2007 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:

PARSONS

40 LA RIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

February 2008

2007 ANNUAL SUMMARY REPORT

GROUNDWATER REMEDIATION PROGRAM
AT THE
FORMER CARBORUNDUM FACILITY

Wheatfield, Niagara County, New York

Submitted to:

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

Submitted by:

Atlantic Richfield Company

A BP affiliated company

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

Prepared By:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
Phone: (716) 541-0730
Fax: (716) 541-0760

February 2008

PARSONS

40 La Riviere Drive, Suite 350 ⅄ Buffalo, New York, 14202 ⅄ (716) 541-0730 ⅄ Fax (716) 541-0760⅄ www.parsons.com

February 28, 2008

Mr. Timothy Dieffenbach
NYSDEC
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2399

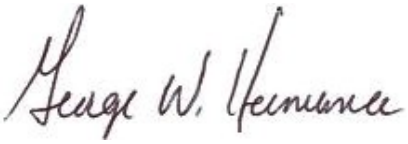
Re: 2007 Annual Summary Report
Former Carborundum Facility, Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Dieffenbach:

On behalf of Atlantic Richfield Company, enclosed is the 2007 Annual Summary Report for the former Carborundum Site in Wheatfield, New York. This report is issued in accordance with the December 1993 "Addendum to the Remedial Design/Remedial Action Work Plan." The report covers remedial activities at the site during the period from January 1 through December 31, 2007.

If you have any questions, please feel free to contact me at (716) 276-2179.

Sincerely,



for

Mark S. Raybuck
Project Manager

Enclosure

cc: W. Barber - Atlantic Richfield Company
M. Forcucci - NYSDOH
G. Litwin - NYSDOH
E. Fulwell - NCCC
R. Becken – O&M Enterprises
File (444183, No. 9)
T. Dieffenbach - NYSDEC
G.A. Rider - NYSDEC
J. Devauld - NCDOH
R. Locey - NYSDEC
K. Scott–Metaullics Systems

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

SECTION 1
INTRODUCTION

In accordance with the December 1993 "Addendum to the Remedial Design/Remedial Action Work Plan," this annual report for 2007 documents the 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 State Pollutant Discharge Elimination System (SPDES) outfall. The SVES operated until September 2001. All SVES operations were discontinued in 2002 with approval of the New York State Department of Environmental Conservation (NYSDEC). The GRS continued operation after the SVES operations were discontinued.

In 2007, 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, 2007. These activities included GRS operations, waste handling activities, permit issues, sampling and analysis, installation of a new groundwater extraction well (PW-4), and integration of the well to the GRS. Atlantic Richfield health, safety, security, and environment (HSSE) practices were followed during planning and implementation of work activities.

SECTION 2
GROUNDWATER REMEDIATION SYSTEM

During 2007, 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 2007, and planned future activities.

2.1 OPERATIONS AND MAINTENANCE

In 2007, 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 areas and driveways. Table 1 provides the recovery well specifications used during the year. Non-routine O&M activities conducted for the GRS during the annual period included:

- Repairs to the well shed door at PW-1;
- Purchased and installed spring-assisted flapper check valve;
- Abandoned header system, underground piping, and SVE/I points;
- Disposed of storm sewer debris (four 55-gallon drums);
- Abandoned former water line conduit stick-ups that passed beneath paved roadways;
- Cleaned and zeroed the differential pressure gauges on the carbon units;
- Disposed of scrap PVC from the header system for the SVE/I lines running beneath the Metaullics facility;
- Completed cutting and disposal of former above-ground water line pipe supports;
- Completed landscaping repairs to areas where former above-ground water line pipe supports were removed;

- Completed installation of a concrete curb and pads designed to mitigate possible surface water flow into plant;
- Redeveloped PW-3 and cleaned out underground water line from PW-3 to the treatment plant;
- Disposed of one drum of filter bags;
- Replaced leaking water spigot on the north side of the treatment building;
- Filled in holes and ruts (trip hazards) near P-2;
- Replaced electrical heater in PW-1 well shed;
- Installed new recovery well (PW-4) and installed wellhead piping and power and controls equipment ;
- Replaced a float switch on a sump pump in treatment building sump;
- Replaced two low bay lights inside treatment building and repaired outdoor security light;
- Purchased and installed new thermostat for treatment plant heater;
- Built and installed a pipe rack in the treatment building; and
- Installed roof vents in PW-1 and PW-4 well sheds.

2.2 SYSTEM PERFORMANCE IN 2007

Table 2 summarizes GRS performance and system uptime. The combined average system up time, based on operational hours relative to total hours, was approximately 97%. Individual well up times ranged from 93% at P-3 to 100% at P-4. The treatment system was shut down intermittently during October 2007 to accommodate equipment modifications and the pumping test at PW-4.

As per previous reports and consistent with the current goals for the system, GRS performance in 2007 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 in 2007, and recommendations to improve future performance, are discussed 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 2007. 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 were limited by a high degree of "up time" 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 TOR and Zone 1 in 2007 (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 14 million gallons of groundwater were extracted by the GRS in 2007, yielding approximately 160 pounds of extracted VOCs. The average GRS pumping rate for 2007 was approximately 26 gpm. These data indicate that the GRS continued to make progress in the reduction of available mass in the source area groundwater during 2007.

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

2.2.4 Treatment and SPDES Discharge

During 2007, two noncompliant results were identified at a level above the SPDES permit requirements. The original analytical result for cadmium (0.058 mg/l) in the sample collected June 6, compared to the permit level of 0.010 mg/l, was determined to be a laboratory error (contaminated glassware). As approved by the NYSDEC, the original result was disregarded and the result (ND at 0.001 mg/l) from the re-analysis of the same sample was reported on the DMR. With NYSDEC approval, a Report of Noncompliance was not submitted for this event (See Appendix C).

In the SPDES sample collected on December 20, the daily maximum for phenol was found at 0.010 mg/l, which is above the 0.0080 mg/l permit level. Based on the re-analysis of the sample, historical data review, and the subsequent investigation, this exceedence was related to laboratory glassware contamination. As per NYSDEC request, a Report of Noncompliance and a letter from the analytical laboratory describing the analysis, re-analysis, and suspected cause of the discrepancy was submitted with the December 2007 DMR (See Appendix C).

2.3 SYSTEM UPGRADES

With approval from the NYSDEC, recovery well (PW-4) was installed and a pumping test was completed in November of 2007. After evaluation of the pumping test

report, NYSDEC approved the integration of the well into the existing GRS. Underground water line connection and power and controls connections for PW-4 were completed in December of 2007. Groundwater extraction from PW-4 is scheduled to begin in the first quarter of 2008.

2.4 PLANNED FUTURE GRS ACTIVITIES

In addition to continued operation, maintenance, and monitoring of the focused extraction effort, the following activities will be addressed in 2008:

- Complete a plan for water level monitoring schedule for the new recovery well (PW-4), associated observation wells, and vault sumps inside the Metaullics building, and provide to NYSDEC for approval.
- Begin groundwater extraction from PW-4 during the first quarter of 2008.
- Implement the NYSDEC approved groundwater monitoring program in the vicinity of PW-4.
- 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 2007, wastes generated during site operation and maintenance included personal protective equipment (PPE), GRS materials, and soil generated during the installation of PW-4.

3.1 PERSONAL PROTECTIVE EQUIPMENT

During 2007, PPE waste was generated during routine O&M activities. The PPE wastes that had been in contact with hazardous materials are disposed of with the spent water filters. Waste PPE during the 2008 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 may generate used filter bags, PPE, sediment from filtering, and spent carbon adsorption material. 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. One drum of used filter bags and PPE was disposed of as a hazardous waste on August 31, 2007. The drum was taken to CWM Chemical Services, LLC in Model City, New York and disposed in a hazardous waste landfill. A copy of the waste manifest is included in Appendix C.

3.3 SOIL VAPOR EXTRACTION SYSTEM REMOVAL

Operation of the SVES system for soil remediation was discontinued in December 2002. Beginning in 2003 and continuing through 2005, various components of the SVE system were dismantled and disposed. In 2006, accessible SVES extraction and injection points outside the treatment building were decommissioned in accordance with a NYSDEC-approved work plan. In 2007, a header system was decommissioned and remaining injection and extraction points were decommissioned in accordance with a NYSDEC-approved work plan.

3.4 STORM SEWER INVESTIGATION WASTE

After completion of the storm and sewer line investigation, sediment that was removed from the sewer lines and contained in four 55-gallon drums, was disposed of as a hazardous waste. The waste was shipped to Von Roll America, Inc. in East Liverpool, Ohio for disposal.

SECTION 4
PERMIT ISSUES

Discharge from the GRS occurs under a SPDES permit for water discharge to Cayuga Creek, and an air discharge registration for air emissions from the air stripper. Key activities associated with the permit and the air registration are summarized below.

4.1 SPDES PERMIT FOR GRS

The SPDES Permit for the GRS presently consists of Outfall 001A, located at the discharge of the GRS in the treatment building. It was renewed in November 2006, and is due to expire March 31, 2012. A copy of the SPDES Permit is provided in Appendix C.

In 2007 samples collected for compliance with the SPDES permit were analyzed by Waste Stream Technology, Inc. (WST). Two noncompliant analytical results were identified at a level above the SPDES permit requirements.

In June, the original analytical result for cadmium (0.058 mg/l) in the sample collected June 6, compared to the permit level of 0.010 mg/l, was a laboratory error (contaminated glassware). The NYSDEC was notified by phone within 24-hours of discovering the analytical result. As approved by the NYSDEC, the original result was disregarded and the result (ND at 0.001 mg/l) from the re-analysis of the same sample was reported on the DMR. As directed by the NYSDEC, a Report of Noncompliance was not submitted for this event (See Appendix C).

In the SPDES sample collected on December 20, the daily maximum for phenol was found at 0.010 mg/l, above the 0.0080 mg/l permit level. Based on the re-analysis of the sample, historical data review, and the subsequent investigation, this exceedence was related to laboratory glassware contamination. Per NYSDEC request, a Report of Noncompliance and a letter from the analytical laboratory describing the analysis, re-analysis, and suspected cause of the discrepancy was submitted with the December 2007 DMR (See Appendix C).

The permit holder also participated in the 2007 Quality Assurance Study (DMR-QA Study 27). No "unsatisfactory" results were obtained in the study. The results of the DMR-QA Study for this permit are attached in Appendix C.

4.2 AIR REGISTRATION

In 2007, the facility continued to operate under a registration status in New York State. The registration does not expire.

SECTION 5
GROUNDWATER 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 2007 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, 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 sampling schedule used in 2007 was approved by the NYSDEC in October 2005.

In 2007, groundwater levels were measured in all of the wells in the monitoring network on a quarterly basis, as approved by the NYSDEC in October 2005.

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 and matrix spike/matrix spike duplicates (MS/MSD). To the extent practicable, QA/QC sample sets were collected at a rate of one per sample group.

Using standard protocols, each well was purged with a decontaminated purge pump, dedicated high density polyethylene (HDPE) bailer, or the sampling port on the recovery well. During purging, field parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded. Purging continued until field parameters had stabilized and between three and five well volumes of water had been purged. After purging was complete, groundwater samples were collected from the monitoring and recovery wells. Field parameters were also collected immediately after sample collection. During the April quarterly sampling event, field parameters for natural attenuation parameters were collected after sampling. The samples were placed in pre-cleaned, labeled 40-ml glass vials provided by the analytical laboratory, Waste Stream Technology, Inc. (WST). The sample vials did not contain preservative, in accordance with New York State guidance. Two sample vials were collected from each well. The containers were visually inspected to confirm that they did not contain air bubbles.

January 2007

The January 2007 quarterly groundwater sampling event included the sampling of 22 monitoring wells and five recovery wells. The event was completed between January 5 and 11. No low-flow samples were planned during this quarterly sampling event. Field data collected during the sampling event are provided on Table 4.

April 2007

The April 2007 quarterly sampling event included the sampling of 23 monitoring wells and five recovery wells, and low-flow sampling for natural attenuation parameters at 15 of the 23 monitoring wells that were sampled. The groundwater sampling event was completed between April 3 and 19. Field data collected during the April sampling event are provided on Table 5. Natural attenuation laboratory parameter results are provided on Table 6.

Low-flow sampling methods were employed to collect 15 groundwater samples. A pneumatically operated bladder pump was placed approximately one to two feet above the well bottom. Groundwater was pumped through an in-line flow cell until groundwater quality readings for the indicator parameters (pH, temperature, conductivity, redox, and dissolved oxygen) stabilized. Purge volumes varied between one and 6.5 gallons. Once the parameters stabilized, the groundwater sample was collected.

July 2007

Fifty-seven monitoring wells and five recovery wells were sampled during the July event. The event was completed between July 5 and 18. No low-flow samples were planned during this quarterly sampling event. Field data collected during the sampling event are provided on Table 7.

October 2007

Twenty-three monitoring wells and five recovery wells were sampled during the October sampling event. The groundwater sampling event was completed between October 9 and 15. Field parameters collected during this sampling event are provided on Table 8. No low-flow samples were planned during this quarterly sampling event.

Groundwater Quality

As mentioned in Section 2.2.1, recovery 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 2007 is consistent with historical levels. The concentrations for each 2007 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 2007, dissolved VOCs generally ranged from below the analytical detection limits to 1,000 ug/L. Wells in which concentrations of one or more VOCs exceeded 1,000 ug/L are listed below:

- Recovery well PW-1 has had fluctuating concentrations of dissolved VOCs that appear to have a flat trend since 2001. TCE concentrations were over 1,000 ug/L in 2004 and 2005 and below 1,000 ug/L in 2006. In 2007, TCE concentrations slightly exceeded 1,000 ug/L in the April and October events and were below 1,000 ug/L in the other two rounds. In 2004, total 1,2-DCE was identified over 1,000 ug/L but in 2005 and 2006, total 1,2-DCE concentrations decreased from over 1,000 ug/L to between 100 and 200 ug/L. In 2007, total 1,2-DCE concentrations ranged from 68 to 307 ug/L. 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.

- B-8M has had dissolved VOC concentrations remain 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 ug/L and was identified at greater than 100,000 ug/L in the October 2007 sample. Total 1,2-DCE concentrations ranged as high as 10,000 ug/L in 2004, but dropped to less than 1,000 ug/L in 2005. Total 1,2-DCE concentration was 3,482 ug/L 2006. In 2007, total 1,2-DCE concentrations ranged from 692 ug/L in April to 6,730 ug/L in October.

- B-11M is sampled annually in July. In 2007, the TCE concentration in B-11M (1,150 ug/L) was stable compared to the TCE concentrations in 2003 through 2006. Total 1,2-DCE concentrations ranged from 155 ug/L to 313 ug/L between 2002 and 2007.

- B-13M concentrations have been stable since the pumping wells were retrofitted in 2001. In 2005 and 2006, TCE concentrations were 300 ug/L or lower. In 2007, TCE concentrations were 127 ug/L or less in the four

sampling events. In 2005 and 2006, total 1,2-DCE concentration was between 230 ug/L and 1,100 ug/L. In 2007, total 1,2-DCE was less than 450 ug/L.

- B-14M is sampled annually in July. The TCE concentration in B-14M was higher in 2006 (1,500 ug/L) compared to previous samples which were 500 ug/L or less. The TCE concentration in 2007 was 541 ug/L. Total 1,2-DCE concentrations ranged from 10 ug/L to 306 ug/L between 2002 and 2006. In 2007, total 1,2-DCE was 67 ug/L.

- B-17M concentrations have been relatively stable since the pumping wells were retrofitted in 2001. In 2005 and 2006, TCE concentrations were consistently above 7,000 ug/L. In January 2007, TCE was identified at 12,800 ug/L but was 3,150 ug/L or less in the following three events of 2007. Between 2005 and 2007, total 1,2-DCE concentrations ranged from 3,100 ug/L to greater than 15,000 ug/L. Vinyl chloride concentrations in 2005 and 2006 ranged from 470 to 1,500 ug/L. In 2007, vinyl chloride increased over the four sampling events from 372 ug/L to 2,540 ug/L.

- Recovery well P-2 concentrations have remained relatively stable since the well screen interval was changed in 2001. TCE concentrations ranged from 5,200 to 9,200 ug/L in 2005, 2,700 ug/L to 8,500 ug/L in 2006, and from 732 ug/L to 9,730 ug/L in 2007. Total 1,2-DCE was detected in the 500 to 900 ug/L range in 2005, and decreased to between 300 and 800 ug/L in 2006. In 2007, total 1,2-DCE concentrations ranged from 368 ug/L in January to 10,400 ug/L in October.

- Recovery well P-4 concentrations increased after a change in the screened interval of the well in 2001. TCE concentrations ranged from 770 ug/L to 1,500 ug/L from 2004 to 2006. In 2007 concentrations were a little more variable ranging from 579 ug/L to 2,080 ug/L. In 2007, total 1,2-DCE concentrations were in the 400 to 745 ug/L range, similar to 2004 to 2006.

- Recovery well PW-3 TCE concentrations ranged from 946 to 4,620 ug/L, between 2004 and 2006. In 2007, concentrations of TCE increased over the four sampling events from 1,940 ug/L in January to 4,220 ug/L in October.

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 ug/L. No wells contained concentrations exceeding 100 ug/L. 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 4 and October 11, 2007.

Methylene chloride was detected in the water samples from the quarry pond at 2 ug/L in October 2007. Methylene chloride is a known laboratory contaminant. The quarry seep was dry during both of the sampling events. These results are consistent with historical 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 2008.

5.3 FUTURE SAMPLING AND ANALYSIS ACTIVITIES

Scheduled activities for the 2008 annual period include the following:

- Quarterly water level monitoring of all monitoring wells and recovery wells;
- Begin groundwater extraction from the new extraction well, PW-4;
- Focused water level monitoring in the vicinity of PW-4;
- Quarterly sampling and chemical analysis of selected monitoring wells and the recovery wells as identified in Table 3. The April 2008 event will include both natural attenuation field and laboratory parameters;
- Annual sampling and chemical analysis for all monitoring and recovery wells as identified in Table 3; and
- Semi-annual sampling of Niagara Quarry wall seeps (when present) and ponded water.

SECTION 6
HEALTH, SAFETY, SECURITY, AND ENVIRONMENT

Health, Safety, Security, and Environment (HSSE) activities during the period included continued worker and community monitoring. The site HSSE program was undertaken in accordance with OSHA 1910.120, and was restricted to Level D protection requirements during non-intrusive activities.

6.1 SITE HEALTH, SAFETY, SECURITY, AND ENVIRONMENT PLAN

All contractors assigned to the remediation efforts operated under the provisions of the Site HSSE Plan. This plan was revised and updated in 2006. The HSSE plan is part of the OM&M manual developed for use with the tray stripper. The plan has been accepted by health and safety representatives from Atlantic Richfield Company, O&M Enterprises, and Parsons. All new personnel assigned to the site are given a health and safety orientation that includes a review of the HSSE Plan.

6.2 PERFORMANCE REPORT

During the 2007 Annual Period, no major accidents or incidents occurred at the site. A summary of the reportable accidents, injuries, incidents and releases during the 2007 Annual period is given below:

- Total Site Manhours Worked - 2007 Annual Period: 1,976 (approximate)
- Total Hours without accident, incident, or release: 7,381
- Reportable Accidents or Injuries: None
- Reportable OSHA Incidents: None
- Reportable Releases: None

SECTION 7
REFERENCES

1. Haley & Aldrich, 2003, October 2003 Quarterly Sampling Report, Former Carborundum Facility, Wheatfield, New York, December 2003.

2. Parsons, 2006, Operations, Monitoring, and Maintenance Manual at Former Carborundum Facility, Wheatfield, New York, September 2006.

3. Parsons, 2005, 2005 Annual Summary Report, Former Carborundum Facility, Wheatfield, New York, March 2006.

4. Haley & Aldrich, 2003, April 2003 Quarterly Sampling Report, Former Carborundum Facility, Wheatfield, New York, June 2003.

5. Haley & Aldrich, 2003, Upgradient Hydrologic Investigation Data Results, Former Carborundum Facility, Wheatfield, New York, January 2003.

6. Haley & Aldrich, 2002, 2002 Annual Report, Former Carborundum Facility, Wheatfield, New York, October, 2003.

7. Haley & Aldrich, 2001, Groundwater Migration Control Status Report, Former Carborundum Facility, Wheatfield, New York, May 2001.

8. Haley & Aldrich, 2001, Soil Closure Report, Former Carborundum Facility, Wheatfield, New York, March 2001.

9. Haley & Aldrich, 1998, Evaluation of Soil and Groundwater Remediation Efforts, 1992 to 1998 Former Carborundum Facility, Wheatfield, New York, November 1998.

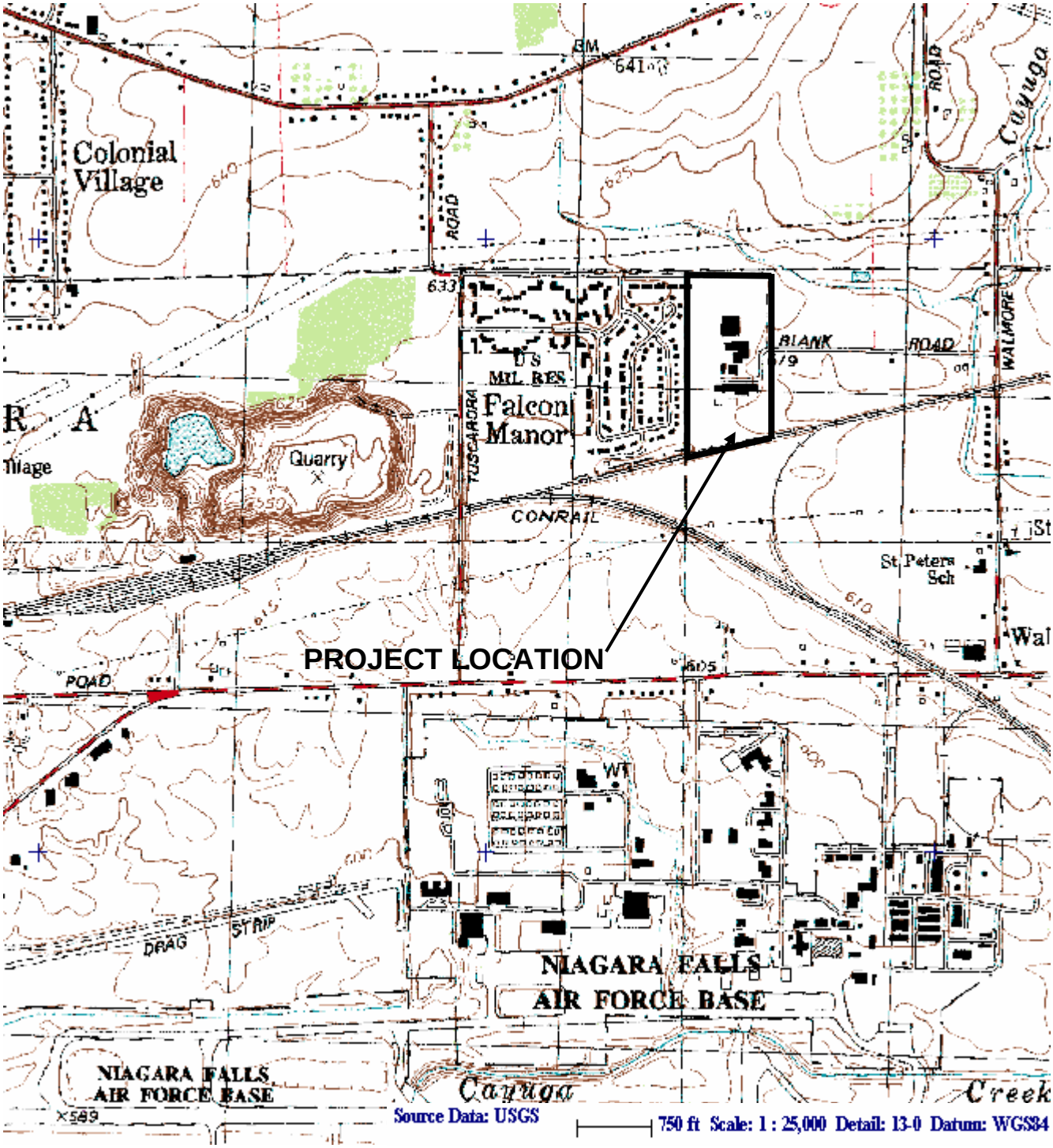
10. Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Gordon, E.K., Wilson, J.T., Wilson, B.H., Kampbell, D.H., Hansen, J.E., Hass, P., and Chapelle, F.H., 1996, Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater: US Air Force Center for Environmental Excellence, San Antonio, Texas.

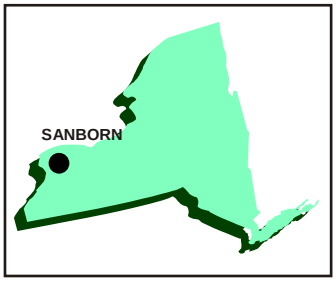
11. Wiedemeier, T.H., Wilson, J.T., Kampbell, D.H., Miller, R.N., and Hansen, J.E., 1995, Technical Protocol for Implementing Intrinsic Remediation with Long-term Monitoring for Natural Attenuation of Fuel Contamination Dissolved in Groundwater: US Air Force Center for Environmental Excellence, San Antonio, Texas.

