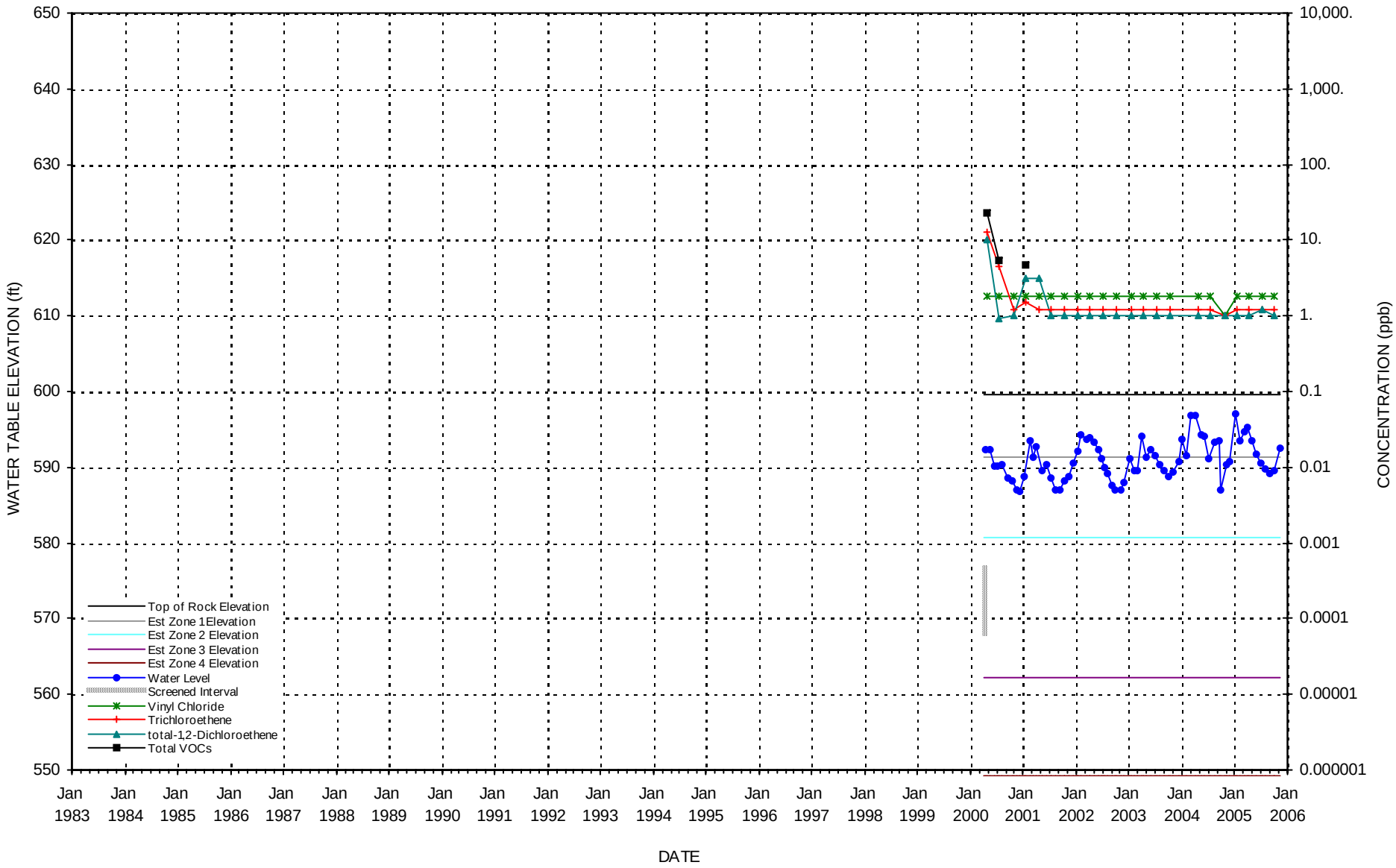
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-57M



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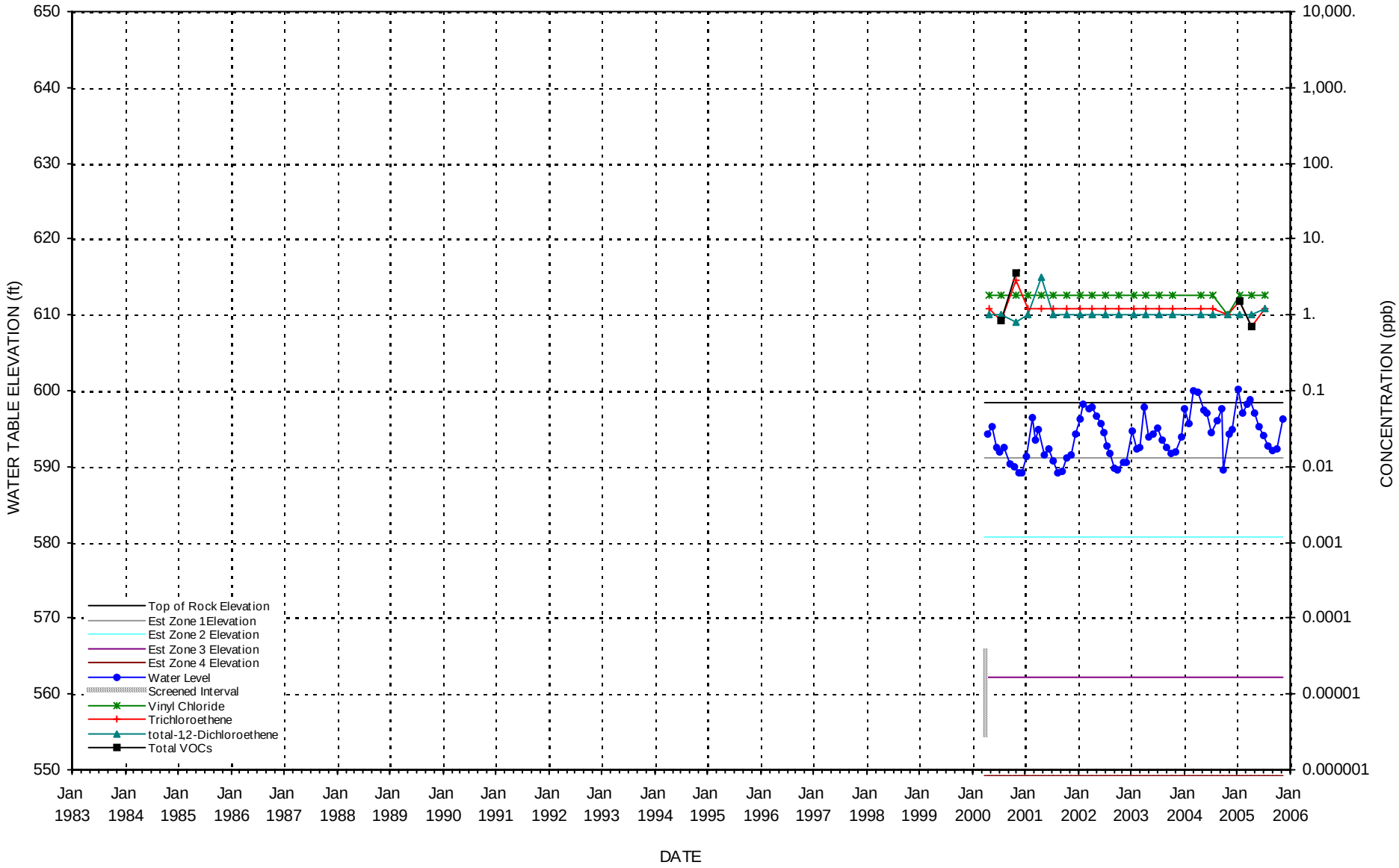
PARSONS

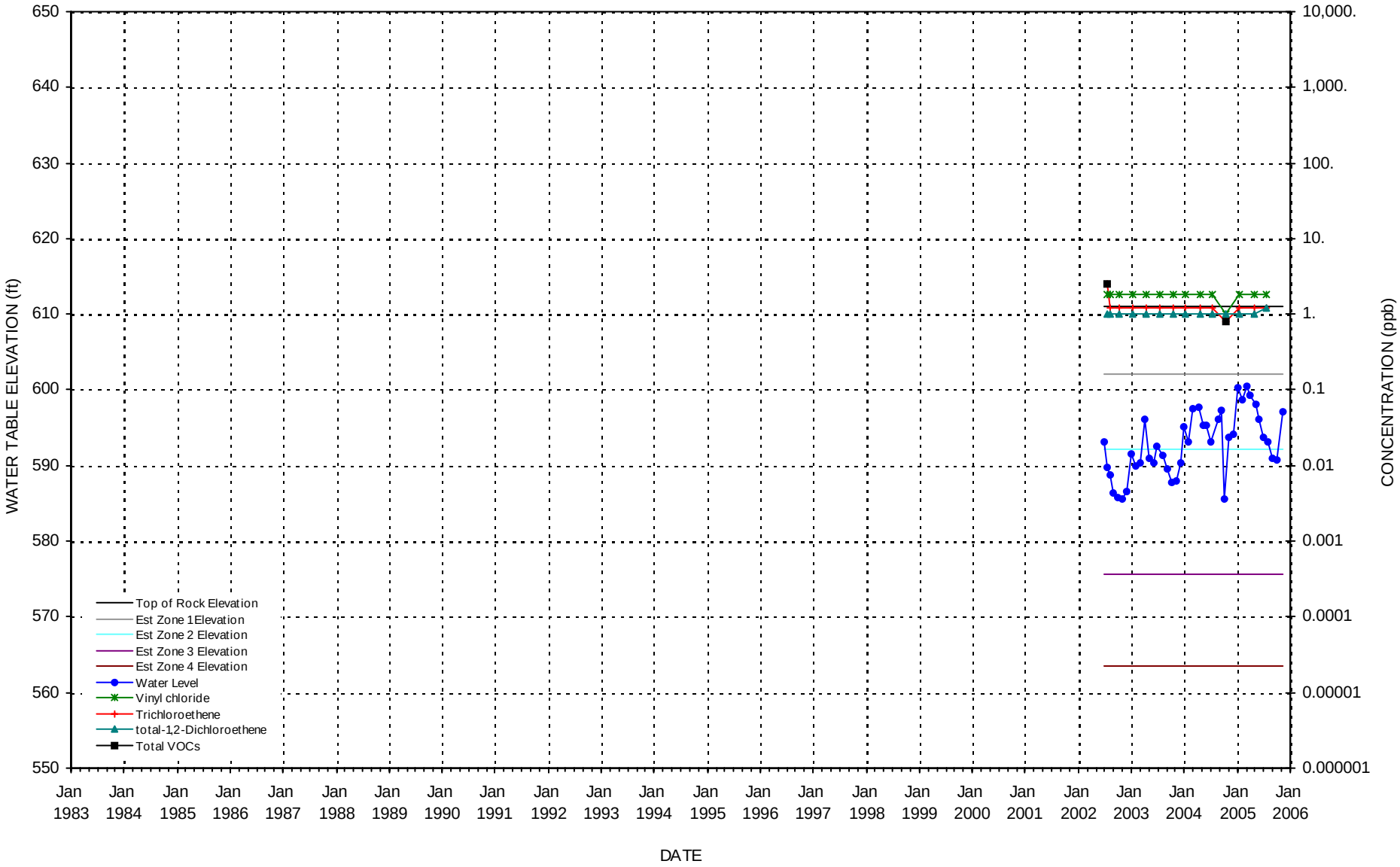
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-58M



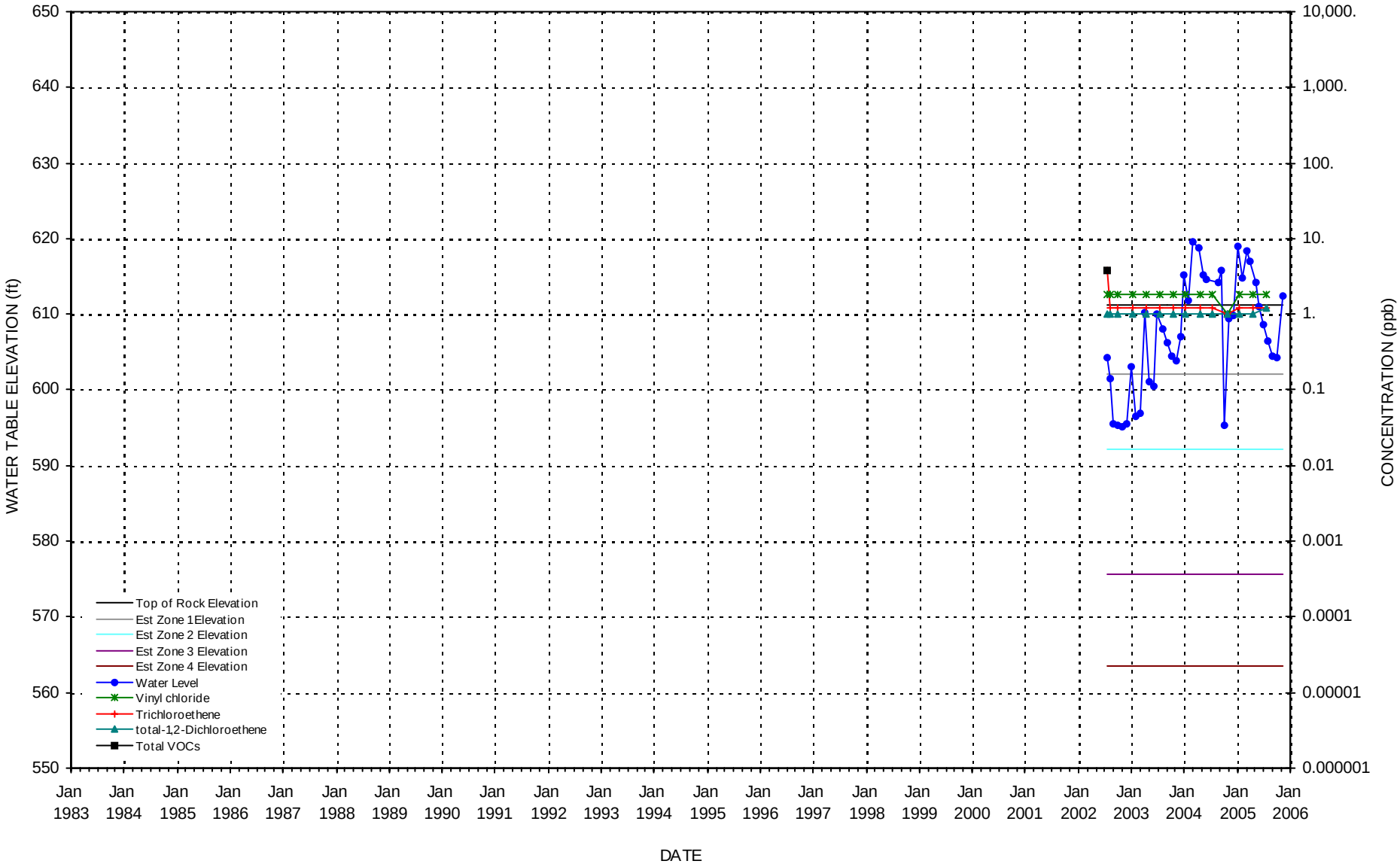
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-59M



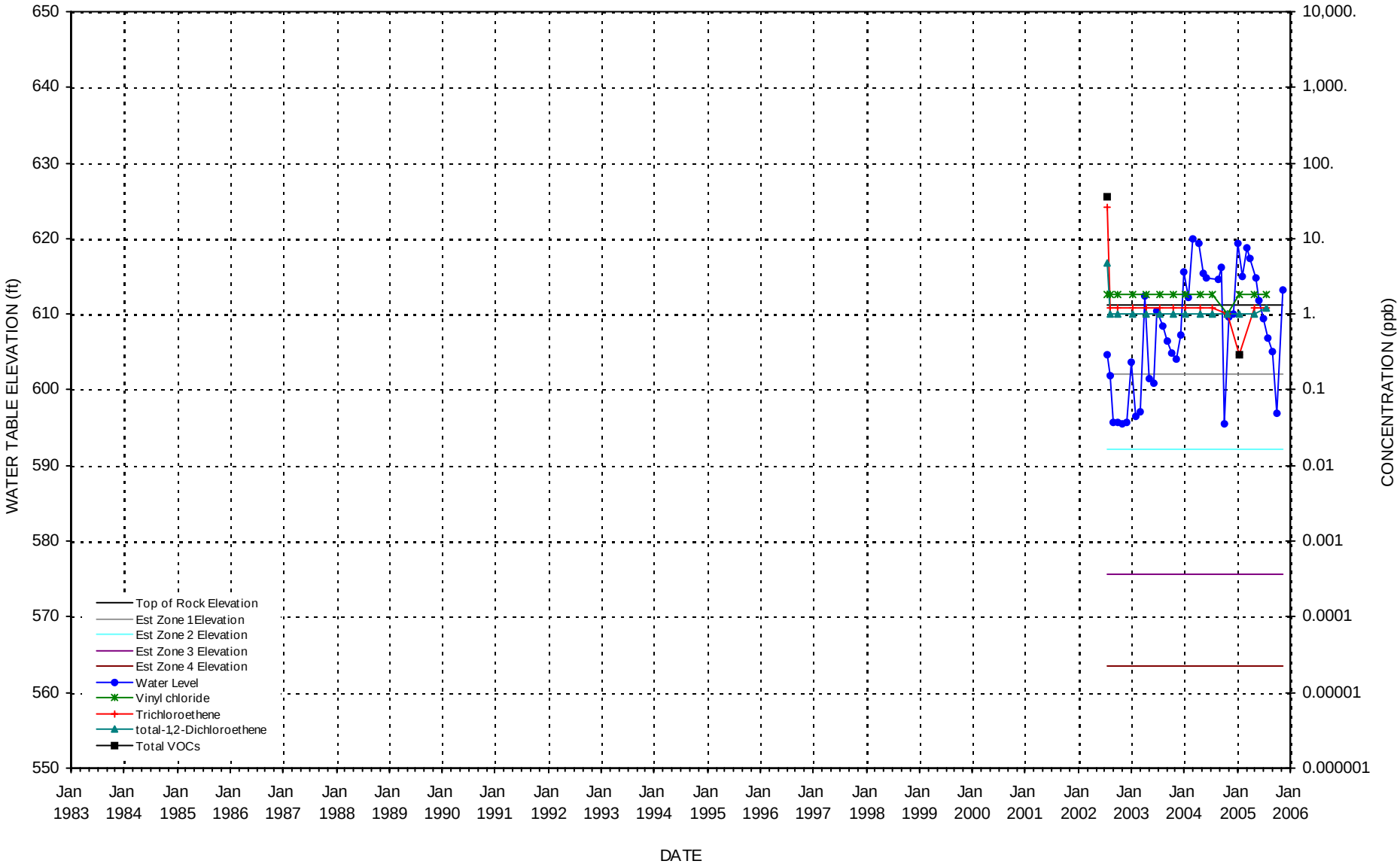
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-60M



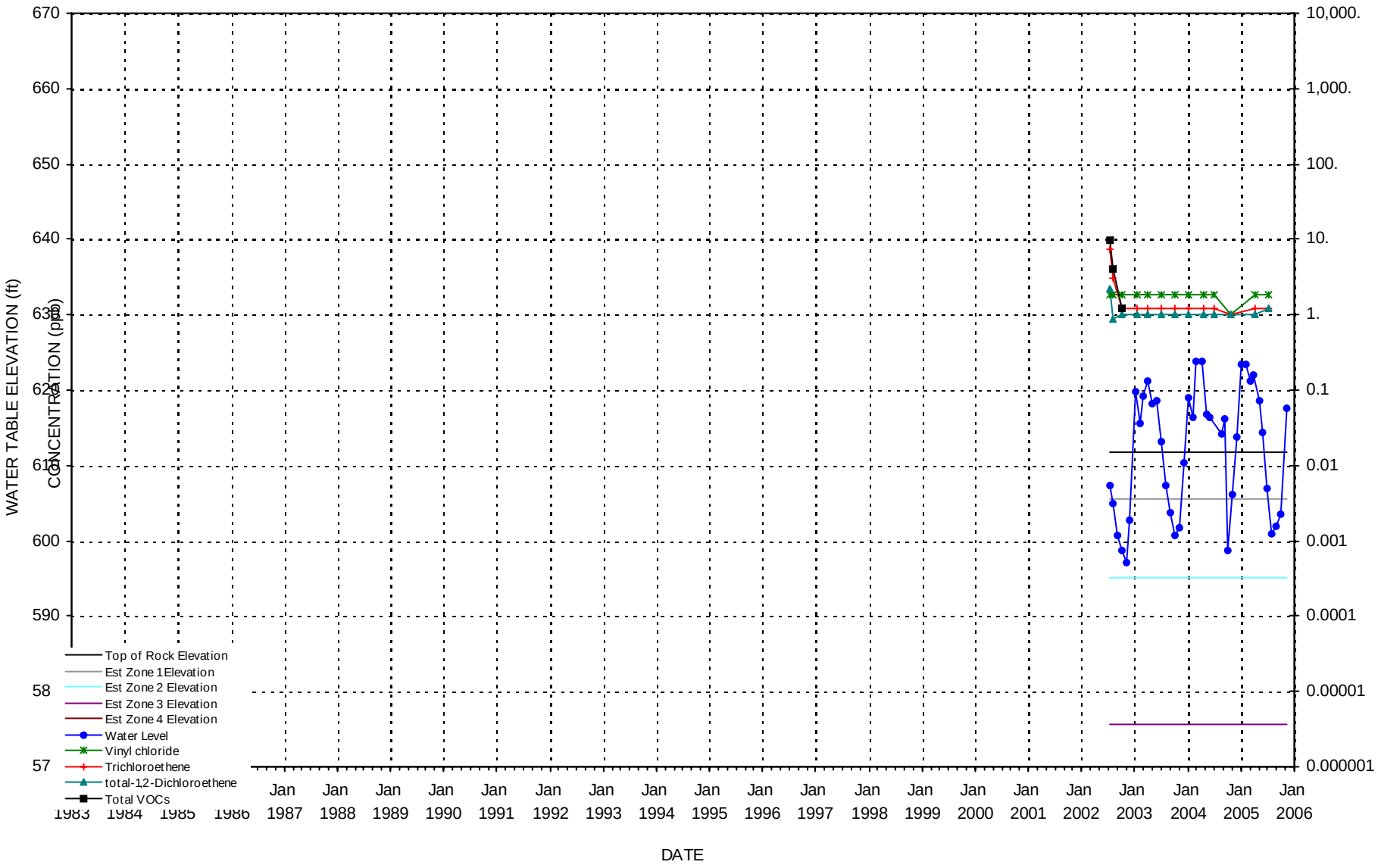
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-61M



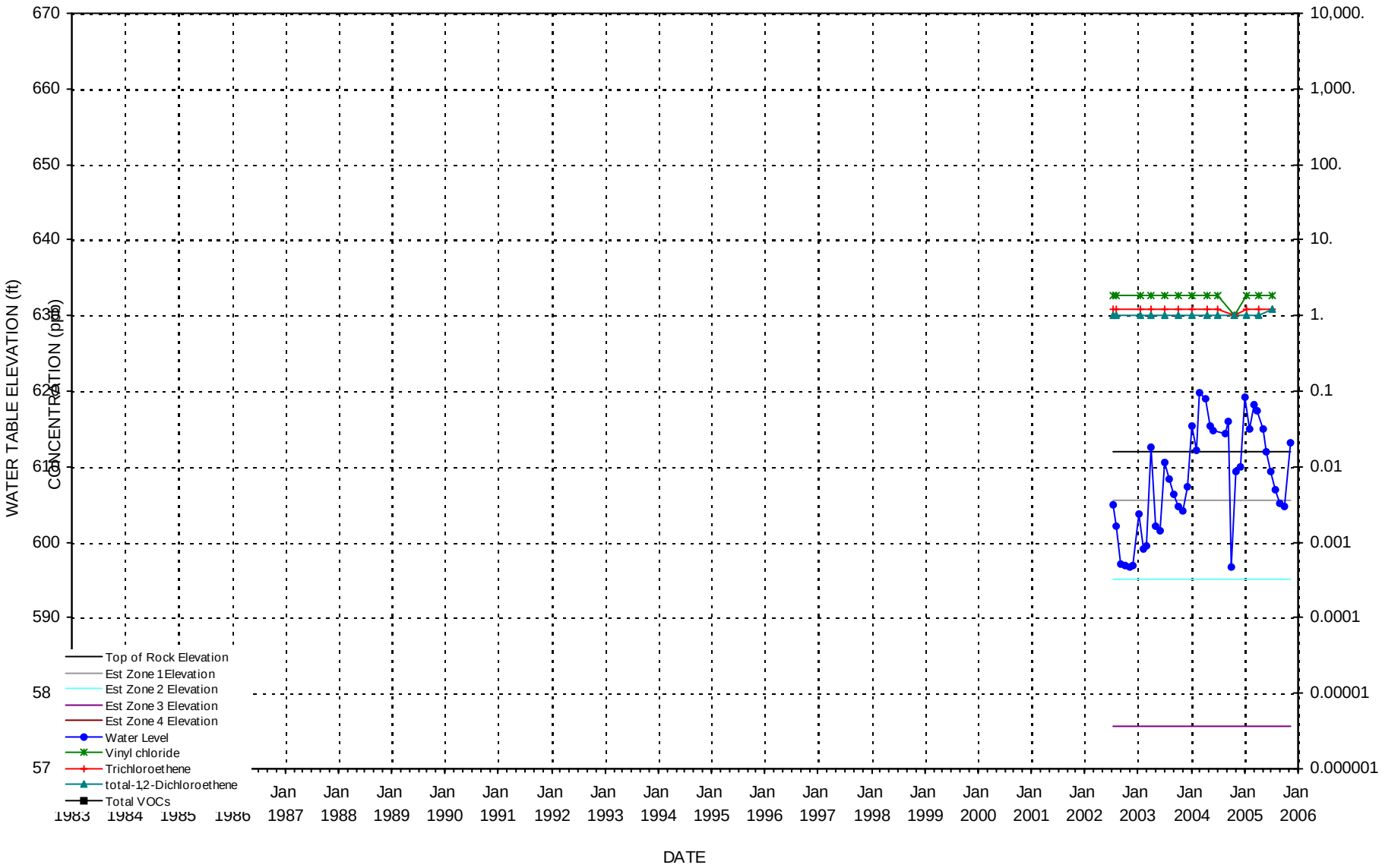
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-62M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

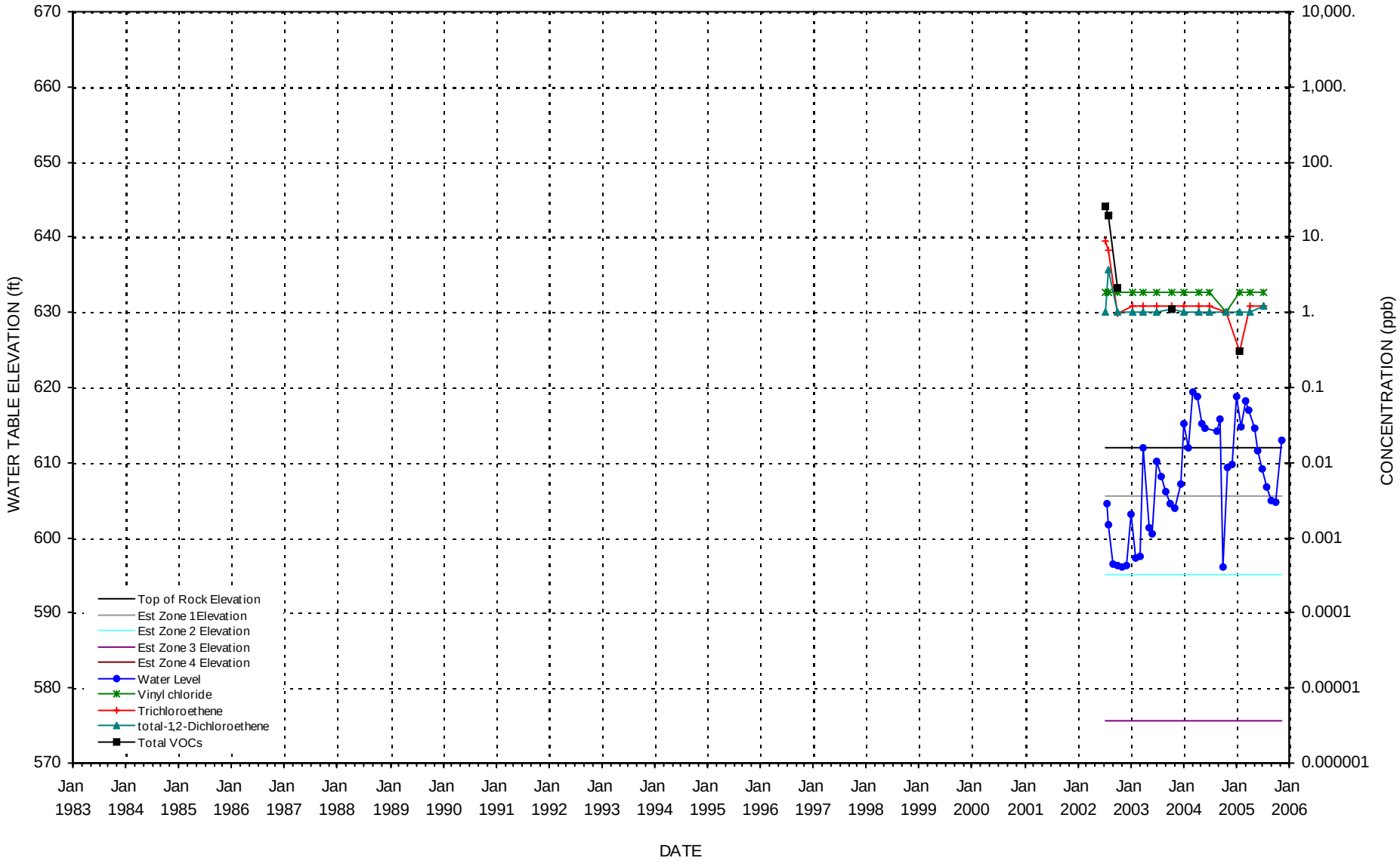
WELL B-63M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-64M