12. Haley & Aldrich, 1993, Addendum to the Remedial Design/Remedial Action Work Plan, Former Carborundum Facility, Wheatfield, New York, December 1993.

13. Haley & Aldrich, 1993, RD/RA Work Plan Addendum, Carborundum Facility, Wheatfield, New York, December 1993.

FIGURES





New York
Quadrangle

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

N

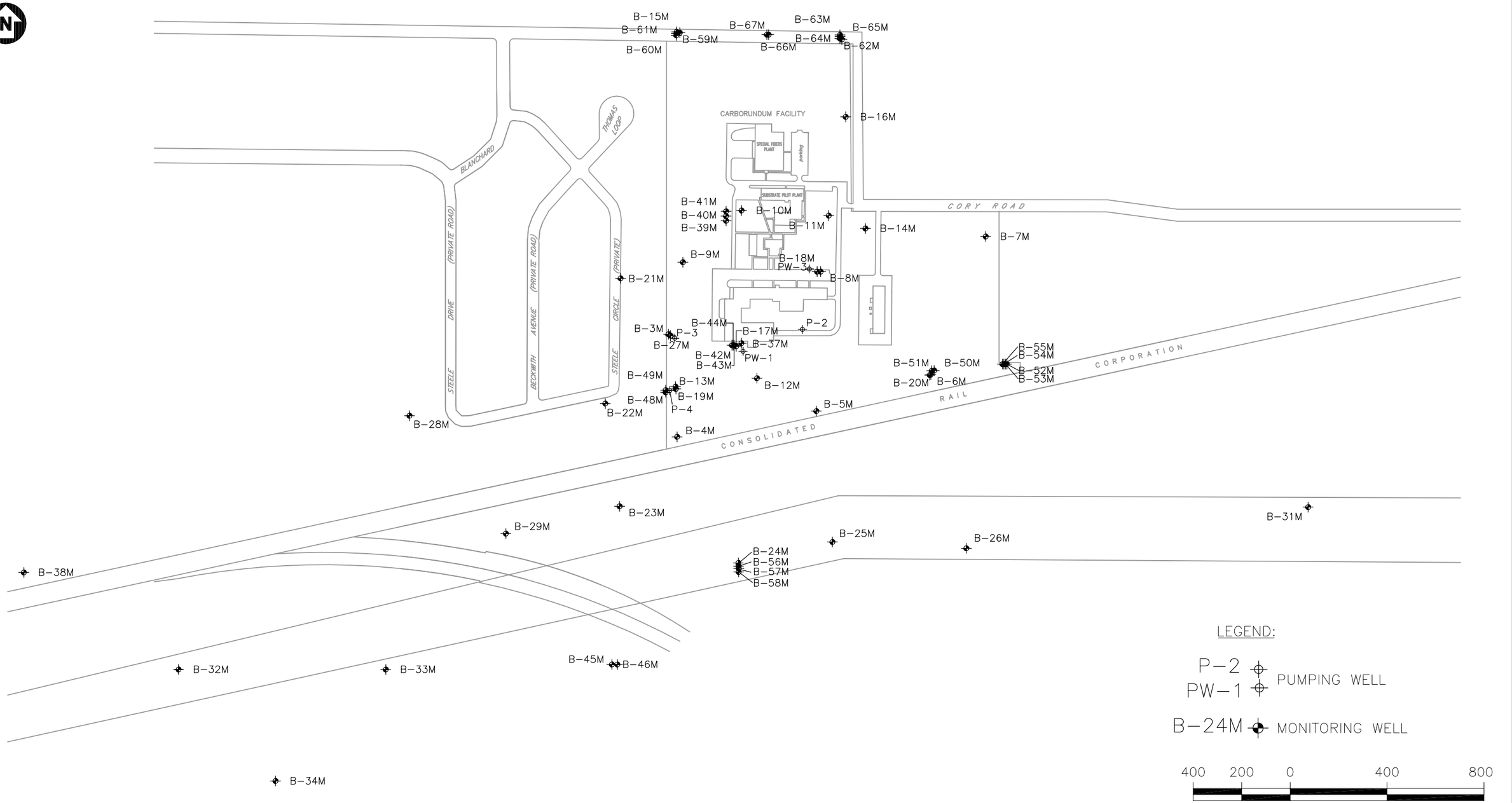
SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

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

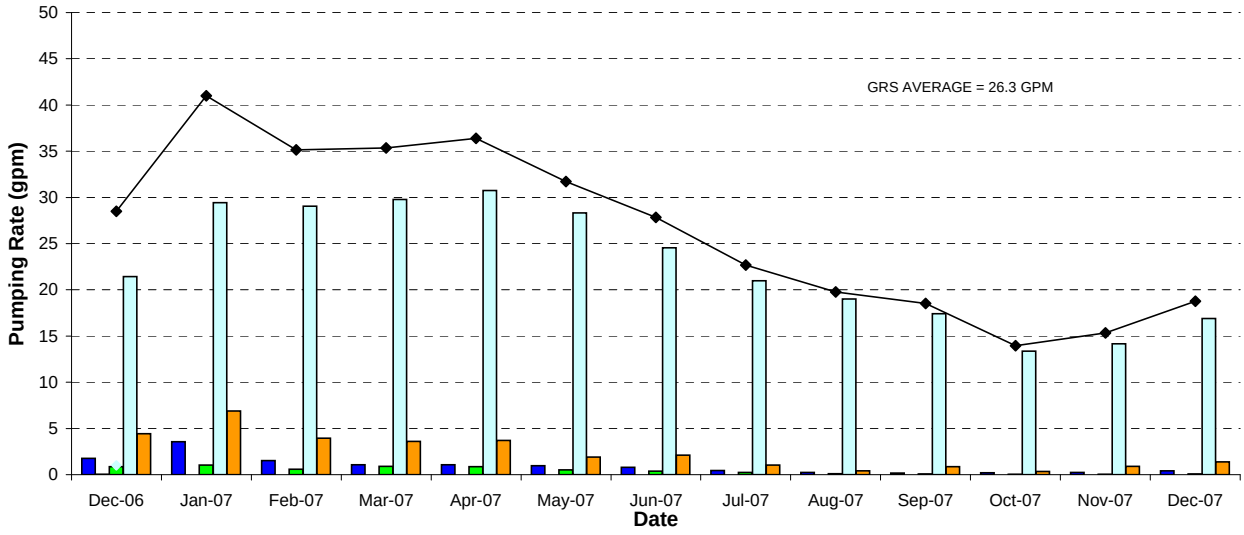
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

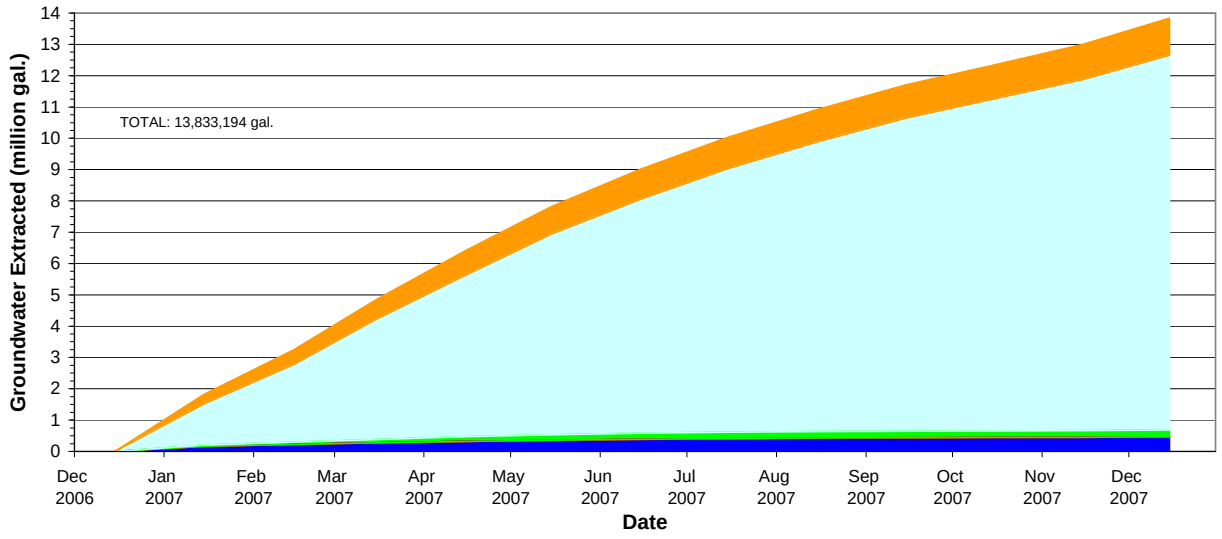
SITE PLAN

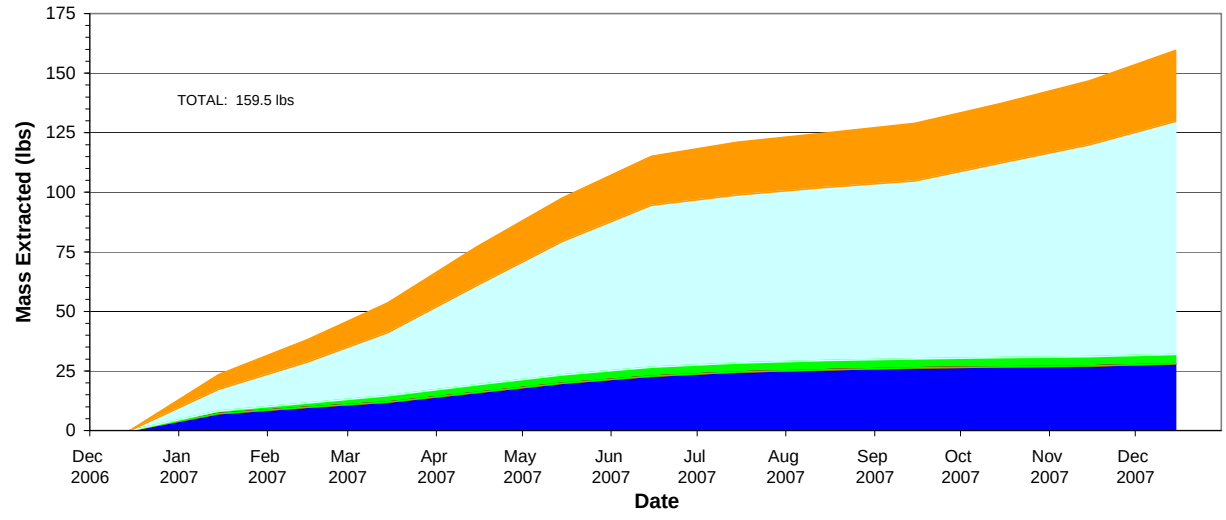
PARSONS
180 LAWRENCE BELL DRIVE, SUITE 104, WILLIAMSVILLE, N.Y. 14221, PHONE: 716-633-7074

P:\440867\CAD\SK-440867-C001.dwg, 04/23/04 at 16:14, mab, 1=1
No XREFs

FILE NO.: 79002-173







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 01/01/07 to 12/31/07 only.

PARSONS

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
WHEATFIELD, NEW YORK

GROUNDWATER RECOVERY SYSTEM PERFORMANCE SUMMARY

DEC 2007

P:\442951\WP\07AnnRpt\weberdata\[GRS_2007.xls]Figure

FIGURE 3

TABLES

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

Revised 9/05/2003

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

Well	Category	Units	January 2007	February 2007	March 2007	April 2007	May 2007	June 2007	July 2007	August 2007	September 2007	October 2007	November 2007	December 2007	Annual Total 2007
		Days	31	28	31	30	31	30	31	31	30	31	30	31	365
P-2															
	Uptime	(%)	99%	88%	100%	100%	100%	99%	100%	100%	100%	91%	100%	100%	98%
	Average Flow	(gpm)	3.6	1.5	1.1	1.1	1.0	0.8	0.4	0.2	0.2	0.2	0.2	0.4	0.9
	Total Flow	(gal)	159,549	61,627	47,624	46,054	43,946	33,766	19,557	10,654	8,042	8,671	9,903	18,668	468,061
	Average Concentration (total)	(ppb)	5,328.	5,328.	5,328.	10,555.	10,555.	10,555.	10,772.	10,772.	10,772.	5,736.	5,736.	5,736.	NA
	Total Contaminant Removed	(lbs)	7.1	2.7	2.1	4.1	3.9	3.0	1.8	1.0	0.7	0.4	0.5	0.9	28.1
P-3															
	Uptime	(%)	99%	99%	100%	100%	100%	99%	100%	100%	100%	23%	100%	100%	93%
	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)	735	497	710	680	506	320	220	142	89	61	52	94	4,106
	Average Concentration (total)	(ppb)	51.	51.	51.	43.	43.	43.	88.	88.	88.	2,851.	2,851.	2,851.	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															
	Uptime	(%)	99%	99%	100%	100%	100%	99%	100%	100%	100%	100%	100%	100%	100%
	Average Flow	(gpm)	1.1	0.6	0.9	0.9	0.5	0.4	0.2	0.1	0.1	0.0	0.0	0.1	0
	Total Flow	(gal)	47,082	24,294	40,331	37,377	23,205	16,071	10,535	4,218	3,034	1,335	1,137	2,774	211,392
	Average Concentration (total)	(ppb)	2,851.	2,851.	2,851.	1,597.	1,597.	1,597.	1,078.	1,078.	1,078.	1,223.	1,223.	1,223.	NA
	Total Contaminant Removed	(lbs)	1.1	0.6	1.0	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	3.9
PW-1															
	Uptime	(%)	99%	99%	100%	100%	100%	99%	100%	100%	100%	91%	100%	100%	99%
	Average Flow	(gpm)	29.4	29.1	29.8	30.7	28.3	24.5	21.0	19.0	17.4	13.4	14.2	16.9	23
	Total Flow	(gal)	1,314,250	1,171,594	1,328,926	1,328,059	1,263,929	1,060,306	936,920	848,959	752,016	596,852	612,245	754,170	11,968,227
	Average Concentration (total)	(ppb)	832.	832.	832.	1,365.	1,365.	1,365.	309.	309.	309.	1,414.	1,414.	1,414.	NA
	Total Contaminant Removed	(lbs)	9.1	8.1	9.2	15.1	14.4	12.1	2.4	2.2	1.9	7.0	7.2	8.9	97.8
PW-3															
	Uptime	(%)	99%	99%	100%	100%	98%	96%	100%	100%	100%	32%	100%	100%	94%
	Average Flow	(gpm)	6.9	3.9	3.6	3.7	1.9	2.1	1.0	0.4	0.9	0.4	0.9	1.4	2
	Total Flow	(gal)	307,955	159,086	160,042	160,138	84,772	91,538	45,626	18,095	36,726	15,953	39,108	62,369	1,181,408
	Average Concentration (total)	(ppb)	2,398.	2,398.	2,398.	2,820.	2,820.	2,820.	4,501.	4,501.	4,501.	5,620.	5,620.	5,620.	NA
	Total Contaminant Removed	(lbs)	6.2	3.2	3.2	3.8	2.0	2.2	1.7	0.7	1.4	0.7	1.8	2.9	29.7
GRS Total															
	Uptime	(%)	99%	97%	100%	100%	100%	99%	100%	100%	100%	67%	100%	100%	97%
	Average Flow	(gpm)	41.0	35.1	35.3	36.4	31.7	27.8	22.7	19.8	18.5	14.0	15.3	18.8	26.3
	Total Flow	(gal)	1,829,571	1,417,098	1,577,633	1,572,308	1,416,358	1,202,001	1,012,858	882,068	799,907	622,872	662,445	838,075	13,833,194
	Total Contaminant Removed	(lbs)	23.5	14.6	15.5	23.4	20.6	17.4	6.0	3.9	4.1	8.2	9.5	12.7	159.5

Notes:

1. FOR THE PERIOD OF 01/01/07 TO 12/31/07
2. UPTIME ESTIMATED AND REFLECTS POTENTIAL UPTIME.
3. FLOW RATES ARE ESTIMATED THROUGHOUT THE PERIOD DUE TO METER MALFUNCTIONS.
4. AVERAGE CONCENTRATION (TOTAL) EQUALS THE SUM OF THE DETECTED COMPOUNDS, cis-1,2-DCE, trans-1,2-DCE, PCE, and TCE.

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

WELL No.	GROUNDWATER SAMPLING			
	JAN	APR	JUL	OCT
B-3M			S	
B-4M			S	
B-5M			S	
B-6M	S	S	S	S
B-7M			S	
B-8M	S	S/LF/NA	S	S
B-9M	S	S	S	S
B-10M		S/LF/NA	S	S
B-11M			S	
B-12M			S	
B-13M	S	S/LF/NA	S	S
B-14M			S	
B-15M			S	
B-16M			S	
B-17M	S	S/LF/NA	S	S
B-18M			S	
B-19M	S	S/LF/NA	S	S
B-20M			S	
B-21M	S	S	S	S
B-22M	S	S/LF/NA	S	S
B-23M	S	S/LF/NA	S	S
B-24M	S	S	S	S
B-25M				
B-26M			S	
B-27M				
B-28M	S	S	S	S
B-29M			S	
B-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 as the annual sampling event.
3. The well sampling may change as the groundwater remediation program alters the plume configuration.
4. Water Levels are to be collected from every well, on a quarterly basis.

TABLE 4
MONITORING WELL GROUNDWATER SAMPLING DATA - JANUARY 2007
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	1/10/07	8:25	619.67	8.14	1.09	59.5	2.89	Pumping well
P-3	1/9/07	8:15	627.35	9.11	1.41	57.3	39.4	Pumping well
P-4	1/5/07	11:20	624.45	8.50	1.03	53.0	17	Pumping well
PW-1	1/9/07	8:30	619.78	8.09	0.76	55.2	1.86	Pumping well
PW-3	1/9/07	14:40	618.28	8.83	1.01	46.4	12.2	Pumping well
B-6M	1/9/07	10:45	615.69	8.32	1.02	48.1	141	
B-8M	1/9/07	14:30	618.57	8.70	0.96	45.9	184	
B-9M	1/5/07	9:50	623.03	7.28	0.28	47.7	78.0	
B-13M	1/10/07	13:40	626.70	8.04	0.97	47.8	99.2	
B-17M	1/9/07	15:20	622.07	8.72	0.66	51.3	47.2	
B-19M	1/8/07	15:50	626.01	8.75	1.13	48.1	32	
B-21M	1/11/07	10:55	622.56	6.97	0.96	50.5	136	
B-22M	1/11/07	10:00	622.29	6.77	1.11	50.7	38.6	
B-23M	1/8/07	14:20	617.71	8.63	0.89	46.9	38.7	
B-24M	1/8/07	12:10	617.24	8.85	0.67	45.3	20.1	
B-28M	1/11/07	9:15	622.62	6.87	0.95	50.2	450	
B-38M	1/10/07	14:25	609.81	7.94	1.12	45.2	194	
B-39M	1/9/07	11:35	626.12	8.62	0.68	48.9	42.7	
B-40M	1/5/07	11:00	626.23	8.21	0.94	52.6	7.19	
B-41M	1/9/07	13:45	626.31	8.82	0.93	50.7	19.9	
B-42M	1/10/07	12:10	623.76	8.2	0.79	47.6	19.5	
B-43M	1/10/07	11:20	623.64	7.93	1.41	49.6	3.62	
B-44M	1/10/07	10:45	623.29	8.17	2.33	48.5	25.7	
B-48M	1/5/07	12:45	625.40	8.89	0.85	51.9	11.2	
B-49M	1/5/07	12:20	625.56	8.13	2.61	52.6	52.8	
B-56M	1/8/07	13:00	617.78	9.69	0.88	47.7	53	
B-57M	1/8/07	13:15	617.80	8.27	2.02	47.2	14.1	

TABLE 5
MONITORING WELL GROUNDWATER SAMPLING DATA - APRIL 2007
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	4/3/07	15:15	619.67	6.42	1.26	56.9	5.17	Pumping well
P-3	4/3/07	14:20	627.35	6.98	1.37	53.7	12.4	Pumping well
P-4	4/3/07	14:35	624.45	6.49	0.97	54.4	2.70	Pumping well
PW-1	4/3/07	15:00	619.78	6.65	0.84	56.2	1.0	Pumping well
PW-3	4/3/07	14:00	618.28	6.52	1.58	51.2	2.76	Pumping well
B-6M	4/4/07	9:30	615.69	6.56	0.98	48.0	106	
B-8M	4/12/07	14:30	618.57	7.31	0.724	48.0	71.9	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-9M	4/4/07	14:00	623.03	6.57	0.68	44.8	74	
B-10M	4/18/07	13:25	622.07	6.71	1.75	48.7	24.4	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0 mg/l
B-13M	4/12/07	9:30	618.69	7.32	1.18	50.5	14.8	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0.1 mg/l
B-17M	4/12/07	13:15	626.01	7.42	0.928	51.4	9.8	Alkalinity as $CaCO_3$ = 220 mg/l Ferrous Iron = 0 mg/l
B-19M	4/12/07	11:15	617.71	7.39	0.772	50.2	124	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0 mg/l
B-21M	4/5/07	16:00	618.31	6.42	0.97	48.9	114	
B-22M	4/19/07	10:00	619.35	7.26	1.45	53.1	9.1	Alkalinity as $CaCO_3$ = 320 mg/l Ferrous Iron = 0 mg/l
B-23M	4/18/07	10:20	609.81	6.92	0.741	50.5	38.9	Alkalinity as $CaCO_3$ = 240 mg/l Ferrous Iron = 0.2 mg/l
B-24M	4/4/07	11:45	626.12	7.37	0.91	45.1	3.45	
B-28M	4/5/07	15:10	622.62	7.05	0.92	48.1	154	
B-38M	4/5/07	14:10	609.81	6.20	1.18	48.5	31	
B-39M	4/17/07	9:30	626.12	6.48	0.99	50.0	0	Alkalinity as $CaCO_3$ = 220 mg/l Ferrous Iron = 0 mg/l
B-40M	4/17/07	11:30	626.23	7.66	1.75	50.4	23.5	Alkalinity as $CaCO_3$ = 200 mg/l Ferrous Iron = 0 mg/l
B-41M	4/17/07	15:00	626.31	7.47	1.07	51.3	13.6	Alkalinity as $CaCO_3$ = 280 mg/l Ferrous Iron = 0.2 mg/l
B-42M	4/16/07	13:30	623.76	6.39	0.624	51.8	15.3	Alkalinity as $CaCO_3$ = 300 mg/l Ferrous Iron = 0 mg/l
B-43M	4/16/07	15:10	623.64	7.05	1.77	45.5	10	
B-44M	4/17/07	15:00	623.29	8.04	2.93	50.7	44	Alkalinity as $CaCO_3$ = 220 mg/l Ferrous Iron = 0 mg/l
B-48M	4/11/07	1:10	625.40	6.57	0.98	50.0	56.8	Alkalinity as $CaCO_3$ = 300 mg/l Ferrous Iron = 0 mg/l
B-49M	4/11/07	14:40	625.56	8.49	3.09	50.7	38	Alkalinity as $CaCO_3$ = 320 mg/l Ferrous Iron = 0 mg/l
B-56M	4/4/07	10:45	617.78	7.7	0.89	48.9	48	
B-57M	4/4/07	10:55	617.80	7.47	2.06	49.1	65.6	

TABLE 6
NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY
APRIL 2007 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Compound	Units	B-8M	B-10M	B-13M	B-17M	B-19M	B-22M	B-23M	B-39M	B-40M	B-41M	B-42M	B-43M	B-44M	B-48M	B-49M
Biochemical Oxygen Demand	mg O2/L	14.2	13	14.6	5	15	11.4	13.5	14.2	19.8	13	5.2	33.8	22.8	9	54.6
Chemical Oxygen Demand	mg/L	28.5	41.1	24.3	18	28.5	24.3	34.8	26.4	39	26.4	< 10	70.4	39	22.2	85.1
Chloride	mg/L	212	475	19.7	300	86.6	43.7	34.4	160	102	126	124	101	82.6	63.8	79.6
ethane	ug/l	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	J 8.2	< 12	17.9
ethene	ug/l	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	J 7.6	< 17	< 17
Iron	mg/L	3.09	1.74	0.091	0.16	< 0.083	0.087	3.84	0.229	0.091	0.537	< 0.083	0.083	0.252	< 0.083	< 0.083
Manganese	mg/L	0.121	0.009	0.013	0.125	0.023	0.016	0.036	0.011	0.028	0.029	0.009	0.029	0.018	0.014	0.035
Methane	ug/l	27.7	< 10	< 10	212	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	J 9.3	< 10	46.7
Nitrate as N	mg/L	2.3	1.26	0.8	< 0.2	< 0.5	0.61	0.24	2.6	0.84	0.37	2.9	1.22	< 1	2.19	1.43
Nitrite as N	mg/L	< 0.4	< 0.4	< 0.4	< 0.16	< 0.4	< 0.4	< 0.16	< 0.4	< 0.4	< 0.16	< 0.4	< 0.8	< 0.8	< 0.16	< 0.8
Soluble Organic Carbon	mg/L	8	10.9	7.4	4.3	9.9	11.6	10.6	10.8	16.7	9.4	4.9	25.7	12	8.1	2.3
Sulfate as SO4	mg/L	101	98.6	371	192	368	500	81.8	79	508	188	108	830	2080	107	1960

TABLE 7
MONITORING WELL GROUNDWATER SAMPLING DATA - JULY 2007
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

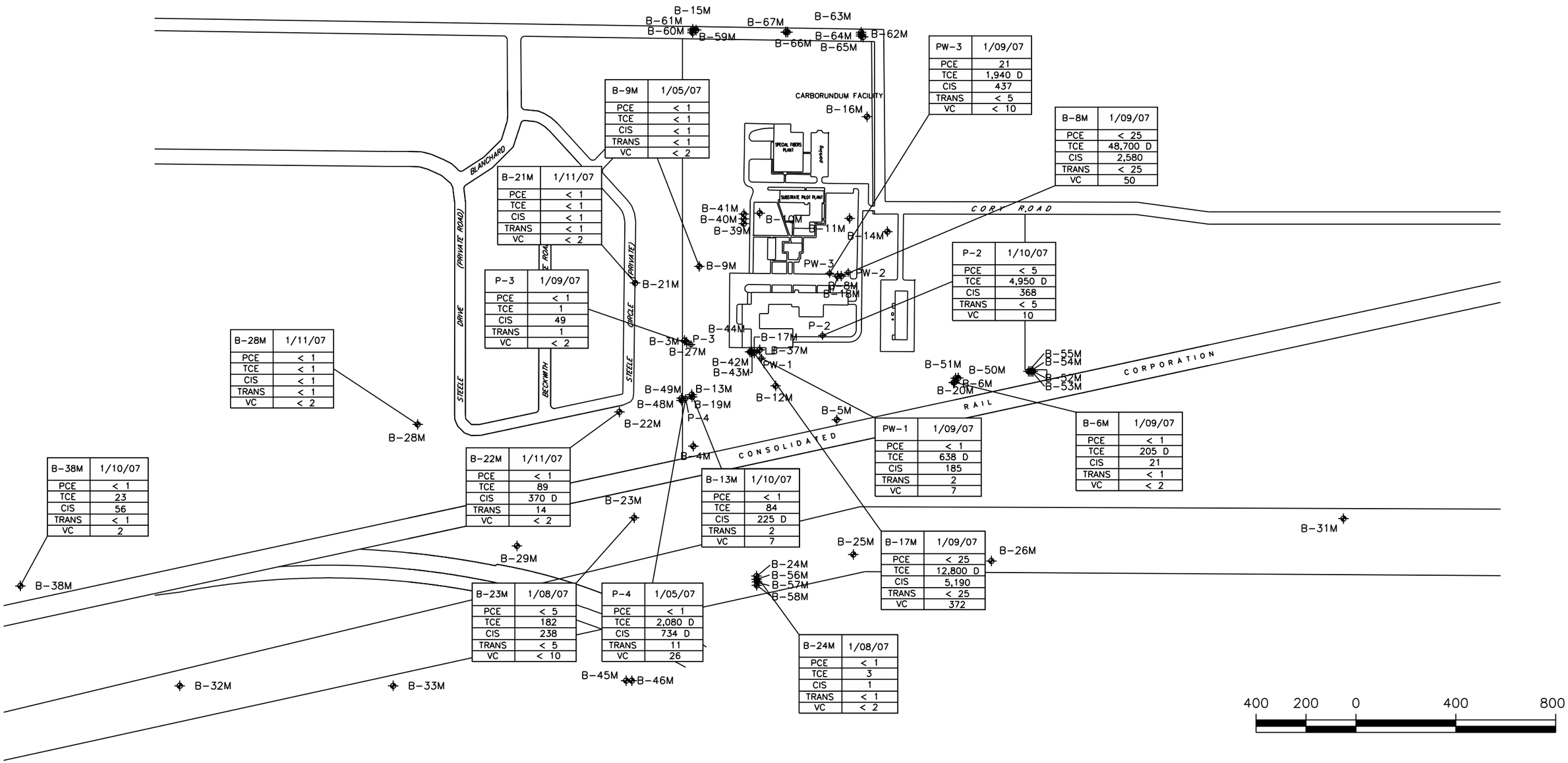
Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	7/5/07	11:50	619.67	7.25	1.74	59.8	15.16	Pumping well
P-3	7/5/07	13:20	627.35	7.61	1.38	58.2	8.38	Pumping well
P-4	7/5/07	13:40	624.45	7.56	1.02	60.9	10.12	Pumping well
PW-1	7/5/07	14:00	619.78	7.55	0.89	60.9	7.56	Pumping well
PW-3	7/5/07	11:30	618.28	7.26	0.84	62.9	4.57	Pumping well
B3-M	7/9/07	14:15	625.59	7.39	1.02	56.7	53.4	
B4-M	7/9/07	13:25	622.24	8.05	1.72	63.8	4.01	
B5-M	7/9/07	12:55	620.83	7.82	0.66	57.6	171	
B-6M	7/11/07	15:25	615.69	7.44	0.93	54.3	170	
B-7M	7/10/07	9:30	616.22	7.51	0.79	55.8	1100	rusty color
B-8M	7/16/07	15:40	618.57	7.25	1.83	57.2	500	
B-9M	7/10/07	11:20	623.03	7.49	0.71	57.4	34.4	
B-10M	7/10/07	12:00	622.07	7.41	1.52	57.7	50.4	
B-11M	7/16/07	15:10	622.81	7.30	2.07	56.8	90	
B-12M	7/9/07	12:25	622.17	7.4	0.78	59.2	658	cloudy
B-13M	7/12/07	15:10	618.69	7.56	0.95	56.7	27	
B-14M	7/10/07	8:55	618.25	7.32	1.62	55.4	435	cloudy
B-15M	7/17/07	10:00	623.98	7.35	1.04	52.7	40	
B-16M	7/18/07	9:50	626.08	7.3	0.83	51.9	80.7	
B-17M	7/16/07	11:30	626.01	7.33	1.69	54.7	250	
B-18M	7/5/07	14:35	622.56	7.49	1.37	57.2	15.6	
B-19M	7/10/07	10:30	617.71	7.61	1.18	56.8	9.45	clear
B-20M	7/11/07	13:40	622.62	7.51	1.50	53.4	7.7	
B-21M	7/18/07	13:25	618.31	7.23	0.98	55.0	135	
B-22M	7/18/07	14:10	619.35	7.26	1.21	56.1	22.1	
B-23M	7/11/07	9:55	609.81	7.57	1.10	56.4	45	
B-24M	7/11/07	12:20	626.12	7.40	1.15	51.9	60	
B-26M	7/18/07	11:00	618.06	7.46	0.95	51.8	40.8	
B-28M	7/15/07	12:25	622.62	7.45	1.10	54.4	97.2	
B-29M	7/11/07	9:10	618.31	7.41	1.10	53.8	80	
B-31M	7/18/07	11:45	613.78	7.90	0.74	53.8	15.2	
B-32M	7/10/07	15:00	619.35	7.51	1.32	54.9	140	
B-33M	7/10/07	13:45	612.43	7.26	1.19	56.1	110	
B-38M	7/18/07	14:50	609.81	7.32	1.11	55.1	142	
B-39M	7/10/07	14:35	626.12	7.31	0.80	55.1	35	
B-40M	7/16/07	14:00	626.23	7.54	1.20	53.4	18	
B-41M	7/16/07	13:05	626.31	7.70	1.12	55.2	23	
B-42M	7/10/07	10:55	623.76	7.51	0.84	56.9	13	
B-43M	7/16/07	11:05	623.64	7.40	1.12	57.1	7.3	
B-44M	7/16/07	10:15	623.29	7.30	2.49	55.3	65	
B-45M	7/10/07	14:20	612.12	7.59	1.90	59.5	1100	
B-46M	7/10/07	13:05	613.46	7.54	1.20	55.0	55	
B-48M	7/12/07	13:00	625.40	7.57	0.86	55.0	24	
B-49M	7/12/07	14:30	625.56	7.36	2.77	53.3	40	
B-50M	7/12/07	11:50	616.47	7.59	0.77	54.5	21	
B-51M	7/11/07	14:50	616.48	8.11	0.69	55.7	3.3	
B-52M	7/12/07	11:05	616.26	7.84	1.21	55.0	1100	
B-53M	7/12/07	10:25	616.14	7.69	0.93	56.1	17	
B-54M	7/12/07	10:55	616.00	11.82	1.12	51.0	8.0	
B-55M	7/12/07	9:55	615.59	8.3	3.56	53.7	21	
B-56M	7/11/07	11:40	617.78	7.85	0.91	52.7	100	
B-57M	7/11/07	11:00	617.80	7.55	2.21	55.2	85	
B-58M	7/11/07	10:45	617.99	7.5	1.38	58.7	7.4	
B-59M	7/17/07	9:40	625.53	7.34	2.54	51.6	50	
B-60M	7/17/07	11:20	625.67	7.33	1.82	52.4	26	
B-61M	7/17/07	10:30	625.72	8.0	0.73	52.5	140	
B-62M	7/17/07	13:40	623.89	7.3	2.95	53.8	7	
B-63M	7/18/07	8:50	624.14	7.26	2.46	52.4	189	
B-64M	7/17/07	15:00	623.95	7.50	0.84	53.3	8.81	
B-65M	7/17/07	14:30	626.23	11.20	1.60	53.5	197	
B-66M	7/17/07	11:45	626.31	8.65	0.66	51.6	65	
B-67M	7/17/07	12:05	623.76	7.4	0.90	52.7	80	

TABLE 8
MONITORING WELL GROUNDWATER SAMPLING DATA - OCTOBER 2007
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	10/10/07	1210	619.67	7.11	1.69	61.9	10	
P-3	10/10/07	1400	627.35	7.5	1.56	54.9	2.4	
P-4	10/9/07	1200	624.45	7.27	1.09	56.5	4.9	
PW-1	10/9/07	1415	619.78	7.20	1.06	57.8	4.2	
PW-3	10/9/07	1005	618.28	7.45	0.63	67.5	3.4	
B-6M	10/10/07	1155	615.69	7.13	0.97	54.5	100	
B-8M	10/9/07	955	618.57	6.95	1.89	61.0	140	
B-9M	10/9/07	1430	623.03	7.26	0.84	57.5	340	
B-10M	10/9/07	1500	622.07	7.15	1.70	60.4	26	
B-13M	10/9/07	1150	618.69	7.17	1.06	55.8	25	
B-17M	10/9/07	1325	626.01	7.09	1.19	58.5	150	
B-19M	10/9/07	1120	617.71	7.44	1.24	55.0	35	
B-21M	10/11/07	1145	618.31	6.99	1.04	56.2	950	
B-22M	10/11/07	1105	619.35	7.24	1.26	54.7	7.2	
B-23M	10/10/07	1120	609.81	7.20	1.09	53.0	11	
B-24M	10/10/07	1030	626.12	7.13	1.30	54.6	26	
B-28M	10/11/07	1025	622.62	7.05	1.21	53.3	200	
B-38M	10/11/07	930	609.81	7.08	1.16	51.8	240	
B-39M	10/15/07	1120	626.12	7.07	0.96	54.5	31	
B-40M	10/15/07	1035	626.23	7.03	1.44	52.8	19	
B-41M	10/15/07	950	626.31	7.44	1.43	53.0	17	
B-42M	10/9/07	1356	623.76	7.37	0.91	58.2	1.8	
B-43M	10/10/07	1500	623.64	7.23	1.50	54.4	4.6	
B-44M	10/10/07	1455	623.29	7.13	2.56	54.7	32	
B-48M	10/11/07	1320	625.40	7.34	0.88	53.2	19	
B-49M	10/11/07	1500	625.56	6.94	2.75	53.2	50	
B-56M	10/10/07	940	617.78	7.5	1.28	53.9	45	
B-57M	10/10/07	1040	617.80	7.10	2.17	53.3	20	
Quarry Pond	10/11/07	844		7.53	2.78	55.2	5.7	

APPENDIX A
VOC ANALYTICAL SUMMARY PLOTS AND GROUNDWATER ELEVATION CONTOUR MAPS – 2007

WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-9M	1/05/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

PW-3	1/09/07
PCE	21
TCE	1,940 D
CIS	437
TRANS	< 5
VC	< 10

B-8M	1/09/07
PCE	< 25
TCE	48,700 D
CIS	2,580
TRANS	< 25
VC	50

B-21M	1/11/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

P-3	1/09/07
PCE	< 1
TCE	1
CIS	49
TRANS	1
VC	< 2

P-2	1/10/07
PCE	< 5
TCE	4,950 D
CIS	368
TRANS	< 5
VC	10

B-28M	1/11/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-38M	1/10/07
PCE	< 1
TCE	23
CIS	56
TRANS	< 1
VC	2

B-22M	1/11/07
PCE	< 1
TCE	89
CIS	370 D
TRANS	14
VC	< 2

B-13M	1/10/07
PCE	< 1
TCE	84
CIS	225 D
TRANS	2
VC	7

PW-1	1/09/07
PCE	< 1
TCE	638 D
CIS	185
TRANS	2
VC	7

B-6M	1/09/07
PCE	< 1
TCE	205 D
CIS	21
TRANS	< 1
VC	< 2

B-17M	1/09/07
PCE	< 25
TCE	12,800 D
CIS	5,190
TRANS	< 25
VC	372

B-23M	1/08/07
PCE	< 5
TCE	182
CIS	238
TRANS	< 5
VC	< 10

P-4	1/05/07
PCE	< 1
TCE	2,080 D
CIS	734 D
TRANS	11
VC	26

B-24M	1/08/07
PCE	< 1
TCE	3
CIS	1
TRANS	< 1
VC	< 2

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 3

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
TOP OF ROCK AND ZONE 1
JANUARY 2007 QUARTERLY SAMPLING EVENT

P:\\442951\cad\\442951-c3.dwg, JR, 1=1
No XREFs

WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

B-41M	1/09/07
PCE	< 1
TCE	1
CIS	4
TRANS	< 1
VC	< 2

B-40M	1/05/07
PCE	< 1
TCE	3
CIS	6
TRANS	< 1
VC	< 2

B-39M	1/09/07
PCE	< 1
TCE	7
CIS	2
TRANS	< 1
VC	< 2

B-44M	1/10/07
PCE	< 1
TCE	10
CIS	5
TRANS	< 1
VC	6

B-42M	1/10/07
PCE	< 1
TCE	2
CIS	3
TRANS	< 1
VC	< 2

B-43M	1/10/07
PCE	< 1
TCE	5
CIS	12
TRANS	< 1
VC	4

B-38M	1/10/07
PCE	< 1
TCE	23
CIS	56
TRANS	< 1
VC	2

B-49M	1/05/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-48M	1/05/07
PCE	< 1
TCE	2
CIS	< 1
TRANS	< 1
VC	< 2

B-19M	1/08/07
PCE	< 1
TCE	< 1
CIS	3
TRANS	< 1
VC	< 2

B-56M	1/08/07
PCE	< 1
TCE	13
CIS	3
TRANS	< 1
VC	< 2

B-57M	1/08/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

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

400 200 0 400 800

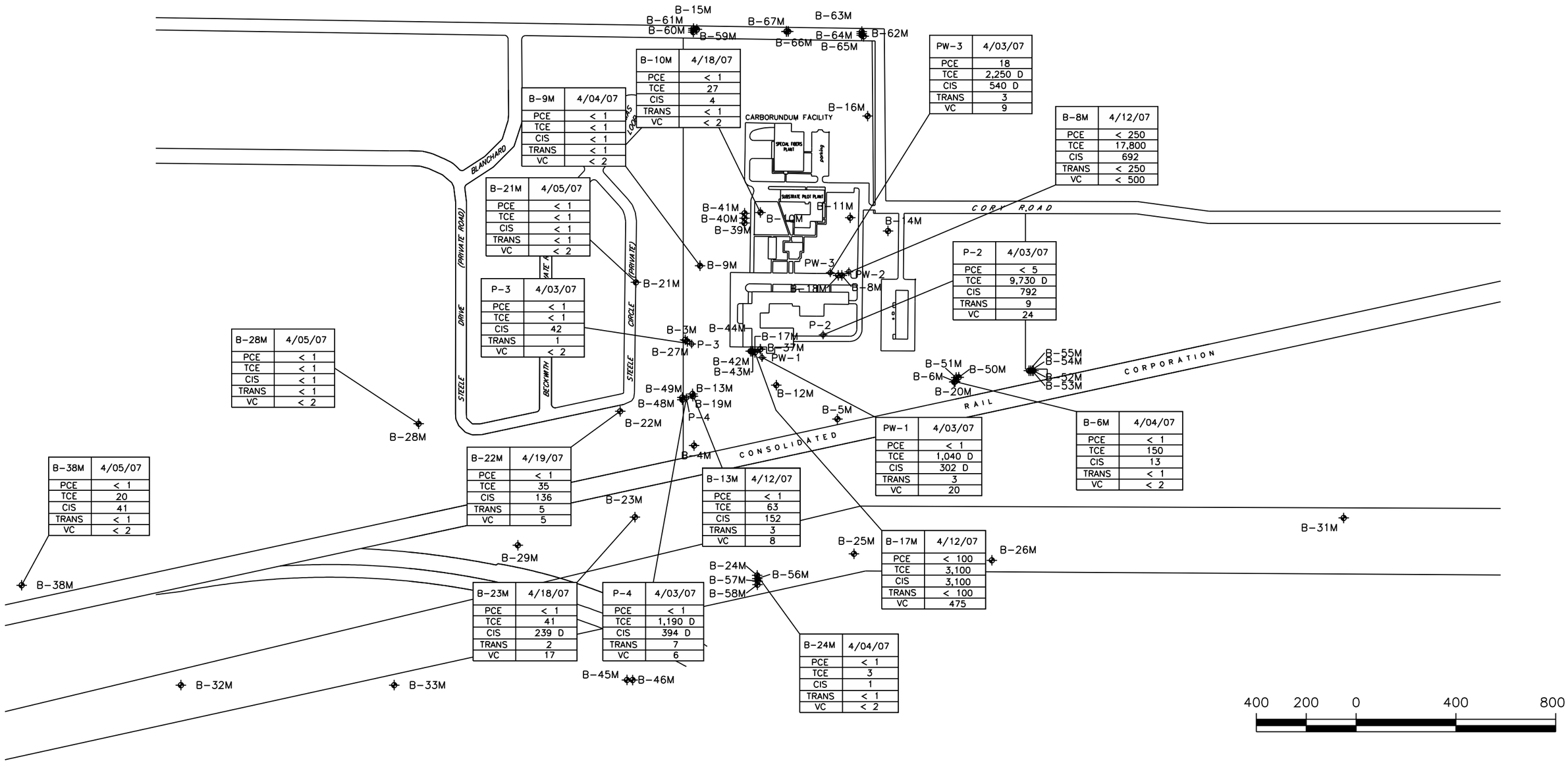
FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONE 2, 3, 4, AND 5
JANUARY 2007 QUARTERLY SAMPLING EVENT

PARSONS
40 LA RIVIERE DRIVE
BUFFALO, NEW YORK 14202
716-541-0730

P:\\442951\cad\\442951-c4.dwg, JR, 1=1
No XREFs

WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-10M	4/18/07
PCE	< 1
TCE	27
CIS	4
TRANS	< 1
VC	< 2

B-9M	4/04/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

PW-3	4/03/07
PCE	18
TCE	2,250 D
CIS	540 D
TRANS	3
VC	9

B-8M	4/12/07
PCE	< 250
TCE	17,800
CIS	692
TRANS	< 250
VC	< 500

B-21M	4/05/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

P-3	4/03/07
PCE	< 1
TCE	< 1
CIS	42
TRANS	1
VC	< 2

P-2	4/03/07
PCE	< 5
TCE	9,730 D
CIS	792
TRANS	9
VC	24

B-28M	4/05/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

PW-1	4/03/07
PCE	< 1
TCE	1,040 D
CIS	302 D
TRANS	3
VC	20

B-6M	4/04/07
PCE	< 1
TCE	150
CIS	13
TRANS	< 1
VC	< 2

B-22M	4/19/07
PCE	< 1
TCE	35
CIS	136
TRANS	5
VC	5

B-13M	4/12/07
PCE	< 1
TCE	63
CIS	152
TRANS	3
VC	8

B-38M	4/05/07
PCE	< 1
TCE	20
CIS	41
TRANS	< 1
VC	< 2

B-17M	4/12/07
PCE	< 100
TCE	3,100
CIS	3,100
TRANS	< 100
VC	475

B-23M	4/18/07
PCE	< 1
TCE	41
CIS	239 D
TRANS	2
VC	17

P-4	4/03/07
PCE	< 1
TCE	1,190 D
CIS	394 D
TRANS	7
VC	6

B-24M	4/04/07
PCE	< 1
TCE	3
CIS	1
TRANS	< 1
VC	< 2

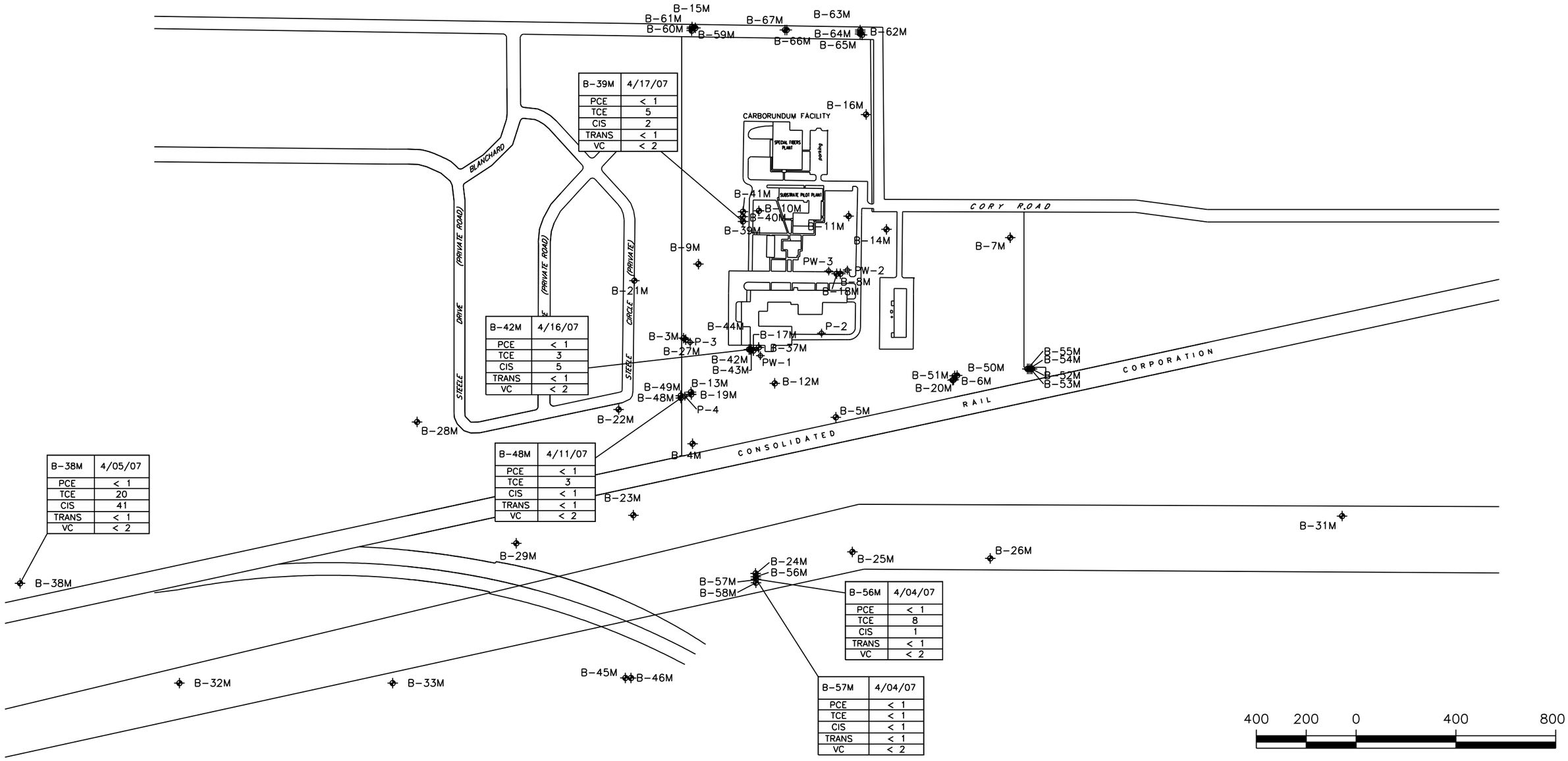
PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 3

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
TOP OF ROCK AND ZONE 1
APRIL 2007 QUARTERLY SAMPLING EVENT

P:\\442951\cad\\442951-c3.dwg, JR, 1=1
No XREFs

WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-39M	4/17/07
PCE	< 1
TCE	5
CIS	2
TRANS	< 1
VC	< 2