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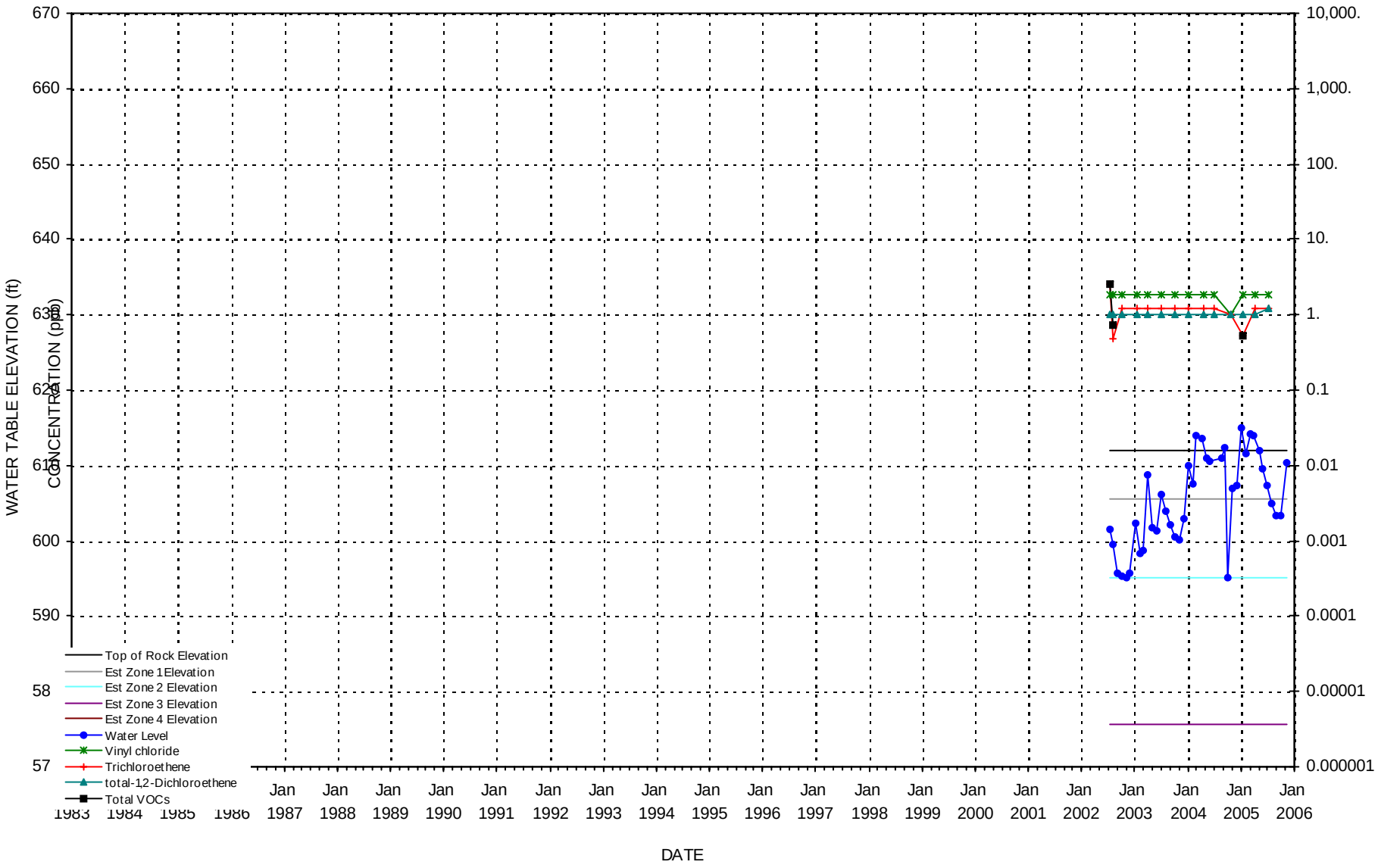
PARSONS

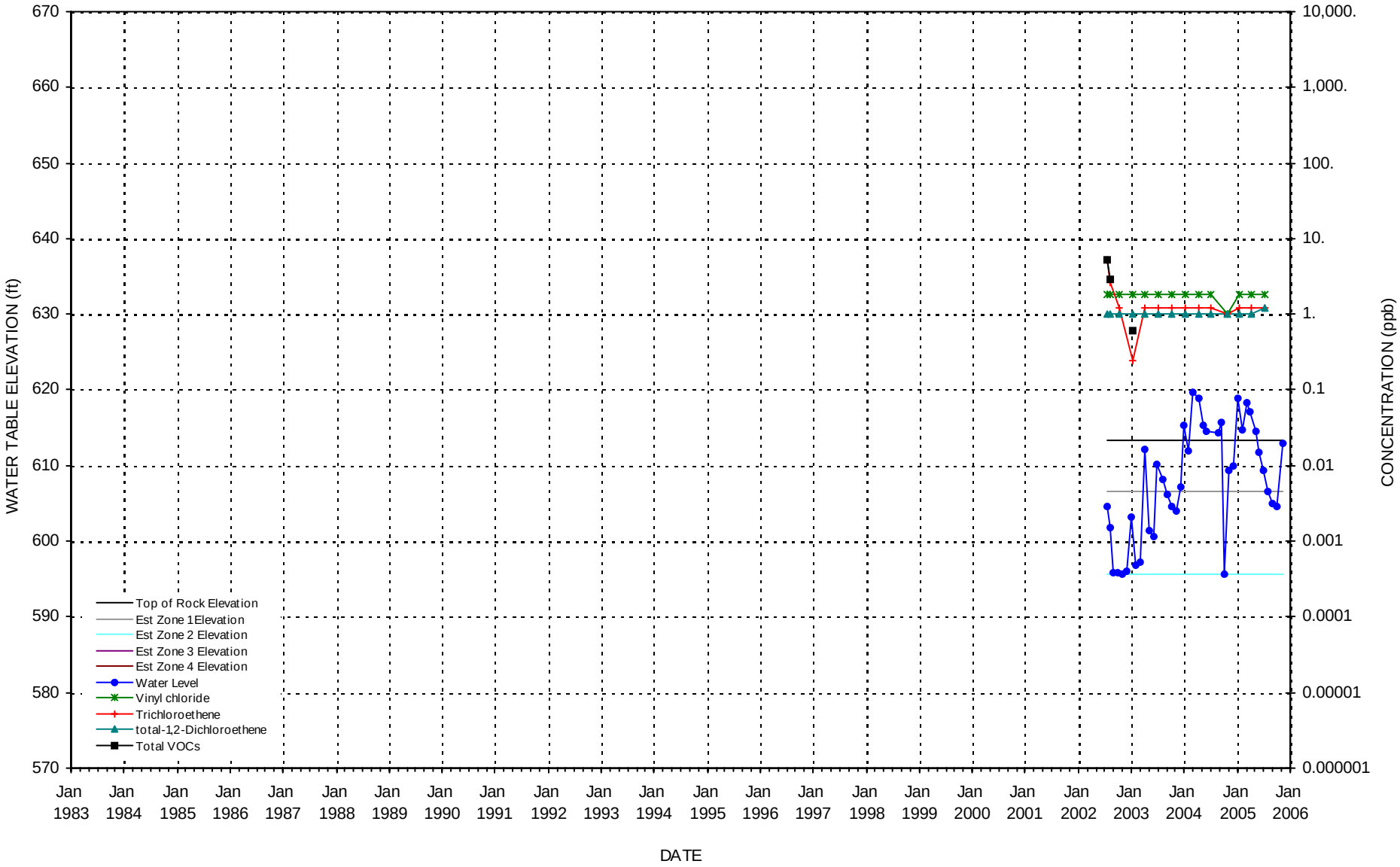
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-65M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-66M



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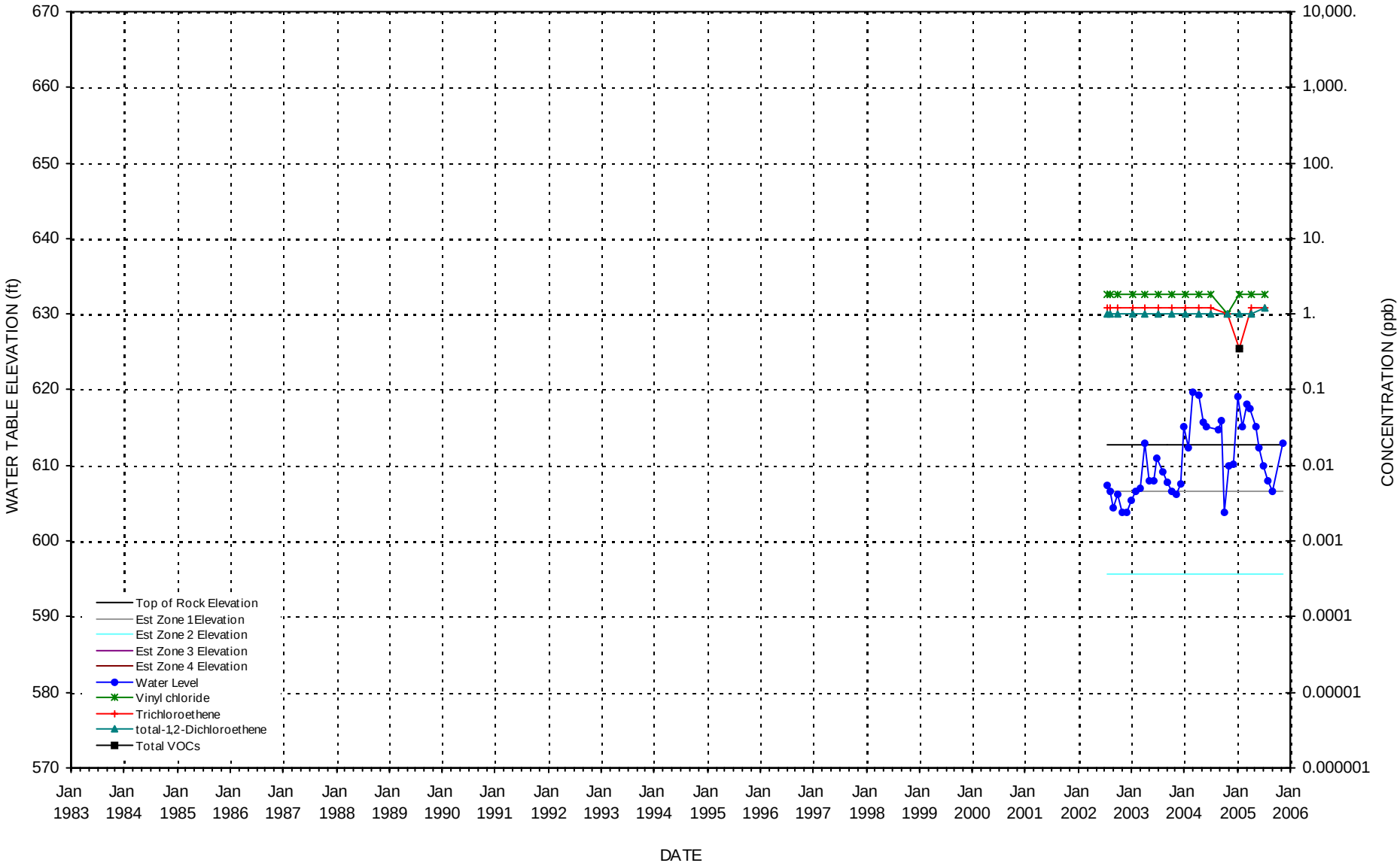
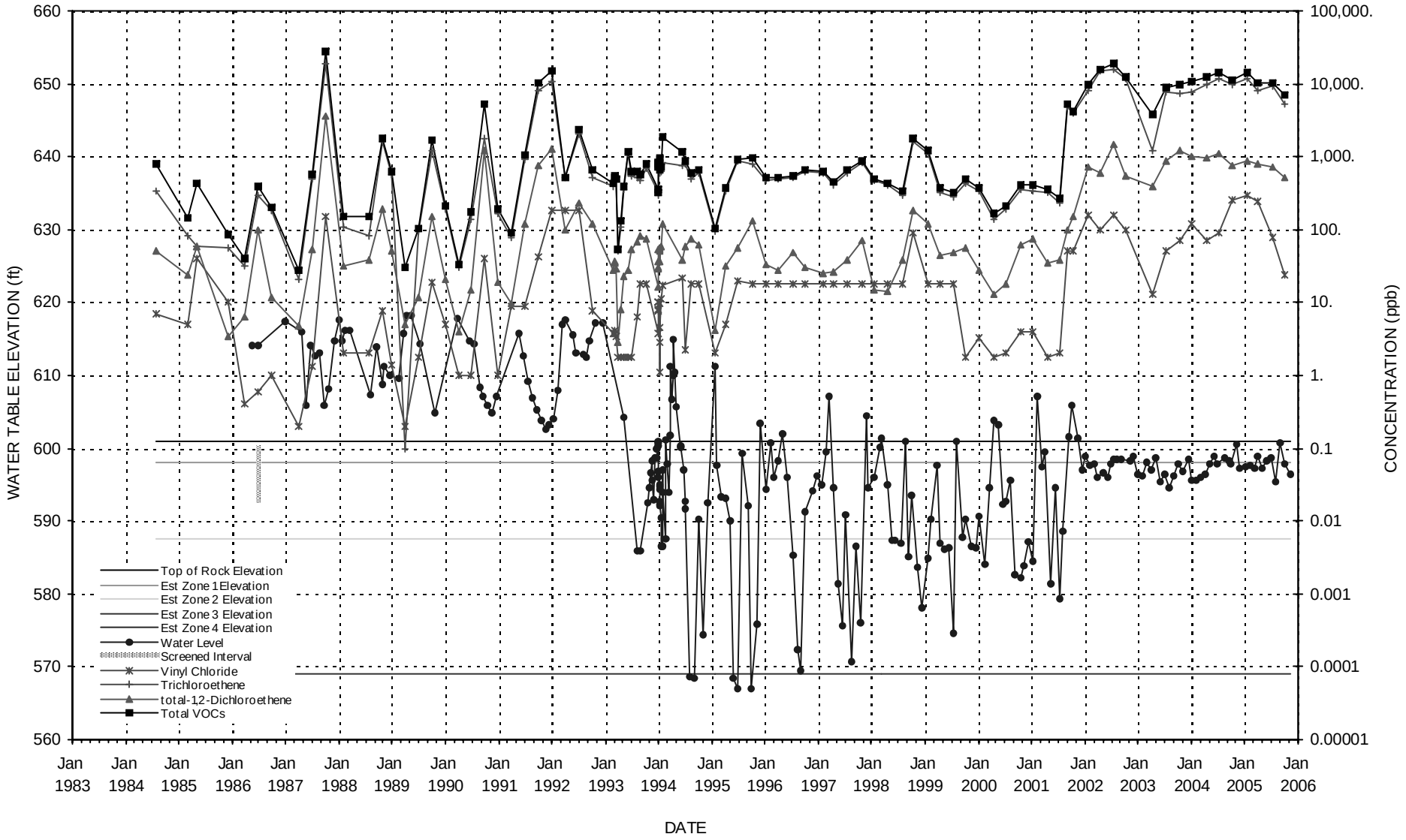
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-67M



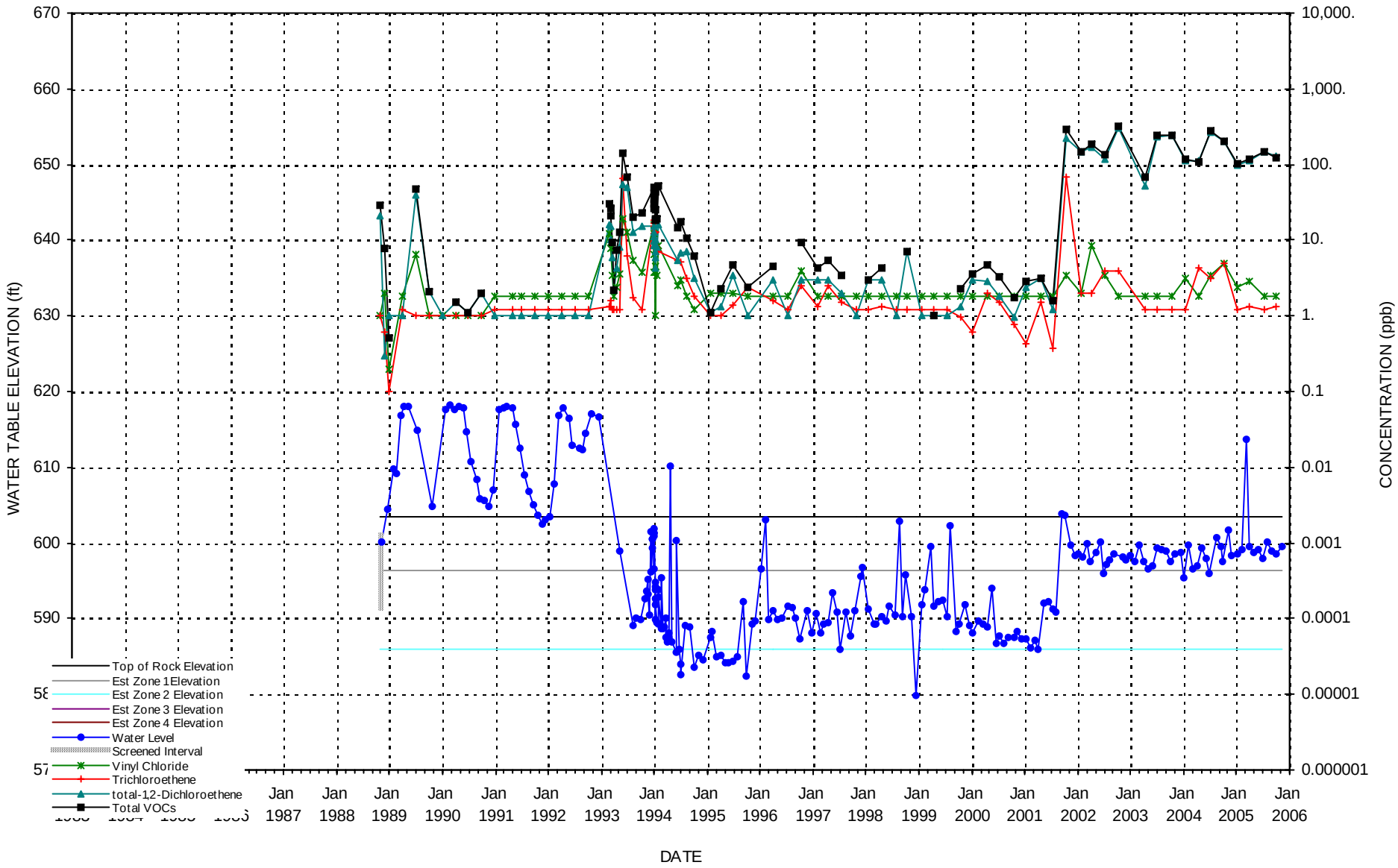
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL P-2



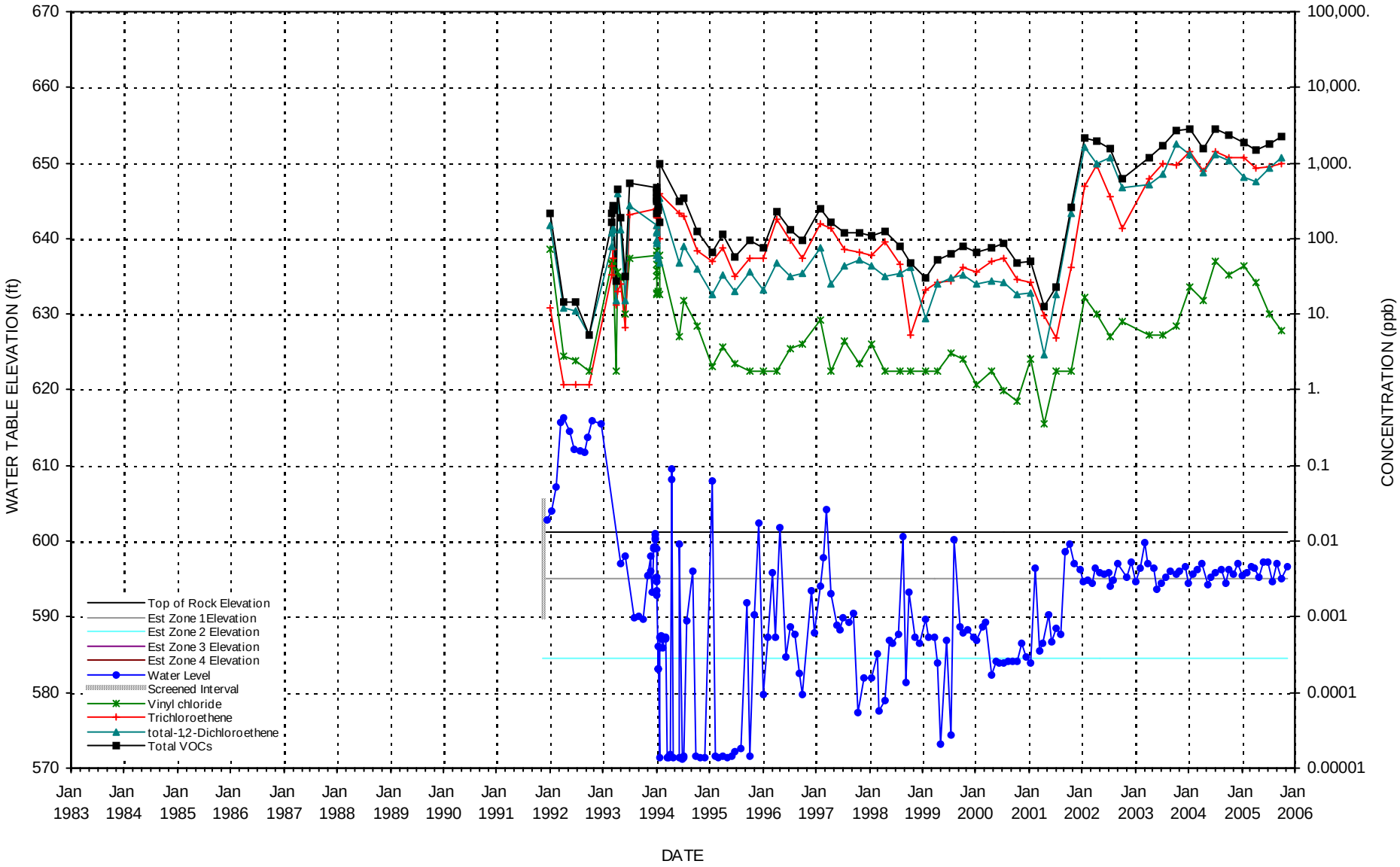
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL P-3



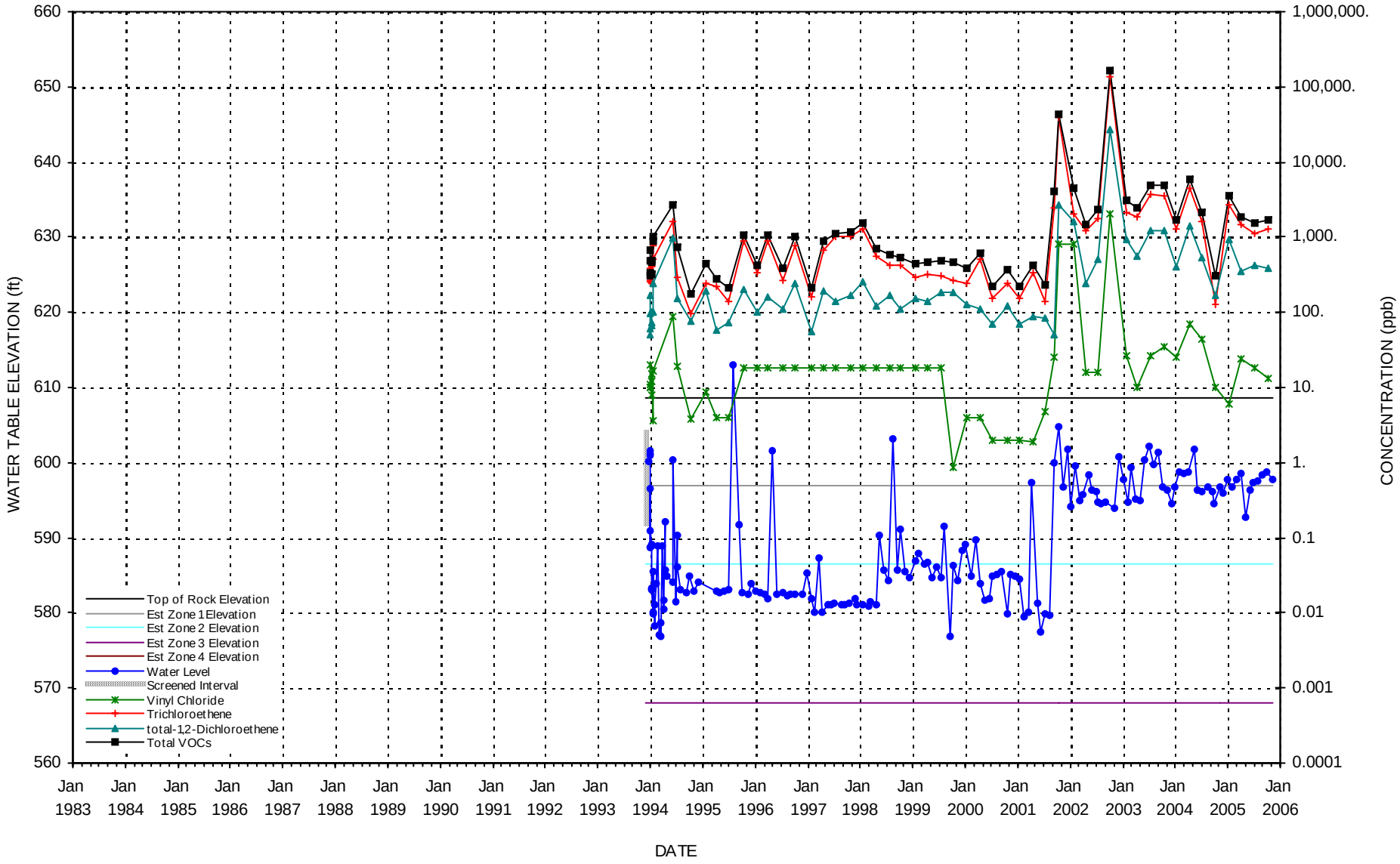
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL P-4



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL PW-1



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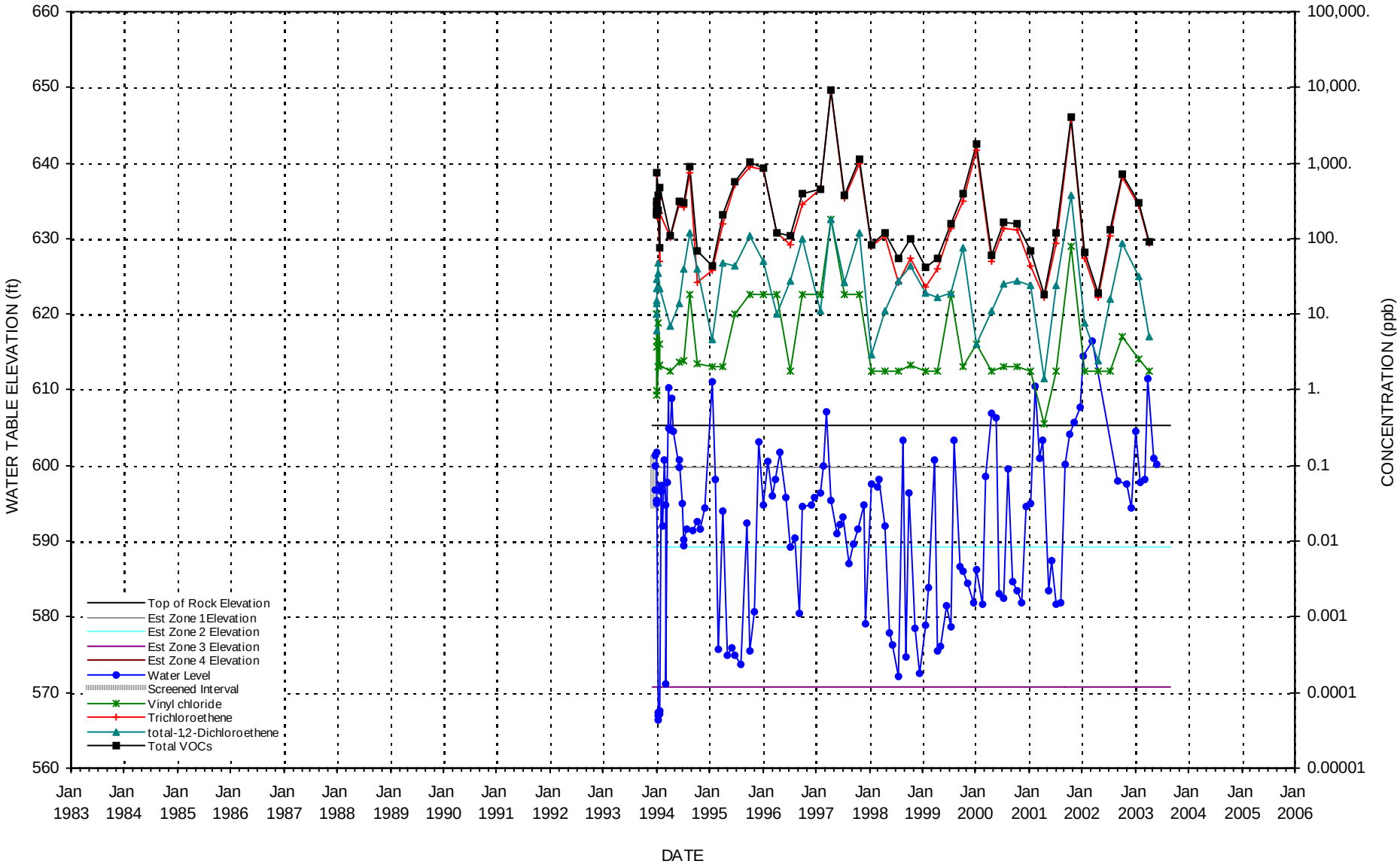
PARSONS