B-42M	4/16/07
PCE	< 1
TCE	3
CIS	5
TRANS	< 1
VC	< 2

B-48M	4/11/07
PCE	< 1
TCE	3
CIS	< 1
TRANS	< 1
VC	< 2

B-38M	4/05/07
PCE	< 1
TCE	20
CIS	41
TRANS	< 1
VC	< 2

B-56M	4/04/07
PCE	< 1
TCE	8
CIS	1
TRANS	< 1
VC	< 2

B-57M	4/04/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

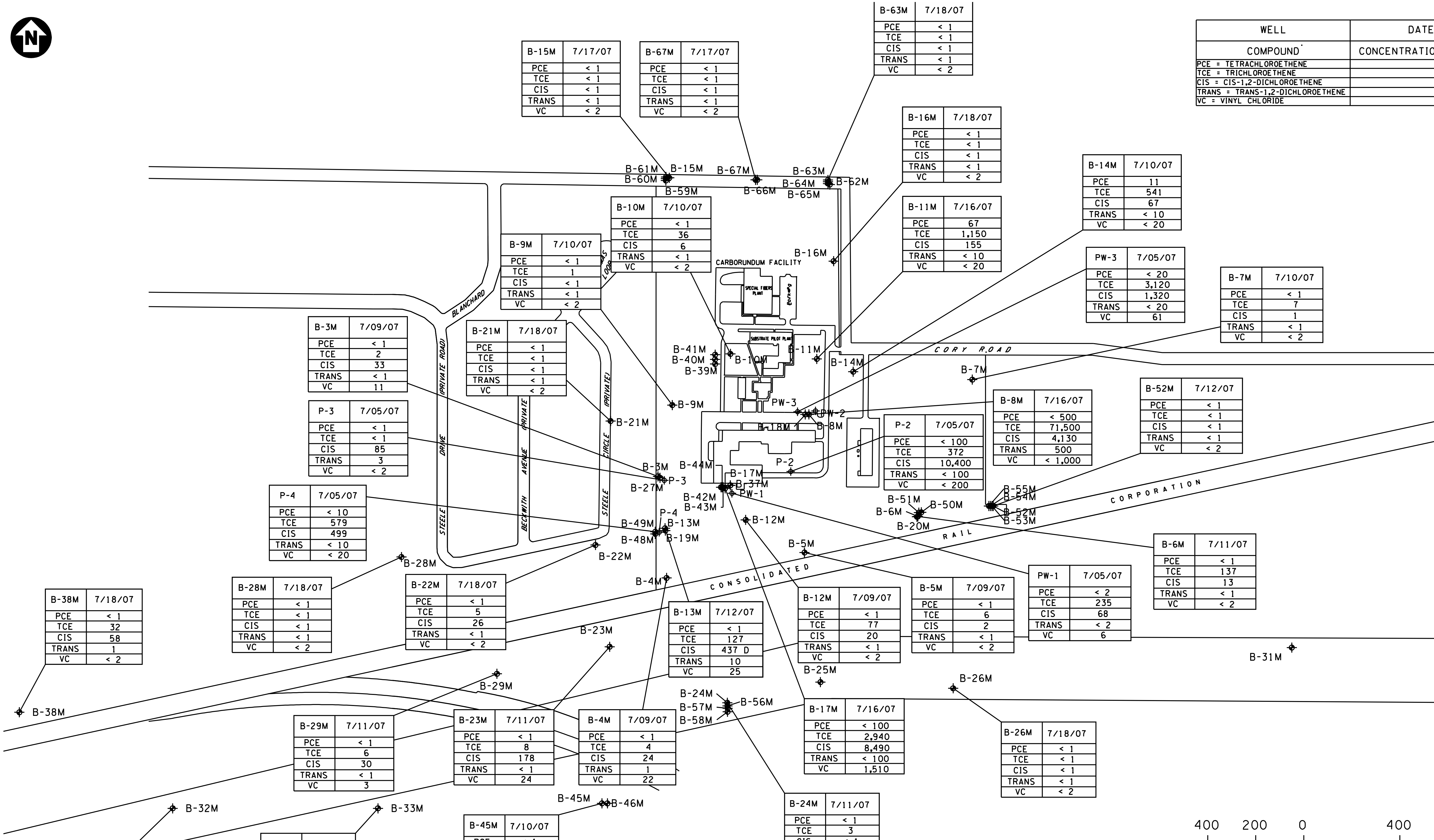
PARSONS
40 LA RIVIERE DRIVE
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONE 2, 3, 4, AND 5
APRIL 2007 QUARTERLY SAMPLING EVENT

P:\\442951\cad\\442951-c4.dwg, JR, 1=1
No XREFs

WELL	DATE
COMPOUND	CONCENTRATION (µg/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-15M	7/17/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-67M	7/17/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-63M	7/18/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-16M	7/18/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-14M	7/10/07
PCE	11
TCE	541
CIS	67
TRANS	< 10
VC	< 20

B-11M	7/16/07
PCE	67
TCE	1,150
CIS	155
TRANS	< 10
VC	< 20

B-10M	7/10/07
PCE	< 1
TCE	36
CIS	6
TRANS	< 1
VC	< 2

B-9M	7/10/07
PCE	< 1
TCE	1
CIS	< 1
TRANS	< 1
VC	< 2

PW-3	7/05/07
PCE	< 20
TCE	3,120
CIS	1,320
TRANS	< 20
VC	61

B-7M	7/10/07
PCE	< 1
TCE	7
CIS	1
TRANS	< 1
VC	< 2

B-3M	7/09/07
PCE	< 1
TCE	2
CIS	33
TRANS	< 1
VC	11

B-21M	7/18/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

P-3	7/05/07
PCE	< 1
TCE	< 1
CIS	85
TRANS	3
VC	< 2

B-8M	7/16/07
PCE	< 500
TCE	71,500
CIS	4,130
TRANS	500
VC	< 1,000

B-52M	7/12/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

P-2	7/05/07
PCE	< 100
TCE	372
CIS	10,400
TRANS	< 100
VC	< 200

P-4	7/05/07
PCE	< 10
TCE	579
CIS	499
TRANS	< 10
VC	< 20

B-6M	7/11/07
PCE	< 1
TCE	137
CIS	13
TRANS	< 1
VC	< 2

PW-1	7/05/07
PCE	< 2
TCE	235
CIS	68
TRANS	< 2
VC	6

B-38M	7/18/07
PCE	< 1
TCE	32
CIS	58
TRANS	1
VC	< 2

B-28M	7/18/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-22M	7/18/07
PCE	< 1
TCE	5
CIS	26
TRANS	< 1
VC	< 2

B-13M	7/12/07
PCE	< 1
TCE	127
CIS	437 D
TRANS	10
VC	25

B-12M	7/09/07
PCE	< 1
TCE	77
CIS	20
TRANS	< 1
VC	< 2

B-5M	7/09/07
PCE	< 1
TCE	6
CIS	2
TRANS	< 1
VC	< 2

B-26M	7/18/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-17M	7/16/07
PCE	< 100
TCE	2,940
CIS	8,490
TRANS	< 100
VC	1,510

B-29M	7/11/07
PCE	< 1
TCE	6
CIS	30
TRANS	< 1
VC	3

B-23M	7/11/07
PCE	< 1
TCE	8
CIS	178
TRANS	< 1
VC	24

B-4M	7/09/07
PCE	< 1
TCE	4
CIS	24
TRANS	1
VC	22

B-24M	7/11/07
PCE	< 1
TCE	3
CIS	< 1
TRANS	< 1
VC	< 2

B-45M	7/10/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-32M	7/10/07
PCE	< 1
TCE	< 1
CIS	28
TRANS	< 1
VC	5

B-33M	7/10/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 3

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
TOP OF ROCK AND ZONE 1
JULY 2007 QUARTERLY SAMPLING EVENT

WELL	DATE
COMPOUND	CONCENTRATION (±g/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

B-61M	7/17/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-66M	7/17/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-64M	7/17/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-39M	7/16/07
PCE	< 1
TCE	1
CIS	4
TRANS	< 1
VC	< 2

B-42M	7/16/07
PCE	< 1
TCE	2
CIS	3
TRANS	< 1
VC	< 2

B-50M	7/12/07
PCE	< 1
TCE	69
CIS	19
TRANS	< 1
VC	< 2

B-53M	7/12/07
PCE	< 1
TCE	2
CIS	2
TRANS	< 1
VC	< 2

B-38M	7/18/07
PCE	< 1
TCE	32
CIS	58
TRANS	1
VC	< 2

B-29M	7/11/07
PCE	< 1
TCE	6
CIS	30
TRANS	< 1
VC	3

B-48M	7/12/07
PCE	< 1
TCE	2
CIS	< 1
TRANS	< 1
VC	< 2

B-56M	7/11/07
PCE	< 1
TCE	16
CIS	3
TRANS	< 1
VC	< 2

B-57M	7/11/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

B-46M	7/10/07
PCE	< 1
TCE	5
CIS	33
TRANS	< 1
VC	2

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

BLANCHARD (PRIVATE ROAD) DRIVE
STEELE (PRIVATE ROAD) CIRCLE
CORY ROAD
CORPORATION RAIL CONSOLIDATED

400 200 0 400 800

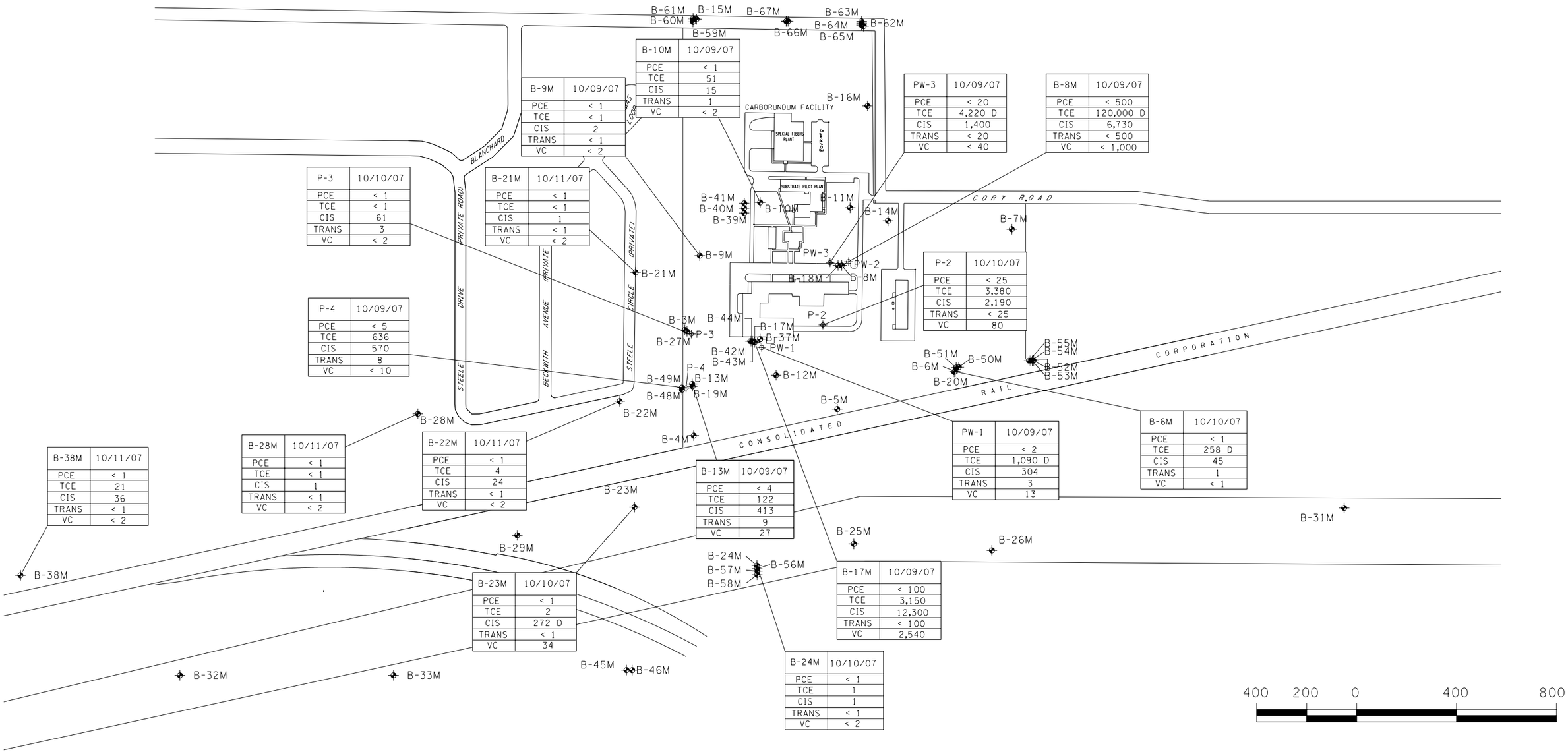
PARSONS
40 LA RIVIERE DRIVE
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONES 2, 3, 4, AND 5
JULY 2007 QUARTERLY SAMPLING EVENT

P:\\442951\Ca0\\442951-C4.0xg, JR, 1=1
Na XREFm²

WELL	DATE
COMPOUND	CONCENTRATION (±g/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-10M	10/09/07
PCE	< 1
TCE	51
CIS	15
TRANS	1
VC	< 2

B-9M	10/09/07
PCE	< 1
TCE	< 1
CIS	2
TRANS	< 1
VC	< 2

PW-3	10/09/07
PCE	< 20
TCE	4,220 D
CIS	1,400
TRANS	< 20
VC	< 40

B-8M	10/09/07
PCE	< 500
TCE	120,000 D
CIS	6,730
TRANS	< 500
VC	< 1,000

P-3	10/10/07
PCE	< 1
TCE	< 1
CIS	61
TRANS	3
VC	< 2

B-21M	10/11/07
PCE	< 1
TCE	< 1
CIS	1
TRANS	< 1
VC	< 2

P-2	10/10/07
PCE	< 25
TCE	3,380
CIS	2,190
TRANS	< 25
VC	80

P-4	10/09/07
PCE	< 5
TCE	636
CIS	570
TRANS	8
VC	< 10

PW-1	10/09/07
PCE	< 2
TCE	1,090 D
CIS	304
TRANS	3
VC	13

B-6M	10/10/07
PCE	< 1
TCE	258 D
CIS	45
TRANS	1
VC	< 1

B-38M	10/11/07
PCE	< 1
TCE	21
CIS	36
TRANS	< 1
VC	< 2

B-28M	10/11/07
PCE	< 1
TCE	< 1
CIS	1
TRANS	< 1
VC	< 2

B-22M	10/11/07
PCE	< 1
TCE	4
CIS	24
TRANS	< 1
VC	< 2

B-13M	10/09/07
PCE	< 4
TCE	122
CIS	413
TRANS	9
VC	27

B-23M	10/10/07
PCE	< 1
TCE	2
CIS	272 D
TRANS	< 1
VC	34

B-17M	10/09/07
PCE	< 100
TCE	3,150
CIS	12,300
TRANS	< 100
VC	2,540

B-24M	10/10/07
PCE	< 1
TCE	1
CIS	1
TRANS	< 1
VC	< 2

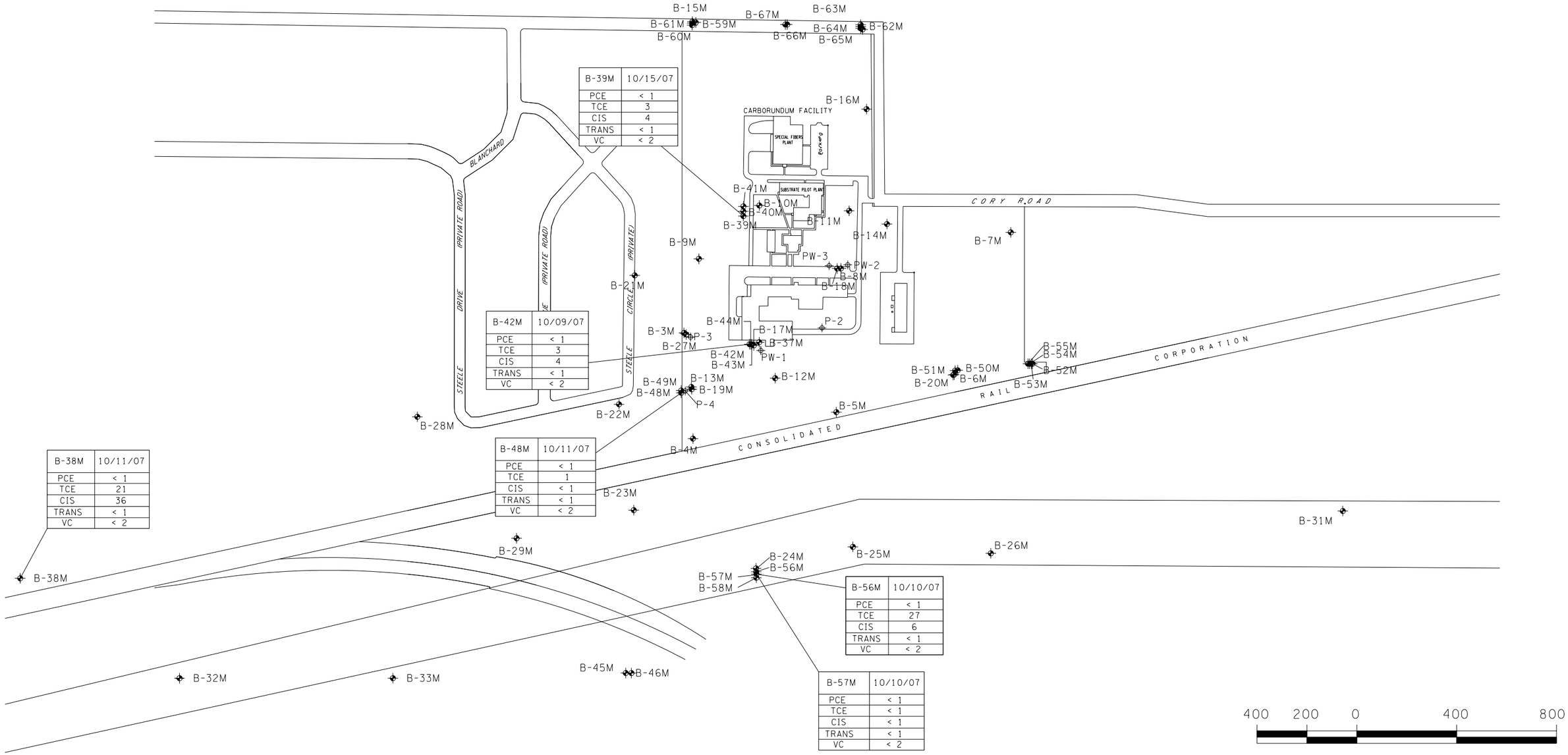
400 200 0 400 800

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 3
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
TOP OF ROCK AND ZONE 1
OCTOBER 2007 QUARTERLY SAMPLING EVENT

P:\\442951\Ç¤ø\\442951-Ç3.Ø≥g, JR, 1=1
N¤ XREFm²

WELL	DATE
COMPOUND	CONCENTRATION (±g/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	



B-39M	10/15/07
PCE	< 1
TCE	3
CIS	4
TRANS	< 1
VC	< 2

B-42M	10/09/07
PCE	< 1
TCE	3
CIS	4
TRANS	< 1
VC	< 2

B-48M	10/11/07
PCE	< 1
TCE	1
CIS	< 1
TRANS	< 1
VC	< 2

B-38M	10/11/07
PCE	< 1
TCE	21
CIS	36
TRANS	< 1
VC	< 2

B-56M	10/10/07
PCE	< 1
TCE	27
CIS	6
TRANS	< 1
VC	< 2

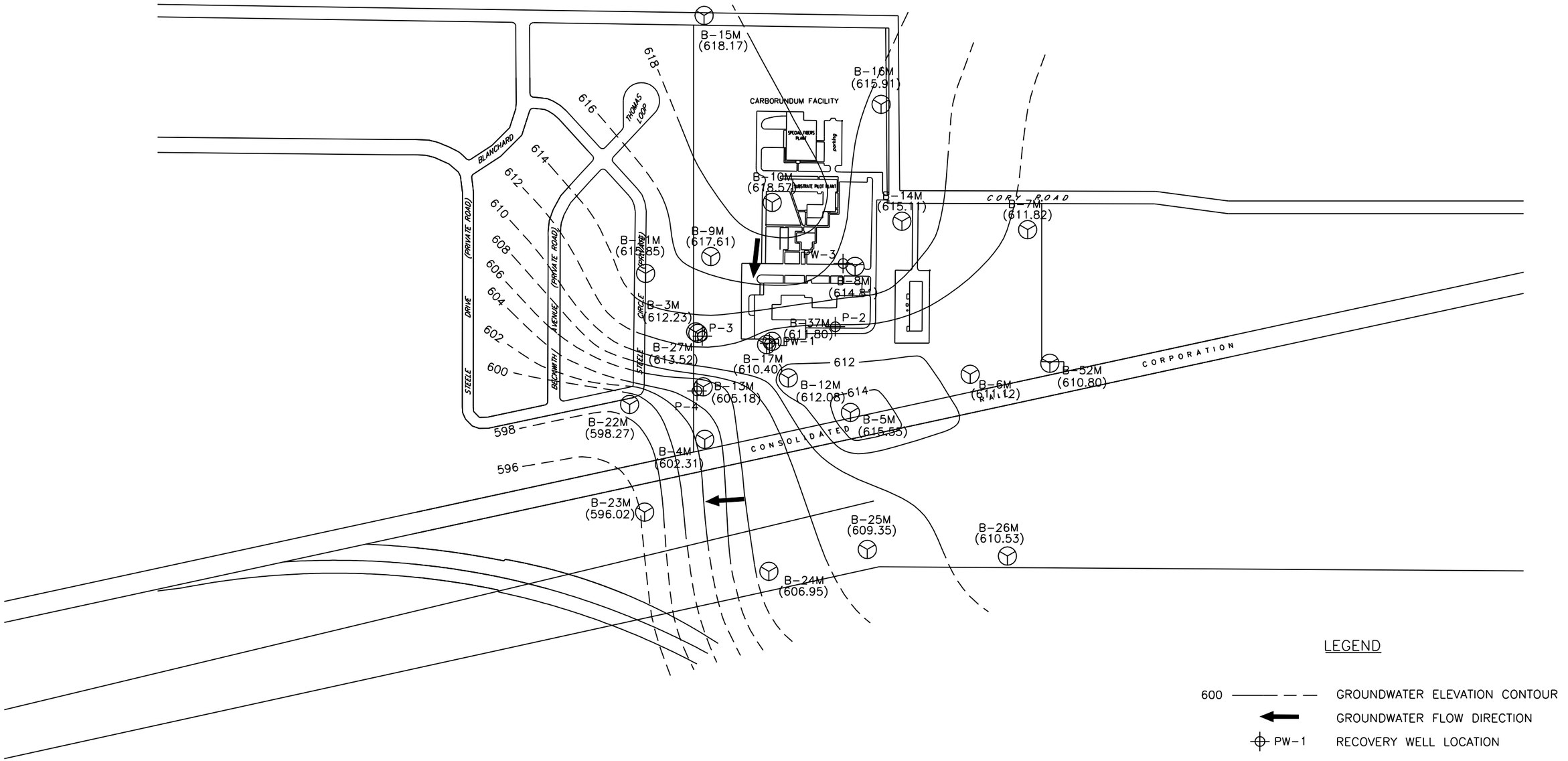
B-57M	10/10/07
PCE	< 1
TCE	< 1
CIS	< 1
TRANS	< 1
VC	< 2

PARSONS
40 LA RIVIERE DRIVE
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONES 2, 3, 4, AND 5
OCTOBER 2007 QUARTERLY SAMPLING EVENT

P:\\442951\Ca0\\442951-C4.0xg, JR, 1=1
No XREFm²



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.

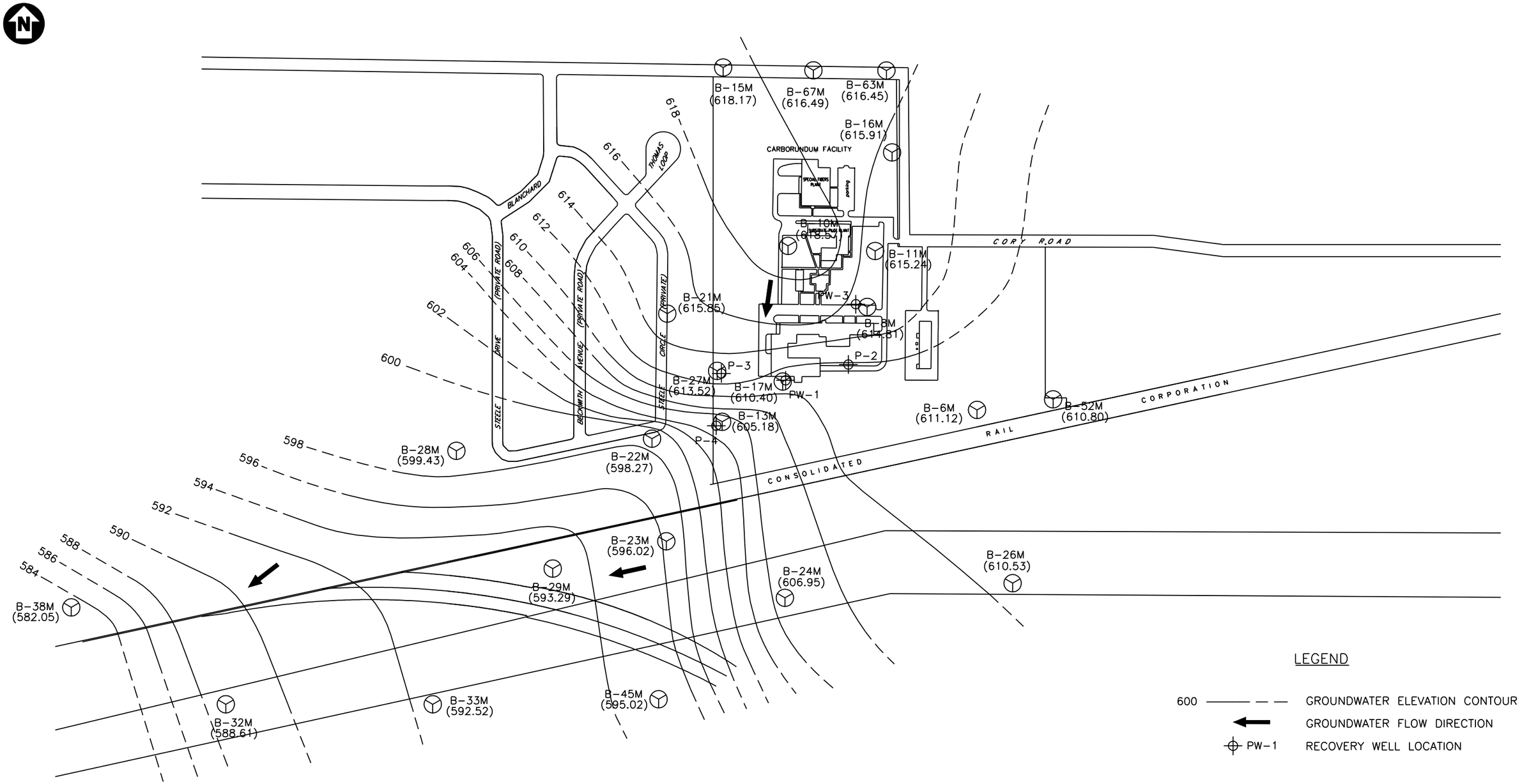
2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-JANUARY 2007

P:\\442951\cad\\442951-c5.dwg, mab, 1=1
No XREFs



LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

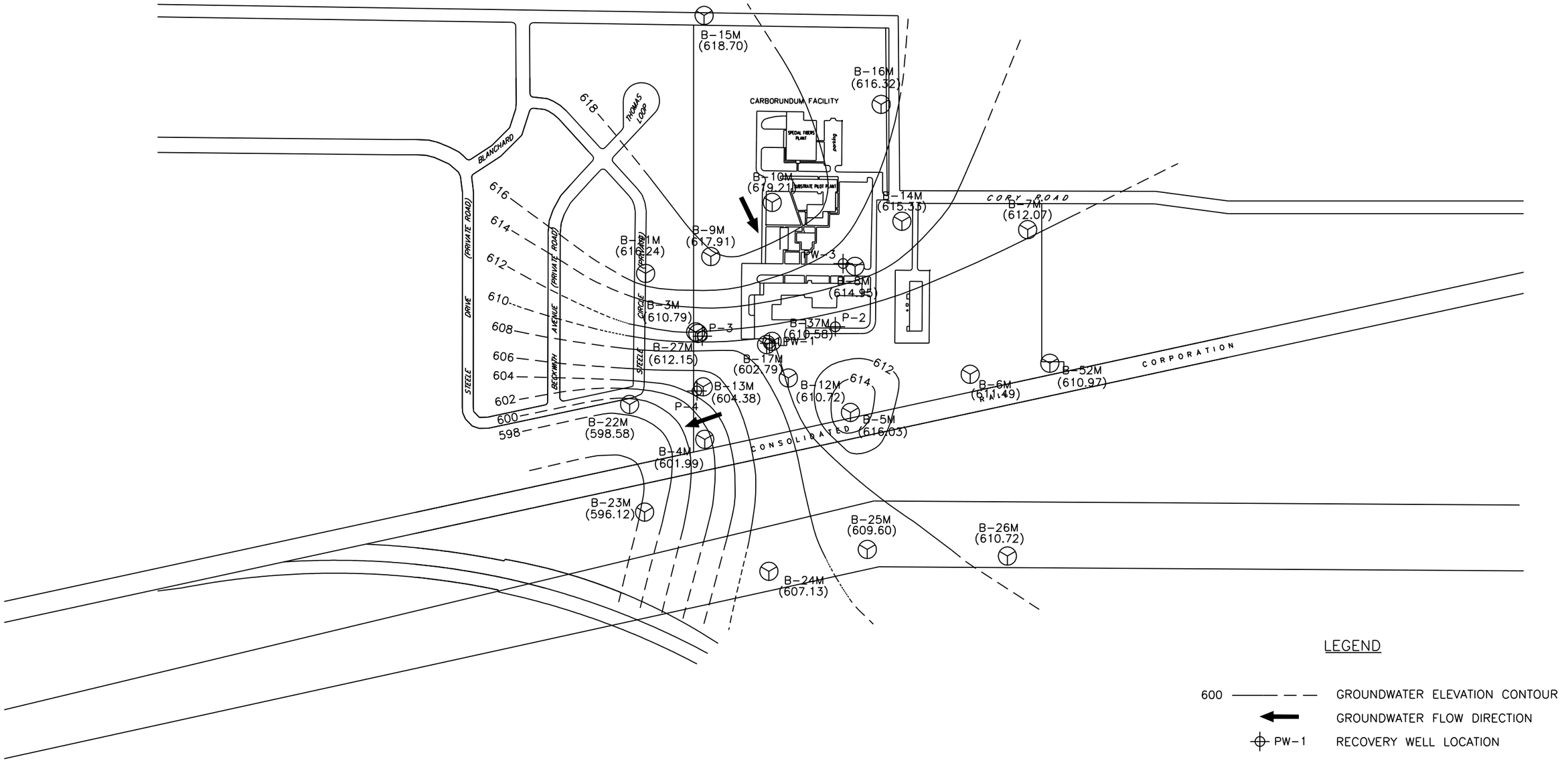
1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-JANUARY 2007

P:\\442951\cad\\442951-c6.dwg, JR, 1=1
No XREFs



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.

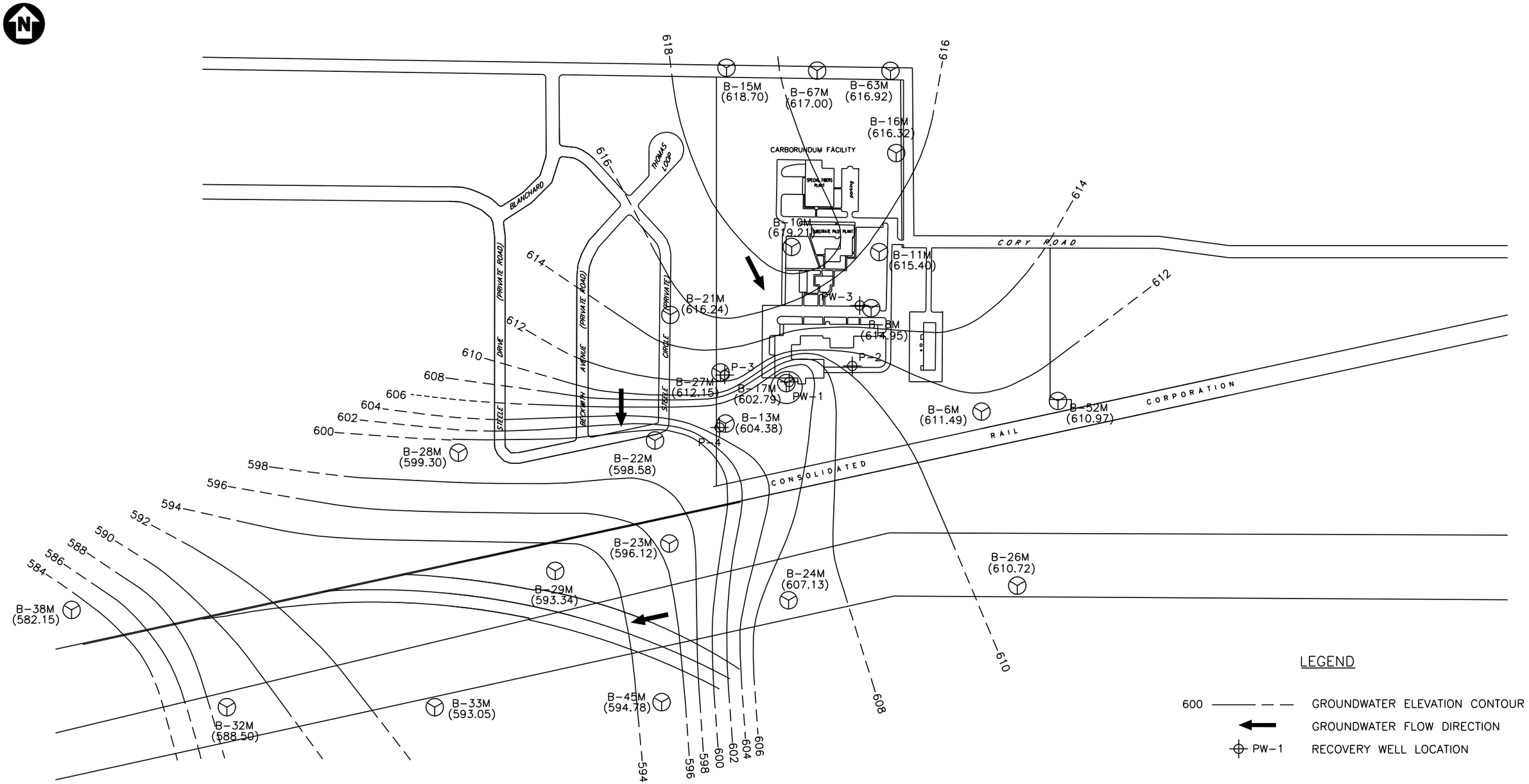
2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-APRIL 2007

P:\\442951\cad\\442951-c5.dwg, mab, 1=1
No XREFs



LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

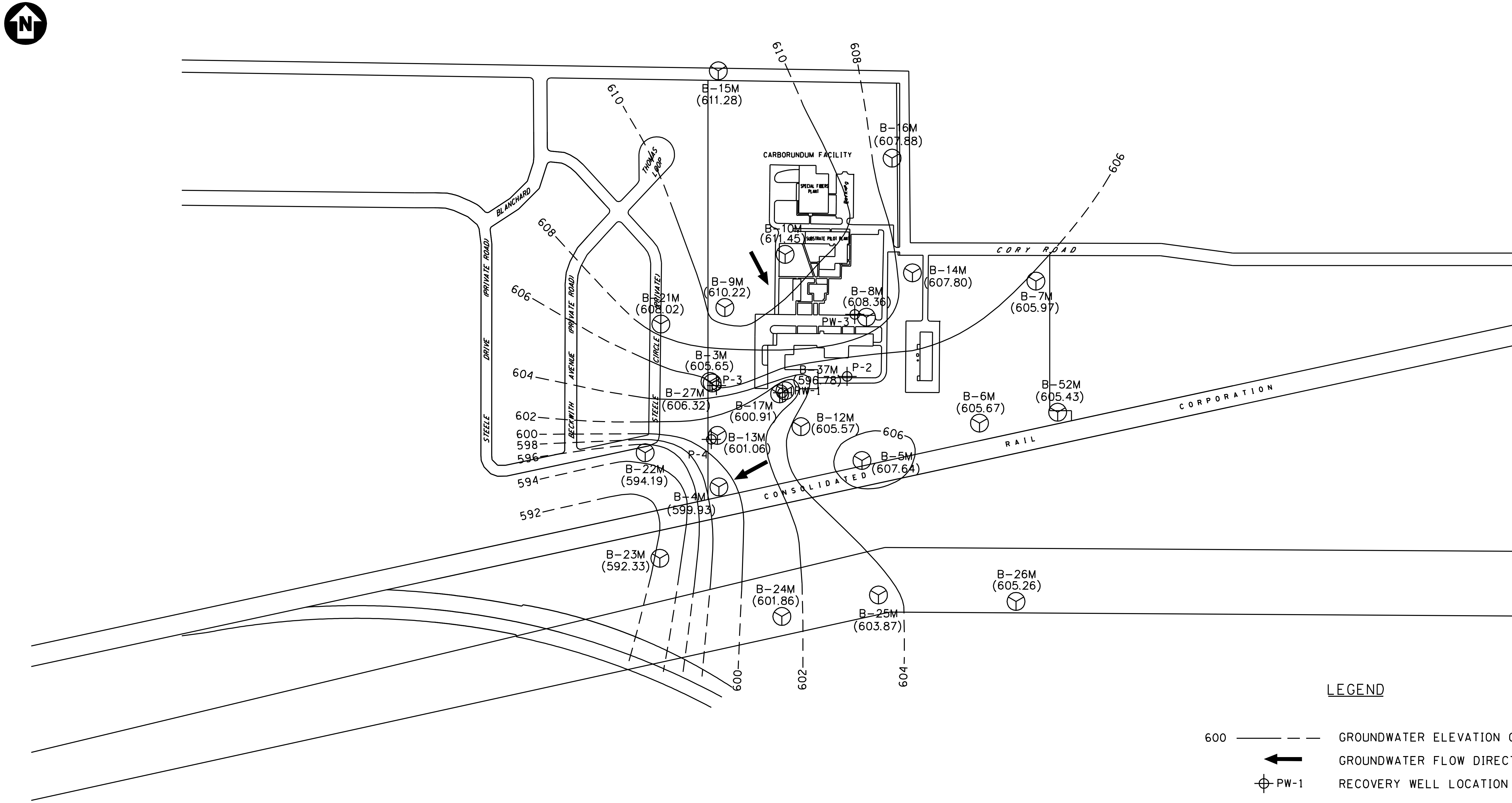
1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-APRIL 2007

P:\\442951\cad\\442951-c6.dwg, JR, 1=1
No XREFs



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.

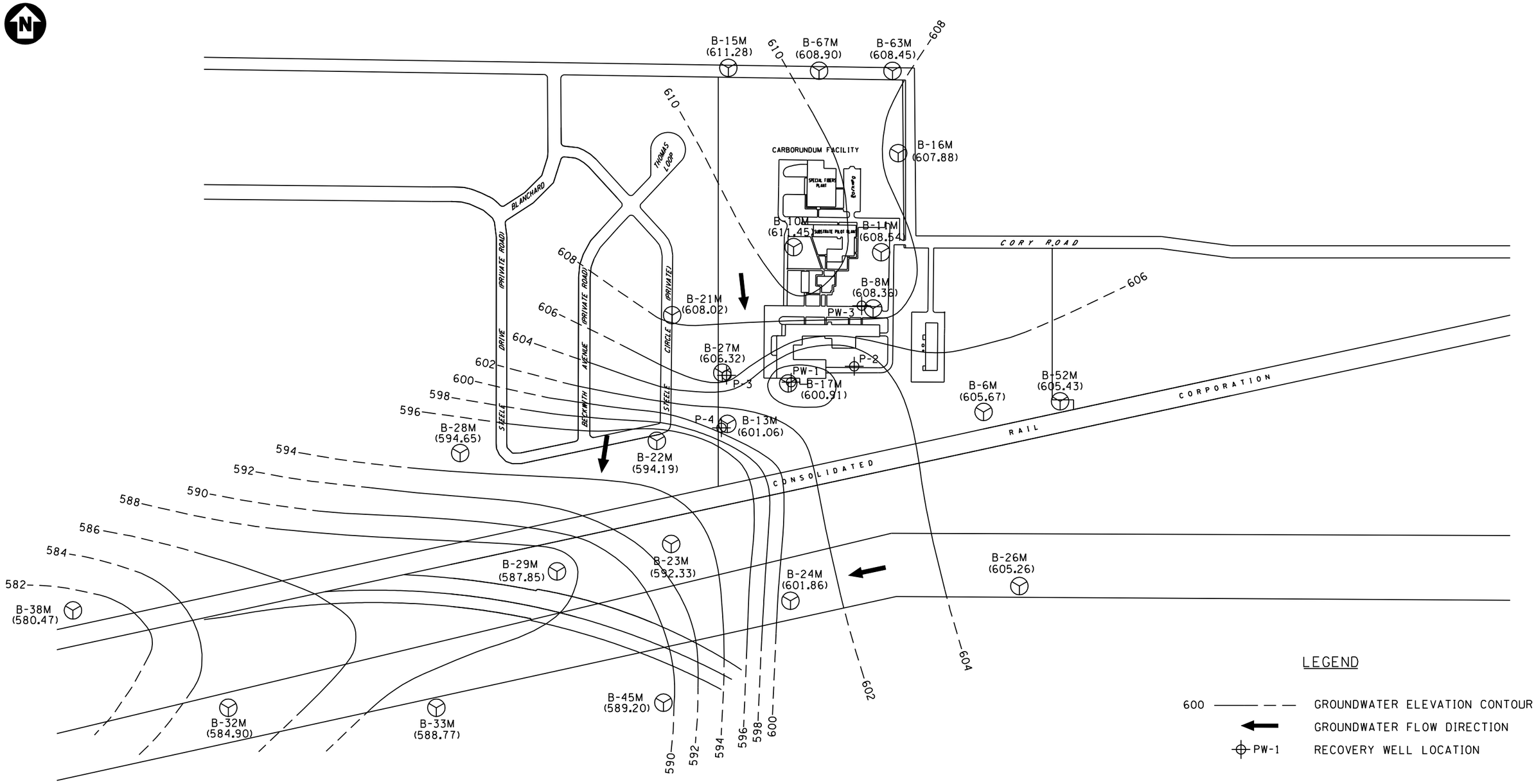
2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-JULY 2007

P:\\442951\...\\442951-...5..., 1=1
No XREFm²



LEGEND

600 GROUNDWATER ELEVATION CONTOUR

GROUNDWATER FLOW DIRECTION

PW-1 RECOVERY WELL LOCATION

400 200 0 400 800

NOTE:

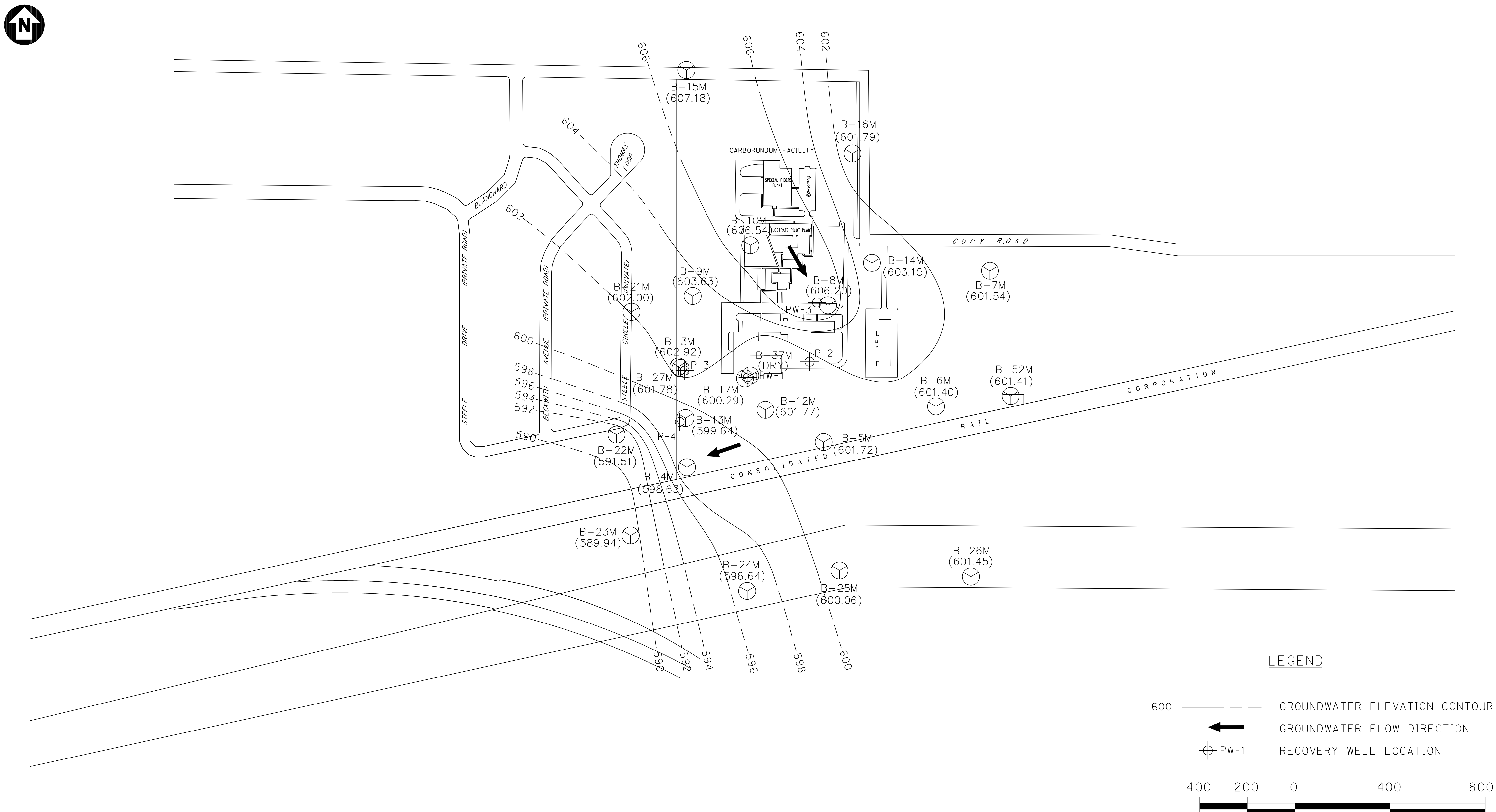
1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-JULY 2007

P:\\442951\Cad\\442951-C6.dwg, JR, 1=1
No XREFm²



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.