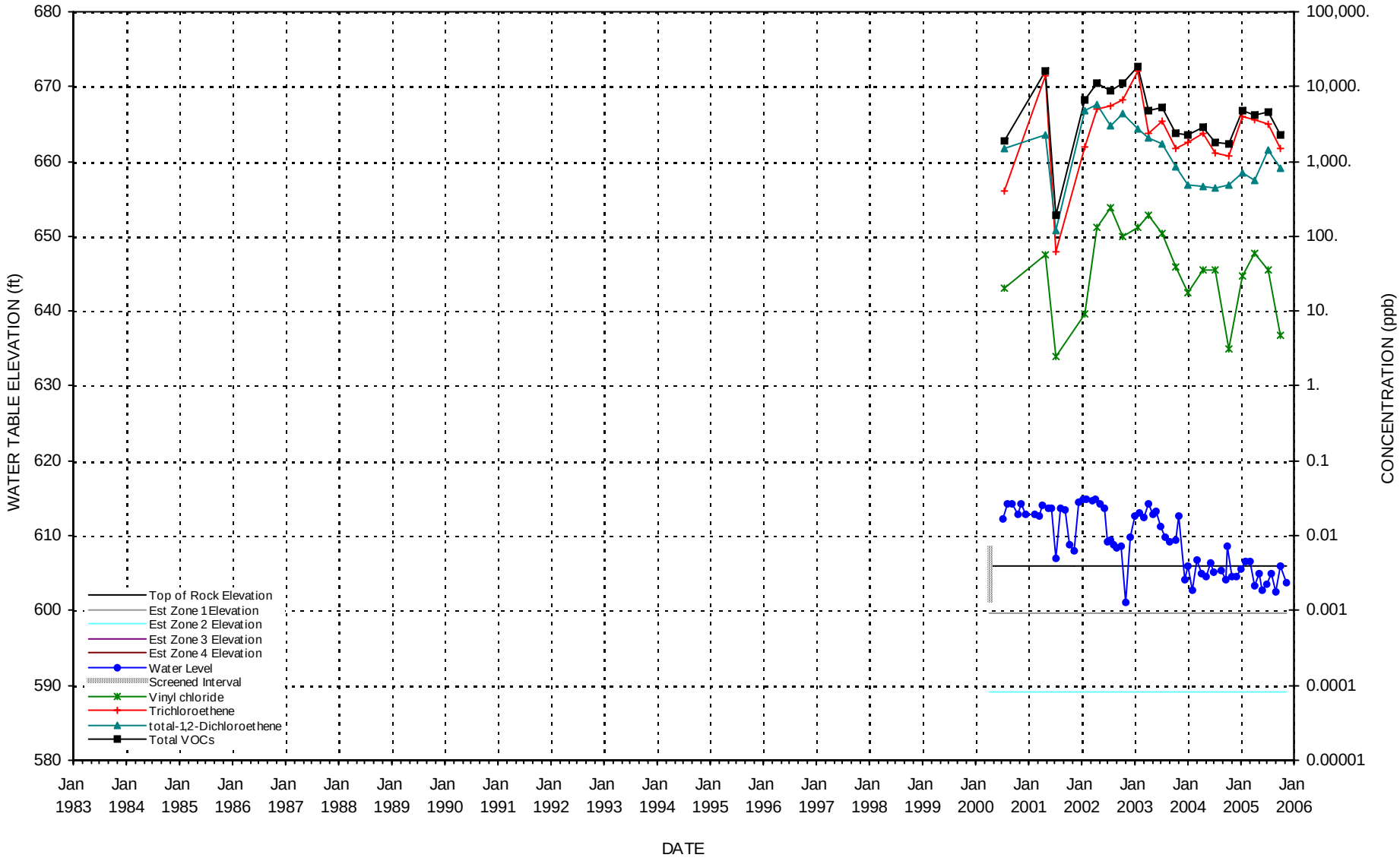
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL PW-2



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

PW-3 (former DNAPL Sump)



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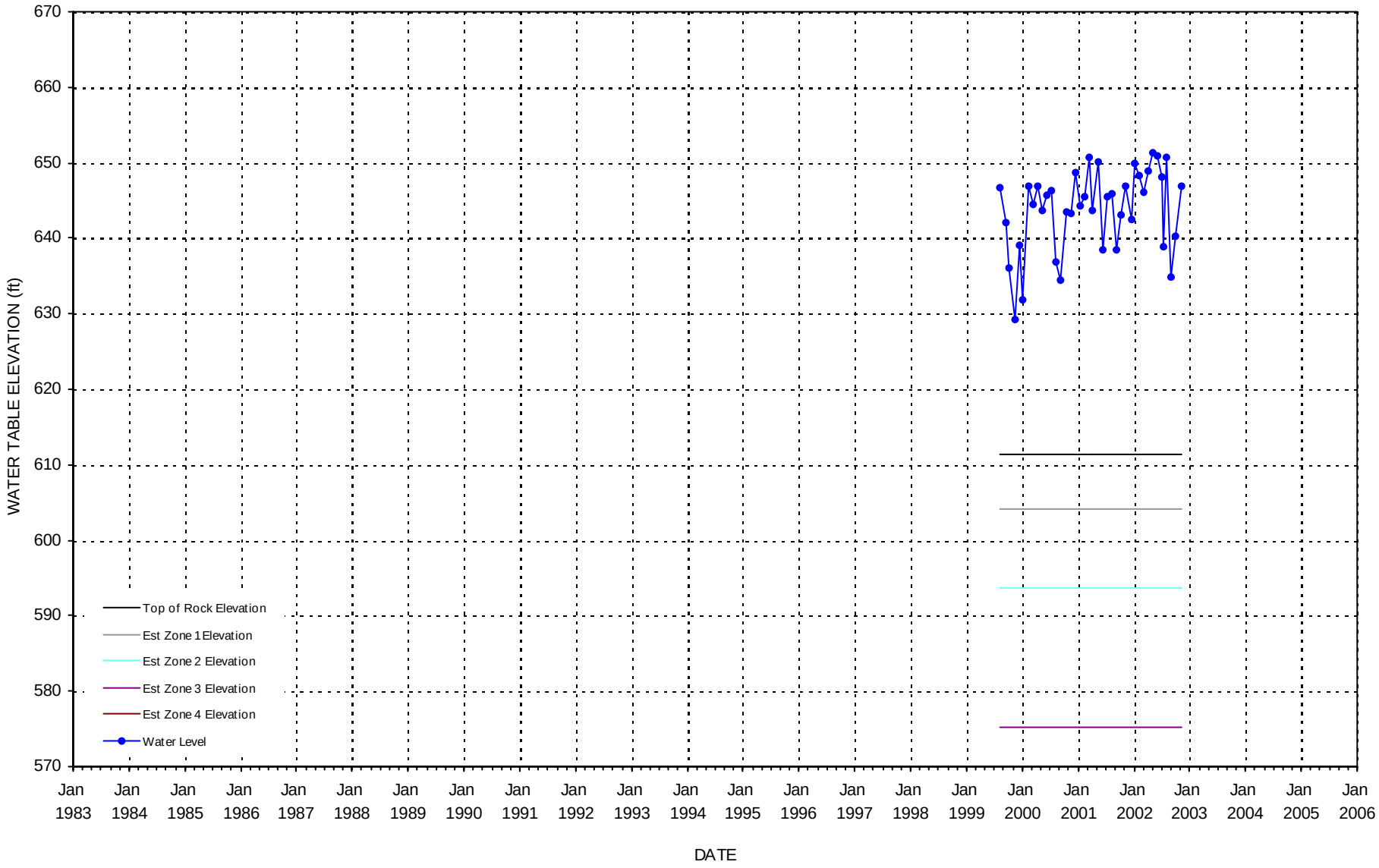
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

Reservoir Water Levels



FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663812	8021	ND	ND	0.34 J	ND	ND	1.6	50	ND	4.1	ND	2	58.04
07/12/2002	A2713901	8021	ND	ND	2.4	ND	2.2 J	13	360	ND	36	1.8	18	433.4
07/08/2003	A3649103	8021	ND	ND	ND	ND	7.4	8.5	490	ND	14	ND	5	524.9
07/06/2004	A4636508	8021	ND	ND	2.6	4.4	ND	7.3	190	ND	29	ND	18	251.3
07/14/2005	A5740501	8260/5ML	ND	ND	ND	ND	ND	3.8	75	ND	6.7	ND	7.7	93.2

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B- 4M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663816	8021	ND	ND	ND	ND	0.58 J	1.6	61	ND	5.5	ND	1.5 J	70.18
07/12/2002	A2713906	8021	ND	ND	ND	ND	ND	1.5	47	ND	5	ND	5.6	59.1
07/08/2003	A3649109	8021	ND	ND	ND	ND	ND	2.3	67	ND	7.8	ND	6.4	83.5
07/06/2004	A4636506	8021	ND	ND	ND	ND	ND	1.9	38	ND	8.2	ND	10	58.1
07/14/2005	A5740502	8260/5ML	ND	ND	ND	ND	ND	1.8	36	ND	5.4	ND	12	55.2

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B- 5M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663817	8021	ND	ND	ND	ND	ND	0.47 J	18	ND	20	ND	ND	38.47
07/15/2002	A2723102	8021	ND	ND	ND	ND	ND	ND	3.8	ND	9.5	ND	ND	13.3
07/10/2003	A3654101	8021	ND	ND	ND	ND	ND	ND	4.5	ND	13	ND	ND	17.5
07/07/2004	A4636503	8021	ND	ND	ND	ND	ND	1.1	16	ND	72	ND	ND	89.1
07/12/2005	A5733201	8260/5ML	ND	ND	ND	ND	ND	ND	3.8	ND	12	ND	ND	15.8

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043907	8021	ND	ND	ND	ND	ND	ND	2.7	ND	16	ND	ND	18.7
04/16/2001	A1345808	624	ND	ND	ND	ND	ND	ND	1.8	ND	18	ND	ND	19.8
07/13/2001	A1663814	8021	ND	ND	ND	ND	ND	ND	1.1	ND	12	ND	ND	13.1
10/10/2001	A1994701	8021	ND	ND	ND	ND	ND	ND	1.7	ND	19	ND	ND	20.7
01/23/2002	A2076801	8021	ND	ND	ND	ND	ND	0.66 J	27	ND	51	ND	ND	78.66
04/12/2002	A2351803	8021	ND	ND	ND	ND	ND	ND	9.8	ND	100	ND	ND	109.8
07/12/2002	A2713909	8021	ND	ND	ND	ND	ND	ND	11	ND	69	ND	ND	80
10/08/2002	A2999301	8021	ND	ND	ND	ND	ND	ND	9.1	ND	52	ND	ND	61.1
01/21/2003	A3069002	8021	ND	ND	ND	ND	ND	ND	6.3	ND	47	ND	ND	53.3
04/09/2003	A3329501	8021	ND	ND	ND	ND	24	ND	8.1	ND	48	ND	ND	80.1
07/08/2003	A3649108	8021	ND	ND	ND	ND	ND	ND	9.4	ND	60	ND	ND	69.4
10/13/2003	A3991405	8021	ND	ND	ND	ND	ND	ND	34	ND	130	ND	ND	164
01/28/2004	A4077401	8021	ND	ND	ND	ND	2.9	ND	37	ND	260	ND	ND	299.9
04/20/2004	A4356802	8021	ND	ND	ND	ND	ND	ND	22	ND	240	ND	ND	262
07/07/2004	A4636502	8021	ND	ND	ND	ND	ND	ND	16	ND	130	ND	ND	146
10/21/2004	A4A48001	8021	ND	ND	ND	ND	ND	ND	18	ND	100 E	ND	ND	118
01/17/2005	A5044302	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
04/05/2005	A5317802	8260	ND	ND	ND	ND	0.93 J	ND	6.7	ND	91 E	0.55 J	ND	99.18
04/05/2005	A5317802DL	8260	ND	ND	ND	ND	ND	ND	6.3 D	ND	95 D	ND	ND	101.3
07/12/2005	A5733202	8260/5ML	ND	ND	ND	ND	ND	ND	6.2	ND	58	ND	ND	64.2
10/05/2005	A5B10602	8260	ND	ND	ND	ND	ND	0.64 J	22	ND	97	ND	1.1 J	120.74

ND - Not detected, 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 nondetected 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 7M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035103	8021	ND	ND	ND	ND	ND	ND	1.8	ND	2.2	ND	ND	4
04/20/2001	A1366402	624	ND	ND	ND	ND	ND	ND	2.9	ND	3.2	ND	ND	6.1
07/12/2001	A1663801	8021	ND	ND	ND	ND	ND	ND	0.5 J	ND	1.8	ND	ND	2.3
10/10/2001	A1994702	8021	ND	ND	ND	ND	ND	ND	0.59 J	ND	1.9	ND	ND	2.49
01/21/2002	A2066003	8021	ND	ND	ND	ND	ND	ND	1.1	ND	4.6	ND	ND	5.7
04/11/2002	A2348301	8021	ND	ND	ND	ND	ND	ND	1.5	ND	11	ND	ND	12.5
07/11/2002	A2708314	8021	ND	ND	ND	ND	ND	ND	2.3	ND	7.7	ND	ND	10
10/08/2002	A2999307	8021	ND	ND	ND	ND	ND	ND	1.8	ND	7.2	ND	ND	9
01/16/2003	A3055803	8021	ND	3.1	ND	ND	ND	ND	0.92 J	ND	4	ND	ND	8.02
04/08/2003	A3329504	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.6	ND	ND	10.9
07/08/2003	A3649101	8021	ND	ND	ND	ND	ND	ND	0.85 J	ND	5.4	ND	ND	6.25
10/10/2003	A3983901	8021	ND	ND	ND	ND	ND	ND	28	ND	63	ND	ND	91
01/09/2004	A4026201	8021	ND	ND	ND	ND	ND	ND	6.7	ND	25	ND	ND	31.7
04/14/2004	A4331802	8021	ND	ND	ND	ND	ND	ND	4.4	ND	21	ND	ND	25.4
06/30/2004	A4619301	8021	ND	ND	ND	ND	ND	ND	3.7	ND	18	ND	ND	21.7
10/26/2004	A4A60202	8021	ND	ND	ND	ND	ND	ND	3.9	ND	12	ND	ND	15.9
01/18/2005	A5051004	8260	ND	ND	ND	ND	ND	ND	1.3	ND	8.6	ND	ND	9.9
04/04/2005	A5307701	8260	ND	ND	ND	ND	ND	ND	1.6	ND	12 B	ND	ND	13.6
07/12/2005	A5725601	8260/5ML	ND	ND	ND	ND	ND	ND	1.8	ND	8.2	ND	ND	10

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035104	8021	ND	ND	ND	ND	620	ND	1400	ND	7400	ND	ND	9420
04/24/2001	A1375204	8021	ND	ND	ND	ND	ND	ND	2400	ND	24000	ND	ND	26400
07/11/2001	A1648705	8021	ND	ND	ND	ND	500	ND	700	ND	11000	ND	ND	12200
10/17/2001	A1A23313	8021	ND	ND	ND	ND	980	ND	8500	ND	64000	ND	ND	73480
01/25/2002	A2081501	8021	ND	ND	ND	ND	170	ND	2400	ND	35000 D	ND	ND	37570
04/22/2002	A2391102	8021	ND	ND	ND	ND	540	ND	ND	ND	22000	ND	ND	22540
07/17/2002	A2732602	8021	ND	ND	ND	ND	1500	ND	4700	ND	73000	ND	ND	79200
10/15/2002	A2A23602	8021	ND	ND	ND	ND	ND	ND	7100	ND	41000	ND	ND	48100
01/24/2003	A3075209	8021	ND	ND	ND	ND	ND	ND	1900	ND	10000	ND	ND	11900
04/24/2003	A3389604	8021	ND	ND	ND	ND	530	ND	2100	ND	23000	ND	ND	25630
07/22/2003	A3699407	8021	ND	ND	ND	ND	ND	ND	9500	ND	170000	ND	ND	179500
10/22/2003	A3A28301	8021	ND	ND	ND	ND	ND	ND	5300	ND	85000	ND	ND	90300
01/22/2004	A4057101	8021	ND	ND	ND	ND	ND	330	330	ND	12000	ND	ND	12660
04/30/2004	A4402504	8021	ND	ND	ND	ND	ND	ND	ND	ND	24000	ND	ND	24000
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
07/19/2004	A4682701	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732703	8021	ND	ND	ND	ND	ND	ND	7.4	ND	23	1.7	ND	32.1
07/02/2003	A3639709	8021	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	ND	ND	4.2
06/29/2004	A4614511	8021	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
07/07/2005	A5706807	8260	ND	ND	ND	ND	ND	ND	2.7	ND	5.4	1.4	ND	9.5
10/24/2005	A5B97302	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 B	ND	ND	1.3

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-11M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648706	8021	ND	ND	ND	ND	12	ND	21	ND	270	ND	ND	303
07/16/2002	A2722909	8021	ND	ND	ND	ND	ND	ND	230	ND	1500	ND	ND	1730
07/10/2003	A3654302	8021	ND	ND	ND	ND	ND	ND	160	ND	990	ND	ND	1150
07/07/2004	A4636802	8021	ND	ND	ND	ND	ND	ND	200	ND	1600	35	ND	1835
07/14/2005	A5740602	8260/5ML	ND	ND	ND	1.4	ND	2.7	340 E	ND	710 E	87	1.3 J	1142.4
07/14/2005	A5740602DL	8260/5ML	ND	ND	ND	ND	ND	ND	310 D	ND	2000 D	57 D	ND	2367

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-12M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732704	8021	ND	ND	1	ND	ND	ND	30	1.4	74	ND	ND	106.4
07/02/2003	A3639710	8021	ND	ND	8.3	1.8	ND	3.8	87 D	26	82	ND	ND	208.9
06/29/2004	A4614512	8021	ND	ND	4	ND	ND	2.7	71	8.3	240	ND	ND	326
07/08/2005	A5715203	8260/5ML	ND	ND	0.56 J	ND	ND	ND	7.3	1.1	30	ND	ND	38.96

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-13M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/19/2001	A1361310	624	ND	ND	ND	ND	ND	2.6	67	ND	12	ND	ND	81.6
07/12/2001	A1663807	8021	ND	7.6	ND	ND	5.5	14	720	ND	120	ND	ND	867.1
07/16/2002	A2722911	8021	ND	ND	ND	ND	14	18	1000	ND	140	ND	ND	1172
04/22/2003	A3376301	8021	ND	ND	ND	ND	22	14	1400	ND	1400	ND	82	2918
07/18/2003	A3689003	8021	ND	ND	10	ND	ND	12	1300	ND	470	ND	48	1840
10/22/2003	A3A21905	8021	ND	ND	12	ND	ND	10	1600	ND	310	ND	71	2003
04/27/2004	A4387501	8021	ND	ND	ND	ND	ND	16	1100	ND	89	ND	34	1239
07/13/2004	A4663801	8021	ND	42	16	19	30	27	950	ND	200	ND	40	1324
10/13/2004	A4A09403	8021	ND	ND	18	5.8	1.5 B	14	760 D	2.4	250 D	ND	21	1072.7
04/19/2005	A5387404	8260	ND	ND	21	6.9	ND	10	1100 E	2.6	450 E	ND	22	1612.5
04/19/2005	A5387404DL	8260	ND	ND	ND	ND	ND	ND	1100 D	ND	440 D	ND	ND	1540
07/21/2005	A5768401	8260/5ML	ND	ND	8.5	8.4	ND	24	1100 E	ND	300	ND	9	1449.9
07/21/2005	A5768401DL	8260/5ML	ND	ND	ND	ND	ND	12 D	640 D	ND	110 D	ND	38 D	800
10/20/2005	A5B92004	8260	ND	ND	6.7	ND	6.5 B	20	1000 E	ND	210	ND	13	1256.2
10/20/2005	A5B92004DL	8260	ND	ND	ND	ND	ND	12 D	640 D	ND	140 BD	ND	22 D	814

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732701	8021	ND	ND	ND	ND	ND	ND	160	ND	730	ND	ND	890
07/02/2003	A3639711	8021	ND	ND	ND	ND	ND	0.83 J	39	ND	260 D	ND	ND	299.83
06/29/2004	A4614507	8021	ND	ND	ND	ND	12	ND	9.1	ND	120	ND	ND	141.1
06/29/2004	A4614507RE	8021	ND	ND	ND	ND	13	ND	10	ND	130	ND	ND	153
07/08/2005	A5715204	8260/5ML	ND	ND	ND	ND	ND	1.8	96	ND	560 E	9	ND	666.8
07/08/2005	A5715204DL	8260/5ML	ND	ND	ND	ND	ND	ND	81 D	ND	500 D	6.7 D	ND	587.7

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-15M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793603	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.4
07/15/2003	A3670606	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762203	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732702	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	2.3
07/02/2003	A3639712	8021	ND	ND	ND	ND	ND	ND	ND	ND	4.7	ND	ND	4.7
07/02/2003	A3639712RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/2004	A4614510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.77

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-17M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041308	8021	ND	ND	ND	ND	ND	ND	3100	ND	8000	ND	ND	11100
04/20/2001	A1366401	624	ND	ND	100 E	9.7	ND	30	1500 D	9.4	5300 D	3.6	6.1	6958.8
07/11/2001	A1648713	8021	ND	ND	ND	ND	180	ND	3700	ND	8400	ND	ND	12280
10/16/2001	A1A17410	8021	ND	ND	ND	ND	1000	ND	2600	ND	29000	ND	ND	32600
01/25/2002	A2081503	8021	ND	140	ND	ND	140	ND	4500	ND	2800	ND	91	7671
04/22/2002	A2391101	8021	ND	ND	ND	ND	76	ND	12000	ND	4300	ND	2100	18476
07/17/2002	A2732601	8021	ND	ND	ND	ND	160	ND	8600	ND	5500	ND	1800	16060
10/15/2002	A2A23603	8021	ND	ND	ND	ND	1000	ND	49000	ND	17000	ND	4300	71300
01/24/2003	A3075207	8021	ND	ND	ND	ND	190	ND	12000	ND	7100	ND	2600	21890
04/23/2003	A3376304	8021	ND	ND	ND	ND	ND	ND	12000	ND	4400	ND	1400	17800
07/22/2003	A3699406	8021	ND	ND	ND	ND	ND	ND	13000	ND	3800	ND	1100	17900
10/22/2003	A3A28302	8021	ND	ND	ND	ND	170	ND	20000	ND	2500	ND	2600	25270
01/21/2004	A4053403	8021	ND	ND	ND	ND	ND	ND	7800	ND	5600	ND	620	14020
04/28/2004	A4387504	8021	ND	ND	ND	ND	ND	ND	8100	ND	5300	ND	700	14100
07/09/2004	A4647102	8021	ND	ND	120	220	ND	ND	14000	ND	3500	ND	1600	19440
10/08/2004	A4994203	8021	ND	ND	ND	ND	ND	ND	7700	ND	3300	ND	640	11640
01/18/2005	A5051102	8260	ND	ND	100	52	ND	ND	9600	ND	7800	ND	1300	18852
04/19/2005	A5387401	8260	ND	ND	ND	ND	ND	ND	13000 E	ND	6900	ND	1300	21200
04/19/2005	A5387401DL	8260	ND	ND	ND	ND	ND	ND	12000 D	ND	6700 D	ND	1200 D	19900
07/21/2005	A5768404	8260/5ML	ND	ND	110	ND	ND	130	15000	ND	8600	ND	1500	25340
10/21/2005	A5B92803	8260	ND	ND	69	43	ND	60	3300 E	120 E	2900 E	0.98 J	850 E	7342.98
10/21/2005	A5B92803DL	8260	ND	ND	ND	ND	ND	ND	9500 D	140 D	8900 D	ND	1000 D	19540

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-18M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035105	8021	ND	ND	2.2	ND	ND	1.2	12	1.6	ND	ND	13	30
04/19/2001	A1361313	624	ND	ND	0.38	ND	ND	ND	2.5	ND	0.24	ND	3.4	6.52
07/12/2001	A1663803	8021	ND	ND	1.9	ND	ND	0.51 J	12	0.47 J	0.56 J	ND	15	30.44
10/12/2001	A1A01001	8021	ND	ND	1	ND	ND	1	28	ND	0.71 J	ND	13	43.71
01/14/2002	A2039402	8021	ND	ND	0.73 J	ND	ND	2.4	61 D	ND	1.8	ND	17	82.93
04/08/2002	A2332602	8260	ND	ND	0.59 J	ND	ND	2.8	56	ND	1.7	ND	12	73.09
07/08/2002	A2695503	8021	ND	ND	ND	ND	ND	1.9	59	ND	ND	ND	22	82.9
10/02/2002	A2980603	8021	ND	ND	0.62 J	ND	ND	2.2	30	ND	0.82 J	ND	14	47.64
01/13/2003	A3038004	8021	ND	ND	0.62 J	ND	ND	1.4	18	ND	ND	ND	14	34.02
04/21/2003	A3370801	8021	ND	ND	0.44 J	ND	1.8 J	3.3	78	ND	4.9	ND	18	106.44
07/14/2003	A3670602	8021	ND	ND	ND	ND	ND	2.6	78	ND	ND	ND	12	92.6
10/15/2003	A3998705	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	19	55
01/07/2004	A4012302	8021	ND	ND	ND	ND	ND	5.7	120	ND	ND	ND	6.1	131.8
04/29/2004	A4402301	8021	ND	ND	ND	ND	ND	1.8	26	ND	ND	ND	16	43.8
07/14/2004	A4664201	8021	ND	ND	ND	ND	ND	2.4	13	ND	ND	ND	11	26.4
10/15/2004	A4A20701	8021	ND	ND	ND	ND	1.2	1.4	33	ND	ND	ND	9	44.6
01/12/2005	A5036402	8260	ND	ND	ND	ND	ND	2.9	45	ND	ND	ND	9	56.9
04/04/2005	A5307809	8260	ND	ND	ND	ND	ND	4.7	72	ND	ND	ND	11	87.7
07/15/2005	A5747001	8260	ND	ND	ND	ND	1.8 J	6.6	92 E	ND	ND	ND	32	132.4
07/15/2005	A5747001DL	8260	ND	ND	ND	ND	2.6 D	5.2 D	75 D	ND	ND	ND	26 D	108.8

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035110	8021	ND	ND	1.4	ND	ND	ND	6.4	1.5	0.32 J	ND	1.4 J	11.02
04/19/2001	A1361309	624	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
07/12/2001	A1663806	8021	ND	ND	0.32 J	ND	ND	ND	5.5	0.27 J	0.95 J	ND	0.56 J	7.6
10/12/2001	A1A01005	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.25 J	ND	0.24 J	2.89
01/14/2002	A2039401	8021	ND	ND	0.25 J	ND	ND	ND	3.4	0.25 J	0.98 J	ND	1 J	5.88
04/08/2002	A2332601	8260	ND	ND	0.37 J	ND	ND	ND	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
07/08/2002	A2695501	8021	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	4.6
10/02/2002	A2980601	8021	ND	ND	0.32 J	ND	ND	ND	4.2	0.36 J	1.1 J	ND	0.43 J	6.41
01/13/2003	A3038002	8021	ND	ND	ND	ND	ND	ND	2.9	ND	1.4	ND	0.37 J	4.67
04/22/2003	A3376401	8021	ND	ND	0.31 J	ND	ND	ND	4.6	0.33 J	ND	ND	0.92 J	6.16
07/14/2003	A3670601	8021	ND	ND	0.24 J	ND	ND	ND	4.9	0.21 J	0.28 J	ND	0.51 J	6.14
10/15/2003	A3998704	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/07/2004	A4012301	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/27/2004	A4387401	8021	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	7.2
07/13/2004	A4664209	8021	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
10/13/2004	A4A09501	8021	ND	ND	ND	ND	ND	ND	11	0.57 J	ND	ND	1	12.57
01/12/2005	A5036401	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.41 J	ND	0.98 J	5.09
04/04/2005	A5307808	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.32 BJ	ND	0.75 J	4.77
07/21/2005	A5768301	8260/5ML	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	1 J	7.3
10/20/2005	A5B91902	8260	ND	ND	ND	ND	ND	ND	4	ND	0.51 J	ND	0.92 J	5.43

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-20M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345807	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332612	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670608	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043904	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/22/2005	A5402101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/23/2001	A1375208	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695511	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2003	A3356602	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670607	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2003	A3998706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/2004	A4402302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2004	A4A27801	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
01/14/2005	A5038301	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
04/22/2005	A5402104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2005	A5790301	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92301	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-22M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
10/18/2004	A4A27701	8021	ND	ND	ND	ND	ND	ND	90	ND	13	ND	ND	103
01/20/2005	A5057501	8260	ND	ND	2.8	1.6	ND	16	300 E	0.34 J	110 E	ND	2.2	432.94
01/20/2005	A5057501DL	8260					33 D	9.4 D	340 D		56 D			438.4
04/26/2005	A5414404	8260	ND	ND	ND	ND	ND	7	250	ND	33	ND	ND	290
07/25/2005	A5790401	8260/5ML	ND	ND	ND	ND	ND	1.6	110	ND	14	ND	7.8	133.4
10/21/2005	A5B92801	8260	ND	ND	ND	ND	ND	0.61 J	36	ND	3.9	ND	1.2 J	41.71

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected 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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043902	8021	ND	3.6	ND	ND	1.9 J	6.4	210	ND	13	ND	15	249.9
04/16/2001	A1345805	624	ND	ND	ND	ND	ND	7	150 D	ND	52	ND	ND	209
07/16/2001	A1674115	8021	ND	4.9	ND	ND	2.8	5.5	230	ND	23	ND	8.5	274.7
10/18/2001	A1A23310	8021	ND	ND	ND	ND	3.5	ND	280	ND	11	ND	ND	294.5
01/23/2002	A2076703	8021	ND	7.4	ND	ND	4.2	5	310	ND	39	ND	6.8	372.4
04/18/2002	A2378802	8021	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	22	372
07/15/2002	A2722903	8021	ND	ND	ND	ND	6	3.3	410	ND	4.3	ND	20	443.6
10/09/2002	A2A07510	8021	ND	ND	ND	ND	ND	ND	300	ND	18	ND	17	335
01/22/2003	A3068902	8021	ND	2.7	ND	ND	ND	4.8	140	ND	45	ND	ND	192.5
04/21/2003	A3370901	8021	ND	ND	ND	ND	12	2.1	320	ND	ND	ND	17	351.1
07/21/2003	A3699401	8021	ND	ND	ND	ND	ND	2	370	ND	2.7	ND	15	389.7
10/20/2003	A3A13901	8021	ND	ND	ND	ND	ND	ND	320	ND	3.8	ND	15	338.8
01/29/2004	A4077603	8021	ND	ND	ND	ND	ND	3	320	ND	74	ND	9.1	406.1
04/23/2004	A4373101	8021	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	28	428
07/21/2004	A4687101	8260	ND	ND	ND	ND	10	ND	340	ND	9.9	ND	ND	359.9
10/20/2004	A4A32301	8021	ND	ND	ND	ND	ND	ND	230	ND	7.1	ND	12	249.1
01/13/2005	A5036108	8260	ND	ND	ND	ND	ND	ND	360	ND	53	ND	5.9	418.9
04/19/2005	A5387405	8260	ND	ND	ND	ND	ND	ND	380	ND	32	ND	21	433
07/18/2005	A5753801	8260/5ML	ND	ND	ND	ND	ND	ND	360	ND	ND	ND	32	392
10/20/2005	A5B92001	8260	ND	ND	1.7	1.2	ND	1.8	380 E	ND	3	ND	61	448.7
10/20/2005	A5B92001DL	8260	ND	ND	ND	ND	9.2 BD	ND	370 D	ND	ND	ND	50 D	429.2