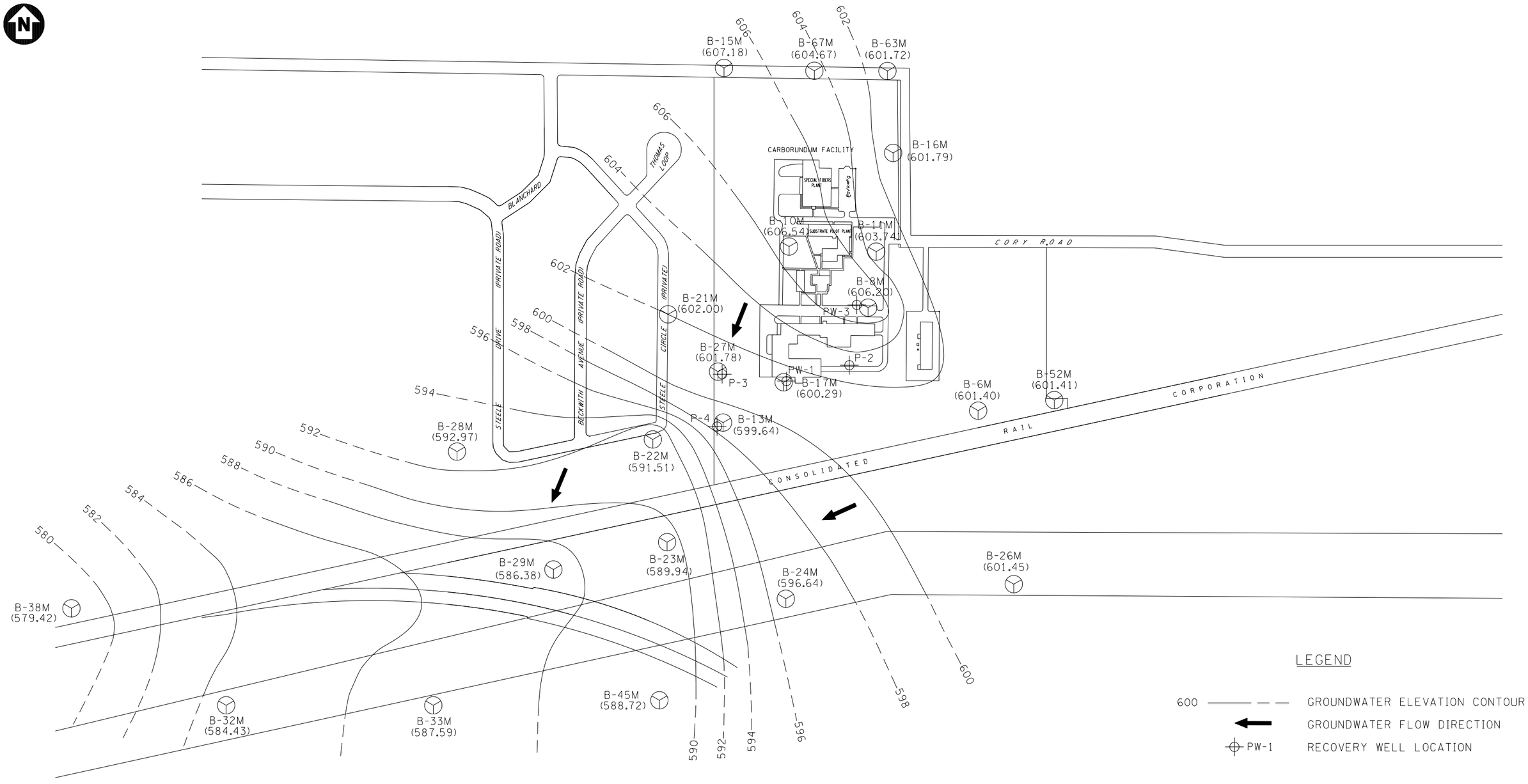
2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-OCTOBER 2007

P:\\442951\Ȼɑø\\442951-Ȼ5.ø≥g, mɑɃ, 1=1
Nɑ XREFm²



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
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 6

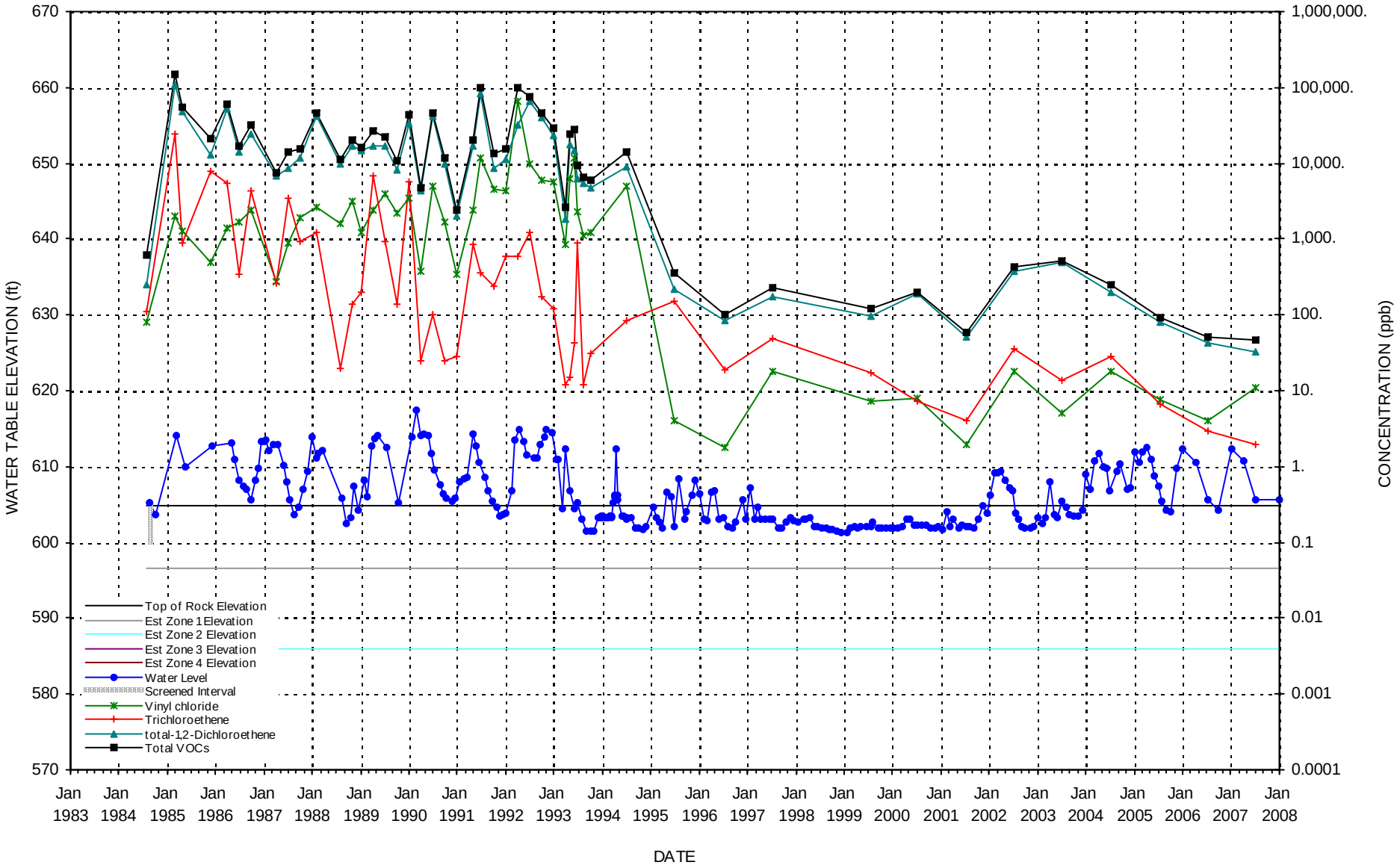
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1-OCTOBER 2007

P:\\442951\Ca0\\442951-C6.0 ag, JR, 1=1
No XREFm²

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

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 3M

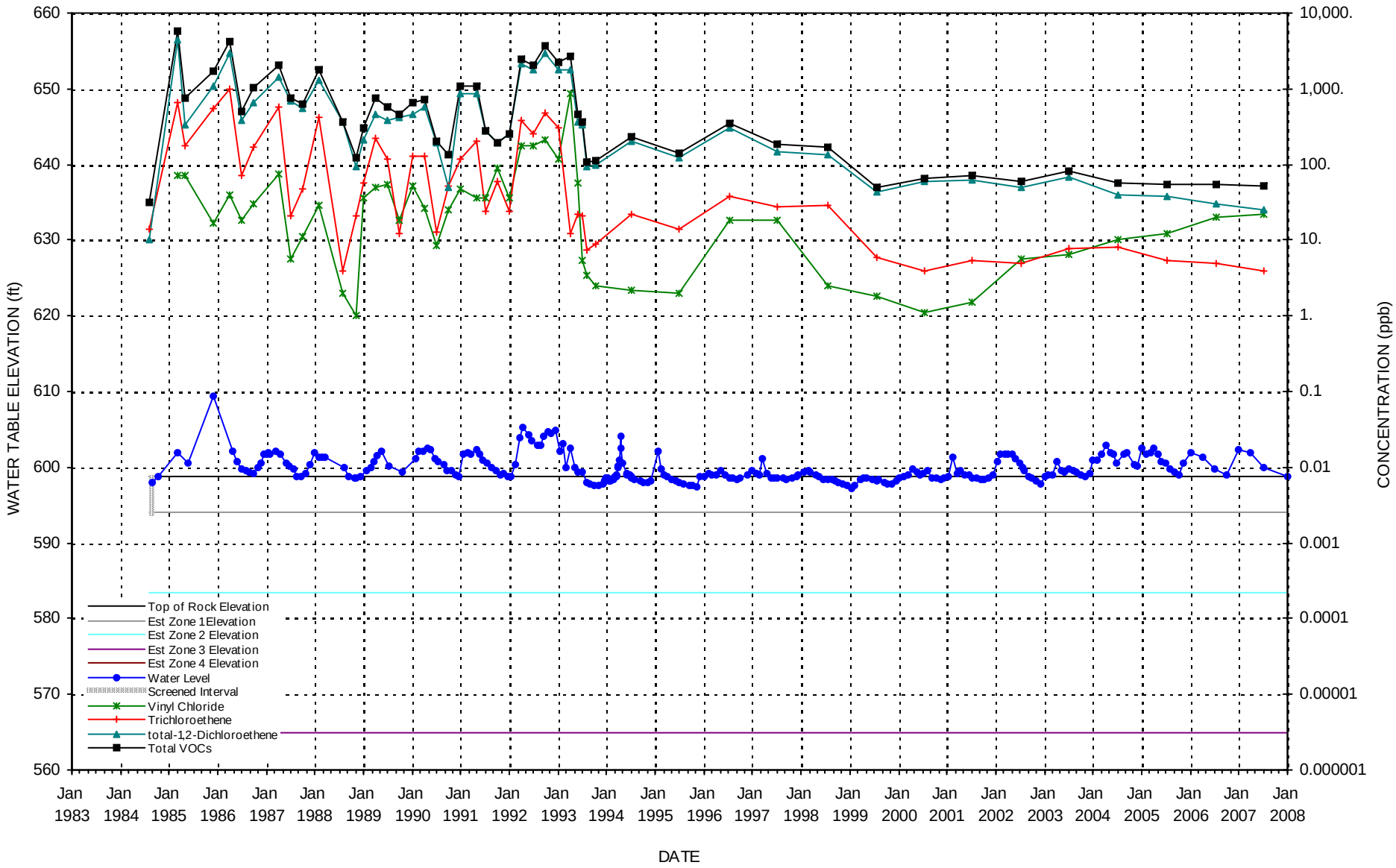


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

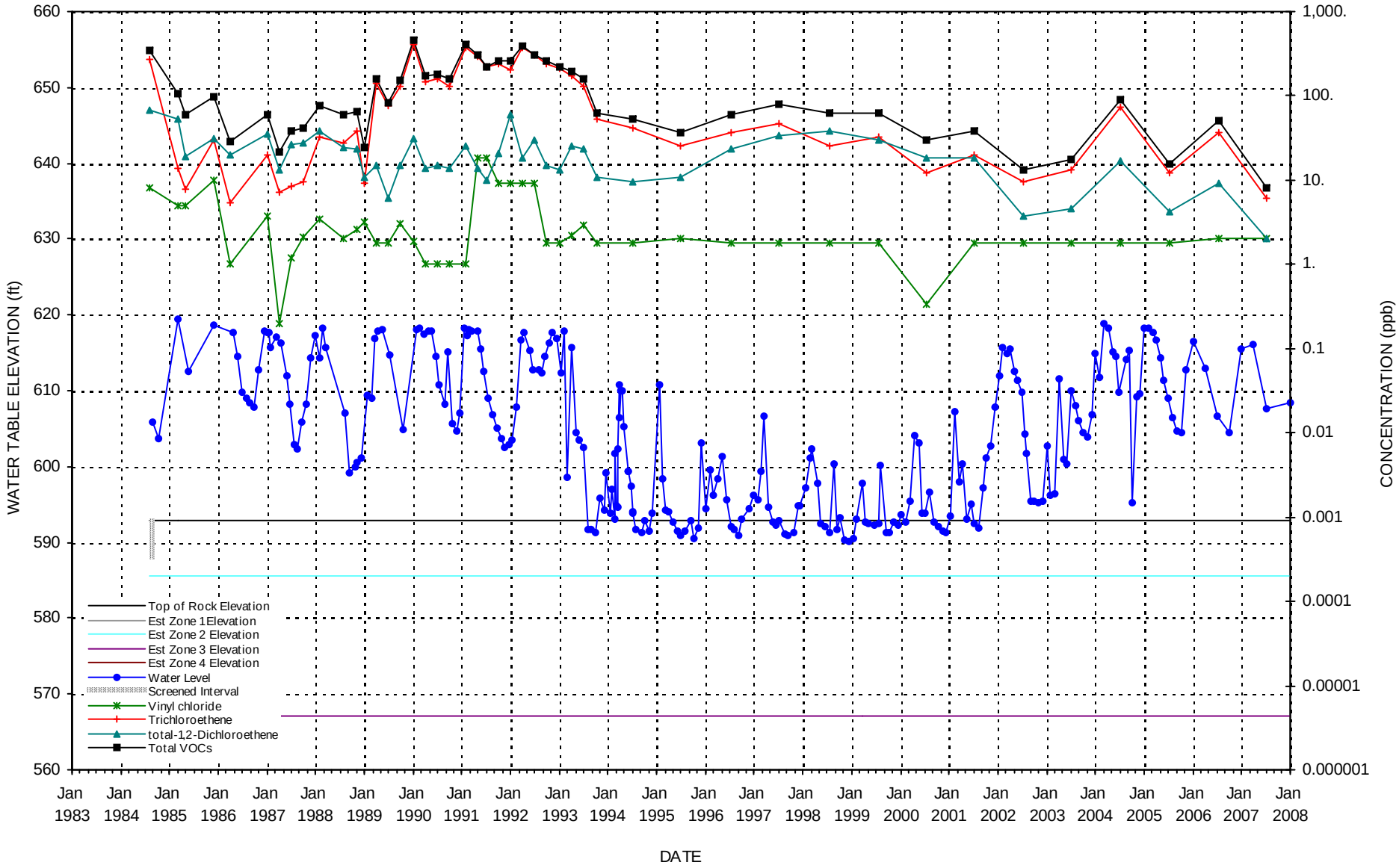
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 4M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 5M

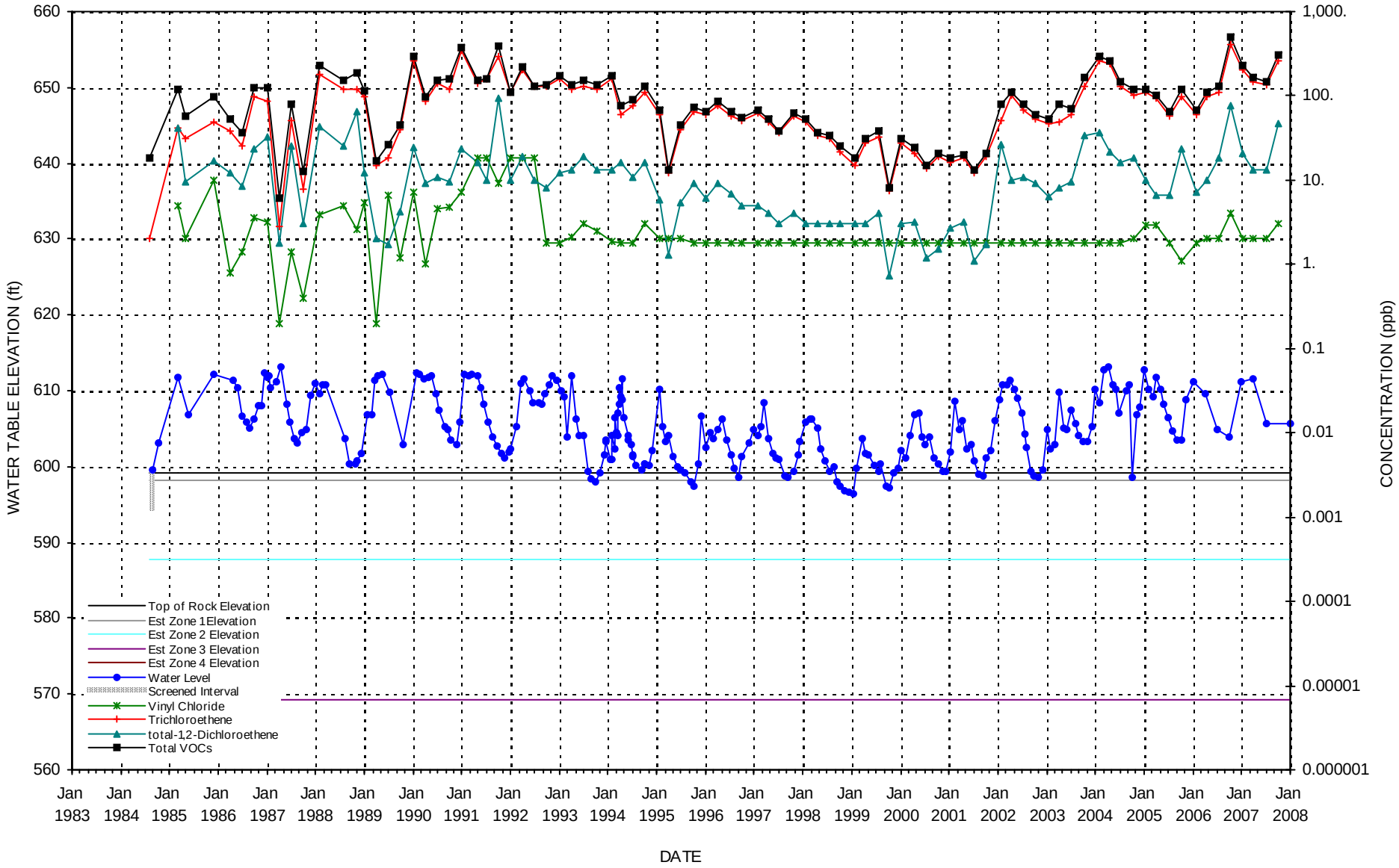


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 6M

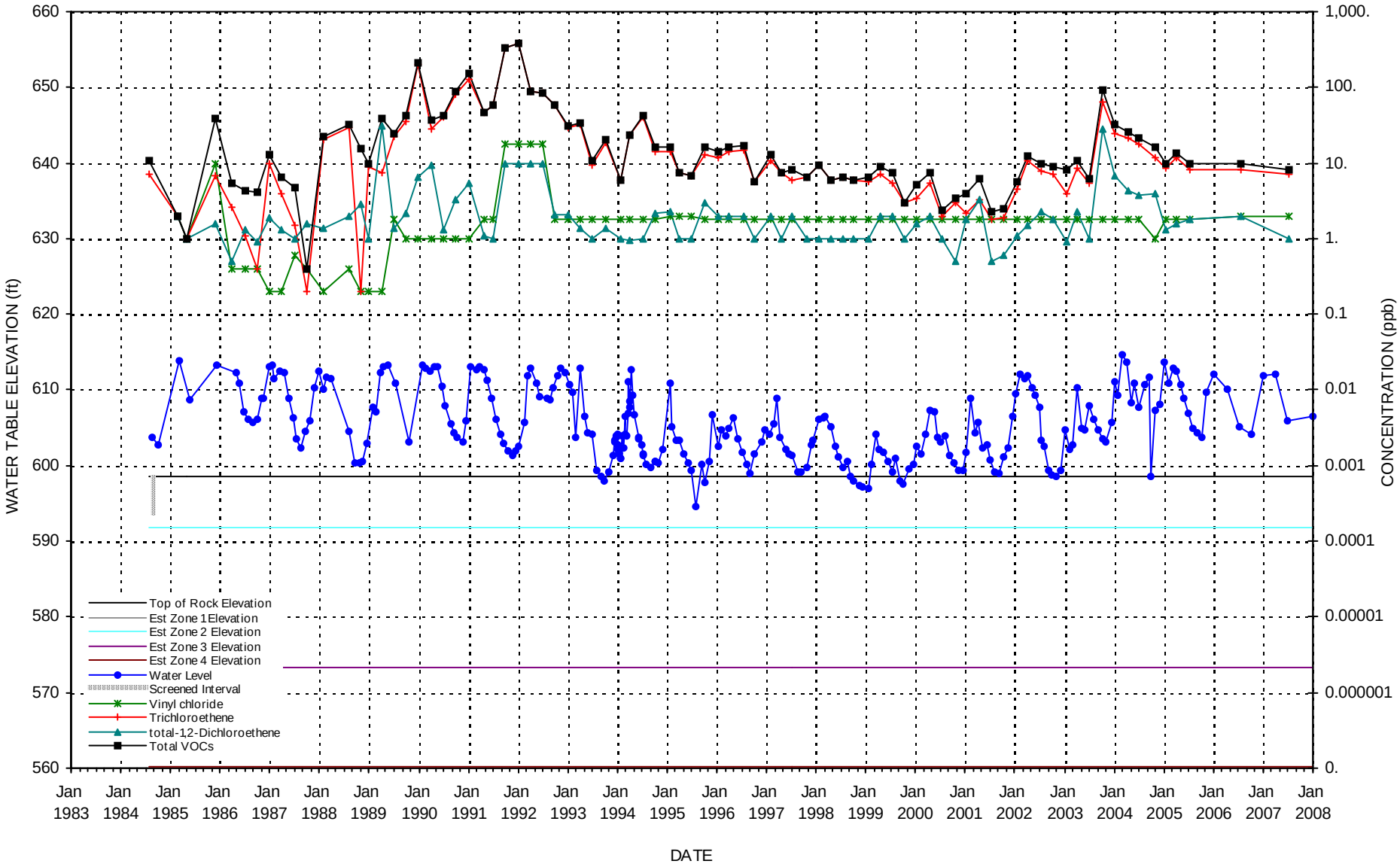


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

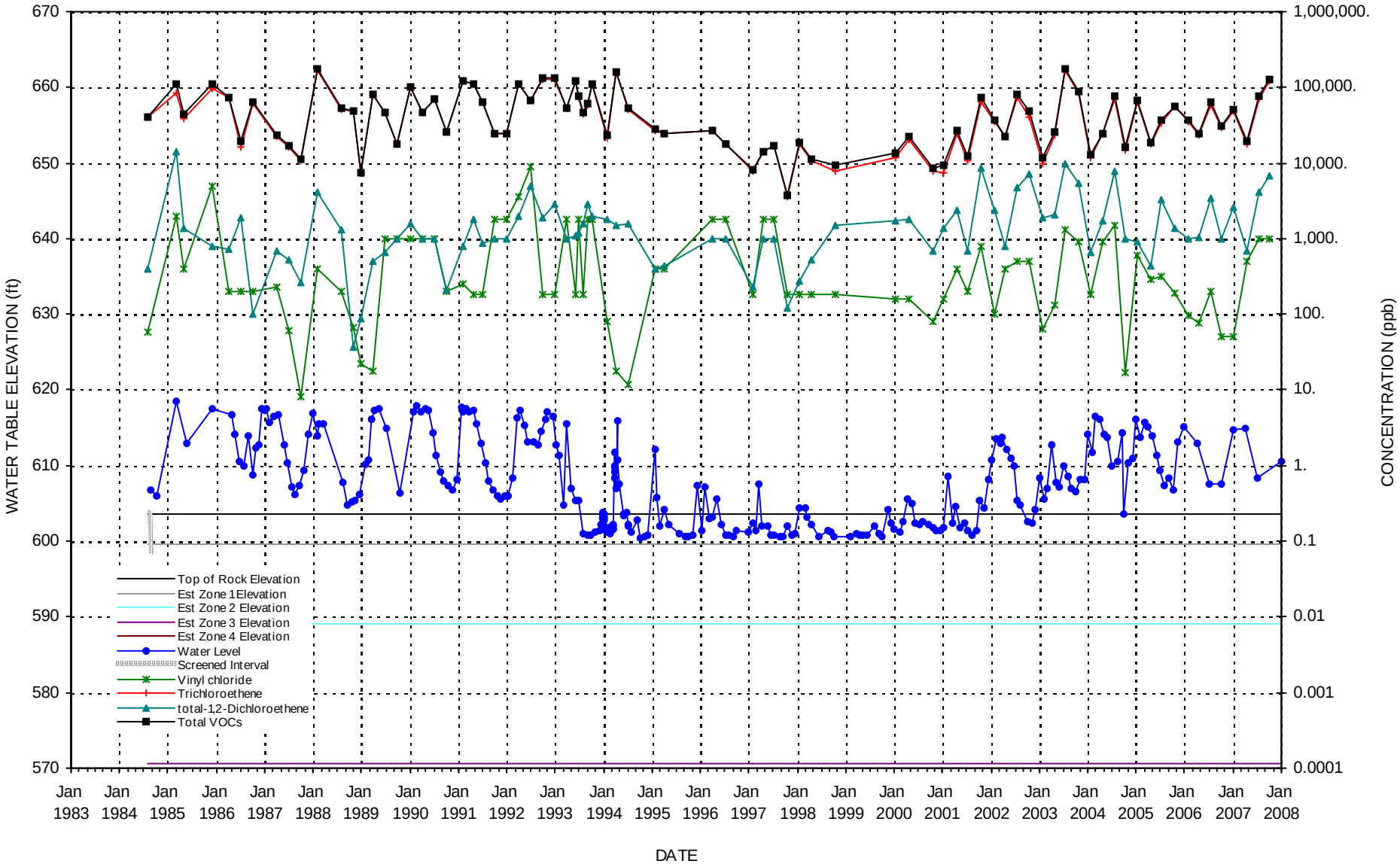
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 7M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 8M

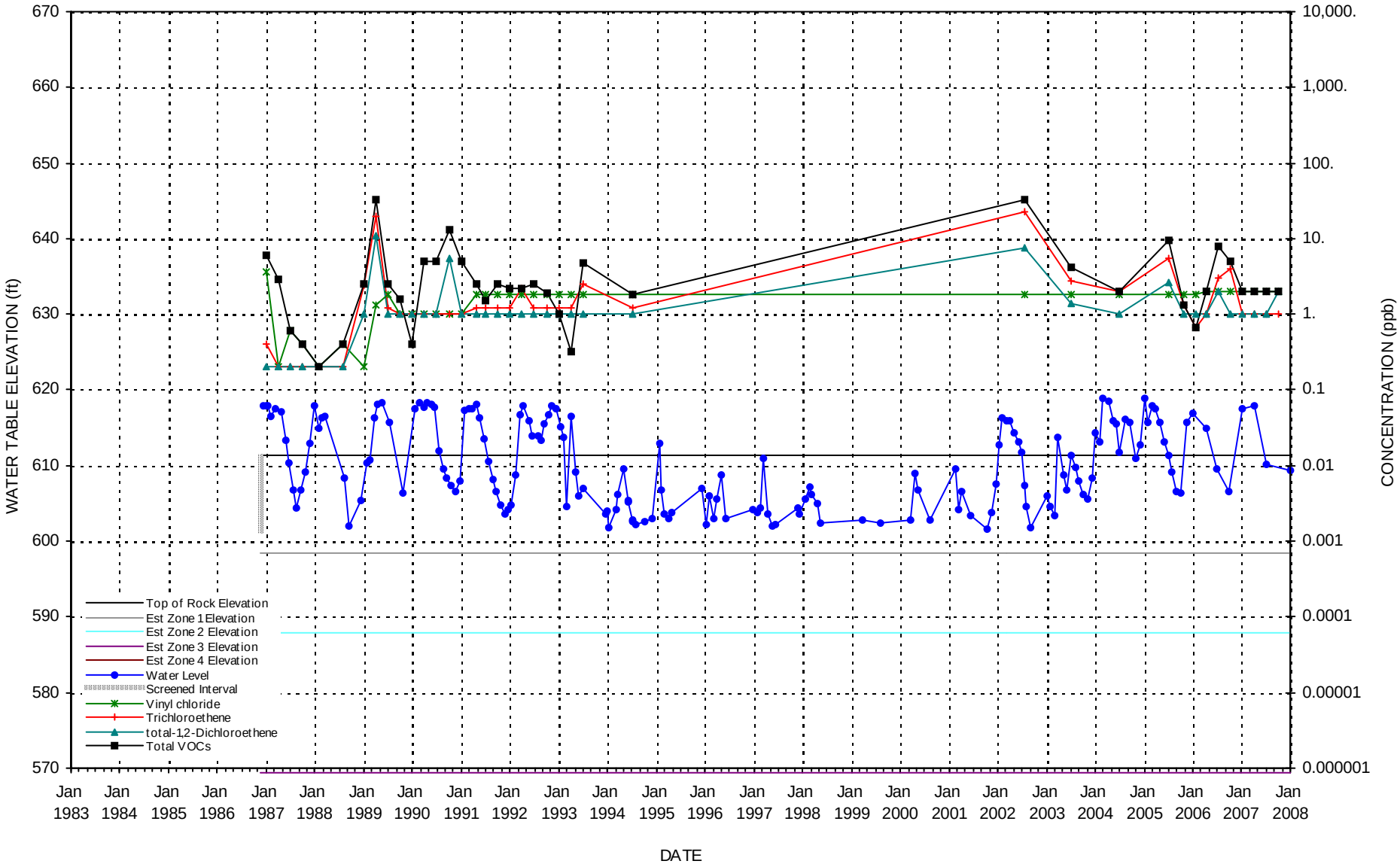


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 9M



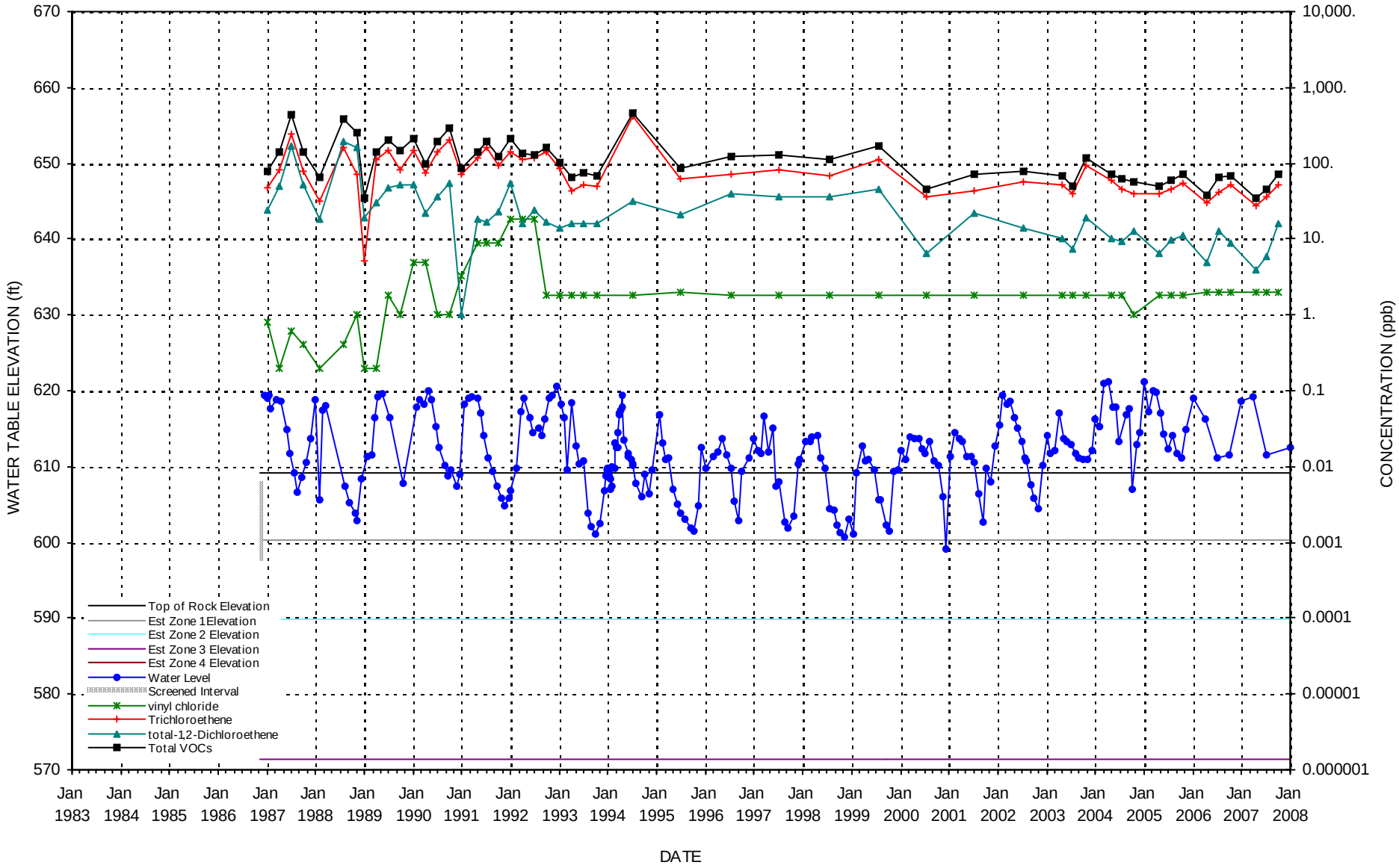
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-10M

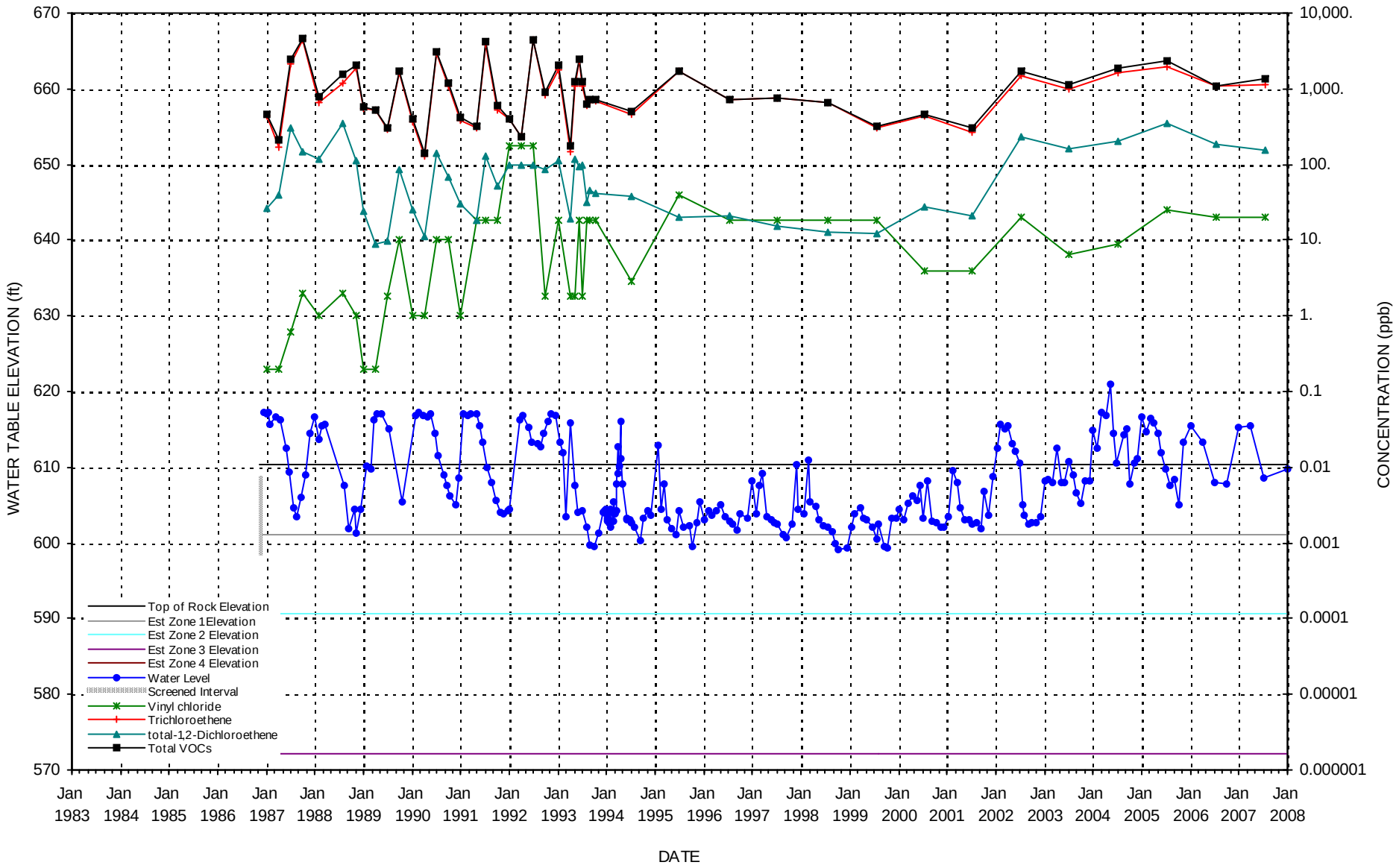


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-11M

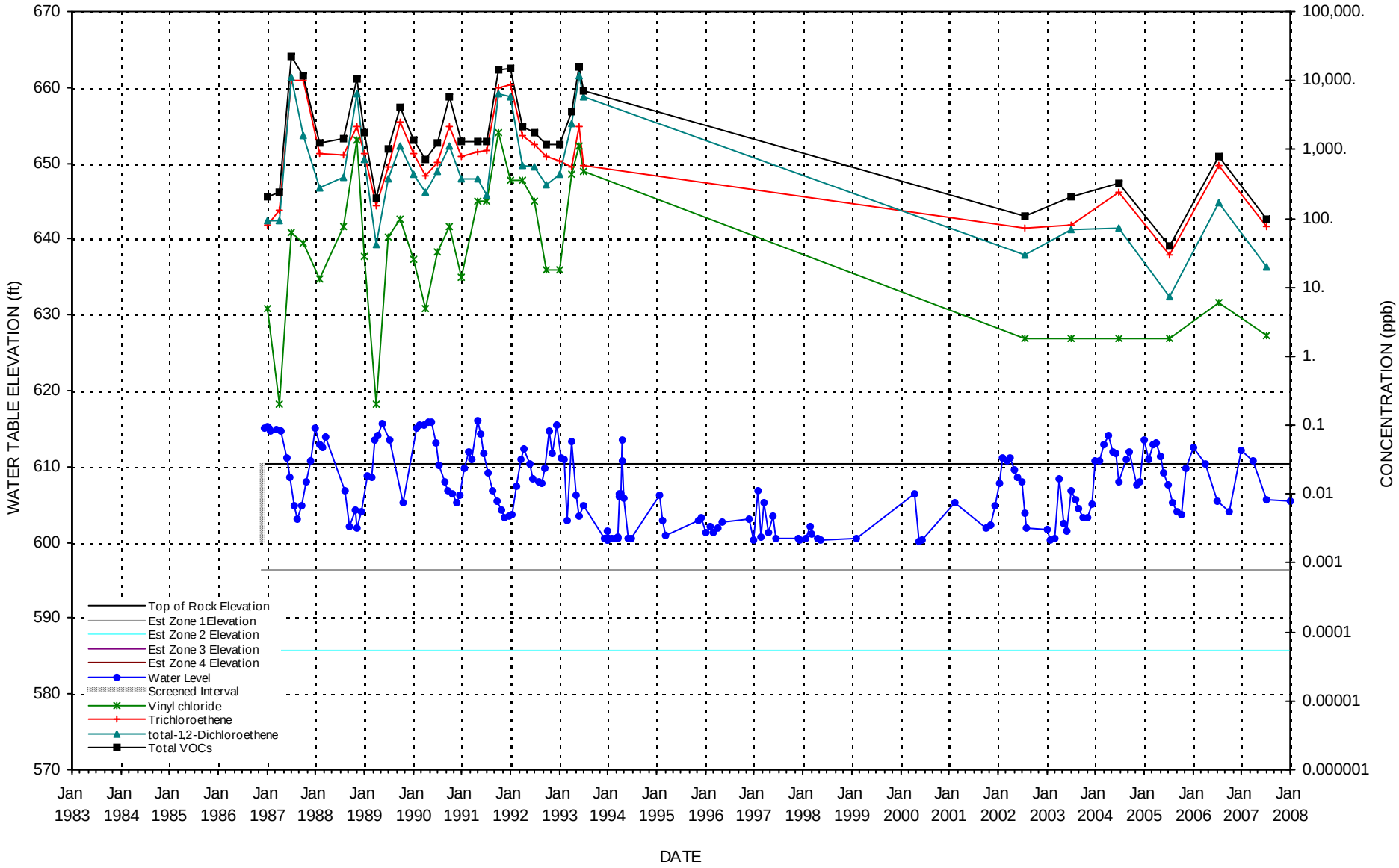


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-12M

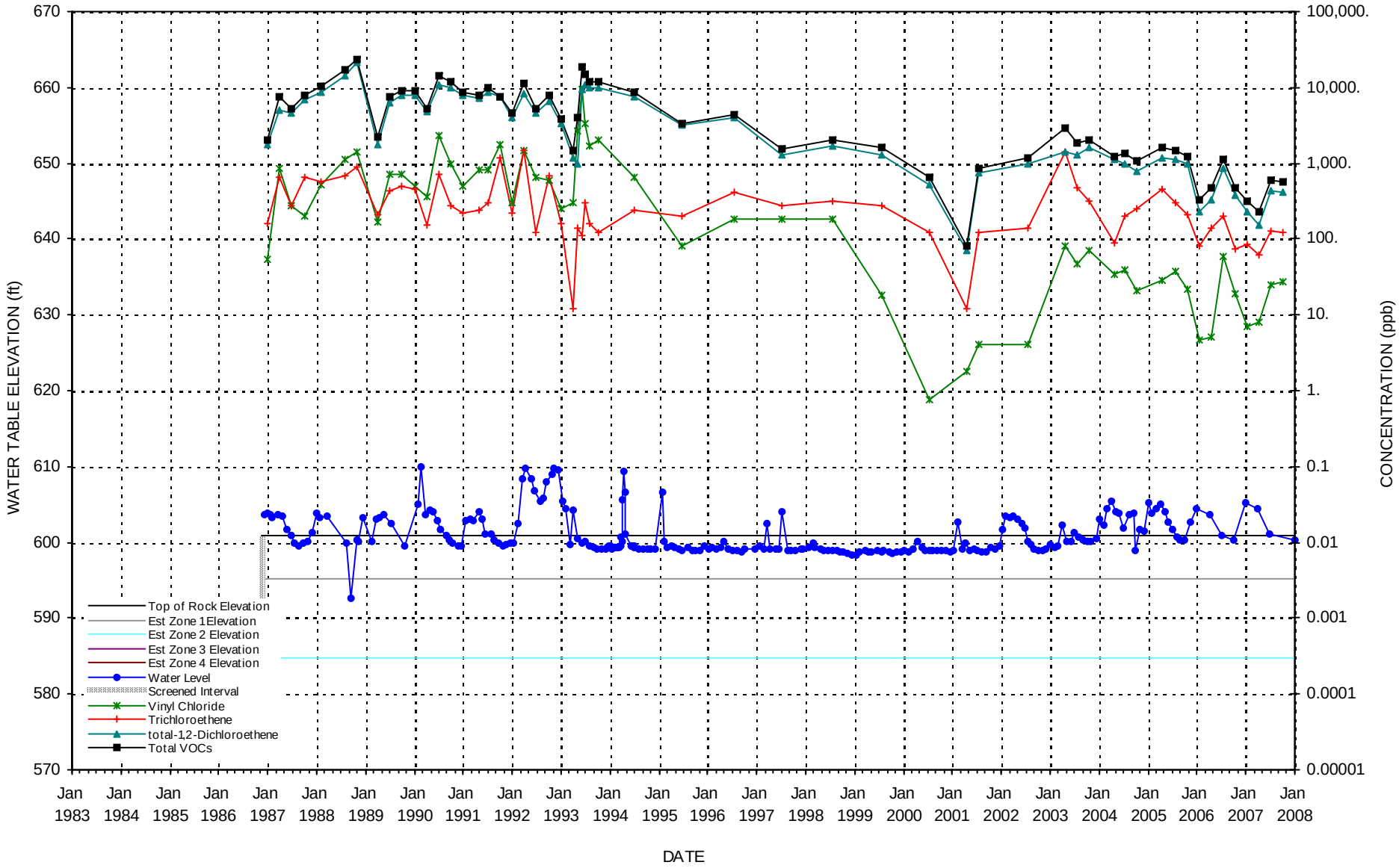


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-13M

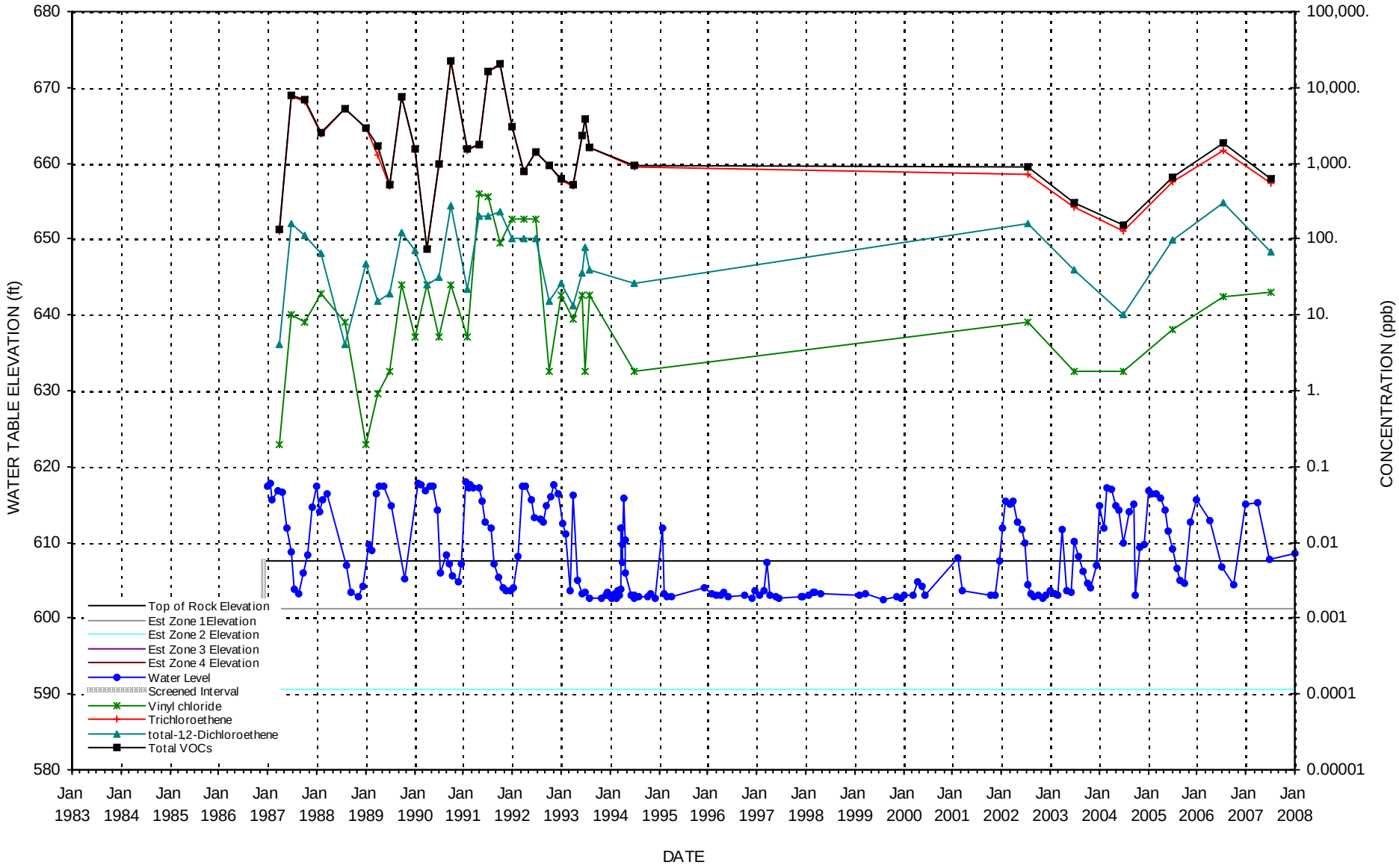


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-14M



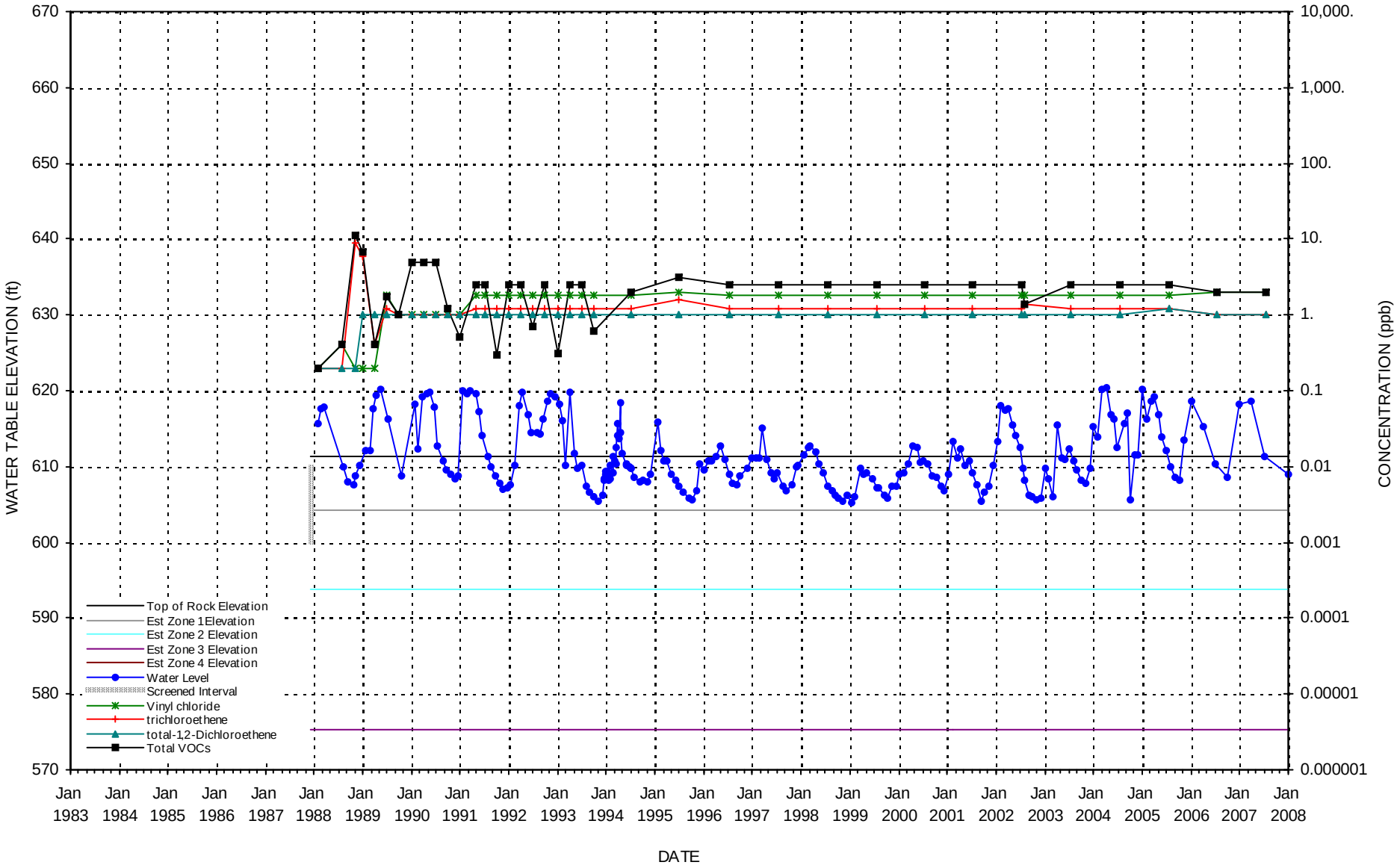
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-15M