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052406	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/16/2001	A1345804	624	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	1.9
07/16/2001	A1674112	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2001	A1A23309	8021	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	15
01/22/2002	A2066009	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.6	ND	ND	4.7
04/17/2002	A2378402	8021	ND	ND	ND	ND	ND	ND	1.8	ND	5.9	ND	ND	7.7
07/12/2002	A2713902	8021	ND	ND	ND	ND	ND	ND	1.5	ND	4.7	ND	ND	6.2
10/09/2002	A2A07702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2003	A3060801	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	1.9	ND	ND	2.17
04/09/2003	A3329507	8021	ND	ND	ND	ND	ND	ND	1.2	ND	6.5	ND	ND	7.7
07/08/2003	A3649105	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.3	ND	ND	4.4
10/13/2003	A3991402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356801	8021	ND	ND	ND	ND	ND	ND	1.2	ND	3.7	ND	ND	4.9
07/13/2004	A4664001	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4	ND	ND	5.4
10/20/2004	A4A32402	8021	ND	ND	ND	ND	ND	ND	1.3	ND	4	ND	ND	5.3
01/12/2005	A5036204	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	4.1	ND	ND	4.89
04/06/2005	A5317804	8260	ND	ND	ND	ND	ND	ND	0.63 J	ND	3.4	ND	ND	4.03
07/12/2005	A5733203	8260/5ML	ND	ND	ND	ND	ND	ND	0.97 J	ND	3.5	ND	ND	4.47
10/05/2005	A5B10601	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-25M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-26M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639715	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715202	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-27M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663805	8021	ND	ND	ND	ND	5.8	8.5	400	ND	34	ND	ND	448.3
07/16/2002	A2722910	8021	ND	ND	ND	ND	5.7	9.4	240	ND	18	ND	14	287.1
07/10/2003	A3654301	8021	ND	ND	ND	ND	ND	6.8	230	ND	4.1	ND	9	249.9
07/07/2004	A4636801	8021	ND	ND	ND	1	ND	4.4	80	ND	4.8	ND	4.1	94.3
07/14/2005	A5740601	8260/5ML	ND	ND	ND	ND	ND	3.3	50	ND	5.3	ND	2.3	60.9

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-28M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035102	8021	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	1.5
04/23/2001	A1375205	8021	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	0.66
07/18/2001	A1682909	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347902	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	0.25
07/10/2002	A2708304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2005	A5038302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317606	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2005	A5724501	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-29M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043901	8021	ND	ND	ND	ND	ND	ND	16	ND	0.29 J	ND	1.8	18.09
04/16/2001	A1345806	624	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	11
07/16/2001	A1674114	8021	ND	ND	ND	ND	ND	ND	21	ND	1 J	ND	1.1 J	23.1
10/18/2001	A1A23315	8021	ND	ND	ND	ND	ND	ND	26	ND	7.8	ND	1.8	35.6
01/21/2002	A2066006	8021	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	26
04/17/2002	A2378401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708316	8021	ND	ND	ND	ND	ND	ND	32	ND	0.88 J	ND	2.5	35.38
10/09/2002	A2A07701	8021	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	4.5	38.5
01/16/2003	A3055802	8021	ND	ND	ND	ND	ND	ND	9	ND	0.23 J	ND	0.77 J	10
04/21/2003	A3371001	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
07/16/2003	A3683701	8021	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	0.68 J	12.68
10/20/2003	A3A13701	8021	ND	ND	ND	ND	ND	ND	47	ND	1.5	ND	3.8	52.3
01/29/2004	A4077402	8021	ND	ND	ND	0.2 J	ND	ND	26	ND	1.8	ND	2.1	30.1
04/23/2004	A4373001	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/21/2004	A4687001	8260	ND	ND	ND	ND	ND	ND	15	ND	0.73 J	ND	ND	15.73
10/20/2004	A4A32401	8021	ND	ND	ND	ND	ND	ND	24	ND	1.4	ND	2.4	27.8
01/13/2005	A5036206	8260	ND	ND	ND	ND	ND	ND	22	ND	1.8	ND	2.1	25.9
04/19/2005	A5387502	8260	ND	ND	ND	ND	ND	ND	12	ND	1.1 J	ND	1.4 J	14.5
07/18/2005	A5753701	8260/5ML	ND	ND	ND	ND	ND	ND	36	ND	3.2	ND	3.1	42.3

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-31M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041302	8021	ND	ND	ND	ND	ND	ND	4.6	ND	1 J	ND	ND	5.6
04/24/2001	A1375201	8021	ND	ND	ND	ND	ND	ND	5.5	ND	1.2	ND	ND	6.7
07/16/2001	A1674102	8021	ND	ND	ND	ND	ND	ND	7.1	ND	0.56 J	ND	0.57 J	8.23
10/10/2001	A1994706	8021	ND	ND	ND	ND	ND	ND	7.3	ND	ND	ND	0.48 J	7.78
01/17/2002	A2058501	8021	ND	ND	ND	ND	ND	0.2 J	13	ND	4	ND	ND	17.2
04/09/2002	A2332608	8260	ND	ND	ND	ND	ND	ND	4.8	ND	1.1 J	ND	ND	5.9
07/09/2002	A2695509	8021	ND	ND	ND	ND	ND	ND	7.3	ND	1.4	ND	ND	8.7
10/03/2002	A2980607	8021	ND	ND	ND	ND	ND	ND	10	ND	1.7	ND	0.29 J	11.99
01/14/2003	A3043004	8021	ND	0.78 J	ND	ND	ND	ND	6.5	ND	1.2	ND	ND	8.48
04/07/2003	A3320702	8021	ND	ND	ND	ND	ND	ND	10	ND	2.6	ND	ND	12.6
07/02/2003	A3639716	8021	ND	ND	ND	ND	ND	ND	7.7	ND	2.1	ND	ND	9.8
10/09/2003	A3978810	8021	ND	ND	ND	ND	ND	ND	13	ND	3.5	ND	ND	16.5
04/20/2004	A4356903	8021	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	2.9
07/14/2004	A4664203	8021	ND	ND	ND	ND	ND	ND	8.8	ND	3.8	ND	ND	12.6
10/25/2004	A4A54101	8021	ND	ND	ND	ND	ND	ND	13	ND	4.5	ND	ND	17.5
01/19/2005	A5050909	8260	ND	ND	ND	ND	ND	ND	5.3	ND	3.2	ND	ND	8.5
04/05/2005	A5317610	8260	ND	ND	ND	ND	ND	ND	2.4	ND	0.64 J	ND	ND	3.04
07/08/2005	A5715201	8260/5ML	ND	ND	ND	ND	ND	ND	6.6	ND	2.3	ND	ND	8.9

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-32M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052401	8021	ND	ND	0.29 J	0.23 J	ND	1.8	47	ND	0.67 J	ND	7.5	57.49
04/18/2001	A1361303	624	ND	ND	ND	ND	ND	0.48	10	ND	ND	ND	1.1	11.58
07/18/2001	A1682902	8021	ND	ND	ND	ND	ND	0.61 J	38	ND	ND	ND	9.3	47.91
10/19/2001	A1A28802	8021	ND	ND	ND	ND	ND	0.81 J	56	ND	0.6 J	ND	9.4	66.81
01/14/2002	A2039403	8021	ND	ND	ND	ND	0.54 J	0.56 J	28	ND	1.1 J	ND	3.9	34.1
04/08/2002	A2332603	8260	ND	ND	ND	ND	ND	0.71 J	57	ND	0.68 J	ND	4.8	63.19
04/16/2002	A2369801	8021	ND	ND	0.34 J	0.27 J	ND	ND	62 D	ND	1.6	ND	5.8	70.01
07/08/2002	A2695505	8021	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	2.8	34.8
10/09/2002	A2A07901	8021	ND	ND	ND	ND	ND	0.93 J	56	ND	ND	ND	9.7	66.63
01/13/2003	A3038005	8021	ND	ND	ND	ND	ND	ND	42	ND	1.9	ND	5.2	49.1
04/24/2003	A3389501	8021	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	4.9	60.9
07/16/2003	A3684101	8021	ND	ND	ND	ND	ND	0.74 J	42	ND	0.51 J	ND	2.8	46.05
10/21/2003	A3A22001	8021	ND	ND	ND	ND	ND	0.91 J	61	ND	ND	ND	8.6	70.51
01/07/2004	A4012304	8021	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	3.4	41.4
04/23/2004	A4372904	8021	ND	ND	ND	ND	ND	ND	36	ND	1.3	ND	2.8	40.1
07/20/2004	A4682903	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
10/20/2004	A4A32101	8021	ND	31	ND	ND	ND	0.52 J	ND	ND	0.67 J	ND	4.3	36.49
01/13/2005	A5036405	8260	ND	ND	0.81 J	0.61 J	ND	1.3	71 E	ND	17	ND	3.4	94.12
01/13/2005	A5036405DL	8260							69 D		16 D		2.8 D	87.8
04/19/2005	A5387302	8260	ND	ND	0.45 J	0.48 J	ND	0.4 J	42 E	ND	7.3	ND	3.9	54.53
04/19/2005	A5387302DL	8260	ND	ND	ND	ND	1.9 DJ	ND	34 D	ND	5.8 D	ND	3 D	44.7
07/19/2005	A5762201	8260/5ML	ND	ND	ND	ND	ND	1.1	39	ND	ND	ND	10	50.1

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-33M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-34M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708306	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-35M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-37M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/03/2003	A3639717	8021	ND	ND	ND	2.2	ND	13	1500 D	1.8	64000 D	ND	ND	65517
06/29/2004	A4614513	8021	ND	ND	ND	ND	ND	ND	3400	ND	24000	ND	ND	27400
07/08/2005	A5715207	8260/5ML	ND	ND	ND	1.7	ND	19	880 E	ND	1300 E	ND	ND	2200.7
07/08/2005	A5715207DL	8260/5ML	ND	ND	ND	ND	28 D	ND	1900 D	ND	4900 D	ND	ND	6828

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-39M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035106	8021	ND	ND	ND	ND	ND	0.21 J	4.5	ND	8.7	ND	ND	13.41
04/19/2001	A1361308	624	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.32
07/10/2001	A1648711	8021	ND	ND	ND	ND	ND	ND	0.84 J	ND	2.6	ND	ND	3.44
10/18/2001	A1A23312	8021	ND	ND	ND	ND	ND	ND	11	ND	97	ND	ND	108
01/24/2002	A2076707	8021	ND	ND	ND	ND	1.9 J	ND	ND	ND	5.9	ND	ND	7.8
04/15/2002	A2370202	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	2.4
07/16/2002	A2722906	8021	ND	ND	ND	ND	ND	ND	0.31 J	ND	2	ND	ND	2.31
10/08/2002	A2999101	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	2.4	ND	ND	2.67
01/23/2003	A3075201	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
04/25/2003	A3389603	8021	ND	ND	ND	ND	ND	ND	0.61 J	ND	2.8	ND	ND	3.41
07/21/2003	A3699404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	2.6	ND	ND	3.8
10/22/2003	A3A21903	8021	ND	ND	ND	ND	ND	ND	5.4	ND	7.4	ND	ND	12.8
01/21/2004	A4053401	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.5	ND	ND	10.8
04/29/2004	A4402502	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	3.6
07/16/2004	A4674301	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
07/16/2004	A4674301	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
10/12/2004	A4A09405	8021	ND	ND	ND	ND	ND	ND	4	ND	8.1	ND	ND	12.1
01/12/2005	A5036106	8260	ND	ND	ND	ND	ND	ND	1.9	ND	140 E	ND	ND	141.9
01/12/2005	A5036106DL	8260									94 D			94
04/26/2005	A5414401	8260	ND	ND	ND	ND	ND	ND	0.8 J	ND	4.3	ND	ND	5.1
07/26/2005	A5791601	8260/5ML	ND	ND	ND	ND	ND	ND	3.3	ND	8.5	ND	ND	11.8
10/21/2005	A5B92802	8260	ND	ND	ND	ND	ND	ND	2	ND	4.8	ND	ND	6.8

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035107	8021	ND	ND	ND	ND	ND	1.1	5.6	ND	ND	ND	1.5 J	8.2
04/19/2001	A1361306	624	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
07/10/2001	A1648710	8021	ND	ND	ND	ND	ND	0.26 J	3.2	ND	ND	ND	0.28 J	3.74
10/18/2001	A1A23311	8021	ND	ND	ND	ND	ND	ND	3.3	ND	41	ND	ND	44.3
01/22/2002	A2066012RE	8021	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	1.4 J	6.5
04/12/2002	A2351801	8021	ND	ND	ND	ND	ND	0.6 J	6	ND	ND	ND	0.87 J	7.47
07/12/2002	A2713907	8021	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
10/08/2002	A2999308	8021	ND	ND	ND	ND	ND	0.7 J	6.9	ND	0.58 J	ND	1 J	9.18
01/20/2003	A3060804	8021	ND	ND	ND	ND	ND	0.43 J	4.5	ND	0.29 J	ND	0.75 J	5.97
04/25/2003	A3389401	8021	ND	ND	ND	ND	ND	0.48 J	4.4	ND	ND	ND	0.58 J	5.46
07/17/2003	A3683703	8021	ND	ND	ND	ND	ND	0.38 J	3.8	ND	ND	ND	0.22 J	4.4
10/17/2003	A3A09004	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/20/2004	A4053202	8021	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	3.1
04/29/2004	A4402401	8021	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
10/12/2004	A4A09702	8021	ND	ND	ND	ND	ND	0.53 J	6.1	ND	ND	ND	ND	6.63
01/12/2005	A5036203	8260	ND	ND	ND	ND	ND	0.62 J	4.8	ND	0.38 J	ND	ND	5.8
04/26/2005	A5414301	8260	ND	ND	ND	ND	ND	0.6 J	4.3	ND	0.3 J	ND	ND	5.2
07/26/2005	A5791602	8260/5ML	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
10/21/2005	A5B92602	8260	ND	ND	ND	ND	ND	0.73 J	4.8	ND	0.91 J	ND	ND	6.44

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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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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035108	8021	ND	ND	ND	ND	ND	1.3	3.1	ND	0.37 J	ND	ND	4.77
04/19/2001	A1361312	624	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	0.45
07/10/2001	A1648709	8021	ND	ND	ND	ND	ND	0.55 J	1.6	ND	0.38 J	ND	ND	2.53
10/18/2001	A1A23308	8021	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	100
01/23/2002	A2076802RI	8021	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	3.5
04/15/2002	A2370101	8021	ND	ND	ND	ND	ND	ND	1.8	ND	1 J	ND	ND	2.8
07/15/2002	A2723101	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.47 J	ND	ND	1.67
10/08/2002	A2999207	8021	ND	ND	ND	ND	ND	0.38 J	1.4	ND	0.84 J	ND	ND	2.62
01/21/2003	A3069004	8021	ND	ND	ND	ND	ND	0.44 J	1.5	ND	0.81 J	ND	ND	2.75
04/28/2003	A3399801	8021	ND	ND	ND	ND	ND	0.57 J	2.3	ND	ND	ND	ND	2.87
07/17/2003	A3683705	8021	ND	ND	ND	ND	ND	0.52 J	2.3	ND	0.65 J	ND	ND	3.47
10/17/2003	A3A09005	8021	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.7
01/21/2004	A4053204	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/30/2004	A4402402	8021	ND	ND	ND	ND	ND	1.2	3.1	ND	ND	ND	ND	4.3
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29

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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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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035114	8021	ND	ND	ND	ND	2.1 J	1.2	51	ND	23	ND	ND	77.3
04/20/2001	A1366404	624	ND	ND	ND	ND	ND	ND	39	ND	380 D	ND	ND	419
07/11/2001	A1648704	8021	ND	ND	0.27 J	ND	ND	1.4	45	ND	14	ND	9.4	70.07
10/17/2001	A1A23307	8021	ND	ND	ND	ND	ND	0.4 J	12	ND	3	ND	ND	15.4
11/12/2001	A1B23801	8021	ND	ND	ND	ND	ND	0.56 J	8	ND	4	ND	ND	12.56
01/24/2002	A2076710	8021	ND	ND	ND	ND	ND	0.5 J	8.2	ND	4.8	ND	0.44 J	13.94
04/18/2002	A2378803	8021	ND	ND	ND	ND	ND	0.43 J	4.2	ND	4.1	ND	ND	8.73
07/16/2002	A2722908	8021	ND	ND	ND	ND	ND	0.6 J	8.2	ND	3.9	ND	ND	12.7
10/11/2002	A2A14401	8021	ND	ND	ND	ND	ND	1.5	16	ND	6	ND	ND	23.5
01/23/2003	A3075204	8021	ND	ND	ND	ND	ND	ND	8.9	ND	12	ND	ND	20.9
04/23/2003	A3376302	8021	ND	ND	ND	ND	ND	1.2	12	ND	6.9	ND	0.67 J	20.77
07/22/2003	A3699405	8021	ND	ND	ND	ND	ND	1	15	ND	5.2	ND	ND	21.2
10/22/2003	A3A28303	8021	ND	ND	ND	ND	ND	2	28	ND	8.2	ND	1.4 J	39.6
01/21/2004	A4053402	8021	ND	ND	ND	ND	ND	ND	11	ND	6.9	ND	ND	17.9
04/28/2004	A4387603	8021	ND	ND	ND	ND	ND	1.1	10	ND	4.9	ND	ND	16
07/09/2004	A4647101	8021	ND	ND	ND	ND	ND	1	8.5	ND	4.3	ND	ND	13.8
10/08/2004	A4994202	8021	ND	ND	ND	ND	ND	ND	6.2	ND	3.5	ND	ND	9.7
01/18/2005	A5051101	8260	ND	ND	ND	ND	ND	0.34 J	2.6	ND	2.6	ND	ND	5.54
04/26/2005	A5414403	8260	ND	ND	ND	ND	ND	0.43 J	5.1	ND	3.6	ND	ND	9.13
07/26/2005	A5791701	8260/5ML	ND	ND	ND	ND	ND	1	8.2	ND	3.9	ND	ND	13.1
10/20/2005	A5B92005	8260	ND	ND	ND	ND	ND	1.5	13	ND	5.9	ND	2.2	22.6

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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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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-43M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035113	8021	ND	ND	1.4	ND	ND	ND	34	ND	4.5	ND	2.7	42.6
04/20/2001	A1366405	624	ND	ND	ND	ND	ND	ND	4.6	ND	2.9	ND	ND	7.5
07/11/2001	A1648701	8021	ND	ND	0.35 J	ND	ND	ND	2.1	ND	0.83 J	ND	0.3 J	3.58
11/12/2001	A1B23802	8021	ND	ND	ND	ND	ND	ND	14	ND	6.4	ND	0.37 J	20.77
01/21/2002	A2066007	8021	ND	ND	ND	ND	ND	0.61 J	13	ND	6.1	ND	ND	19.71
04/11/2002	A2348302	8021	ND	ND	ND	ND	ND	0.61 J	11	ND	6.3	ND	ND	17.91
07/11/2002	A2708317	8021	ND	ND	ND	ND	ND	ND	10	ND	5.4	ND	ND	15.4
10/08/2002	A2999303	8021	ND	ND	ND	ND	ND	0.38 J	6	ND	4.3	ND	0.29 J	10.97
01/16/2003	A3055804	8021	ND	ND	0.29 J	ND	ND	0.4 J	6.3	ND	3.4	ND	1.2 J	11.59
04/29/2003	A3398701	8021	ND	ND	ND	ND	ND	ND	3.8	ND	2.4	ND	0.34 J	6.54
07/17/2003	A3683706	8021	ND	ND	ND	ND	ND	ND	2.1	ND	1.1 J	ND	ND	3.2
10/16/2003	A3A09002	8021	ND	ND	ND	ND	ND	ND	3.7	ND	8.1	ND	ND	11.8
01/20/2004	A4053201	8021	ND	ND	ND	ND	ND	ND	10	ND	8.9	ND	ND	18.9
04/28/2004	A4387602	8021	ND	ND	ND	ND	ND	ND	2	ND	1.4	ND	ND	3.4
07/09/2004	A4647301	8021	ND	ND	ND	ND	ND	ND	4.3	ND	8.2	ND	ND	12.5
10/07/2004	A4994505	8021	ND	ND	ND	ND	ND	ND	7.4	ND	36	ND	ND	43.4
01/18/2005	A5051001	8260	ND	ND	ND	ND	ND	0.82 J	8.9	ND	5.5	ND	1.5 J	16.72
04/21/2005	A5402202	8260	ND	ND	ND	ND	ND	0.83 J	10	ND	40 E	ND	ND	50.83
04/21/2005	A5402202DL	8260	ND	ND	ND	ND	ND	0.69 DJ	8.6 D	ND	34 D	ND	ND	43.29
07/26/2005	A5791702	8260/5ML	ND	ND	ND	ND	ND	1.6	17	ND	79	ND	ND	97.6
10/20/2005	A5B91801	8260	ND	ND	ND	ND	ND	0.64 J	6	ND	6.8	ND	1.3 J	14.74

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-44M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041307	8021	ND	ND	7.6	1.2	ND	1.1	38	1.9	8	ND	15	72.8
04/25/2001	A1382101	8021	ND	ND	6	ND	ND	0.25 J	33	0.4 J	4.3	ND	7.7	51.65
07/11/2001	A1648703	8021	ND	ND	4.5	ND	ND	ND	23	ND	3	ND	2.4	32.9
11/12/2001	A1B23803	8021	ND	ND	6.1	ND	ND	ND	33	ND	27	ND	4.5	70.6
01/22/2002	A2066013	8021	ND	ND	ND	ND	14	ND	22	ND	ND	ND	ND	36
04/12/2002	A2351802	8021	ND	ND	7.6	ND	ND	ND	33	ND	5.9	ND	5.6	52.1
07/15/2002	A2723103	8021	ND	ND	7.8	ND	ND	ND	28	ND	5.5	ND	4.4	45.7
10/09/2002	A2A07501	8021	ND	ND	9.2	ND	ND	ND	49	0.76 J	10	ND	15	83.96
01/21/2003	A3069001	8021	ND	0.54 J	7.4	ND	ND	ND	25	ND	5.5	ND	4.9	43.34
04/29/2003	A3398702	8021	ND	ND	11	ND	ND	ND	44	0.79 J	10	ND	27	92.79
07/17/2003	A3683704	8021	ND	ND	8.3	ND	ND	ND	36	0.45 J	4.8	ND	13	62.55
10/17/2003	A3A09003	8021	ND	ND	8.4	ND	ND	ND	26	ND	1.6	ND	20	56
01/20/2004	A4053203	8021	ND	ND	9.1	ND	ND	ND	15	ND	1.9	ND	9.7	35.7
04/28/2004	A4387601	8021	ND	ND	8.5	ND	ND	ND	27	ND	3.2	ND	23	61.7
07/09/2004	A4647302	8021	ND	ND	8	ND	ND	ND	15	ND	1.6	ND	19	43.6
10/07/2004	A4994504	8021	ND	ND	6.3	ND	ND	ND	5	ND	2.4	ND	5.6	19.3
01/18/2005	A5051002	8260	ND	ND	8.1	ND	ND	0.34 J	9.1	0.25 J	2.4	ND	4.9	25.09
04/21/2005	A5402201	8260	ND	ND	7.3	ND	ND	0.47 J	21	0.49 J	5.8	ND	15	50.06
07/22/2005	A5778502	8260/5ML	ND	ND	5.9	ND	ND	ND	14	ND	3.6	ND	5.5	29
10/21/2005	A5B92604	8260	ND	ND	8.7	ND	ND	ND	9.1	ND	3.7	ND	6.6	28.1

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-45M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052404	8021	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
04/18/2001	A1361301	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2001	A1682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039404	8021	ND	ND	ND	ND	ND	0.72 J	7.3	ND	0.66 J	ND	0.24 J	8.92
04/08/2002	A2332604	8260	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
07/08/2002	A2695504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980606	8021	ND	ND	ND	ND	ND	ND	0.21 J	ND	0.67 J	ND	ND	0.88
01/13/2003	A3038007	8021	ND	ND	ND	ND	ND	ND	1.6	ND	0.67 J	ND	ND	2.27
04/08/2003	A3329702	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/03/2003	A3639718	8021	ND	ND	ND	ND	ND	ND	8.8	ND	66 E	ND	ND	74.8
07/03/2003	A3639718RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/10/2003	A3983802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47804	8021	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
01/13/2005	A5036406	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	0.7 J	ND	ND	1.56
04/05/2005	A5317608	8260	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	0.35
07/12/2005	A5733103	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-46M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052405	8021	ND	0.62 J	ND	ND	1.4 J	2.3	54	ND	2.8	ND	3.2	64.32
04/18/2001	A1361304	624	ND	ND	ND	ND	ND	ND	5.8	ND	0.26	ND	ND	6.06
07/18/2001	A1682905	8021	ND	ND	ND	ND	ND	0.32 J	29	ND	1.7	ND	0.61 J	31.63
10/12/2001	A1A01004	8021	ND	ND	ND	ND	ND	0.46 J	41	ND	1.1 J	ND	2.3	44.86
01/15/2002	A2039405	8021	ND	ND	ND	ND	ND	0.46 J	31	ND	1.3	ND	1.7 J	34.46
04/09/2002	A2332611	8260	ND	ND	0.28 J	0.23 J	ND	0.88 J	62 D	ND	2.7	ND	1.8	67.89
07/09/2002	A2695508	8021	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	52
10/03/2002	A2980608	8021	ND	ND	ND	ND	ND	ND	120	ND	6.6	ND	3.3	129.9
01/14/2003	A3043003	8021	ND	ND	ND	ND	ND	1.1	58	ND	3.4	ND	2.9	65.4
04/08/2003	A3329705	8021	ND	ND	ND	ND	ND	ND	12	ND	0.44 J	ND	0.52 J	12.96
07/02/2003	A3639701	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	1.4 J	37.4
10/09/2003	A3978812	8021	ND	ND	ND	ND	ND	ND	150	ND	5.1	ND	3.8	158.9
01/08/2004	A4026306	8021	ND	ND	ND	ND	ND	ND	23	ND	1.5	ND	1.1 J	25.6
04/13/2004	A4331506	8021	ND	ND	ND	ND	ND	ND	82	ND	6.9	ND	2.5	91.4
06/30/2004	A4619405	8021	ND	ND	1.3	ND	ND	2.6	120	ND	8.7	ND	6.4	139
10/22/2004	A4A47805	8021	ND	ND	0.67 J	ND	ND	1.7	130 D	ND	9.2	ND	4.1	147.37
01/13/2005	A5036407	8260	ND	ND	ND	ND	ND	1.8	100	ND	11	ND	5.4	18.2
04/05/2005	A5317609	8260	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	1.8
07/12/2005	A5733104	8260/5ML	ND	ND	0.57 J	ND	ND	1.6	82	ND	8.2	ND	5.6	97.97

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-48M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041306	8021	ND	ND	ND	ND	ND	5.8	77	ND	31	ND	18	131.8
04/25/2001	A1382104	8021	ND	ND	ND	ND	ND	ND	10	ND	37	ND	ND	47
07/11/2001	A1648712	8021	ND	0.84 J	ND	ND	1.2 J	2.6	90	ND	9.6	ND	25	129.24
10/17/2001	A1A23302	8021	ND	ND	ND	ND	3.1	ND	13	ND	170	ND	ND	186.1
01/24/2002	A2076709	8021	ND	ND	ND	ND	ND	0.63 J	9.7	ND	15	ND	ND	25.33
04/15/2002	A2370204	8021	ND	ND	ND	ND	ND	0.46 J	7.8	ND	22	ND	ND	30.26
07/16/2002	A2722917	8021	ND	ND	ND	ND	ND	0.53 J	8.2	ND	25	ND	ND	33.73
10/09/2002	A2A07505	8021	ND	ND	ND	ND	ND	ND	8.2	ND	17	ND	ND	25.2
01/23/2003	A3075203	8021	ND	ND	ND	ND	ND	ND	7.9	ND	15	ND	ND	22.9
04/28/2003	A3399701	8021	ND	ND	ND	ND	ND	1	16	ND	20	ND	0.55 J	37.55
07/18/2003	A3689002	8021	ND	ND	ND	ND	ND	0.67 J	12	ND	13	ND	ND	25.67
10/22/2003	A3A28304	8021	ND	ND	ND	ND	ND	ND	10	ND	13	ND	ND	23
01/22/2004	A4057103	8021	ND	ND	ND	ND	ND	ND	3	ND	6.5	ND	ND	9.5
04/27/2004	A4387502	8021	ND	ND	ND	ND	ND	ND	3.2	ND	8.5	ND	ND	11.7
07/13/2004	A4663802	8021	ND	ND	ND	ND	ND	ND	2.6	ND	6.7	ND	ND	9.3
10/13/2004	A4A09401	8021	ND	ND	ND	ND	ND	ND	4.1	ND	6.6	ND	ND	10.7
01/12/2005	A5036102	8260	ND	ND	ND	ND	ND	ND	1.4	ND	5	ND	ND	6.4
04/21/2005	A5402002	8260	ND	ND	ND	ND	ND	ND	1	ND	4.6	ND	ND	5.6
07/21/2005	A5768402	8260/5ML	ND	ND	ND	ND	ND	ND	1.6	ND	5.6	ND	ND	7.2
10/20/2005	A5B92002	8260	ND	ND	ND	ND	ND	ND	2.3	ND	6.1	ND	ND	8.4

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-49M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041305	8021	ND	ND	ND	ND	ND	ND	2.2	ND	0.55 J	ND	ND	2.75
04/25/2001	A1382103	8021	ND	ND	ND	ND	ND	ND	0.72 J	ND	2.3	ND	ND	3.02
07/11/2001	A1648717	8021	ND	ND	ND	ND	ND	ND	0.74 J	ND	1.8	ND	ND	2.54
10/17/2001	A1A23301	8021	ND	ND	ND	ND	ND	ND	2.2	ND	120	ND	ND	122.2
01/24/2002	A2076706	8021	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	3.2
04/15/2002	A2370201	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	0.45
07/15/2002	A2722904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2002	A2A07504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2003	A3068903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2003	A3376303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2003	A3689001	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	0.31
10/22/2003	A3A21904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2004	A4057102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/2004	A4387503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4663803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2004	A4A09402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/2005	A5036103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2005	A5402003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2005	A5768403	8260/5ML	ND	ND	ND	ND	ND	ND	0.51 J	ND	2.6	ND	ND	3.11
10/20/2005	A5B92003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043903	8021	ND	ND	ND	ND	ND	ND	1.7	ND	5.8	ND	ND	7.5
04/17/2001	A1345703	624	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6
07/13/2001	A1663810	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	6	ND	ND	6.32
10/10/2001	A1994704	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	6.1	ND	ND	6.48
01/22/2002	A2066011RE	8021	ND	ND	ND	ND	ND	ND	2.2	ND	10	ND	ND	12.2
04/11/2002	A2348303	8021	ND	ND	ND	ND	ND	ND	4.7	ND	16	ND	ND	20.7
07/12/2002	A2713908	8021	ND	ND	ND	ND	ND	ND	7.2	ND	19	ND	ND	26.2
10/08/2002	A2999310	8021	ND	ND	ND	ND	ND	0.26 J	6	ND	10	ND	ND	16.26
01/20/2003	A3060802	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
04/29/2003	A3398703	8021	ND	ND	ND	ND	ND	ND	2.4	ND	18	ND	ND	20.4
07/16/2003	A3683702	8021	ND	ND	ND	ND	ND	0.2 J	3.6	ND	14	ND	ND	17.8
10/16/2003	A3A09001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2004	A4373002	8021	ND	ND	ND	ND	ND	ND	23	ND	28	ND	ND	51
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
10/22/2004	A4A48002	8021	ND	ND	ND	ND	ND	0.87 J	23	ND	32	ND	0.59 J	56.46
01/17/2005	A5044301	8260	ND	ND	ND	ND	ND	0.67 J	12	ND	27	ND	ND	39.67
04/19/2005	A5387501	8260	ND	ND	ND	ND	ND	1.1	16	ND	56 E	ND	ND	73.1
04/19/2005	A5387501DL	8260	ND	ND	ND	ND	ND	1.1 D	15 D	ND	55 D	ND	ND	71.1
07/22/2005	A5778501	8260/5ML	ND	ND	ND	ND	ND	1.2	15	ND	51	ND	ND	67.2

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-51M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345701	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663815	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332610	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2004	A4356905	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-52M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345706	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2001	A1A17407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2002	A2369802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2002	A2A14501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036408	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317601	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-53M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052403	8021	ND	ND	ND	ND	ND	ND	0.44 J	ND	4.6	ND	ND	5.04
04/17/2001	A1345705	624	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	5.8
07/16/2001	A1674105	8021	ND	ND	ND	ND	ND	ND	0.2 J	ND	3.8	ND	ND	4
10/16/2001	A1A17408	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	7.1	ND	ND	7.42
01/22/2002	A2066010	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
04/17/2002	A2378403	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4.2	ND	ND	5.6
07/12/2002	A2713905	8021	ND	ND	ND	ND	ND	ND	1.6	ND	5.1	ND	ND	6.7
10/11/2002	A2A14601	8021	ND	ND	ND	ND	ND	ND	1.6	ND	12	ND	ND	13.6
01/20/2003	A3060803	8021	ND	ND	ND	ND	ND	ND	1.4	ND	7.4	ND	ND	8.8
04/09/2003	A3329508	8021	ND	ND	ND	ND	ND	ND	1.6	ND	11	ND	ND	12.6
07/08/2003	A3649107	8021	ND	ND	ND	ND	ND	ND	0.6 J	ND	8	ND	ND	8.6
10/13/2003	A3991404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	7.6	ND	ND	8.8
04/13/2004	A4331801	8021	ND	ND	ND	ND	ND	ND	2.6	ND	4.9	ND	ND	7.5
07/07/2004	A4636501	8021	ND	ND	ND	ND	ND	ND	2.5	ND	4.6	ND	ND	7.1
10/22/2004	A4A48003	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
01/13/2005	A5036205	8260	ND	ND	ND	ND	ND	ND	2.1	ND	3.5	ND	1 J	6.6
04/06/2005	A5317805	8260	ND	ND	ND	ND	ND	ND	1.8	ND	2.1	ND	ND	3.9
07/07/2005	A5706901	8260/5ML	ND	ND	ND	ND	ND	ND	1.9	ND	1.8	ND	ND	3.7

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361305	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994708	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2002	A2332605	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983805	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47802	8021	ND	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	0.58
01/17/2005	A5043901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317602	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-55M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361302	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695512	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983804	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619403	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317603	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-57M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052407	8021	ND	ND	ND	ND	ND	ND	3.2	ND	1.5	ND	ND	4.7
04/16/2001	A1345802	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347903	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978811	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664210	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036403	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317604	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5733101	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2005	A5B10501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-58M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052408	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345801	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674110	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986405	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978813	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664211	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036404	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/06/2005	A5317605	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	0.69
07/12/2005	A5733102	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-59M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732710	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
08/05/2002	A2793604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2004	A4A20702	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND	ND	0.79
01/19/2005	A5050901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/25/2005	A5408101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762204	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732708	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
08/05/2002	A2793610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-61M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732705	8021	ND	5	ND	ND	ND	ND	4.8	ND	26	ND	ND	35.8
08/05/2002	A2793611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980612	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670603	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050903	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/25/2005	A5408102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762206	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-62M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732712	8021	ND	ND	ND	ND	ND	ND	2.2	ND	7.4	ND	ND	9.6
08/05/2002	A2793609	8021	ND	ND	ND	ND	ND	ND	0.86 J	ND	3.1	ND	ND	3.96
10/04/2002	A2986403	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	1.2
01/17/2003	A3056009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978808	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307806	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725406	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-63M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2003	A3038006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32106	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307805	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725405	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-64M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732711	8021	ND	17	ND	ND	ND	ND	ND	ND	8.7	ND	ND	25.7
08/05/2002	A2793606	8021	ND	9.4	ND	ND	ND	ND	3.7	ND	6.8	ND	ND	19.9
10/07/2002	A2999204	8021	ND	0.9 J	ND	ND	ND	ND	0.3 J	ND	0.96 J	ND	ND	2.16
01/15/2003	A3043011	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978805	8021	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
01/07/2004	A4012307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050905	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/04/2005	A5307804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725404	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-65M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732713	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.6
08/05/2002	A2793607	8021	ND	0.24 J	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.73
10/07/2002	A2999203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043010	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050906	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	0.53
04/04/2005	A5307803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732706	8021	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	5.2
08/05/2002	A2793608	8021	ND	0.35 J	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.95
10/07/2002	A2999202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043005	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	0.24 J	ND	ND	0.62
04/07/2003	A3320701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012311	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050907	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725402	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-67M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050908	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	0.35
04/04/2005	A5307801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **DNAPL Sump**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041303	8021	ND	ND	ND	ND	ND	ND	74	ND	340	ND	ND	414
04/20/2001	A1366406	624	ND	ND	ND	ND	ND	ND	35	ND	320 D	ND	ND	355
07/13/2001	A1663813	8021	ND	ND	ND	ND	3.9	ND	39	ND	230	ND	ND	272.9
09/06/2001	A1858801	8021	ND	ND	ND	ND	110	ND	500	ND	4800	ND	ND	5410
10/15/2001	A1A17406	8021	ND	ND	ND	ND	58	ND	150	ND	3900	ND	ND	4108
01/24/2002	A2076711	8021	ND	ND	ND	ND	310	ND	740	560	8000	ND	ND	9610
04/19/2002	A2384302	8021	ND	ND	ND	ND	ND	ND	600	190	15000	ND	ND	15790
07/16/2002	A2722916	8021	ND	ND	ND	ND	610	ND	1500	1000	16000	ND	ND	19110
10/09/2002	A2A07507	8021	ND	ND	ND	ND	ND	ND	540	ND	12000	ND	ND	12540
04/09/2003	A3329402	8021	ND	ND	210	22	110	ND	390	1800	1200	ND	ND	3732
07/10/2003	A3654303	8021	ND	ND	ND	ND	ND	ND	860	400	7700	ND	ND	8960
10/13/2003	A3991301	8021	ND	ND	120	ND	100	ND	1200	870	7500	ND	ND	9790
01/07/2004	A4012402	8021	ND	ND	270	ND	ND	ND	1000	1800	7800	ND	120	10990
04/14/2004	A4331402	8021	ND	ND	180	ND	ND	ND	960	1800	9700	ND	ND	12640
07/07/2004	A4636803	8021	ND	ND	220	ND	ND	ND	1100	1100	12000	ND	ND	14420
10/08/2004	A4994502	8021	ND	ND	ND	ND	ND	ND	760	760	10000	ND	ND	11520
01/18/2005	A5051103	8260	ND	ND	ND	ND	ND	ND	860	1400	12000	ND	ND	14260
04/04/2005	A5307503	8260	ND	0.68 J	170 E	66 E	ND	7.7	810 E	1300 E	2500 E	1.9	20	4876.28
04/04/2005	A5307503DL	8260	ND	ND	ND	ND	ND	ND	580 D	1300 D	8200 D	ND	ND	10080
07/11/2005	A5724601	8260/5ML	ND	ND	70	ND	ND	ND	710	280	9200	ND	ND	10260
10/05/2005	A5B10701	8260	ND	ND	180	ND	ND	ND	530	1000	5400	ND	ND	7110

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND 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.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **P-4**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035111	8021	ND	ND	ND	ND	1.8 J	0.66 J	18	ND	26	ND	2.6	49.06
04/19/2001	A1361311	624	ND	ND	ND	ND	ND	ND	2.9	0.23	9.6	ND	ND	12.73
07/11/2001	A1648714	8021	ND	ND	ND	ND	ND	0.23 J	18	ND	4.9	ND	ND	23.13
10/16/2001	A1A17403	8021	ND	ND	ND	ND	1.3 J	2	220	ND	42	ND	ND	265.3
01/21/2002	A2066002	8021	ND	ND	7.7	5.4	2.4 J	12	1600 D	3.8	490 D	ND	17	2138.3
04/11/2002	A2348305	8021	ND	ND	ND	ND	ND	ND	1000	ND	940	ND	ND	1940
07/12/2002	A2713911	8021	ND	ND	7.3	ND	ND	ND	1200	ND	360	ND	ND	1567.3
10/08/2002	A2999306	8021	ND	15	ND	ND	ND	ND	480	ND	140	ND	ND	635
04/09/2003	A3329503	8021	ND	ND	ND	ND	33	ND	510	ND	620	ND	ND	1163
07/08/2003	A3649106	8021	ND	ND	ND	ND	ND	ND	710	15	1000	ND	ND	1725
10/13/2003	A3991408	8021	ND	ND	23	ND	9.2	17	1700	25	920	ND	ND	2694.2
01/09/2004	A4026204	8021	ND	ND	26	ND	ND	14	1300	22	1400	ND	23	2785
04/14/2004	A4331804	8021	ND	ND	20	ND	ND	8	720	9.8	770	ND	15	1542.8
07/06/2004	A4636507	8021	ND	ND	40	ND	ND	ND	1300	31	1400	ND	49	2820
10/08/2004	A4994503	8021	ND	ND	31	ND	ND	ND	1100	ND	1200	ND	33	2364
01/12/2005	A5036202	8260	ND	ND	ND	ND	ND	ND	650	ND	1200	ND	43	1893
04/04/2005	A5307702	8260	ND	ND	13	ND	ND	ND	560	ND	870	ND	26	1469
07/11/2005	A5724701	8260/5ML	ND	ND	21	6.7	ND	12	830	8.2	880	ND	10	1767.9
10/05/2005	A5B10604	8260	ND	ND	33	9.3	ND	16	1200 E	20	1000 E	ND	ND	2278.3
10/05/2005	A5B10604DL	8260	ND	ND	30 D	ND	ND	15 D	1200 D	16 D	910 D	ND	ND	2171

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **PW-1**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035112	8021	ND	ND	ND	ND	5.6	ND	71	ND	150	ND	ND	226.6
04/20/2001	A1366403	624	ND	ND	ND	ND	ND	2.4	84	ND	330 D	ND	1.9	418.3
07/11/2001	A1648702	8021	ND	ND	ND	ND	2.9	1.3	83	ND	140	ND	4.7	231.9
09/07/2001	A1863501	8021	ND	ND	ND	ND	38	ND	1500	ND	2500	ND	ND	4038
10/16/2001	A1A17402	8021	ND	ND	ND	ND	ND	ND	2700	ND	40000	ND	ND	42700
01/23/2002	A2076705	8021	ND	ND	ND	ND	1500	ND	880	ND	2000	ND	ND	4380
04/18/2002	A2378804	8021	ND	ND	ND	ND	23	ND	240	ND	1200	ND	ND	1463
07/16/2002	A2722914	8021	ND	ND	ND	ND	60	ND	520	ND	1800	ND	ND	2380
10/09/2002	A2A07508	8021	ND	ND	ND	ND	ND	ND	27000	ND	140000	ND	ND	167000
01/24/2003	A3075208	8021	ND	ND	ND	ND	ND	ND	920	ND	2100	ND	26	3046
04/09/2003	A3329403	8021	ND	ND	ND	ND	ND	ND	560	ND	1900	ND	ND	2460
07/10/2003	A3654305	8021	ND	ND	ND	ND	ND	ND	1200	ND	3800	ND	ND	5000
10/13/2003	A3991302	8021	ND	ND	ND	ND	ND	ND	1200	ND	3600	ND	ND	4800
01/09/2004	A4026101	8021	ND	ND	ND	ND	ND	18	380	ND	1300	ND	25	1723
04/14/2004	A4331403	8021	ND	ND	ND	ND	ND	ND	1400	ND	4500	ND	ND	5900
07/06/2004	A4636805	8021	ND	ND	ND	ND	ND	ND	540	ND	1600	ND	43	2183
10/07/2004	A4994204	8021	ND	ND	ND	ND	ND	ND	170	ND	130	ND	ND	300
01/12/2005	A5036101	8260	ND	ND	6.9	4.5	ND	6.1	900 E	5.5	2700 E	ND	ND	3623
01/12/2005	A5036101DL	8260							600 D		2400 D			3000
04/04/2005	A5307501	8260	ND	ND	1.2	0.61 J	ND	1.9	190 E	0.71 J	650 E	2	6.8	853.22
04/04/2005	A5307501DL	8260	ND	ND	ND	ND	ND	ND	350 D	ND	1500 BD	ND	ND	1850
07/11/2005	A5724602	8260/5ML	ND	ND	5.3	ND	ND	ND	410	ND	1100 E	ND	18	1533.3
07/11/2005	A5724602DL	8260/5ML	ND	ND	ND	ND	ND	ND	320 D	ND	870 D	ND	15 D	1205
10/05/2005	A5B10702	8260	ND	ND	ND	ND	ND	ND	390	11	1300	ND	13	1714

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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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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/13/2003	A3991406	8021	ND	ND	ND	5	ND	4.8	840 D	ND	1500 D	2.8	40 D	2392.6
01/07/2004	A4012401	8021	ND	ND	ND	ND	ND	ND	490	ND	1800	ND	ND	2290
04/14/2004	A4331401	8021	ND	ND	ND	ND	ND	ND	460	ND	2400	ND	ND	2860
07/07/2004	A4636804	8021	ND	ND	ND	ND	ND	ND	440	ND	1300	20	36	1796
10/13/2004	A4A09404	8021	ND	ND	ND	3.1	ND	2.5	490 D	ND	1200 D	4.1	3.1	1702.8
01/12/2005	A5036105	8260	ND	ND	ND	ND	ND	ND	700	ND	4000 E	ND	ND	4700
01/12/2005	A5036105DL	8260							460 D		2200 D			2660
04/04/2005	A5307502	8260	ND	ND	ND	2	ND	3.8	570 E	ND	1800 E	35	4.9	2415.7
04/04/2005	A5307502DL	8260	ND	ND	ND	ND	ND	ND	500 D	ND	3700 BD	ND	ND	4200
07/11/2005	A5724603	8260/5ML	ND	ND	ND	ND	ND	ND	1400	ND	3200	ND	36	4636
10/05/2005	A5B10703	8260	ND	ND	ND	ND	ND	ND	800	ND	1500	ND	ND	2300

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **Quarry Pond**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/24/2001	A1375203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2001	A1A28803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2002	A2351701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7
10/26/2004	A4A60301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2005	A5B19701	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, 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 nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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APPENDIX C
SPDES PERMIT, APRIL DMR, AND JULY DMR

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

DEC - 6

Erin M. Crotty
Commissioner

November 29, 2001

WERNER A SICVOL
ELM HOLDINGS INC C/O BP AMOCO CO
4850 E 49TH ST, RM MBC3-146
CUYAHOGA HEIGHTS, OH 44125

FACILITY INFORMATION

FORMER CARBORUNDUM COMPLEX - CORY RD
LOCATION : WHEATFIELD (T)
COUNTY : NIAGARA
DEC NO : 9-2940-00059-00003-
SPDES NO : NY 000 1988

Dear SPDES Permittee:

Enclosed please find your renewed State Pollutant Discharge Elimination System (SPDES) permit. This renewal permit together with the previously issued valid permit constitute authorization to discharge wastewater in accordance with all terms, conditions and limitations specified in your previously issued permit, including any valid modifications.

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:

Steven Doleski
NYSDEC REGION 9
270 Michigan Ave
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 Erin L. Burns at (518) 402-9170.

Sincerely,

Barbara B. Rinaldi

Barbara B. Rinaldi
Deputy Chief Permit Administrator

Enclosure
cc: RPA
RWE
BWP

ATTN: RICK BECKEN

17 PAGES

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 06/15/2001

Permittee Contact Name, Title, Address

ELM HOLDINGS INC C/O BP EXPLORATION & O
~~RICHARD M FRANKOWSKI~~ WERNER A. SICVOL
~~200 PUBLIC SQ, RM 7-I~~
~~CLEVELAND OH 44114-2375~~
4850 E. 49TH ST.
ROOM MB23-14C
CUYAHOGA HTS. OH 44125

Facility and SPDES Permit Information

Name: FORMER CARBORUNDUM SPECIALITY GRA
Ind. Code: 9999 County: NIAGARA
DEC No.: 9-2940-00059/00003
SPDES No.: NY 000 1988
Expiration Date: 04/01/2002
Application Due By: 10/03/2001

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.

WERNER A. SICVOL — Name of person signing application (see instructions on back)

SENIOR PROJECT MANAGER — Title

W A Sicvol — Signature

10/01/01 — Date

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

Effective Date: 4.1.02 Expiration Date: 4.1.07

Barbara B. Rinaldi — Permit Administrator

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

Barbara B. Rinaldi — Signature

11/29/01 — Date

This permit together with the previous valid permit for this facility issued 10/11/96 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 11.90

INSTRUCTIONS FOR PERMIT RENEWAL
State Pollutant Discharge Elimination System (SPDES) Permits

DETAILED INSTRUCTIONS

Before completing Part 2 of the one page NOTICE/RENEWAL APPLICATION/PERMIT form and the attached QUESTIONNAIRE *read* the **BACKGROUND** discussion and **SPDES PERMIT SELF EVALUATION LIST** found on the following pages.

1. QUESTIONNAIRE: Read the instructions and enclosed "Self Evaluation List" carefully. Answer the questions that require a specific answer as indicated and enclose the questionnaire with this application.

2. OTHER FORMS: You may receive additional forms that are not mentioned in the discussion accompanying this notice. These additional forms must be completed and returned with your application or your application will be considered incomplete. For example: Any facility located in Brooklyn, Queens, Nassau or Suffolk counties will receive an application supplement entitled Discharges Within Sole Source Aquifers which must be submitted.

3. PART 1 - NOTICE: Check the information in this section carefully. Make any appropriate corrections on the page.

4. PART 2 - APPLICATION: Read the certification carefully and fill in the blanks. Print or type the name and title of the person who will sign the application in the blanks. Acceptable signatures are as follows:

Organization	Required Signature
• Corporation	Principal executive officer of at least vice-president level or a duly authorized representative who is responsible for the overall operation of the facility.
• Partnership	General partner.
• Sole proprietorship	Proprietor.
• Municipality, state, federal, or public facility	Principal executive officer, other ranking elected official, or other duly authorized employee.
Fill in the date of signing.	*(See federal regulations 40CFR Part 122.22, available at:* www.access.gpo.gov/nara/cfr/cfrhtml_00/Title_40/40cfr122_00.html *for a full description of acceptable signatures)*

5. FILING THE PERMIT APPLICATION: Use the envelope provided with this notice to mail the one page NOTICE/RENEWAL APPLICATION/PERMIT form, completed QUESTIONNAIRE, and any other forms requiring a response that you received with this notice to: NYSDEC - Environmental Permits, Bureau of Environmental Analysis, 625 Broadway, Albany, NY 12233-1750. For questions, phone: (518) 402-9170 Keep a copy for your records.

CAUTION: This Albany address must only be used for permit renewal activities. Other questions concerning your permit, including all **modification requests**, should be directed to the Regional Permit Administrator for the DEC region that issued your initial permit (or refer to the enclosed list of Regional Filing Locations).

6. PUBLIC NOTIFICATION: The Department must do a public notification of our intention to renew your permit without change. Comments submitted to the Department will be used to judge whether your permit may need to be modified in the future.

7. PERMIT: Following public notice, you will receive a copy of the NOTICE/RENEWAL APPLICATION/PERMIT with PART 3 - PERMIT, filled in and signed. ***Then, attach this page to your old permit.*** The new effective and expiration dates will be indicated.

8. FEES: **THE DEPARTMENT NO LONGER ASSESSES SPDES PERMIT APPLICATION FEES.** This change in legislation does not affect the yearly Regulatory Fee which you must still pay.

91-20-5a (7/99)

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 0001988

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 the GOLD 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 my permit 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.

☐ 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:

DISTRIBUTION: Regional Water Engineer – WHITE
Central Office (BWP) – YELLOW
Regional Permit Administrator – PINK
Applicant – GOLD

...ent Discharge Elimination Sy...m (SPDES)
DISCHARGE PERMIT
Special Conditions (Part 1), Page 1 of 6

Industrial Code: 9511
Discharge Class (CL): 03
...xic Class (TX): T
...Major Drainage Basin: 01
Sub Drainage Basin: 01
Water Index Number: O-158-8
Compact Area: LJC

SPDES Number: NY-0001988
DEC Number: 9-2940-00059/00003
Effective Date (EDP): 04/01/1997
Expiration Date (ExPD): 04/01/2002
Modification Dates: 04/01/1998, 09/04/2001
Attachment(s): General Conditions (Part II) Date: 11/90

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name: **Elm Holdings, Incorporated**
Street: **4850 East 49th Street, MBC3 - 146**
City: **Cuyahoga Heights**
Attention: **Mr. Werner A. Sicvol**
Senior Project Manager
State: **Ohio** Zip Code: **44125**

is authorized to discharge from the facility described below:

FACILITY NAME AND ADDRESS

Name: **Former Carborundum Complex (Cory Road)**
Location (C,T,V): **Wheatfield (T)** County: **Niagara**
Facility Address: **2040 Cory Road**
City: **Sanborn** State: **NY** Zip Code: **14132**
NYTM -E: **179.4** NYTM - N: **4782.5**
From Outfall No.: **01 A** at Latitude: **43 ° 07 ' 07 "** & Longitude: **78 ° 56 ' 24 "**
into receiving waters known as: **Cayuga Creek** Class: **C**
and; (list other Outfalls, Receiving Waters & Water Classifications)

in accordance with the effluent limitations, monitoring requirements and other conditions set forth in Special Conditions (Part I) and General Conditions (Part II) of this permit.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name: **Elm Holdings, Incorporated, c/o BP Amoco Company**
Street: **4850 East 49th Street, Room MBC3-146**
City: **Cuyahoga Heights** State: **Ohio** Zip Code: **44125**
Responsible Official or Agent: **Mr. Werner A. Sicvol, Sr. Project Manager** Phone: **(216) 271-8037**

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:
DEP File No. 9-1409-00004/00001
Mr. R. Swiniuch/Mr.Robert Locey
Mr. R. Hannaford, Bureau of Water Permits
EPA Region II
Mr. J. Devald, Niagara County Health Department

Permit Administrator: Richard P. Sweeney (Deputy)
Address: NYSDEC - Region 9
270 Michigan Avenue, Buffalo, NY 14203-2999
Signature: Richard P Sweeney Date: 09/04/01

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Modification Date(s): 09/04/2001

During the period beginning (EDPM) September 4, 2001

and lasting until 04/01/2002

the discharges from the permitted facility shall be limited and monitored by the permittee as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations Daily Avg.	Daily Max.	Units	Minimum Monitoring Requirements Measurement Frequency	Sample Type
Outfall 01A - Groundwater Treatment System Effluent					
Flow	Monitor	864,000	gpd	Continuous	Meter
BOD, 5-day	5	30	mg/l	2/month	24 hr. Comp.
Solids, Total Suspended	20	40	mg/l	2/month	24 hr. Comp.
pH	6-9		SU	Weekly	Grab
Oil & Grease	Monitor	15	mg/l	2/month	Grab
Temperature	Monitor	90	Deg.F	Monthly	Grab
Chloride, Total Residual	Monitor	0.5	mg/l	Monthly	Grab
Phenolics, Total	Monitor	8	µg/l	2/month	24 hr. Comp.
Iron, Total	Monitor	4	mg/l	Monthly	24 hr. Comp.
Cadmium, Total	Monitor	10	µg/l	Monthly	24 hr. Comp.
Chromium, Total	Monitor	50	µg/l	Monthly	24 hr. Comp.
Copper, Total	Monitor	32	µg/l	Monthly	24 hr. Comp.
Copper, Dissolved	Monitor	Monitor	µg/l	Monthly	24 hr. Comp.
Lead, Total	Monitor	50	µg/l	Monthly	24 hr. Comp.
Mercury, Total	Monitor	0.8	µg/l	Monthly	24 hr. Comp.
senic, Total	Monitor	190	µg/l	Monthly	24 hr. Comp.
yanide, Total	Monitor	60	µg/l	Monthly	24 hr. Comp.
Zinc, Total	Monitor	5.0	mg/l	Monthly	24 hr. Comp.
Zinc, Dissolved	Monitor	Monitor	mg/l	Monthly	24 hr. Comp.
Chloroform	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,1-Dichloroethane	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,2-Dichloroethane	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,1-Dichloroethene	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,2-(cis)-Dichloroethene	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,2-(trans)-Dichloroethene	Monitor	10	µg/l	Weekly	24 hr. Comp.
Methylene Chloride	Monitor	10	µg/l	Weekly	24 hr. Comp.
1,1,1-Trichloroethane	Monitor	10	µg/l	Weekly	24 hr. Comp.
Trichloroethene	Monitor	10	µg/l	Weekly	24 hr. Comp.
Vinyl Chloride	Monitor	10	µg/l	2/month	24 hr. Comp.

ACTION LEVEL REQUIREMENTS (TYPE I)

The parameters listed below have been reported present in the discharge but at levels that currently do not require water quality or technology based limits. Action levels have been established which, if exceeded, will result in reconsideration or water quality or technology based limits.

Routine action level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If submission of DMR's is not required by this permit, the results shall be maintained in accordance with instructions on the RECORDING, REPORTING AND MONITORING page of this permit.

If any of the action levels is exceeded, the permittee shall undertake a short-term, high-intensity monitoring program for this parameter. Samples identical to those required for routine monitoring purposes shall be taken on each of at least three operating days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the action level was first exceeded. Results may be appended to the DMR or transmitted under separate cover to the addresses listed on the RECORDING, REPORTING AND MONITORING page of this permit. If levels higher than the actions levels are confirmed the permit may be reopened by the Department for consideration of revised action levels or effluent limits.

The permittee is not authorized to discharge any of listed parameters at levels which may cause or contribute to a violation of water quality standards.

Outfall Number & Effluent Parameter	Action Level	Units	Minimum Monitoring Requirements: Measurement Frequency	Sample Type
Outfall 01 A:				
Nickel, Total	0.07	lb/d	Quarterly	24 hr. Comp.
Silver, Total	0.07	lb/d	Quarterly	24 hr. Comp.

SPECIAL CONDITION

Analyses for the metals listed below shall be performed utilizing the specified methods:

Cadmium, Total - EPA Method 213.2
Chromium, Total - EPA Methods 218.2 or 218.3
Lead, Total - EPA Method 239.2

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SPDES No.: NY 000 1988

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Modification Date(s): 09/04/2001

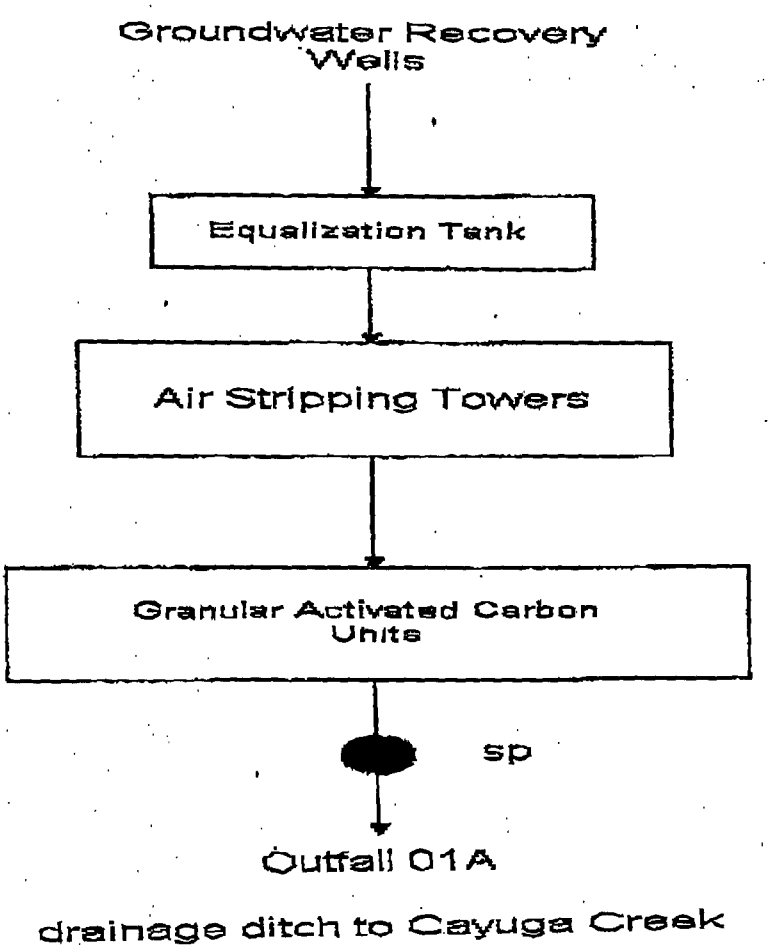
DEFINITIONS OF DAILY AVERAGE AND DAILY MAXIMUM

The daily average discharge is the total discharge by weight or in other appropriate units as specified herein, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges in appropriate units as specified herein divided by the number of days during the calendar month when measurements were made.

The daily maximum discharge means the total discharge by weight or in other appropriate units as specified herein, during any calendar day.

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the location(s) indicated below:



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RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.

b) The monitoring information required by this permit shall be summarized, signed and retained for a period of three years from the date of the sampling for subsequent inspection by the Department or its designated agent. Also;

[X] (if box is checked) monitoring information required by this permit shall be summarized and reported by submitting completed and signed Discharge Monitoring Report (DMR) forms for each one month reporting period to the locations specified below. Blank forms are available at the Department's Albany office listed below. The first reporting period begins on the effective date of this permit and the reports will be due no later than the 28th day of the month following the end of each reporting period.

Send the original (top sheet) of each DMR page to:

Department of Environmental Conservation
Division of Water
Bureau of Water Compliance Programs
625 Broadway
Albany, New York 12233-3506

Phone: (518)402-8177

Send the second copy (third sheet) of each DMR page to:

Niagara County Health Department
5467 Upper Mountain Road
Lockport, New York 14094

Phone : 716 - 439 - 7440

Send the first copy (second sheet) of each DMR page to:

Department of Environmental Conservation
Regional Water Engineer
Region 9
270 Michigan Avenue
Buffalo, New York 14203 - 2999

c) A monthly "Wastewater Facility Operation Report..." (form 92-15-7) shall be submitted (if box is checked) to the [ ] Regional Water Engineer and/or [ ] County Health Department or Environmental Control Agency listed above.

d) Noncompliance with the provisions of this permit shall be reported to the Department as prescribed in the attached General Conditions (Part II)

e) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

f) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.

g) Calculation for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

h) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.

i) Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be sent to the Environmental Laboratory Accreditation Program, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences , The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE PERMIT

GENERAL CONDITIONS
(PART II)

1. GENERAL PROVISIONS

a. This permit, or a true copy, shall be kept readily available for reference at the wastewater treatment facility.

b. A determination has been made on the basis of a submitted application, plans, or other available information, that compliance with the specified permit provisions will reasonably protect classified water use and assure compliance with applicable water quality standards. Satisfaction of permit provisions notwithstanding, if operation pursuant to the permit causes or contributes to a condition in contravention of State water quality standards, or if the Department determines, on the basis of notice provided by the permittee and any related investigation, inspection or sampling, that a modification of the permit is necessary to prevent impairment of the best use of the waters or to assure maintenance of water quality standards or compliance with other provisions of ECL Article 17, or the Act, the Department may require such a modification and may require abatement action to be taken by the permittee and may also prohibit the noticed act until the permit has been modified.

c. All discharges authorized by this permit shall be consistent with the terms and conditions of this permit. Facility expansion or other modifications, production increases, product changes, product process modifications, and wastewater collection, treatment and disposal system changes which will result in new or increased discharges of pollutants into the waters of the state must be reported by submission of a new SPDES application, in which case the permit may be modified accordingly. The discharge of any pollutant, not identified and authorized, or the discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit. Facility modifications, process modifications, or production decreases which result in decreased discharges of pollutants must be reported by submission of written notice to the permit-issuing authority, in which case the permit-issuing authority may require the permittee to submit a new SPDES application.

d. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

e. If the discharge(s) permitted herein originate within the jurisdiction of an interstate water pollution control agency, then the permitted discharge(s) must also comply with any applicable effluent standards or water quality standards promulgated by that interstate agency.

f. The permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the Environmental Conservation Law and the Clean Water Act and is grounds for: enforcement action; for permit suspension, revocation and modification; and for denial of a permit renewal application.

g. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, the permittee shall promptly submit such facts or information.

h. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

i. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

j. The Clean Water Act provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed $25,000 per day of such violations. Any person who willfully or negligently violates permit conditions implementing sections 301, 302, 306, 307, or 308 of the Clean Water Act is subject to a fine of not less than $5,000 nor more than $50,000 per day of violation, or by imprisonment for not more than three years, or both.

k. The filing of a request by the permittee for a permit modification, revocation, transfer, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

l. The permittee shall furnish to the Department, within a reasonable time, any information which Department may request to determine whether cause exists for modifying, suspending, or revoking ... permit, or to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

m. Nothing in this permit relieves the permittee from a requirement to obtain other permits required by law, including, but not limited to:

(1) an air contamination source permit/certification under 6NYCRR Part 201;

(2) a waste transporter permit under 6NYCRR Part 364; or

(3) a radioactive waste discharge permit under 6NYCRR Part 380.

2. SPECIAL REPORTING REQUIREMENTS FOR EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL DISCHARGERS

All existing manufacturing, commercial, mining and silvicultural dischargers must notify the Department as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not specifically controlled in the permit, pursuant to General Provision 1 © herein. For the purposes of this section, recurrent accidental or unintentional spills or releases shall be considered to be a discharge on a frequent basis.

b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

(1) 500 micrograms/liter;

(2) 1.0 milligram/liter for antimony;

(3) five times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR §122.21(g)(7); or

(4) the level established by the Department in accordance with 40 CFR §122.44(f).

c. That they have begun or expect to begin to use, or manufacture as an intermediate or final product or by-product, any toxic pollutant which was not reported in the permit application under 40 CFR §122.21(g)(9) and which is being or may be discharged to waters of the state.

3. EXCLUSIONS

a. The issuance of this permit by the Department and the receipt thereof by the Applicant does not supersede, revoke or rescind an order or modification thereof on consent or determination by the Commissioner issued heretofore by the Department or any of the terms, conditions or requirements contained in such order or modification thereof unless specifically intended by said order.

b. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations; nor does it obviate the necessity of obtaining the assent of any other jurisdiction as required by law for the discharge authorized.

c. This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

d. Oil and hazardous substance liability: The imposition of responsibilities upon, or the institution of any legal action against the permittee under Section 311 of the Clean Water Act shall be in conformance with regulations promulgated pursuant to Section 311 governing the applicability of Section 311 of the Clean Water Act to discharges from facilities with NPDES permits.

4. MODIFICATION, SUSPENSION, REVOCATION

a. If the permittee fails or refuses to comply with any requirement in this permit, such noncompliance shall constitute a violation of the permit for which the Commissioner may modify, suspend, or revoke the permit after notice and opportunity for hearing and take direct enforcement action pursuant to law. When, at any time during or prior to a period for compliance, the permittee announces or otherwise lets it be known, or the Commissioner on reasonable cause determines, that the permittee will not make the requisite efforts to achieve compliance with an interim or final requirement, the Commissioner may modify, suspend or revoke the permit and take direct enforcement action pursuant to law, without waiting for expiration of the period for compliance with such requirements.

b. After notice and opportunity for a hearing, the Department may modify, suspend or revoke this permit, whole or in part during its term for cause including, but not limited to, the following:

(1) violation of any provision of this permit; or

(2) obtaining this permit by misrepresentation or failure to disclose fully all relevant facts at any time; or materially false or inaccurate statements or information in the application or the permit; or

(3) a change in any physical circumstances, requirements or criteria applicable to discharges, including, but not limited to:

(i) standards for construction or operation of the discharging facility;

(ii) the characteristics of the waters into which such discharge is made;

(iii) the water quality criteria applicable to such is made;

(iv) the classification of such waters; or

(v) effluent limitations or other requirements applicable pursuant to the Act or State Law.

(4) a determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification, a suspension, or revocation.

(5) violation of any order of the Commissioner or provision of ECL or regulation promulgated thereunder, which is related to the permitted activity.

(6) Newly discovered material information or material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of this permit.

c. If any applicable toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under section 307(a) of the Clean Water Act for a toxic pollutant and that a standard or prohibition is more stringent than any limitation on the pollutant the permit, the Department shall institute proceedings to modify the permit in order to achieve conformance with the toxic effluent standard or prohibition and in conformance with ECL 17-0809.

5. REPORTING NONCOMPLIANCE

a. Anticipated noncompliance. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

b. Twenty-four hour reporting. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written noncompliance report shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written noncompliance report shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent the noncompliance and its reoccurrence.

(1) The following shall be included as information which must be reported within 24 hours under paragraph (b) above:

(i) any unanticipated bypass which violates any effluent limitation in the permit;

(ii) any upset which violates any effluent limitation in the permit;

(iii) violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.

(iv) any unusual situation, caused by a deviation from normal operation or experience (e.g. upsets, bypasses, inoperative treatment process units, spills or illegal chemical discharges or releases to the collection system) which creats a potentially hazardous condition.

(v) any dry weather overflow(s).

(2) The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

(3) Reports required by this section shall be filed with the Department's regional office having jurisdiction over the permitted facility. During weekends, oral noncompliance reports, required by this paragraph, may be made at (518) 457-7362.

c. Other noncompliance. The permittee shall report all instances of noncompliance not otherwise required to be reported under this section or other sections of this permit, with each submitted copy of its Discharge Monitoring Reports until such noncompliance ceases. Such noncompliance reports shall contain the information listed in paragraph (b) of this section.

d. Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

6. INSPECTION AND ENTRY

The permittee shall allow the Commissioner of the Department, the EPA Regional Administrator, the County Health Department, or their authorized representatives, upon the presentation of credentials and other documents as may be required by law, to:

a. enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

b. have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, including records maintained for purposes of operation and maintenance;

c. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit;

d. sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or Environmental Conservation Law, any substances or parameters at any location; and

e. enter upon the property of any contributor of wastewater to the system under authority of the permittee's Sewer Use Ordinance (municipalities) or Regulations.

7. TRANSFER OF PERMIT

a. A permit is transferable only with prior written approval of the Department.

b. To transfer a permit to a new owner or operator, written application must be made to the Department. Application for Permit Transfer forms can be obtained from, and must be submitted to, the appropriate regional office of the Department's Division of Regulatory Affairs.

c. In order for operation of the facility to continue without interruption, application must be made at least 30 days in advance of the transfer.

d. If, when the ownership or operation is transferred, the volume or composition of the facility discharge will be altered, a new application for permit may be required.

8. PERMIT RENEWAL

a. Any permittee who wishes to continue to discharge after the expiration date of a permit shall apply for renewal of its permit no later than 180 days prior to the permit's expiration date (unless permission for a later date has been granted by the Department) by submitting any forms, fees, or supplemental information which may be required by the Department. Upon request, the Department shall provide the permittee with specific information concerning the forms, fees, and supplemental information required.

b. When a permittee has made timely and sufficient application for the renewal of a permit or a new permit with reference to any activity of a continuing nature, the existing permit does not expire until the application has been finally determined by the Department, and, in case the application is denied or the terms of the new permit limited, until the last day for seeking review of the Department order or a later date fixed by order of the reviewing court, provided that this subdivision shall not affect any valid Department action then in effect summarily suspending such permit.

c. A municipality applying for a permit (renewal) shall submit evidence that it is enforcing an up-to-date enacted Sewer Use Ordinance which was approved by the Department.

d. A municipality applying for a permit (renewal) shall have an approved method of residuals disposal compliance with Part 6-NYCRR 360 and 364.

e. A municipality receiving industrial waste shall submit evidence that it is operating (or implementing) its industrial pretreatment program in accordance with Part 6 NYCRR 651.53(f).

9. SPECIAL PROVISIONS - NEW OR MODIFIED DISPOSAL SYSTEMS OR SERVICE AREAS

a. Prior to construction of any new or modified waste disposal system or modification of a facility or service area generating wastewater which could alter the design volume of, or the method or effect of treatment or disposing of the sewage, industrial waste or other wastes, from an existing waste disposal system, the Permittee shall submit to the Department or its designated field office for review, an approvable engineering report, plans, and specifications which have been prepared by a person or firm licensed to practice Professional Engineering in the State of New York.

b. The construction of the above new or modified disposal system shall not start until the Permittee receives written approval of the system from the Department or its designated field office.

c. The construction of the above new or modified disposal system shall be under the general supervision of a person or firm licensed to practice Professional Engineering in New York State. Upon completion of construction, that person or firm shall certify to the Department or its designated field office that the system has been fully completed in accordance with the approved engineering report, plans and specifications, permit and letter of approval; and the permittee shall receive written acceptance of such certificate from the Department or designated field agency prior to commencing discharge.

d. The Department and its designated field offices review wastewater disposal system reports, plans, and specifications for treatment process capability only, and approval by either office does not constitute approval of the system's structural integrity.

10. MONITORING, RECORDING, AND REPORTING

10.1 GENERAL

a. The permittee shall comply with all recording, reporting, monitoring and sampling requirements specified in this permit and such other additional terms, provisions, requirements or conditions that the Department may deem to be reasonably necessary to achieve the purposes of the Environmental Conservation Law, Article 17, the Act, or rules and regulations adopted pursuant thereto.

b. Samples and measurements taken to meet the monitoring requirements specified in this permit shall be representative of the quantity and character of the monitored discharges. Composite samples shall be composed of a minimum of 8 grab samples, collected over the specified collection period, either at a constant sample volume for a constant flow interval or at a flow-proportioned sample volume for a constant time interval, unless otherwise specified in Part I of this permit. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. At least 4 (rather than 8) aliquots or grab samples should be collected over the specified collection period. Grab sample means a single sample, taken over a period not exceeding 15 minutes.

c. Accessible sampling locations must be provided and maintained. New sampling locations shall be provided if existing locations are deemed unsuitable by the Department or its designated field agency.

d. Actual measured values of all positive analytical results obtained above the Practical Quantitation Limit (PQL)[1] for all monitored parameters shall be recorded and reported, as required by this permit; except, where parameters are limited in this permit to values below the PQL, actual measured values for all positive analytical results above the Method Detection Limit (MDL)[2] shall be reported.

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1 Practical Quantitation Limit (PQL) is the lowest level that can be measured within specified limits of precision and accuracy during routine laboratory operations on most effluent matrices.

2 Method Detection Limit (MDL) is the level at which the analytical procedure referenced is capable of determining with a 99% probability that the substance is present. This value is determined in distilled water with no interfering substances present. The precision at this level is +/- 100%.

e. The permittee shall periodically calibrate and perform manufacturer's recommended maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements. Verification of maintenance shall be logged into the daily record book(s) of the facility. The permittee shall notify the Department's regional office immediately if any required instrumentation becomes inoperable. In addition, the permittee shall verify the accuracy of their measuring equipment to the Department's Regional Office annually.

f. The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, shall upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years per violation or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or by both.

10.2 SIGNATORIES AND CERTIFICATION

a. All reports required by this permit shall be signed as follows:

(1) for a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:

(I) a president, secretary, treasurer, or a vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making function for the corporation, or

(ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars),if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

(3) for a municipality, state, federal, or other public agency: by either a principal or executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (I) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or

(4) a duly authorized representative of the person described in items (1), (2), or (3). A person is a duly authorized representative only if:

(I) the authorization is made in writing by a person described in paragraph (a)(1), (2), or (3) of this section;

(ii) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

(iii) the written authorization is submitted to the Department.

b. Changes to authorization: If an authorization under subparagraph (a)(4) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of subparagraph (a)(4) of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

c. Certification: Any person signing a report shall make the following certification:

"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 permit 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."

d. The Clean Water Act provides that any person who knowingly makes any material false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or by both.

10.3 RECORDING OF MONITORING ACTIVITIES AND RESULTS

a. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

b. Records of monitoring information shall include:

(1) the date, exact place, and time of sampling or measurements;

(2) the individual(s) who performed the sampling or measurements;

(3) the date(s) analyses were performed;

(4) the individual(s) who performed the analyses;

(5) the analytical techniques or methods used; and

(6) the results of such analyses.

10.4 TEST AND ANALYTICAL PROCEDURES

a. Monitoring and analysis must be conducted using test procedures promulgated, pursuant to 40 CFR Part 136, except:

(1) should the Department require the use of a particular test procedure, such test procedure will be specified in Part I of this permit.

(2) should the permittee desire to use a test method not approved herein, prior Department approval is required, pursuant to paragraph (b) of this section.

b. Application for approval of test procedures shall be made to the Department's Regional Permit Administrator (see Part 1, page 1 for address), and shall contain:

(1) the name and address of the applicant or the responsible person making the discharge, the DEC permit number and applicable SPDES identification number of the existing or pending permit, name of the permit issuing agency, name and telephone number of applicant's contact person;

(2) the names of the pollutants or parameters for which an alternate testing procedure is being requested, and the monitoring location(s) at which each testing procedure will be utilized;

(3) justification for using test procedures, other than those approved in paragraph (a) of this section; and

(4) a detailed description of the alternate procedure, together with:

(i) references to published studies, if any, of the applicability of the alternate test procedure to the effluent in question;

(ii) information on known interferences, if any; and

(5) a comparability study, using both approved and the proposed methods. The study shall consist of 8 replicates of 3 samples from a well mixed waste stream for each Outfall if less than 5 outfalls are involved, or from 5 outfalls if 5 or more outfalls are involved. Four (4) replicates from each of the samples must be analyzed using a method approved in paragraph (a) of this section, and four of the replicates of each sample must be analyzed using the proposed method. This results in 24 analyses per Outfall up to a maximum of 120 analyses per permit. A statistical analysis of the data must be submitted that shall include, as a minimum:

(i) calculated statistical mean and standard deviation;

(ii) a test for outliers at the mean ±3 standard deviations level. Where an outlier is detected, an additional sample must be collected and 8 replicates of the sample must be analyzed as specified above;

(iii) a plot distribution with frequency counts and histogram;

(iv) a test for equality among with-in sample standard deviation;

(v) a check for equality of pooled with-in sample variance with an F-Test;

(vi) a t-Test to determine equality of method means; and

copies of all data generated in the study.

Additional information can be obtained by contacting the Bureau of Watershed Assessment & Research (NYSDEC, 50 Wolf Road, Albany, New York 12233 - 3502).

11. DISPOSAL SYSTEM OPERATION AND QUALITY CONTROL

11.1 GENERAL

a. The disposal system shall not receive or be committed to receive wastes beyond its design capacity as to volume and character of wastes treated, nor shall the system be materially altered as to: type, degree, or capacity of treatment provided; disposal of treated effluent; or treatment and disposal of separated scum, liquids, solids or combination thereof resulting from the treatment process without written approval of the Department of Environmental Conservation or its designated field office.

b. The permittee shall, at all times, properly operate and maintain all facilities and systems of treatment and control (or related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes as a minimum, the following: 1) A preventive/corrective maintenance program. 2) A site specific action orientated operation and maintenance manual for routine use, training new operators, adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

c. When required under Title 6 of the Official Compilation of Codes, Rules and Regulations of the State of New York (6NYCRR 650), sufficient personnel meeting qualifications for operators of sewage treatment works as required therein and additional maintenance personnel shall be employed to satisfactorily operate and maintain the treatment works.

d. The permittee shall not discharge floating solids or visible foam.

11.2 BYPASS

a. Definitions:

(1) "Bypass" means the intentional or unintentional diversion of waste stream(s) around any portion of a treatment facility for the purpose or having the effect of reducing the degree of treatment intended for the bypassed portion of the treatment facility.

(2) "Severe property damage" means substantial damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which would not reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations:

The permittee may allow any bypass to occur which does not cause effluent limitations to be violated, but only if it also is for essential maintenance, repair or replacement to assure efficient and proper operation. These bypasses are not subject to the provisions of paragraph © and (d) of this section, provided that written notice is submitted prior to bypass (if anticipated) or as soon as possible after bypass (if unanticipated), and no public health hazard is created by the bypass.

c. Notice:

(1) Anticipated bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior written notice, at least forty five (45) days before the date of the bypass.

(2) Unanticipated bypass - The permittee shall submit notice of an unanticipated bypass as required in Section 5, paragraph b. of this Part (24 hour notice).

d. Prohibition of bypass:

(1) Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:

(i) bypass was unavoidable to prevent loss of life, personal injury, public health hazard, or severe property damage;

(ii) there were no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal period of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance or if designed and installed backup equipment which could have prevented or mitigated the impact of the bypass is not operating during the bypass; and

(iii) the permittee submitted notices as required under paragraph © of this section and, excepting emergency conditions, the proposed bypass was accepted by the Department.

11.3 UPSET

a. Definition:

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. Effect of an upset:

An upset constitutes an affirmative defense to an action brought for noncompliance with such permit effluent limitations if the requirements of paragraph © of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

c. Conditions necessary for a demonstration of upset:

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operation logs, or other relevant evidence that:

(1) an upset occurred and that the permittee can identify the cause(s) of the upset;

(2) the permitted facility was at the time being properly operated; and

(3) the permittee submitted notice of the upset as required in Section 6, paragraph b of this part (24 hour notice).

(4) the permittee complied with any remedial measures required under Section 5, paragraph d of this part.

d. Burden of proof:

In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

11.4 SPECIAL CONDITION - DISPOSAL SYSTEMS WITH SEPTIC TANKS

If a septic tank is installed as part of the disposal system, it shall be inspected by the permittee or his agent for scum and sludge accumulation at intervals not to exceed one year's duration, and such accumulation will be removed before the depth of either exceeds one-fourth (1/4) of the liquid depth so that no settleable solids or scum will leave in the septic tank effluent. Such accumulation shall be disposed of in an approved manner.

11.5 SLUDGE DISPOSAL

The storage or disposal of collected screenings, sludges, other solids, or precipitates separated from the permitted discharges and/or intake or supply water by the permittee shall be done in such a manner as to prevent creation of nuisance conditions or entry of such materials into classified waters or their tributaries, and in a manner approved by the Department. Any live fish, shellfish, or other animals collected or trapped as a result of intake water screening or treatment should be returned to their water body habitat. The permittee shall maintain records of disposal on all effluent screenings, sludges and other solids associated with the discharge(s) herein described. The following data shall be compiled and reported to the Department or its designated field office upon request:

a. the sources of the materials to be disposed of;

b. the approximate volumes, weights, water content and (if other than sewage sludge) chemical composition;

c. the method by which they were removed and transported, including the name and permit number of the waste transporter; and

d. their final disposal locations.

12. CONDITIONS APPLICABLE TO A PUBLICLY OWNED TREATMENT WORKS (POTW)

12.1 GENERAL

a. All POTWs must provide adequate notice to the Department of the following:

(1) any new introduction of pollutants into the POTW from an indirect discharger which would be subject to sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants; and

(2) any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.

(3) For purposes of this paragraph, adequate notice shall include information on:

(I) the quality and quantity of effluent introduced into the POTW; and

(II) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

b. Dry weather overflows are prohibited. The occurance of any dry weather overflow constitutes a bypass exceeding limitations as defined in Section 11.2 of this Part and shall be promptly abated and reported to the Department in accord with Section 5 of this Part. The permittee shall inspect all overflow facilities at least twice per year (once each spring and fall) during periods of dry weather flow to ensure they are functioning properly. Records of all inspections shall be maintained for inspection by the Department or its designated representative

c. The permittee shall identify all inflow to the tributary system and remove excessive infiltration/inflow to an extent which is economically feasible.

d. The permittee shall enact, maintain and enforce an up-to-date and effective Sewer Use Ordinance which has been approved by the Department.

e. New connections to a publicly owned sewer system or a privatized municipal sewer system are prohibited when the permittee is notified by the Department:

(1) that the discharge(s) regulated by this permit create(s) or is likely to create a public health or potential public health hazard, a contravention of water quality standards or the impairment of the best use of waters, as determined by the Commissioner; or

(2) that the discharge(s) regulated by this permit exceeded the permit limit for a specific parameter, including flow, in four of any six consecutive month periods or exceeded a permit limit by 1.4 (1.2 for toxics) times the permit limit in two of any six consecutive month periods; or

(3) that the permittee has failed or is likely to fail to carry out, meet or comply with any requirement of this permit, compliance schedule, order of the Department, judicial order, or consent decree.

f. The provisions provided for in e. above shall remain in effect until the Permittee can demonstrate to the Department's satisfaction and approval that adequate available capacity exists in the plant and that the facility is in full compliance with all of the effluent limitations required by this permit.

12.2 NATIONAL PRETREATMENT STANDARDS: PROHIBITED DISCHARGES

a. General prohibitions:

Pollutants introduced into POTW's by a non-domestic source shall not pass through the POTW or interfere with the operation or performance of the works or disposal of sludge. These general prohibitions and the specific prohibitions in paragraph (b) of this section apply to all non-domestic sources introducing pollutants into a POTW whether or not the source is subject to other National Pretreatment Standards or any national, State, or local Pretreatment Requirements.

b. Specific prohibition:

In addition, the following pollutants shall not be introduced into a POTW:

(1) pollutants which create a fire or explosion hazard in the POTW;

(2) pollutants which will cause corrosive structural damage to the POTW, but in no case discharge with pH lower than 5.0 unless the works is specifically designed to accommodate such discharges;

(3) solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;

(4) any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW.

(5) heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40° C (104° F) unless the Approval Authority, upon request of the POTW, approves alternate temperature limits.

c. When Specific Limits Must be Developed by a POTW:

(1) POTW's developing POTW Pretreatment Programs pursuant to §403.8 shall develop and enforce specific limits to implement the prohibitions listed in §403.5(a) and (b).

(2) All other POTW's shall, in cases where pollutants contributed by User(s) result in Interference or Pass-Through, and such violation is likely to recur, develop and enforce specific effluent limits for Industrial User(s), and all other users, as appropriate, which, together with appropriate changes in the POTW Treatment Plant's Facilities or operation, are necessary to ensure renewed

and continued compliance with the POTW's SPDES permit or sludge use or disposal practices.

(3) Specific effluent limits shall not be developed and enforced without individual notice to persons or groups who have requested such notice and an opportunity to respond.

d. Local Limits:

Where specific prohibitions or limits on pollutants or pollutant parameters are developed by a POTW in accordance with paragraph © above, such limits shall be deemed Pretreatment Standards for the purposes of §307(d) of the Act.

e. EPA and State Enforcement Actions:

If, within 30 days after notice of an Interference or Pass Through violation has been sent by EPA or DEC to the POTW, and to persons or groups who have requested such notice, the POTW fails to commence appropriate enforcement action to correct the violation, EPA and DEC may take appropriate enforcement action.

Atlantic Richfield Company

William B. Barber
Project Manager

4850 East 49th Street
MBC3-147
Cuyahoga Heights, OH 44125
Phone : 216-271-8038
Fax: 216-271-8937
E-mail: barberwb@bp.com

May 27, 2005

N.Y.S. Department of Environmental Conservation
Division of Water
Bureau of Watershed Compliance Programs
625 Broadway, 4th Floor
Albany, NY 12233

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

JUN - 2 2005

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

Subject: **SPDES Permit #NY 000 1988**
Elm Holdings Inc., Sanborn, NY

Enclosed is the Discharge Monitoring Report for April 1, 2005 through April 30, 2005 for the subject SPDES outfall. There appears to be one biochemical oxygen demand (BOD) value which may have caused the daily average for the month to be above the permitted limit. The investigation of the BOD result for the April 4 sample value indicates that the result is neither accurate nor valid, and therefore does not constitute and exceedence of the permit.

The BOD exceeded the daily average value (5 mg/L), averaging 10.35 mg/L for the month. The daily average BOD for the month was calculated by averaging the BOD result for the sample colleted on April 4, 2005 (18.7 E mg/L) and the detection limit value (2 mg/L) for the April 18, 2005 sample. BOD was not detected in the April 18, 2005 sample.

Although the attached letter from the laboratory states that the results are correct, in the review we conducted we concluded that the April 4 BOD result is neither accurate nor valid based on the history of non-detect results for BOD for this discharge and the subsequent non-detect result for the April 18 sample. This conclusion is also supported by the laboratory QA/QC data (attached) which documents a BOD blank depletion value greater than the maximum allowable value of 0.2 mg/L. The Standard Methods specify that the depletion value must be less than 0.2 mg/L. A copy of the laboratories analytical QA/QC data is attached.

The positive BOD result on April 4 was also flagged by the analytical laboratory with an "E", indicating that the reported value is estimated. The analytical laboratory identified this result as anomalous based on previous BOD analytical results and the subsequent sample collected on April 18, 2005. Two letters from the analytical laboratory describing the laboratory's investigation of the April 4, 2005 BOD sample result are attached. The required Report of Noncompliance Event is attached.

We have discussed this QA/QC issue with laboratory and its procedures used to complete this analytical test. We will direct the laboratory to ensure its analytical procedure is in compliance with the standard method.

The mercury and pH results for April have been evaluated for compliance with quality assurance protocols. The April results were within acceptable limits. The four month evaluation period for the "not acceptable" pH and mercury results found in DMR-QA Study 24 is now complete. The four month evaluation period was carried out to ensure that acceptable, usable results for pH and mercury were being reported. We will return to normal QA/QC protocols for these parameters with the next monthly report.

Please contact the writer if there are any questions.

Sincerely,

William B. Barber
Project Manager

Enclosures
cc: Maurice Moore – NYSDEC (w/encl.)
R. Becken – O&M Enterprises (w/encl.)
K. Scott – Metaullics (w/encl.)
G. Hermance – Parsons (w/encl.)
File 12.30 (w/encl.)

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (If Different)*
NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

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

OMB No. 2040-0004

NY0001988 — PERMIT NUMBER
01A M — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 04 DAY 01 TO YEAR 05 MO 04 DAY 30

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	56.5	58	(15)	0	01/30	GR
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	90 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
FLOW RATE	SAMPLE MEASUREMENT	33,875	38,400	(07)	******	******	******		0	99/99	MS
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	864000 DAILY MX	GPD	******	******	******	**** ****		CONTINUOUS	MEASRD
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	******	******		******	10.35	18.7 E	(19)	1	02/30	24
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	5 DAILY AV	30 DAILY MX	MG/L		THICE/ MONTH	COMP24
PH	SAMPLE MEASUREMENT	******	******		7.99	******	8.18	(12)	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		6 MINIMUM	******	9 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	<4.0	<4.0	(19)	0	02/30	24
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	20 DAILY AV	40 DAILY MX	MG/L		THICE/ MONTH	COMP24
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	<5.0	<5.0	(19)	0	02/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	15 DAILY MX	MG/L		THICE/ MONTH	GRAB
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/30	24
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	60 DAILY MX	UG/L		ONCE/ MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WILLIAM BARBER
PROJ MGR.

TYPED OR PRINTED

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
216	271-8038	2005	05	27

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME ELM. HOLDINGS, INC C/O BP AMOCO

ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079

FACILITY FORMER CARBORUNDUM COMPLEX

LOCATION SANBORN NY 14132

ATTN: WILLIAM BARBER, PROJ MGR

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

OMB No. 2040-0004

NY0001988 — PERMIT NUMBER

01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/30	24
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	190 DAILY MX	UG/L		ONCE/ MONTH	COMP24
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	******	******		******	1.0	1.0	(28)	0	01/30	24
01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		ONCE/ MONTH	COMP24
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	******	******		******	<4.0	<4.0	(28)	0	01/30	24
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	50 DAILY MX	UG/L		ONCE/ MONTH	COMP24
COPPER, DISSOLVED (AS CU)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/30	24
01040 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMP24
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/30	24
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	52 DAILY MX	UG/L		ONCE/ MONTH	COMP24
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	<0.05	<0.05	(19)	0	01/30	24
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	4.6 DAILY MX	MG/L		ONCE/ MONTH	COMP24
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	******	******		******	8.0	8.0	(28)	0	01/30	24
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	50 DAILY MX	UG/L		ONCE/ MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WILLIAM BARBER
PROJ MGR.

TYPED OR PRINTED

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE	NUMBER
216	271-8038

DATE

YEAR	MO	DAY
2005	05	27

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME ELM.HOLDINGS, INC C/O BP AMOCO

ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079

FACILITY FORMER CARBORUNDUM COMPLEX

LOCATION SANBORN NY 14132

ATTN: WILLIAM BARBER, PROJ MGR

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

NY0001988 — PERMIT NUMBER

01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, DISSOLVED (AS ZN)	SAMPLE MEASUREMENT	******	******		******	0.972	0.972	(19)	0	01/30	24
01090 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/ MONTH	COMP-24
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	******	******		******	1.030	1.030	(19)	0	01/30	24
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	5.0 DAILY MX	MG/L		ONCE/ MONTH	COMP-24
1,2-DICHLOROETHANE	SAMPLE MEASUREMENT	******	******		******	<0.85	<0.85	(28)	0	01/07	24
32103 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP-24
CHLOROFORM	SAMPLE MEASUREMENT	******	******		******	<0.89	<0.89	(28)	0	01/07	24
32106 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP-24
METHYLENE CHLORIDE	SAMPLE MEASUREMENT	******	******		******	<3.5	<3.5	(28)	0	01/07	24
34423 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP-24
1,1-DICHLOROETHANE	SAMPLE MEASUREMENT	******	******		******	<0.84	<0.84	(28)	0	01/07	24
34496 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP-24
1,1-DICHLOROETHYLENE	SAMPLE MEASUREMENT	******	******		******	<1.8	<1.8	(28)	0	01/07	24
34501 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP-24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
WILLIAM BARBER PROJ MGR.	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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	216	271-8038	2005	05	27
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

DISCHARGE MONITORING REPORT (DMR)

NY0001988 — PERMIT NUMBER
01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
1,1,1-TRICHLORO-ETHANE	SAMPLE MEASUREMENT	******	******		******	<1.3	<1.3	(28)	0	01/07	24
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
1,2-TRANS-DICHLORO-ETHYLENE	SAMPLE MEASUREMENT	******	******		******	<1.5	<1.5	(28)	0	01/07	24
34546 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
VINYL CHLORIDE	SAMPLE MEASUREMENT	******	******		******	<1.4	<1.4	(28)	0	02/30	24
39175 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		TWICE/MONTH	COMP24
PHENOLS	SAMPLE MEASUREMENT	******	******		******	<8.0	8.0	(28)	0	02/30	24
46000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	8 DAILY MX	UG/L		TWICE/MONTH	COMP24
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	******		******	<0.1	<0.1	(19)	0	01/30	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	0.5 DAILY MX	MG/L		ONCE/MONTH	GRAB
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	******	******		******	<0.2	<0.2	(28)	0	01/30	24
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	0.028 DAILY MX	UG/L		ONCE/MONTH	COMP24
TRICHLOROETHENE	SAMPLE MEASUREMENT	******	******		******	1.825	2.1	(28)	0	01/07	24
78391 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
WILLIAM BARBER
PROJ MGR.
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 216, NUMBER 271-8038

DATE: YEAR 2005, MO 05, DAY 27

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)

NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

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

NY0001988	01A M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	04	30

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE I__I ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
1,2-CIS-DICHLORO-ETHYLENE 81574 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	<1.6	<1.6	(28)	0	01/07	24
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
WILLIAM BARBER
PROJ MGR.
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
216	271-8038	2005	05	27
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

CORRESPONDENCE FROM LABORATORY

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

May 23, 2005

Mr. George Hermance
Parsons
180 Lawrence Bell Drive
Suite 104
Williamsville, NY 14221

MAY 2 4 2005

Re: BP Amoco Site, Sanborn, NY – Biochemical Oxygen Demand Data

Dear Mr. Hermance:

STL Buffalo recently performed a suite of analyses on sample point Outfall 01A collected April 4, 2005 pursuant to the above referenced site's SPDES permit, which included biochemical oxygen demand (BOD).

The BOD concentration for this event was reported as 18.7 mg/L and qualified as estimated with an "E" data flag. BOD analysis was performed using a Labtronics Company auto-analyzer.

Outfall 01A was set-up for BOD testing using a series of three dilutions based upon the sample's historical data – Outfall 01A has historically exhibited BOD concentrations below the method reporting limit of 2.0 mg/L. Each reading for the April 4, 2005 sampling event, however, exhibited a full depletion of oxygen, i.e., all final dissolved oxygen readings (following the 5-day incubation period) were less than 1.0 mg/L. Therefore, final BOD quantitation was based upon the highest dilution (3x) and reported as estimated.

The "E" flag was used as an inorganic qualifier and denotes that the reported concentration is estimated because the value exceeded the upper measurement range of the test. It should be noted that Outfall 01A was analyzed in duplicate and yielded similar results. Also, insufficient sample volume precluded re-analysis.

STL Buffalo has reviewed the data set and all quality assurance measures are compliant including method blanks, glucose-glutamic acid check samples, and seed effect check samples. All data were compliant.

Seed effect check samples were set up in triplicate (in accordance with Buffalo's BOD standard operating procedure) and the average yielded 0.692 mg/L, within the prescribed method range. Each individual seed effect check sample was within laboratory derived statistical acceptance limits.

The oxygen depletion of the dilution water used was 0.76 mg/L as determined by the dissolved oxygen probe of the auto-analyzer. STL Buffalo, however, has performed studies of its dilution water using the Winkler method and all data indicate that Buffalo's water is compliant, i.e., exhibits a dissolved oxygen uptake of less than 0.2 mg/L.

SEVERN TRENT **STL**

The BOD result for the April 4, 2005 sampling event is a historic anomaly. STL Buffalo has performed this analysis over the past year, and all results were at or below the method reporting limit of 2.0 mg/L. All other analytes measured for the April 4, 2004 sampling event yielded data that were within historical limits. Also, it should be noted that although the BOD concentrations and data set are compliant, a visual examination of an alternate sample aliquot indicated the sample was clear with no apparent odor.

George, should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Kenneth E. Kasperek
Technical Director.

10 Hazelwood Drive • Suite 106 • Amherst, NY 14228-2298 • Tel: 716 691 2600 • Fax: 716 691 7991 • FED ID 23-2919996
Remit to: W-4305 P.O. Box 7777 • Philadelphia, PA 19175-4305

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

May 16, 2005

Mr. George Hermance
Parsons
180 Lawrence Bell Drive
Suite 104
Williamsville, NY 14221

Re: BOD Analysis (Method 405.1)

Dear Mr. Hermance:

This correspondence is submitted in response to recent questions concerning the Biochemical Oxygen Demand results for sample Outfall 01A, which was collected on April 4, 2005 at the former BP Site, located at 2040 Cory Drive, Sanborn, NY. Upon complete review of the data the reported result of 18.71"E" mg/l is correct. All quality indicators for the analytical batch fell within acceptable requirements. It should be noted that a one bottle duplicate analysis was also performed on this sample and the oxygen depletion exhibited by the original analysis was confirmed by the duplicate analysis. The sample container or the sample itself appears to contain biodegradable organics which fed the seed microorganisms and allowed the depletion of available oxygen.

Preparation with additional dilution bottles or even reanalysis was not possible as all available sample volume was exhausted during the original sample analysis.

Included are the historical results from May 2004 to present. It would appear that this result is an anomaly as previous and subsequent analysis has yielded non-detect results with only one result just above the reporting limit of 2.0mg/l. If detections for BOD are encountered in the future you will be notified immediately.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Jeff R. Yohe
Project Administrator
Severn Trent Laboratories

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-4381 A5438101 05/02/2005	A05-3782 A5378201 04/18/2005	A05-3058 A5305801 04/04/2005	A05-2551 A5255101 03/21/2005
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	18.7 E	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-2051 A5205101 03/07/2005	A05-1587 A5158701 02/21/2005	A05-1112 A5111201 02/07/2005	A05-0440 A5044001 01/17/2005
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.2

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-0047 A5004701 01/03/2005	A04-C702 A4C70201 12/20/2004	A04-C165 A4C16501 12/06/2004	A04-A804 A4A80401 11/01/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-A258 A4A25801 10/18/2004	A04-9749 A4974901 10/04/2004	A04-9073 A4907301 09/20/2004	A04-8516 A4851601 09/06/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-7890 A4789001 08/16/2004	A04-7333 A4733301 08/03/2004	A04-6825 A4682501 07/19/2004	A04-6311 A4631101 07/05/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-5667 A4566701 06/14/2004	A04-5157 A4515701 05/31/2004	A04-4633 A4463301 05/17/2004	A04-4126 A4412601 05/03/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

NA = Not Applicable
% D FLG: * - Current Result >= 120% of the Highest Historical Result or <= 80% of the Lowest Historical Result, OR Result of ND is not consistent
NH - Historical Result not found for comparison (run filter for different task or leave task Blank)
NC - Current Result not found for comparison (run filter for an individual parameter)

LABORATORY QA/QC DATA

WET CHEMISTRY BATCH SUMMARY

PARAMETER BOD METHOD 405.1/300 BATCH A5B0X617

COMMENTS	JOB NUMBER
WC Reporting Limit < STL Quant Limit	
WC Historical confirms within Hold Time.	
WC Historical NO confirm & RE outside of HT	
WC Hold Time Exceedance-Dilution required	
WC Hold Time Exceedance-Instrument Failure	
WC Holding Time Exceedance by Date	
WC Holding Time Exceedance by Hours	
WC LCS high recovery, sample ND	
WC MBLK hit but samples > 10X blank value	
WC RPD Exceedance for MS / SD	
WC Spike Failure HIGH MS only	
WC Spike Failure LOW MS only	
WC Spike Failure MS and SD	
WC BOD HT met- Oxygen depleted-RE out HT	3058
WC Carbonate Alkalinity, LCS/MBLK	
WC Reactivity Qualification	
WC TOX Breakthrough- no volume for redo	
WC TOX samples were centrifuged	
Other	

DILUTION CODES	REASON
002	Sample matrix effects
003	Excessive foaming
004	High levels of non-target compounds.
008	High concentration of target analytes
009	Sample turbidity
010	Sample color
011	Insufficient volume for lower dilution
012	Sample viscosity
013	other

ICAL Compliant? (YES) NO NA IF NO, Why? _____
LCS/CCV Compliant? (YES) NO NA IF NO, Why? _____
CCB Compliant? (YES) NO NA IF NO, Why? _____
RPD Compliant? (YES) NO NA IF NO, Why? _____
ERA Compliant? YES NO (NA) IF NO, Why? _____

NUMBER of REANALYSIS FOR THIS BATCH: 1

Analyst KW/ma Date 4/5

Time Critical Batch Review DLE Date 4/6

Secondary Review & Closure DLE Date 4/11/05

000120

Blk 1

STL Buffalo
BOD Documentation
Logbook # A04-8-10

Batch #	A5B0461D
Analyst	KW
Date & Time run set up	4-5-05 1700
Initial DO Air Calibration	21.0° → 8.74 (995.751)/760
Date & Time of read	4/10/05 800
Final DO Air Calibration	19.5 → 9.04 (1000)
pH check of samples (6.5-7.5)	✓
Residual Chlorine check of samples	✓
Temperature Check of samples (20+/- 3°C)	✓
Temperature Check of Dilution Water (20+/- 3°C)	✓
Solutions	CHA-84-E CHA-90-C CHA-66-A
Comments	

Sample ID	PreDilution F	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD		
303305.00	1	200.00	4.00		7.60	7.00	<2.00	<1.96		v1dms
303305.00	1	100.00	4.00		8.07	7.16	<2.00	<3.92		v1dms
303306.00	1	298.00	4.00		8.44	7.40	<2.00	<1.32	<1.32	1dms
303306.00	1	200.00	4.00		8.43	7.41	<2.00	<1.96	ND	v1dms
303306.00	1	100.00	4.00		8.43	7.34	<2.00	<3.92		v1dms
303307.00	1	298.00	4.00		8.35	7.56	<2.00	<1.32	<1.32	1dms
303307.00	1	200.00	4.00		8.36	7.63	<2.00	<1.96	ND	v1dms
303307.00	1	100.00	4.00		8.40	7.50	<2.00	<3.92		v1dms
303308.00	1	298.00	4.00		8.26	7.66	<2.00	<1.32	<1.32	1dms
303308.00	1	200.00	4.00		8.43	7.58	<2.00	<1.96	ND	v1dms
303308.00	1	100.00	4.00		8.39	7.58	<2.00	<3.92		v1dms
303309.00	1	298.00	4.00		8.44	7.40	<2.00	<1.32	<1.32	1dms
303309.00	1	200.00	4.00		8.47	7.52	<2.00	<1.96	ND	v1dms
303309.00	1	100.00	4.00		8.47	7.22	<2.00	<3.92		v1dms
303310.00	1	298.00	4.00		8.06	7.10	<2.00	<1.32	<1.32	1dms
303310.00	1	200.00	4.00		8.16	7.33	<2.00	<1.96	ND	v1dms
303310.00	1	100.00	4.00		8.34	7.49	<2.00	<3.92		v1dms
CCV	1	6.00	4.00		8.42	3.62	4.80	205.40	191.30	dms
CCB	1	298.00			8.47	7.80	<2.00	<2.01	<2.01	1dm
303311.00	1	298.00	4.00		6.29	3.97	2.32	1.64	~~1.96~~ ND	vidms
303311.00	1	200.00	4.00		6.96	5.01	<2.00	<1.96		1dms
303311.00	1	100.00	4.00		7.61	6.30	<2.00	<3.92		v1dms
303312.00	1	298.00	4.00		7.79	7.39	<2.00	<1.32	<1.32	1dms
303312.00	1	200.00	4.00		8.04	7.53	<2.00	<1.96	ND	v1dms
303312.00	1	100.00	4.00		8.22	7.59	<2.00	<3.92		v1dms

GGA CCV CHECK STD

Dilution water Check

Sample ID	PreDilution f	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD		
303319.00	1	200.00	4.00		7.79	7.23	<2.00	<1.96		1dms
303319.00	1	100.00	4.00		8.17	6.94	<2.00	<3.92		v1dms
303320.00	1	298.00	4.00		7.61	7.07	<2.00	<1.32	<1.32	1dms
303320.00	1	200.00	4.00		7.82	6.87	<2.00	<1.96	ND	v1dms
303320.00	1	100.00	4.00		8.21	7.33	<2.00	<3.92		v1dms
303321.00	1	298.00	4.00		7.62	7.20	<2.00	<1.32	<1.32	1dms
303321.00	1	200.00	4.00		7.88	7.34	<2.00	<1.96	ND	v1dms
303321.00	1	100.00	4.00		8.16	7.44	<2.00	<3.92		v1dms
303322.00	1	298.00	4.00		7.80	7.27	<2.00	<1.32	<1.32	1dms
303322.00	1	200.00	4.00		7.98	7.45	<2.00	<1.96	ND	v1dms
303322.00	1	100.00	4.00		8.37	7.41	<2.00	<3.92		v1dms
303323.00	1	298.00	4.00		7.86	6.15	<2.00	<1.32	<1.32	1dms
303323.00	1	200.00	4.00		8.02	6.71	<2.00	<1.96	ND	v1dms
303323.00	1	100.00	4.00		8.18	7.12	<2.00	<3.92		v1dms
303324.00	1	298.00	4.00		6.82	5.98	<2.00	<1.32	1.96	v1tdms
303324.00	1	200.00	4.00		7.39	6.46	<2.00	<1.96	ND	1dms
303324.00	1	100.00	4.00		7.89	6.98	<2.00	<3.92		v1dms
303325.00	1	298.00	4.00		7.98	7.47	<2.00	<1.32	1.96	v1tdms
303325.00	1	200.00	4.00		8.01	7.38	<2.00	<1.96	ND	1dms
303325.00	1	100.00	4.00		8.20	7.48	<2.00	<3.92		v1dms
304701.00	1	298.00	4.00		7.76	7.18	<2.00	<1.32	1.96	v1tdms
304701.00	1	200.00	4.00		7.90	6.71	<2.00	<1.96	ND	1dms
304701.00	1	100.00	4.00		8.10	7.37	<2.00	<3.92		v1dms
304701.00	1	50.00	4.00		8.24	7.44	<2.00	<7.85		v1dms
304701.00	1	25.00	4.00		8.41	7.59	<2.00	<15.70		v1dms

Sample ID	PreDilution I	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD		
304706.00	1	50.00	4.00		8.26	6.81	<2.00	<7.85		v1dms
304706.00	1	25.00	4.00		8.27	7.06	<2.00	<15.70		v1dms
304707.00	1	298.00	4.00		8.48	7.77	<2.00	<1.32	<1.32	1dms
304707.00	1	200.00	4.00		8.35	7.55	<2.00	<1.96	ND	v1dms
304707.00	1	100.00	4.00		8.30	7.48	<2.00	<3.92		v1dms
304707.00	1	50.00	4.00		8.35	7.49	<2.00	<7.85		v1dms
304707.00	1	25.00	4.00		8.27	7.55	<2.00	<15.70		v1dms
305801.00	1	298.00	4.00		7.09	<1.00	6.09	>5.43	>18.71	v2dms
305801.00	1	200.00	4.00		7.41	<1.00	6.41	>8.58		v2dms
305801.00	1	100.00	4.00		7.93	<1.00	6.93	>18.71	RPD = 2.75	2dms
305801DUP	1	200.00	4.00		7.57	<1.00	6.57	>8.82	>8.82	2dms
8014SPK@198F	5	50.00	4.00		8.15	<1.00	7.15	>193.74	258.84	v2dms
8014SPK@198F	5	25.00	4.00		8.30	3.90	4.40	222.48		dms
8014SPK@198F	5	10.00	4.00		8.40	5.74	2.66	295.20		dms
305101.00	1	298.00	4.00		8.67	7.58	<2.00	<1.32	<1.32	1dms
305101.00	1	200.00	4.00		8.66	7.39	<2.00	<1.96	ND	v1dms
305101.00	1	100.00	4.00		8.55	7.46	<2.00	<3.92		v1dms
305301.00	5	200.00	4.00		6.11	<1.00	5.11	>33.14	159.36	v2dms
305301.00	5	100.00	4.00		7.26	<1.00	6.26	>83.52	318.7	v2dms
305301.00	5	50.00	4.00		7.92	3.14	4.78	122.64		dms
305301.00	5	25.00	4.00		8.43	4.47	3.96	196.08		dms
305301.00	5	10.00	4.00		8.38	8.75	<2.00	<196.20		v1dms
305301.00	5	5.00	4.00		8.28	6.86	<2.00	<392.40		v1dms
305302.00	1	298.00	4.00		8.32	1.02	7.30	6.65	8.71	dms
305302.00	1	200.00	4.00		8.33	1.47	6.86	9.25		dms

18.71E

BOD Magic
Detail Report

Comments: A5B04617

Initial Reading: 2005/4/5 Operator: KW
Final Reading:

Sample ID	PreDilution f	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD	
RINSE	1	298.00			8.35				d
RINSE	1	298.00			8.55				d
BlankCheck	1	298.00			8.56				nd
BlankCheck	1	298.00			8.56				nd
Seed	1		20.00		8.37				eds
Seed	1		20.00		8.40				eds
Seed	1		20.00		8.39				eds
Check	1	6.00	4.00		8.44				cds
Check Dup	1	6.00	4.00		8.39				ds
303301.00	1	298.00	4.00		8.60				ds
303301.00	1	200.00	4.00		8.50				ds
303301.00	1	100.00	4.00		8.44				ds
303302.00	1	298.00	4.00		7.55				ds
303302.00	1	200.00	4.00		7.85				ds
303302.00	1	100.00	4.00		8.23				ds
303303.00	1	298.00	4.00		7.77				ds
303303.00	1	200.00	4.00		8.02				ds
303303.00	1	100.00	4.00		8.19				ds
303304.00	1	298.00	4.00		7.25				ds
303304.00	1	200.00	4.00		7.67				ds
303304.00	1	100.00	4.00		8.10				ds
303305.00	1	298.00	4.00		7.33				ds

Sample ID	PreDilution f	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD	
303313.00	1	298.00	4.00		8.48				ds
303313.00	1	200.00	4.00		8.40				ds
303313.00	1	100.00	4.00		8.40				ds
303314.00	1	298.00	4.00		7.81				tds
303314.00	1	200.00	4.00		7.97				ds
303314.00	1	100.00	4.00		8.18				ds
303315.00	1	298.00	4.00		7.93				tds
303315.00	1	200.00	4.00		8.03				ds
303315.00	1	100.00	4.00		8.39				ds
303316.00	1	298.00	4.00		8.81				tds
303316.00	1	200.00	4.00		8.63				ds
303316.00	1	100.00	4.00		8.53				ds
303317.00	1	298.00	4.00		8.44				ds
303317.00	1	200.00	4.00		8.49				ds
303317.00	1	100.00	4.00		8.38				ds
303318.00	1	298.00	4.00		7.30				ds
303318.00	1	200.00	4.00		7.65				ds
303318.00	1	100.00	4.00		8.05				ds
303318DUP	1	200.00	4.00		8.14				ds
3318SPK@198P	5	50.00	4.00		8.28				ds
3318SPK@198P	5	25.00	4.00		8.32				ds
3318SPK@198P	5	10.00	4.00		8.35				ds
CCV	1	6.00	4.00		8.39				ds
CCB	1	298.00			8.44				d
303319.00	1	298.00	4.00		7.45				tds

Sample ID	PreDilution F	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD	
304702.00	1	298.00	4.00		7.29				ds
304702.00	1	200.00	4.00		7.67				ds
304702.00	1	100.00	4.00		8.03				ds
304702.00	1	50.00	4.00		8.22				ds
304702.00	1	25.00	4.00		8.32				ds
304703.00	1	298.00	4.00		7.68				ds
304703.00	1	200.00	4.00		7.91				ds
304703.00	1	100.00	4.00		8.19				ds
304703.00	1	50.00	4.00		8.31				ds
304703.00	1	25.00	4.00		8.40				ds
CCV	1	6.00	4.00		8.37				ds
CCB	1	298.00			8.38				d
304704.00	1	298.00	4.00		7.37				ds
304704.00	1	200.00	4.00		7.67				ds
304704.00	1	100.00	4.00		7.99				ds
304704.00	1	50.00	4.00		8.14				ds
304704.00	1	25.00	4.00		8.22				ds
304705.00	1	298.00	4.00		7.72				ds
304705.00	1	200.00	4.00		7.92				ds
304705.00	1	100.00	4.00		8.13				ds
304705.00	1	50.00	4.00		8.22				ds
304705.00	1	25.00	4.00		8.31				ds
304706.00	1	298.00	4.00		7.62				ds
304706.00	1	200.00	4.00		7.76				ds
304706.00	1	100.00	4.00		8.10				ds

Sample ID	PreDilution f	Vol mL	Seed mL	Spike mL	Initial DO	Final DO	Depletion	BOD	
305302.00	1	100.00	4.00		8.34				ds
CCV	1	6.00	4.00		8.31				ds
CCB	1	298.00			8.35				d
303501.00	1	298.00	4.00		8.56				ds
303501.00	1	200.00	4.00		8.47				ds
303501.00	1	100.00	4.00		8.36				ds
303801.00	1	298.00	4.00		7.52				ds
303801.00	1	200.00	4.00		7.77				ds
303801.00	1	100.00	4.00		8.02				ds
303801.00	1	50.00	4.00		8.17				ds
303801.00	1	25.00	4.00		8.21				ds
303801.00	1	10.00	4.00		8.42				ds
303801.00	1	5.00	4.00		8.24				ds
303901.00	1	298.00	4.00		6.91				ds
303901.00	1	200.00	4.00		7.47				ds
303901.00	1	100.00	4.00		7.96				ds
303901.00	1	50.00	4.00		8.18				ds
303901.00	1	25.00	4.00		8.22				ds
303901.00	1	10.00	4.00		8.28				ds
303901.00	1	5.00	4.00		8.28				ds
CCV	1	6.00	4.00		8.34				ds
CCB	1	298.00			8.38				d

Wet Chemistry Batching Run Log
A5B04617 - BOD 04-05-05
BOD

Job No.	Lab Sample ID	Bottle ID	Sample Type	Product Test Abbrev.	Test No	Analysis Date/Time	Analyst	Dilution	Raw Result	Final Result	Flags
A05-3033	A5303325	A	FB	BOD	CTA10778	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3035	A5303501	A	FS	BOD/300	CTA05230	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3038	A5303801	A	FS	BOD	ST000430	04/05/05 17:00	KW	1.00	32.45	32.4	
A05-3039	A5303901	A	FS	BOD	ST000430	04/05/05 17:00	KW	1.00	65	65.0	
A05-3047	A5304701	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304702	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304703	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304704	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304705	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304706	A	FS	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3047	A5304707	A	EB	BOD	CTA19852	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3051	A5305101	A	FS	BOD/300	CTA05507	04/05/05 17:00	KW	1.00	0	2.0	U
A05-3053	A5305301	A	FS	BOD/300	CTA08201	04/05/05 17:00	KW	5.00	31.87	159	
A05-3053	A5305302	A	FS	BOD/300	CTA08201	04/05/05 17:00	KW	1.00	8.71	8.7	
A05-3058	A5305801	M	FS	BOD	ST000430	04/05/05 17:00	KW	1.00	18.71	18.7	E
A05-3058	A5305801MS	A	MS	BOD	ST000430	04/05/05 17:00	KW	1.00	258.84	259	
A5B04617	A5B0461701		LCS	BOD/300	CTA05230	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461701		LCS	BOD/300	CTA05507	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461701		LCS	BOD/300	CTA08201	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461701		LCS	BOD	CTA10778	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461701		LCS	BOD	CTA19852	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461701		LCS	BOD	ST000430	04/05/05 17:00	KW	1.00	204.65	205	
A5B04617	A5B0461702		MBLK	BOD/300	CTA05230	04/05/05 17:00	KW	1.00	0	2.0	U
A5B04617	A5B0461702		MBLK	BOD/300	CTA05507	04/05/05 17:00	KW	1.00	0	2.0	U
A5B04617	A5B0461702		MBLK	BOD/300	CTA08201	04/05/05 17:00	KW	1.00	0	2.0	U

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AIMS DATA VALIDATION TESTS

Run Date: 04/10/2005
by: ROLONM

Validation Filter:
Batch: A5B04617
Fraction(s): WC

****

Out-of-Sequence Sample and Received Date/Time : No exceptions found

Out-of-Sequence S/R and Prep Date/Time : No exceptions found

Out-of-Sequence S/R and TCLP Date/time : No exceptions found

Out-of-Sequence S/R and Analysis Date/Time : No exceptions found

Out-of-Sequence Prep and TCLP Date/time : No exceptions found

Out-of-Sequence Prep and Analysis Date/Time : No exceptions found

Out-of-Sequence TCLP and Analysis Date/Time : No exceptions found

Date Entered Exceeds Current Date : No exceptions found

Missed Analysis Holding Times : No exceptions found

Missed Prep Holding Times : No exceptions found

Missed TCLP Holding Times : No exceptions found

Analysis Dates Not Entered : No exceptions found

Calculation Dates Not Set : No exceptions found

Invalid Calculation Date : No exceptions found

Sample/Tests with No Results : No exceptions found

****

Sample Weights and Volumes Not Entered : Exception list

Job	Lab Sample	Test	Wt/Vol	Product Abbr
A05-3033	A5303301	CTA10778	0.0000	BOD
A05-3033	A5303302	CTA10778	0.0000	BOD
A05-3033	A5303303	CTA10778	0.0000	BOD
A05-3033	A5303304	CTA10778	0.0000	BOD
A05-3033	A5303305	CTA10778	0.0000	BOD
A05-3033	A5303306	CTA10778	0.0000	BOD
A05-3033	A5303307	CTA10778	0.0000	BOD
A05-3033	A5303308	CTA10778	0.0000	BOD
A05-3033	A5303309	CTA10778	0.0000	BOD
A05-3033	A5303310	CTA10778	0.0000	BOD
A05-3033	A5303311	CTA10778	0.0000	BOD
A05-3033	A5303312	CTA10778	0.0000	BOD
A05-3033	A5303313	CTA10778	0.0000	BOD
A05-3033	A5303314	CTA10778	0.0000	BOD
A05-3033	A5303315	CTA10778	0.0000	BOD

N/A

A05-3033	A5303316	CTA10778	0.0000	BOD
A05-3033	A5303317	CTA10778	0.0000	BOD
A05-3033	A5303318	CTA10778	0.0000	BOD
A05-3033	A5303318MS	CTA10778	0.0000	BOD
A05-3033	A5303319	CTA10778	0.0000	BOD
A05-3033	A5303320	CTA10778	0.0000	BOD
A05-3033	A5303321	CTA10778	0.0000	BOD
A05-3033	A5303322	CTA10778	0.0000	BOD
A05-3033	A5303323	CTA10778	0.0000	BOD
A05-3033	A5303324	CTA10778	0.0000	BOD
A05-3033	A5303325	CTA10778	0.0000	BOD
A05-3038	A5303801	ST000430	0.0000	BOD
A05-3039	A5303901	ST000430	0.0000	BOD
A05-3047	A5304701	CTA19852	0.0000	BOD
A05-3047	A5304702	CTA19852	0.0000	BOD
A05-3047	A5304703	CTA19852	0.0000	BOD
A05-3047	A5304704	CTA19852	0.0000	BOD
A05-3047	A5304705	CTA19852	0.0000	BOD
A05-3047	A5304706	CTA19852	0.0000	BOD
A05-3047	A5304707	CTA19852	0.0000	BOD
A05-3058	A5305801	ST000430	0.0000	BOD
A05-3058	A5305801MS	ST000430	0.0000	BOD
A5B04617	A5B0461701	CTA10778	0.0000	BOD
A5B04617	A5B0461701	CTA19852	0.0000	BOD
A5B04617	A5B0461701	ST000430	0.0000	BOD
A5B04617	A5B0461702	CTA10778	0.0000	BOD
A5B04617	A5B0461702	CTA19852	0.0000	BOD
A5B04617	A5B0461702	ST000430	0.0000	BOD
A05-3035	A5303501	CTA05230	0.0000	BOD/300
A05-3051	A5305101	CTA05507	0.0000	BOD/300
A05-3053	A5305301	CTA08201	0.0000	BOD/300
A05-3053	A5305302	CTA08201	0.0000	BOD/300
A5B04617	A5B0461701	CTA05230	0.0000	BOD/300
A5B04617	A5B0461701	CTA05507	0.0000	BOD/300
A5B04617	A5B0461701	CTA08201	0.0000	BOD/300
A5B04617	A5B0461702	CTA05230	0.0000	BOD/300
A5B04617	A5B0461702	CTA05507	0.0000	BOD/300
A5B04617	A5B0461702	CTA08201	0.0000	BOD/300

N/A

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% Dry Weights Not Entered : No exceptions found

pH Not Entered : No exceptions found

Missing TIC Results : No exceptions found

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Tests Not Closed : Exception list

Job	Lab Sample	Test	Test Status	Sample Type	Analysis Date
A05-3033	A5303301	CTA10778	O	FS	04/05/2005
A05-3033	A5303302	CTA10778	O	FS	04/05/2005
A05-3033	A5303303	CTA10778	O	FS	04/05/2005
A05-3033	A5303304	CTA10778	O	FS	04/05/2005
A05-3033	A5303305	CTA10778	O	FS	04/05/2005
A05-3033	A5303306	CTA10778	O	FS	04/05/2005
A05-3033	A5303307	CTA10778	O	FS	04/05/2005
A05-3033	A5303308	CTA10778	O	FS	04/05/2005
A05-3033	A5303309	CTA10778	O	FS	04/05/2005
A05-3033	A5303310	CTA10778	O	FS	04/05/2005
A05-3033	A5303311	CTA10778	O	FS	04/05/2005
A05-3033	A5303312	CTA10778	O	FS	04/05/2005
A05-3033	A5303313	CTA10778	O	FS	04/05/2005
A05-3033	A5303314	CTA10778	O	FS	04/05/2005

MS Standard Calibration Date/Time Not Set : No exceptions found

MS Standard Calculation Date Not Set : No exceptions found

MS Invalid Calculation Date : No exceptions found

MS Anal Date/Time Exceeds 12hrs after Calibration : No exceptions found

MS RRF out of QC Limits : No exceptions found

MS % RSD out of QC Limits : No exceptions found

MS % Difference out of QC Limits : No exceptions found

MS Test Params with missing Lv3/Lv4 Std. Params : No exceptions found

MS Standards Not Closed : No exceptions found

MS Tune Not Linked for Standard : No exceptions found

MS Tune Calculation Date/Time Not Set : No exceptions found

MS Tune Not Closed : No exceptions found

MS Tune Invalid Calculation Date : No exceptions found

MS Tune Injection Date/Time Not Set : No exceptions found

MS Tune Error : No exceptions found

MS Tune Heated Purge Not Matching its Standard : No exceptions found

MS Analysis Date/Time Exceeds 12hrs after Tune : No exceptions found

MS Calibration exceeds 12 hrs after Tune : No exceptions found

MS Tune/Std/Analysis Date-Time out of Sequence : No exceptions found

Sample/Test and Method Blank Matching Prep Batch : No exceptions found

Sample/Test and Method Blank Matching Anal Batch : No exceptions found

GC Sample/Test with No Standard : No exceptions found

GC Continuing Std with Missing or Invalid Initial : No exceptions found

GC Standard Calibration Date/Time Not Set : No exceptions found

GC Standard Calculation Date Not Set : No exceptions found

GC Invalid Calculation Date : No exceptions found

GC Correlation Coefficient out of QC Limits : No exceptions found

GC % RSD out of QC Limits : No exceptions found

GC % Difference out of QC Limits : No exceptions found

GC missing Ref ICC point : No exceptions found

GC Test Params with missing Lv3/Lv4 Std. Params : No exceptions found

GC Standards Not Closed : No exceptions found

AFCEE Contact found, all AFCEE tests will be run

Sample/Tests with No Sample Time : Exception list

Job	Lab Sample	Test	Samp Date	SampTime	Fraction	C
A5B04617	A5B0461701	CTA05230	/ /		WC	
A5B04617	A5B0461702	CTA05230	/ /		WC	
A5B04617	A5B0461701	CTA05507	/ /		WC	
A5B04617	A5B0461702	CTA05507	/ /		WC	
A5B04617	A5B0461701	CTA08201	/ /		WC	
A5B04617	A5B0461702	CTA08201	/ /		WC	
A5B04617	A5B0461701	CTA10778	/ /		WC	
A5B04617	A5B0461702	CTA10778	/ /		WC	
A5B04617	A5B0461701	CTA19852	/ /		WC	
A5B04617	A5B0461702	CTA19852	/ /		WC	
A5B04617	A5B0461701	ST000430	/ /		WC	
A5B04617	A5B0461702	ST000430	/ /		WC	

Sample/Tests with No Received Time : Exception list

Job	Lab Sample	Test	Recd Date	RecdTime	Fraction	C
A5B04617	A5B0461701	CTA05230	/ /		WC	
A5B04617	A5B0461702	CTA05230	/ /		WC	
A5B04617	A5B0461701	CTA05507	/ /		WC	
A5B04617	A5B0461702	CTA05507	/ /		WC	
A5B04617	A5B0461701	CTA08201	/ /		WC	
A5B04617	A5B0461702	CTA08201	/ /		WC	
A5B04617	A5B0461701	CTA10778	/ /		WC	
A5B04617	A5B0461702	CTA10778	/ /		WC	
A5B04617	A5B0461701	CTA19852	/ /		WC	
A5B04617	A5B0461702	CTA19852	/ /		WC	
A5B04617	A5B0461701	ST000430	/ /		WC	
A5B04617	A5B0461702	ST000430	/ /		WC	

Sample/Tests with No Prep Time : No exceptions found

Sample/Tests with No Analysis Time : No exceptions found

Sample/Tests with No Analysis Batch Assigned : No exceptions found

Sample/Tests Assigned Batches with Missing Master : No exceptions found

Batches Not Closed : Exception list

Batch	Type	Status	Analyst	Start Date	End Date
A5B04617 WC	O		KW	04/05/2005	04/05/2005

Sample/Tests with No Prep Batch Assigned : No exceptions found

Sample/Tests with No Prep Batch Details : No exceptions found

Sample/Tests with No Organic Prep Details : No exceptions found

Sample/Tests with No Analysis Batch Details : No exceptions found

Sample/Tests with No Analysis Metals Batch Results: Test not run

Matrix Spike Amt Added <> MS Duplicate Amt Added : No exceptions found

Date: 04/05/2005
Time: 18:50:17

BOD SCHEDULING BY HOLDING TIME WITH FOUR ESTIMATED CONCENTRATIONS
ASRF Date 04/04/2005 - 04/05/2005

Rept: AN1416R
Page: 1

Jobno	Client Name	Lab Smp ID	Client Sample ID	Sample Matrix	Last Four Estimated Concentrations				Unit of Measure	Limit Val	Protcl	Method	M X	Sample Date	Sample Time	Recv Date	Anal HT Lab Exp D	Anal HT Lab Due	Jb TA
A05-3033	Allied Waste	A5303301	FIELD DUPLICATE	GW	ND	ND	ND		MG/L	2.0000	MCAWW	405.1	W	04/04	12:05	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303302	MW-10	GW	ND	ND	ND	5.3	MG/L	2.0000	MCAWW	405.1	W	04/04	08:00	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303303	MW-10D	GW	ND	ND	ND	4.3	MG/L	2.0000	MCAWW	405.1	W	04/04	08:25	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303304	MW-11D	GW	ND	ND	ND	3.9	MG/L	2.0000	MCAWW	405.1	W	04/04	09:10	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303305	MW-11S	GW	ND	ND	ND	4.6	MG/L	2.0000	MCAWW	405.1	W	04/04	08:45	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303306	MW-13D	GW	2.1	ND	ND	6.7	MG/L	2.0000	MCAWW	405.1	W	04/04	09:45	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303307	MW-13S	GW	ND	ND	ND	4.4	MG/L	2.0000	MCAWW	405.1	W	04/04	09:15	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303308	MW-14D	GW	ND	ND	ND	2.2	MG/L	2.0000	MCAWW	405.1	W	04/04	12:55	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303309	MW-14S	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	12:40	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303310	MW-1D	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	10:20	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303311	MW-1S	GW	2.8	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	09:40	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303312	MW-2	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	08:25	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303313	MW-3A	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	14:20	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303314	MW-4D	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	12:05	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303315	MW-4S	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	11:35	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303316	MW-5	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	15:10	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303317	MW-6	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	13:10	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303318	MW-7D	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	13:40	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303319	MW-7S	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	13:35	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303320	MW-8	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	13:45	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303321	MW-9D	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	14:40	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303322	MW-9S	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	14:15	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303323	MW-CB1D	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	12:05	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303324	MW-TWA	GW	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	10:45	04/05	04/06	04/18	21
A05-3033	Allied Waste	A5303325	FIELD BLANK	WATER	ND				MG/L	2.0000	MCAWW	405.1	W	04/04	07:45	04/05	04/06	04/18	21
A05-3038	Waste Managem	A5303801	LEACH GRAB 3↓5	LEACH	80.7	9.1	70.0	16.3	MG/L	2.0000	MCAWW	405.1	W	04/04	14:43	04/05	04/06	04/15	14
A05-3039	Waste Managem	A5303901	Leachate 3↓5	LEACH	26.6	32.0	35.1	19.8	MG/L	2.0000	MCAWW	405.1	W	04/04	13:50	04/05	04/06	04/15	14
A05-3047	F P M Enginee	A5304701	LF1M1413FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	10:21	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304702	LF1P0213FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	15:31	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304703	LF1P0317FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	11:57	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304704	MWSAR0324FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	11:20	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304705	LF1M1030FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	12:20	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304706	LF1M01R11FA	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	10:20	04/05	04/06	04/18	21
A05-3047	F P M Enginee	A5304707	040405FE	WATER			-		MG/L	2.0000	MCAWW	405.1-A98	W	04/04	08:15	04/05	04/06	04/18	21
A05-3051	Waste Managem	A5305101	SMP06 3↓5	WATER	ND	ND	2.3	ND	MG/L	2.0000	MCAWW	405.1/300	W	04/04	09:23	04/05	04/06	04/15	14
A05-3053	Waste Managem	A5305301	LST01 3↓5	LEACH	171	163	216	56.3	MG/L	2.0000	MCAWW	405.1/300	W	04/04	11:20	04/05	04/06	04/18	21
A05-3053	Waste Managem	A5305302	LST03 3↓5	LEACH	3.7	3.6	5.7	6.7	MG/L	2.0000	MCAWW	405.1/300	W	04/04	11:40	04/05	04/06	04/18	21
A05-3058	B P Amoco	A5305801	OUTFALL 01A 3↓5	WATER	ND	ND	ND	ND	MG/L	2.0000	MCAWW	405.1	W	04/04	08:00	04/05	04/06	04/13	10
A05-3035	Waste Managem	A5303501	S0-1	SW	8.8	ND	ND	4.4	MG/L	2.0000	MCAWW	405.1/300	W	04/05	10:20	04/05	04/07	04/15	14

R - Re-analysis

REPORT OF NONCOMPLIANCE EVENT

Appendix B

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

To: DEC Water Contact _____ *DEC Region:* 9

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

SECTION 2

PDES #: NY- 0001988 Facility: Former Carborundum Complex

ate of noncompliance: 04 / 04/05 Location (Outfall, Treatment Unit, or Pump Station): Outfall 01A

escription of noncompliance(s) and cause(s): BOD analytical result for sample taken on April 4, 2005 was 18.7 E which is an estimate. BOD analytical result for sample taken on April 18 was nondetect or < 20 mg/l so the average daily result for the month of April would be 10.35 mg/l

as event caused? (Yes) (No) If so, when? _____ Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

tart date, time of event: 04/04/05, 0800 (AM) (PM) End date, time of event: 04/18/05, 08:00 (AM) (PM)

ate, time oral notification made to DEC? 05/13/05, 11:00 (AM) (PM) DEC Official contacted: Robert Ledey

mmediate corrective actions: A letter describing the estimated value is attached to this report. This letter will be attached to the DMR. Historically the BOD results are non-detect.

evantive (long term) corrective actions: * under investigation; Parsons will continue to investigate the causes of this exceedence. Details will be reported in correspondance attached to the DMR for the April Reporting period.

SECTION 3

omplete this section if event was a bypass:

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

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

escribe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: Richard C. Baker Title: Plant Operator Date: 05/17/05

Phone #: 716 731-5322 Fax #: 716 731-3424

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.

Signature of Principal Executive Officer or Authorized Agent: William B. Barron 5/17/05

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

May 16, 2005

Mr. George Hermance
Parsons
180 Lawrence Bell Drive
Suite 104
Williamsville, NY 14221

Re: BOD Analysis (Method 405.1)

Dear Mr. Hermance:

This correspondence is submitted in response to recent questions concerning the Biochemical Oxygen Demand results for sample Outfall 01A, which was collected on April 4, 2005 at the former BP Site, located at 2040 Cory Drive, Sanborn, NY. Upon complete review of the data the reported result of 18.71"E" mg/l is correct. All quality indicators for the analytical batch fell within acceptable requirements. It should be noted that a one bottle duplicate analysis was also performed on this sample and the oxygen depletion exhibited by the original analysis was confirmed by the duplicate analysis. The sample container or the sample itself appears to contain biodegradable organics which fed the seed microorganisms and allowed the depletion of available oxygen.

Preparation with additional dilution bottles or even reanalysis was not possible as all available sample volume was exhausted during the original sample analysis.

Included are the historical results from May 2004 to present. It would appear that this result is an anomaly as previous and subsequent analysis has yielded non-detect results with only one result just above the reporting limit of 2.0mg/l. If detections for BOD are encountered in the future you will be notified immediately.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Jeff R. Yohe
Project Administrator
Severn Trent Laboratories

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-4381 A5438101 05/02/2005	A05-3782 A5378201 04/18/2005	A05-3058 A5305801 04/04/2005	A05-2551 A5255101 03/21/2005
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	18.7 E	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-2051 A5205101 03/07/2005	A05-1587 A5158701 02/21/2005	A05-1112 A5111201 02/07/2005	A05-0440 A5044001 01/17/2005
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.2

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A05-0047 A5004701 01/03/2005	A04-C702 A4C70201 12/20/2004	A04-C165 A4C16501 12/06/2004	A04-A804 A4A80401 11/01/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-A258 A4A25801 10/18/2004	A04-9749 A4974901 10/04/2004	A04-9073 A4907301 09/20/2004	A04-8516 A4851601 09/06/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-7890 A4789001 08/16/2004	A04-7333 A4733301 08/03/2004	A04-6825 A4682501 07/19/2004	A04-6311 A4631101 07/05/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

Client Sample ID: OUTFALL 01A

Job Number & Lab Sample ID: / Sample Date:			A04-5667 A4566701 06/14/2004	A04-5157 A4515701 05/31/2004	A04-4633 A4463301 05/17/2004	A04-4126 A4412601 05/03/2004
Analyte	% D FLG	Units of Measure	Result	Result	Result	Result
Biochemical Oxygen Demand		MG/L	2.0 U	2.0 U	2.0 U	2.0 U

NA = Not Applicable
% D FLG: * - Current Result >= 120% of the Highest Historical Result or <= 80% of the Lowest Historical Result, OR Result of ND is not consistent
NH - Historical Result not found for comparison (run filter for different task or leave task Blank)
NC - Current Result not found for comparison (run filter for an individual parameter)

Atlantic Richfield Company

441563 # 14B

William B. Barber
Project Manager

4850 East 49th Street
MBC3-147
Cuyahoga Heights, OH 44125
Phone : 216-271-8038
Fax: 216-271-8937
E-mail: barberwb@bp.com

August 24, 2005

N.Y.S. Department of Environmental Conservation
Division of Water
Bureau of Watershed Compliance Programs
625 Broadway, 4th Floor
Albany, NY 12233

N.Y.S. 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: **SPDES Permit #NY 000 1988**
Elm Holdings Inc., Sanborn, NY

Enclosed is the Discharge Monitoring Report for July 1, 2005 through July 31, 2005 for the subject SPDES outfall. Methylene chloride was potentially above the permitted daily maximum value (10 ug/L) with a non-detect (ND) result reported as less than 14 ug/L. The investigation of the methylene chloride result for the July 18, 2005 sample revealed that the sample was diluted by a factor of four. The dilution resulted in an increase of the laboratory reporting limit for methylene chloride to levels above the permitted limit. The 4X dilution of the sample increased the reporting limit to from 3.5 ug/L (undiluted) to 14 ug/L. A letter from the analytical laboratory describing the laboratory's original analysis and the reanalysis is attached.

As part of our investigation the remaining sample volume was analyzed. Although outside of holding time the remaining sample volume has been analyzed with a 2X dilution. The results of this analysis with a 2X dilution were non-detect (ND) at a reporting limit of 7 ug/L. Historical concentrations of methylene chloride were also reviewed. April 2003 was the most recent event in which methylene chloride exceeded permit limits. This exceedence was attributed to laboratory cross contamination. The few historical occurrences of methylene chloride exceedences in relation to this permit have been attributed to laboratory contamination.

The review of historical data, results from the reanalysis of the July 18 sample, and non-detect results at the 3.5 ug/L reporting limit for the subsequent July 25, August 2, and August 8, 2005 SPDES sampling events suggest that methylene chloride did not exceed the permitted limit during July. Rather, the elevated reporting limits caused by dilution of the sample in the analytical laboratory produced a non-detect result with a reporting limit above 10 ug/L.

To address this potential issue in the future, an alert system has been set up with the laboratory. If the laboratory is required to dilute a sample, the permit holder will be notified, and a determination will be made to resample or complete the analysis at the appropriate level of dilution.

Please contact the writer if there are any questions.

Sincerely,

William B. Barber
Project Manager

Enclosures

cc: Maurice Moore – NYSDEC (w/encl.)
R. Becken – O&M Enterprises (w/encl.)
K. Scott – Metaullics (w/encl.)
G. Hermance – Parsons (w/encl.)
File 12.30 (w/encl.)

SEVERN TRENT STL

August 16, 2005

Mr. George Hermance
Parsons
180 Lawrence Bell Dr. STE 104
Williamsville, NY 14221

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

RE: Method 624 Composite Sample Analysis - BP Site, Sanborn, NY

Dear Mr. Hermance:

STL receives 8 40ml vials from Outfall 01A to be laboratory composited prior to Method 624 analysis. Laboratory personnel combine all sample volume into a volumetric flask, which is stirred briefly and then poured back into the original sample containers with zero headspace. The sample containers are then marked with a "C" indicating that these samples were composited. This procedure is performed carefully and quickly to minimize loss of target compounds. Analysis is then performed on the composite sample volume.

Secondly in regards to recent required dilution levels the laboratory employs the following protocol. The instruments are fitted with an automated foaming detector to ensure instrument integrity, performance and compliance to method criteria. The detector halts analysis if the sample volume causes foaming, the analyst must then use their discretion to determine the lowest practical dilution for the sample. Possible causes of sample foaming are the following: dissolved gases, surfactants, elevated concentrations of target compounds and pressurization due to temperature changes.

Attached is the reanalysis data for Method 624 for the Outfall 01A composite sample collected on July 18 & 19, 2005. Please note that the reanalysis of this sample was performed outside of the method recommended holding time employing a 2X dilution.

To avoid permit compliance issues in the future the following procedures will be immediately implemented:

A comment will be added to the analytical test profile alerting the analyst that if more than a 2X dilution is required they must inform the project manager prior to analysis. This procedure will assist the laboratory in meeting the permit required detection limits.

An alert level report will be automatically generated with and will accompany the hardcopy report. This report will indicate any exceedences with the discharge permit limits for all permitted compounds.

If you have any questions or comments, please feel free to contact me at (716) 691-2600.

Sincerely,
STL Buffalo
Jeff R Yohe
Jeff R. Yohe
Project Administrator
Severn Trent Laboratories

SEVERN TRENT STL

Sample ID: OUTFALL 01A
Lab Sample ID: A5753601RE
Date Collected: 07/18/2005
Time Collected: 08:00

Date Received: 07/19/2005
Project No: NY9A8487.2
Client No: L11203
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
CFR136 624 - OUTFALL 01A WEEKLY VOLATILES							
1,1,1-Trichloroethane	ND		2.6	UG/L	624	08/16/2005 10:23	CDC
1,1-Dichloroethane	ND		1.7	UG/L	624	08/16/2005 10:23	CDC
1,1-Dichloroethene	ND		3.5	UG/L	624	08/16/2005 10:23	CDC
1,2-Dichloroethane	ND		1.7	UG/L	624	08/16/2005 10:23	CDC
Chloroform	ND		1.8	UG/L	624	08/16/2005 10:23	CDC
cis-1,2-Dichloroethene	ND		3.2	UG/L	624	08/16/2005 10:23	CDC
Methylene chloride	ND		7.0	UG/L	624	08/16/2005 10:23	CDC
trans-1,2-Dichloroethene	ND		3.0	UG/L	624	08/16/2005 10:23	CDC
Trichloroethene	ND		2.4	UG/L	624	08/16/2005 10:23	CDC
Vinyl chloride	ND		2.8	UG/L	624	08/16/2005 10:23	CDC

B P Amoco
BP AMOCO ENVIRONMENTAL PROPERTIES
OUTFALL 01A SPDES (WEEKLY VOC's)

SEVERN TRENT STL

Sample ID: OUTFALL 01A
Lab Sample ID: A5753601
Date Collected: 07/18/2005
Time Collected: 08:00

Date Received: 07/19/2005
Project No: NY9A8487.2
Client No: L11203
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
CFR136 624 - OUTFALL 01A WEEKLY VOLATILES							
1,1,1-Trichloroethane	ND		5.2	UG/L	624	07/23/2005 18:35	BJ
1,1-Dichloroethane	ND		3.3	UG/L	624	07/23/2005 18:35	BJ
1,1-Dichloroethene	ND		7.1	UG/L	624	07/23/2005 18:35	BJ
1,2-Dichloroethane	ND		3.4	UG/L	624	07/23/2005 18:35	BJ
Chloroform	ND		3.6	UG/L	624	07/23/2005 18:35	BJ
cis-1,2-Dichloroethene	ND		6.4	UG/L	624	07/23/2005 18:35	BJ
Methylene chloride	ND		14	UG/L	624	07/23/2005 18:35	BJ
trans-1,2-Dichloroethene	ND		6.0	UG/L	624	07/23/2005 18:35	BJ
Trichloroethene	ND		4.8	UG/L	624	07/23/2005 18:35	BJ
Vinyl chloride	ND		5.7	UG/L	624	07/23/2005 18:35	BJ

SEVERN TRENT STL

Sample ID: TRIP BLANK
Lab Sample ID: A5753603
Date Collected: 07/19/2005
Time Collected: :

Date Received: 07/19/2005
Project No: NY9A8487.2
Client No: L11203
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
CFR136 624 - OUTFALL 01A WEEKLY VOLATILES							
1,1,1-Trichloroethane	ND		1.3	UG/L	624	07/23/2005 19:00	BJ
1,1-Dichloroethane	ND		0.84	UG/L	624	07/23/2005 19:00	BJ
1,1-Dichloroethene	ND		1.8	UG/L	624	07/23/2005 19:00	BJ
1,2-Dichloroethane	ND		0.85	UG/L	624	07/23/2005 19:00	BJ
Chloroform	ND		0.89	UG/L	624	07/23/2005 19:00	BJ
cis-1,2-Dichloroethene	ND		1.6	UG/L	624	07/23/2005 19:00	BJ
Methylene chloride	ND		3.5	UG/L	624	07/23/2005 19:00	BJ
trans-1,2-Dichloroethene	ND		1.5	UG/L	624	07/23/2005 19:00	BJ
Trichloroethene	ND		1.2	UG/L	624	07/23/2005 19:00	BJ
Vinyl chloride	ND		1.4	UG/L	624	07/23/2005 19:00	BJ

SECTION 1

Appendix B

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

SECTION 2

SPDES #: NY- 000 1988 **Facility:** Former Carborundum Complex – Cory Rd, Wheatfield

Date of noncompliance: 07 / 18 / 05 **Location (Outfall, Treatment Unit, or Pump Station):** 01A

Description of noncompliance(s) and cause(s): The July 18, 2005 24-hour composite sample for VOCs was diluted due to excessive foaming. The sample was diluted by a factor of four which increased the reporting limit for methylene chloride from 3.5 ug/L to 14. methylene chloride was reported as not-detected at the reporting limit of 14ug/L. The permitted daily maximum discharge limit for methylene chloride is 10 ug/L.

Has event ceased? (Yes) (No) **If so, when?** 7/23/05 **Was event due to plant upset?** (Yes) (No) **SPDES limits violated?** * (Yes) (No)

Start date, time of event: 07 / 18 / 05, 08 : 00 (AM) (PM) **End date, time of event:** 08 / 15 / 05, 14:45 (AM) (PM)

Date, time oral notification made to DEC: 08 / 16 / 05, 08 : 45 (AM) (PM) **DEC Official contacted:** Robert Smyth

Immediate corrective actions: The analytical laboratory has reanalyzed the remaining sample volume outside holding time with a 2X dilution. Sample results for the 2X dilution were non-detect (ND) at a reporting limit of 7 ug/L (see attached). Laboratory has provided a written description of this event (see attached). Corrective action implemented is addition of an alert to the analytical test profile for dilutions greater than 2X, see attached letter from the laboratory. The most recent methylene chloride exceeded was reported in April 2003. This exceedence was attributed to laboratory cross contamination.

Preventive (long term) corrective actions:

The analytical laboratory shall not dilute any samples such that SPDES permit requirements are exceeded. If dilution is necessary the permit holder will be notified and a determination will be made to resample or complete the analysis at an appropriate level of dilution.

* The few historical occurrences of methylene chloride in relation to this permit have been attributed to laboratory contamination. Methylene chloride was not-detected at a reporting limit of 7 ug/L during reanalysis (outside of holding time) of the 7/18/05 sample. The permit limit is 10 ug/L.

SECTION 3

Complete this section if event was a bypass:

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

DEC Official contacted: ___ **Date of DEC approval:** ___

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

SECTION 4

Facility Representative: Richard C. Becken **Title:** Plant Operator **Date:** 08 / 17 / 05

Phone #: (716) 731 - 5322 **Fax #:** (716) 731 - 5424

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.

[signature]

Signature of Principal Executive Officer or Authorized Agent

August 8, 2005

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME ELM HOLDINGS, INC C/O BP AMOCO

ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079

FACILITY FORMER CARBORUNDUM COMPLEX

LOCATION SANBORN NY 14132

ATTN: WILLIAM BARBER, PROJ MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

DISCHARGE MONITORING REPORT *(DMR)*

NY0001988 — PERMIT NUMBER

01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	68.125	68.8	(15)	0	01/31	GR
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	90 DAILY MX	DEG. F		ONCE/MONTH	GRAB
FLOW RATE	SAMPLE MEASUREMENT	22,525	24,300	(07)	******	******	******		0	99/99	M.S
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	864000 DAILY MX	GPD	******	******	****** **** ****			CONTINUOUS	MEASRD
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	******	******		******	< 2.0	< 2.0	(19)	0	02/31	24
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	5 DAILY AV	30 DAILY MX	MG/L		TWICE/MONTH	COMP24
PH	SAMPLE MEASUREMENT	******	******		8.13	******	8.21	(12)	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		6 MINIMUM	******	9 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	< 4.0	< 4.0	(19)	0	02/31	24
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	20 DAILY AV	40 DAILY MX	MG/L		TWICE/MONTH	COMP24
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	< 5.0	< 5.0	(19)	0	02/31	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	15 DAILY MX	MG/L		TWICE/MONTH	GRAB
CYANIDE, TOTAL (AS CN)	SAMPLE MEASUREMENT	******	******		******	< 10	< 10	(28)	0	01/31	24
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** **** ****		******	REPORT DAILY AV	60 DAILY MX	UG/L		ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WILLIAM BARBER
PROJECT MGR.

TYPED OR PRINTED

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

AREA CODE: 216 | NUMBER: 271-8038

DATE

YEAR: 2005 | MO: 08 | DAY: 24

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

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

OMB No. 2040-0004

NY0001988 — PERMIT NUMBER
01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
ARSENIC, TOTAL (AS AS)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/31	24
01002 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	190 DAILY MX	UG/L		ONCE/ MONTH	COMP24
CADMIUM, TOTAL (AS CD)	SAMPLE MEASUREMENT	******	******		******	1.0	1.0	(28)	0	01/31	24
01027 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		ONCE/ MONTH	COMP24
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	******	******		******	<4.0	<4.0	(28)	0	01/31	24
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	50 DAILY MX	UG/L		ONCE/ MONTH	COMP24
COPPER, DISSOLVED (AS CU)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/31	24
01040 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			*** ****		REPORT DAILY AV	REPORT DAILY MX	UG/L		ONCE/ MONTH	COMP24
COPPER, TOTAL (AS CU)	SAMPLE MEASUREMENT	******	******		******	<10	<10	(28)	0	01/31	24
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			*** ****		REPORT DAILY AV	30 DAILY MX	UG/L		ONCE/ MONTH	COMP24
IRON, TOTAL (AS FE)	SAMPLE MEASUREMENT	******	******		******	<0.05	<0.05	(19)	0	01/31	24
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			*** ****		REPORT DAILY AV	DAILY MX	MG/L		ONCE/ MONTH	COMP24
LEAD, TOTAL (AS PB)	SAMPLE MEASUREMENT	******	******		******	9.9	9.9	(28)	0	01/31	24
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	50 DAILY MX	UG/L		ONCE/ MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
WILLIAM BARBER
PROJECT MGR.
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 216, NUMBER 271-8038

DATE: YEAR 2005, MO 08, DAY 24

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

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

OMB No. 2040-0004

NY0001988	01A M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 07 DAY 01 TO YEAR 05 MO 07 DAY 31

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
ZINC, DISSOLVED (AS ZN)	SAMPLE MEASUREMENT	******	******		******	.724	.724	(19)	0	01/31	24
01090 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	REPORT DAILY MX	MG/L		ONCE/MONTH	COMP24
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	******	******		******	.796	.796	(19)	0	01/31	24
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	5.0 DAILY MX	MG/L		ONCE/MONTH	COMP24
1,2-DICHLOROETHANE	SAMPLE MEASUREMENT	******	******		******	<1.4875	<3.4	(28)	0	01/07	24
32103 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
CHLOROFORM	SAMPLE MEASUREMENT	******	******		******	<1.5675	<3.6	(28)	0	01/07	24
32106 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
METHYLENE CHLORIDE	SAMPLE MEASUREMENT	******	******		******	<6.125	<14	(28)	1	01/07	24
34423 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
1,1-DICHLOROETHANE	SAMPLE MEASUREMENT	******	******		******	<1.455	<3.3	(28)	0	01/07	24
34496 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
1,1-DICHLOROETHYLENE	SAMPLE MEASUREMENT	******	******		******	<3.125	<7.1	(28)	0	01/07	24
34501 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
WILLIAM BARBER PROJECT MGR.	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.	216	271-8038	05	08	24
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

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CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

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

OMB No. 2040-0004

NY0001988 — PERMIT NUMBER
01A M — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE | | ***
NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
1,1,1-TRICHLORO-ETHANE	SAMPLE MEASUREMENT	******	******		******	<2.275	<5.2	(28)	0	01/07	24
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
1,2-TRANS-DICHLORO-ETHYLENE	SAMPLE MEASUREMENT	******	******		******	<2.625	<6.0	(28)	0	01/07	24
34546 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
VINYL CHLORIDE	SAMPLE MEASUREMENT	******	******		******	<2.475	<5.7	(28)	0	02/31	24
39175 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		ONCE/ MONTH	COMP24
PHENOLS	SAMPLE MEASUREMENT	******	******		******	<8.0	<28.0	(28)	0	02/31	24
34000 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	8 DAILY MX	UG/L		ONCE/ MONTH	COMP24
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	******		******	<0.1	<0.1	(19)	0	01/31	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	0.5 DAILY MX	MG/L		ONCE/ MONTH	GRAB
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	******	******		******	<0.2	<0.2	(28)	0	01/31	24
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	0.8 DAILY MX	UG/L		ONCE/ MONTH	COMP24
TRICHLOROETHENE	SAMPLE MEASUREMENT	******	******		******	3.025	<4.8	(28)	0	01/07	24
78391 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	*** ****	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
WILLIAM BARBER
PROJECT MGR.
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 216, NUMBER 271-8038

DATE: YEAR 05, MO 08, DAY 24

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

NAME ELM HOLDINGS, INC C/O BP AMOCO
ADDRESS FORMER CARBORUNDUM COMPLEX
4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS OH 44125-1079
FACILITY FORMER CARBORUNDUM COMPLEX
LOCATION SANBORN NY 14132
ATTN: WILLIAM BARBER, PROJ MGR

DISCHARGE MONITORING REPORT (DMR)

NY0001988	01A M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	07	01	TO	05	07	31

MAJOR
(SUBR 09)
F - FINAL
GROUNDWATER TREATMENT SYSTEM

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
1,2-CIS-DICHLORO-ETHYLENE 81574 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	<2.8	<6.4	(28)	0	01/07	24
	PERMIT REQUIREMENT	******	******	******	******	REPORT DAILY AV	10 DAILY MX	UG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

WILLIAM BARBER
PROJECT MGR.

TYPED OR PRINTED

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[signature]
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
216	271-8038	2005	08	24
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*