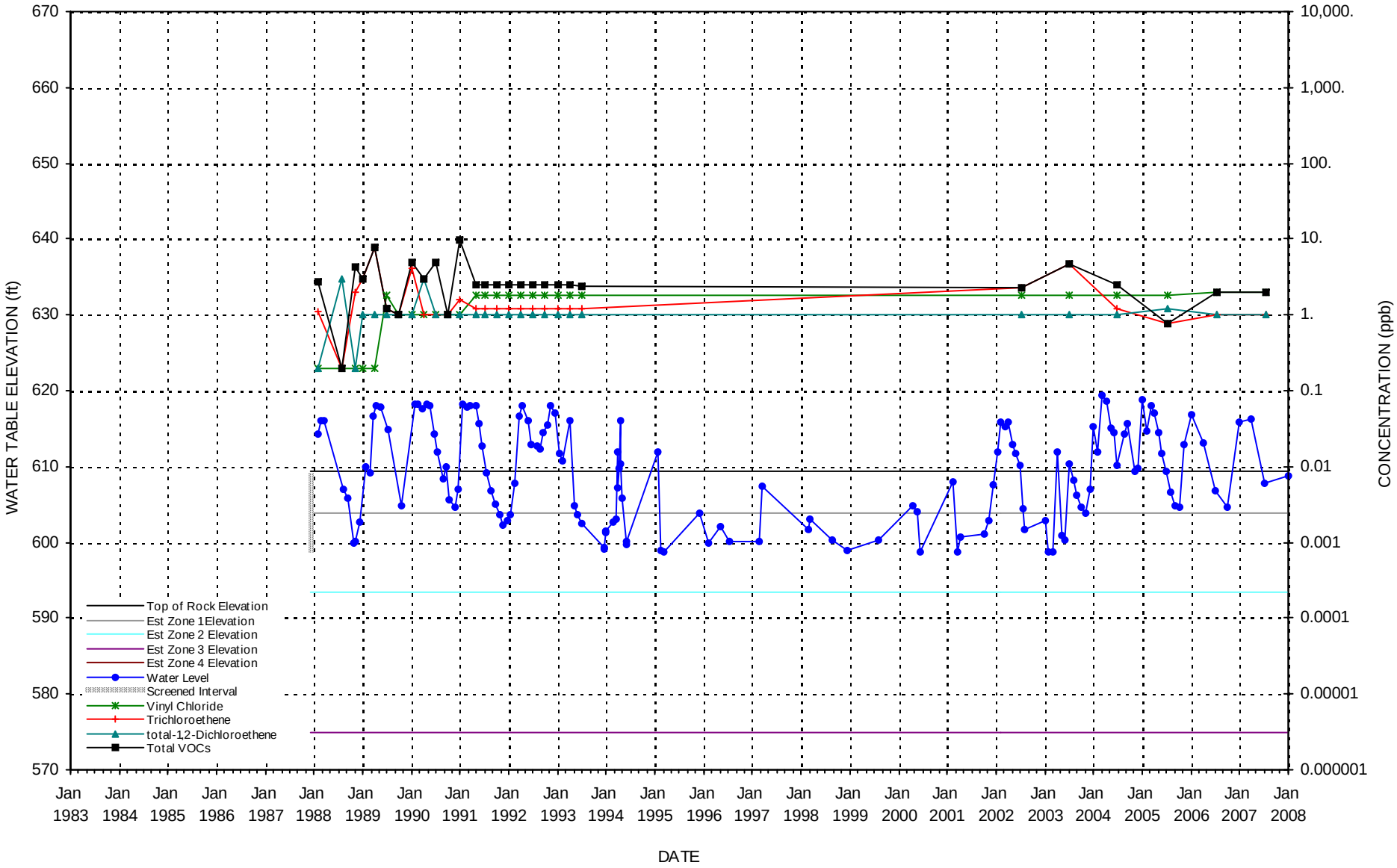
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-16M

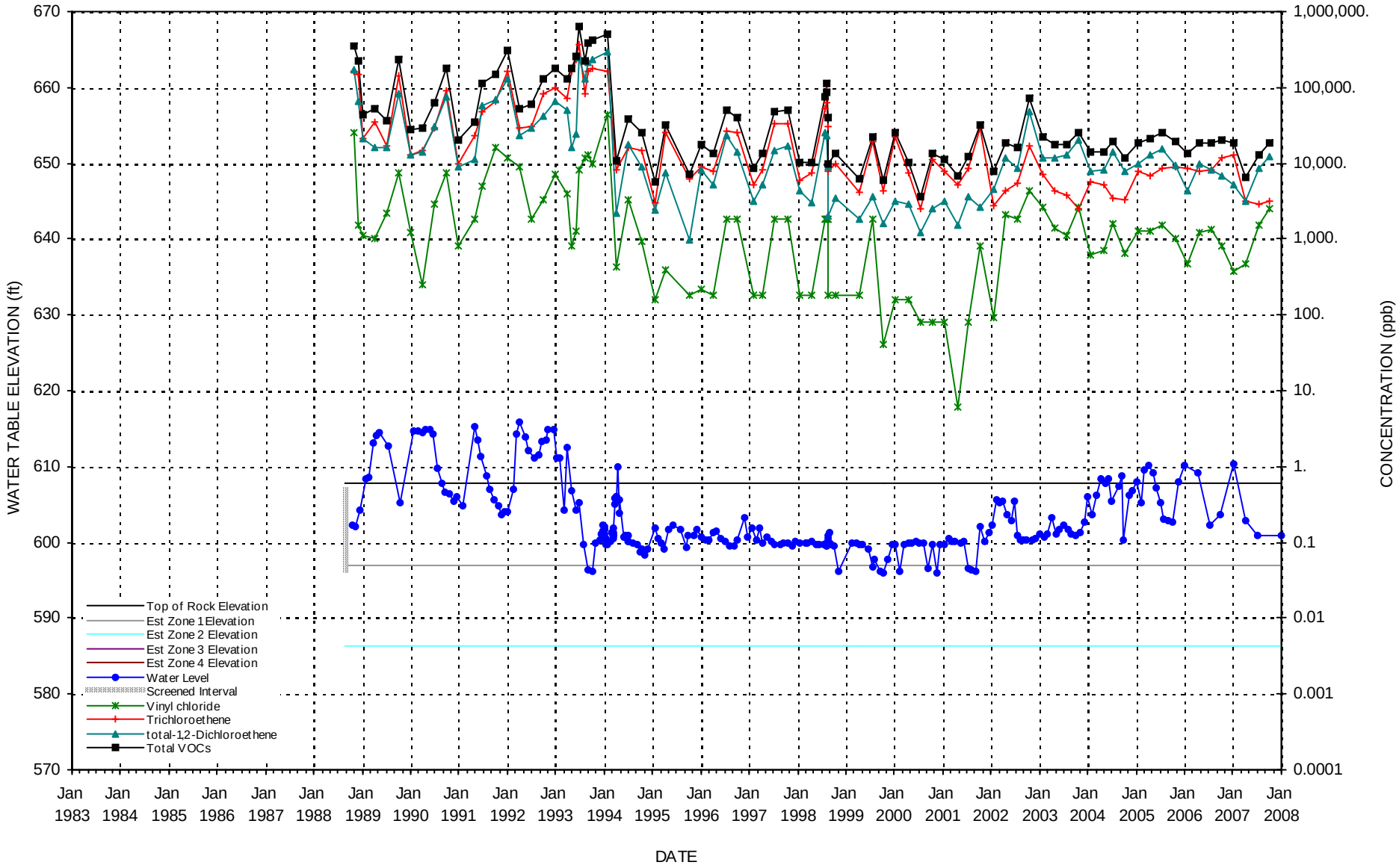


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

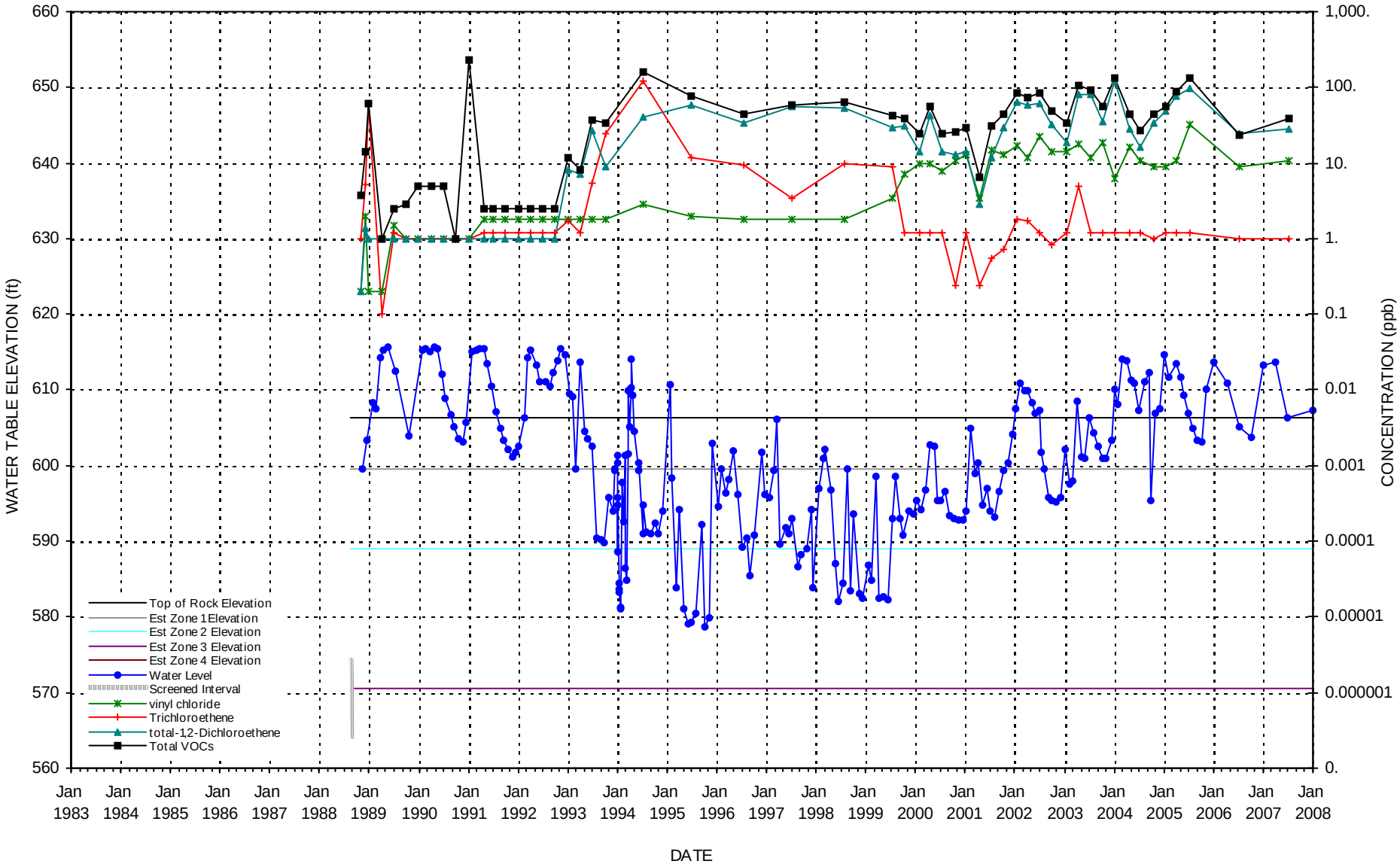
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-17M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-18M

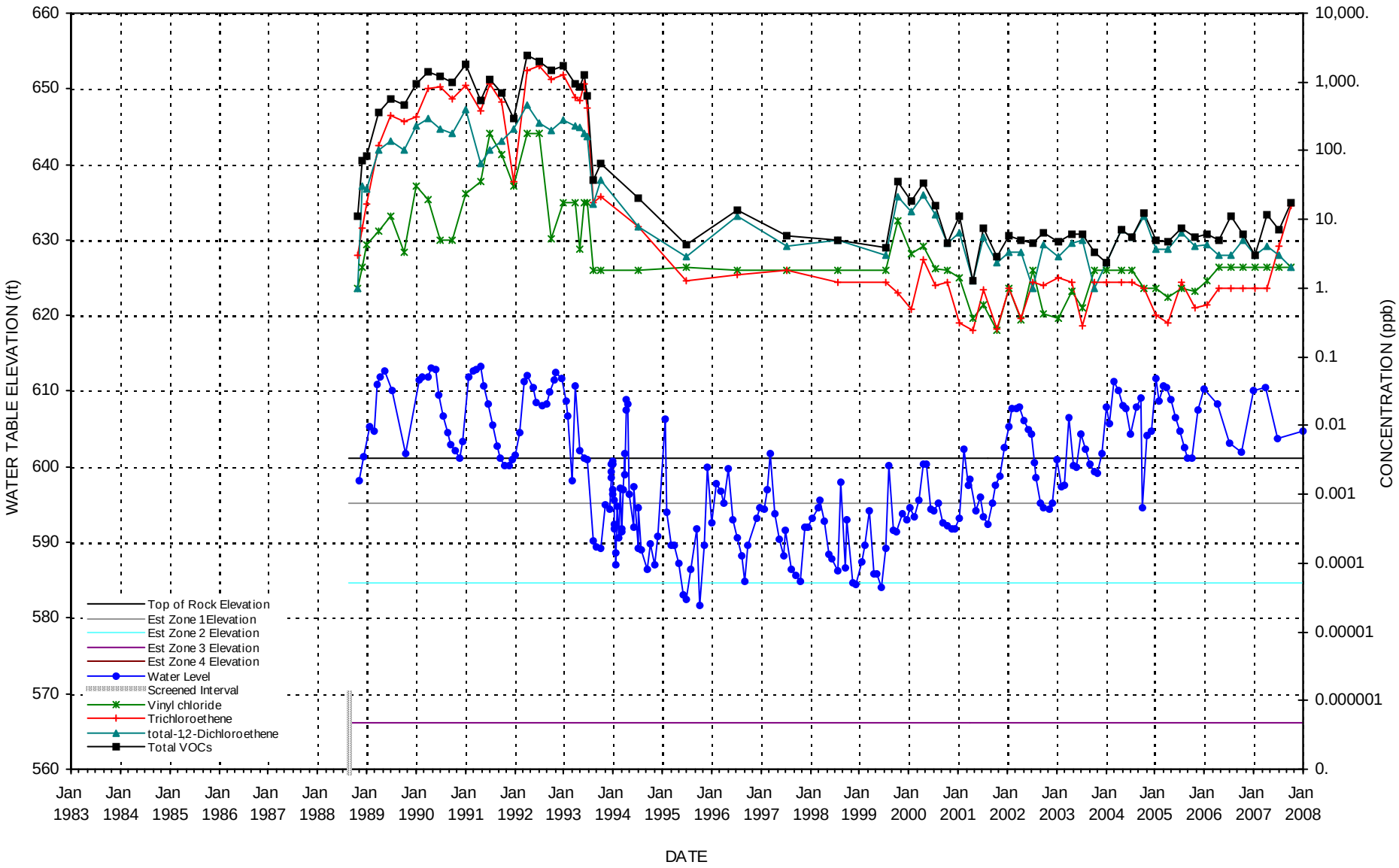


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-19M

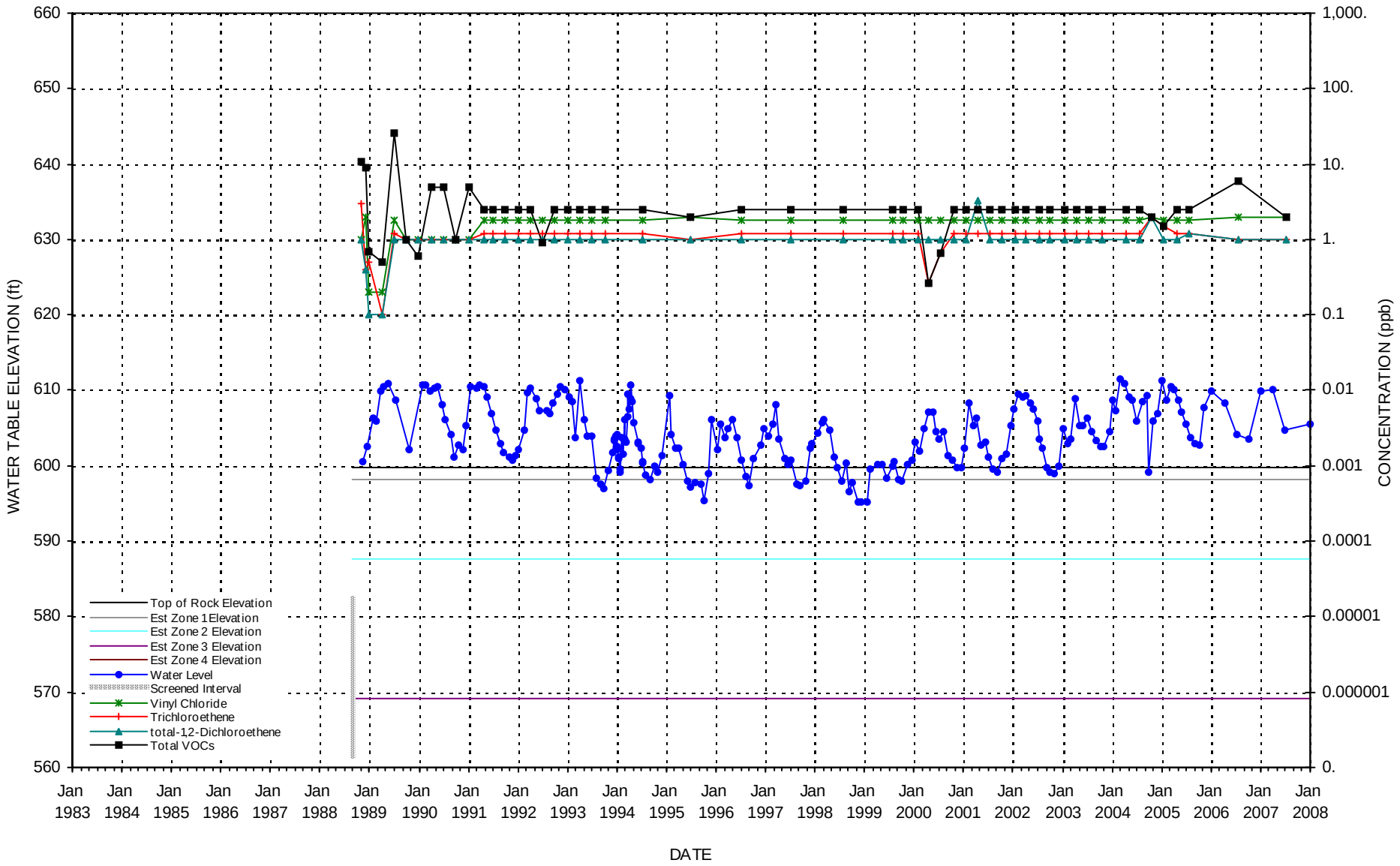


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-20M

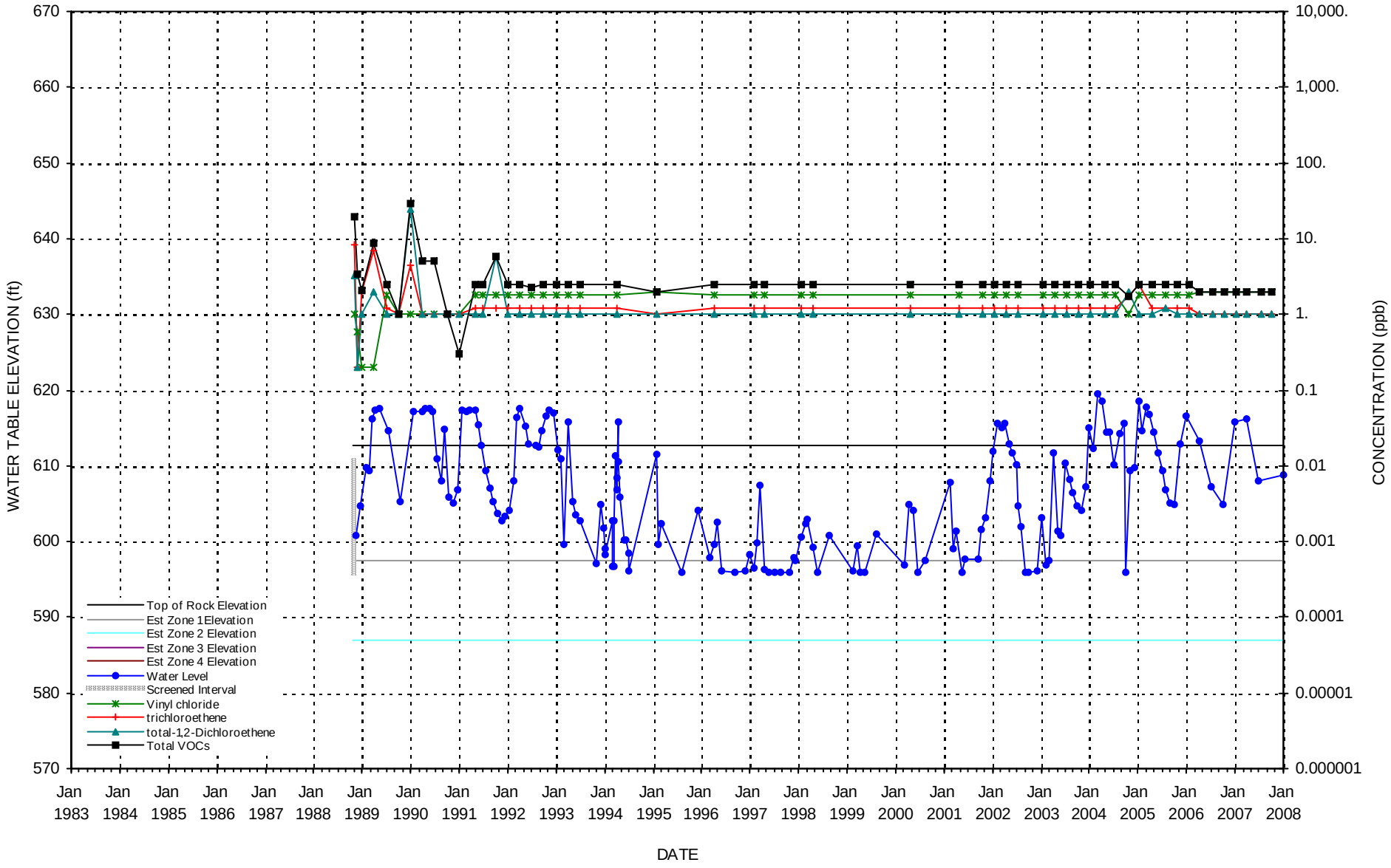


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-21M



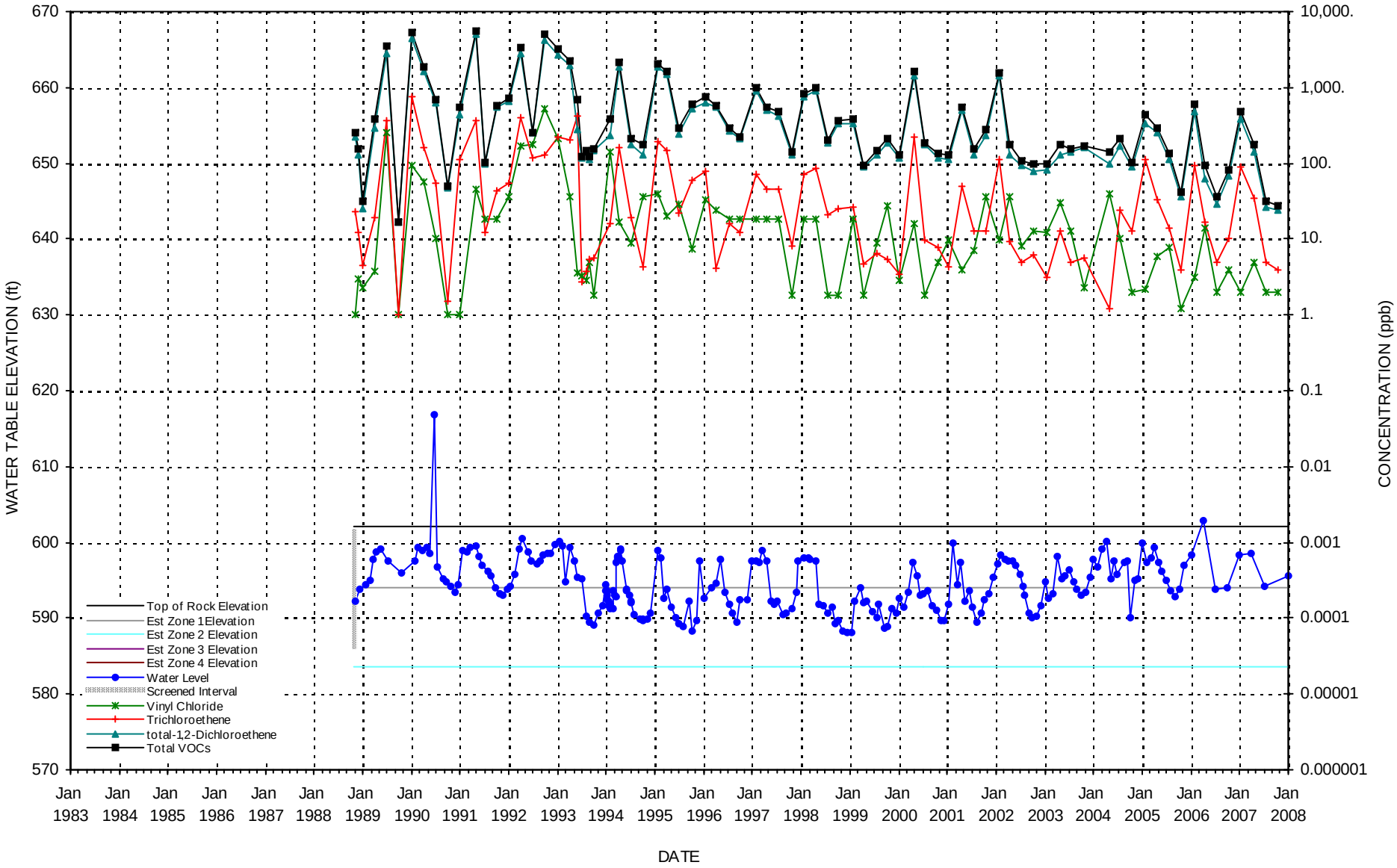
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-22M



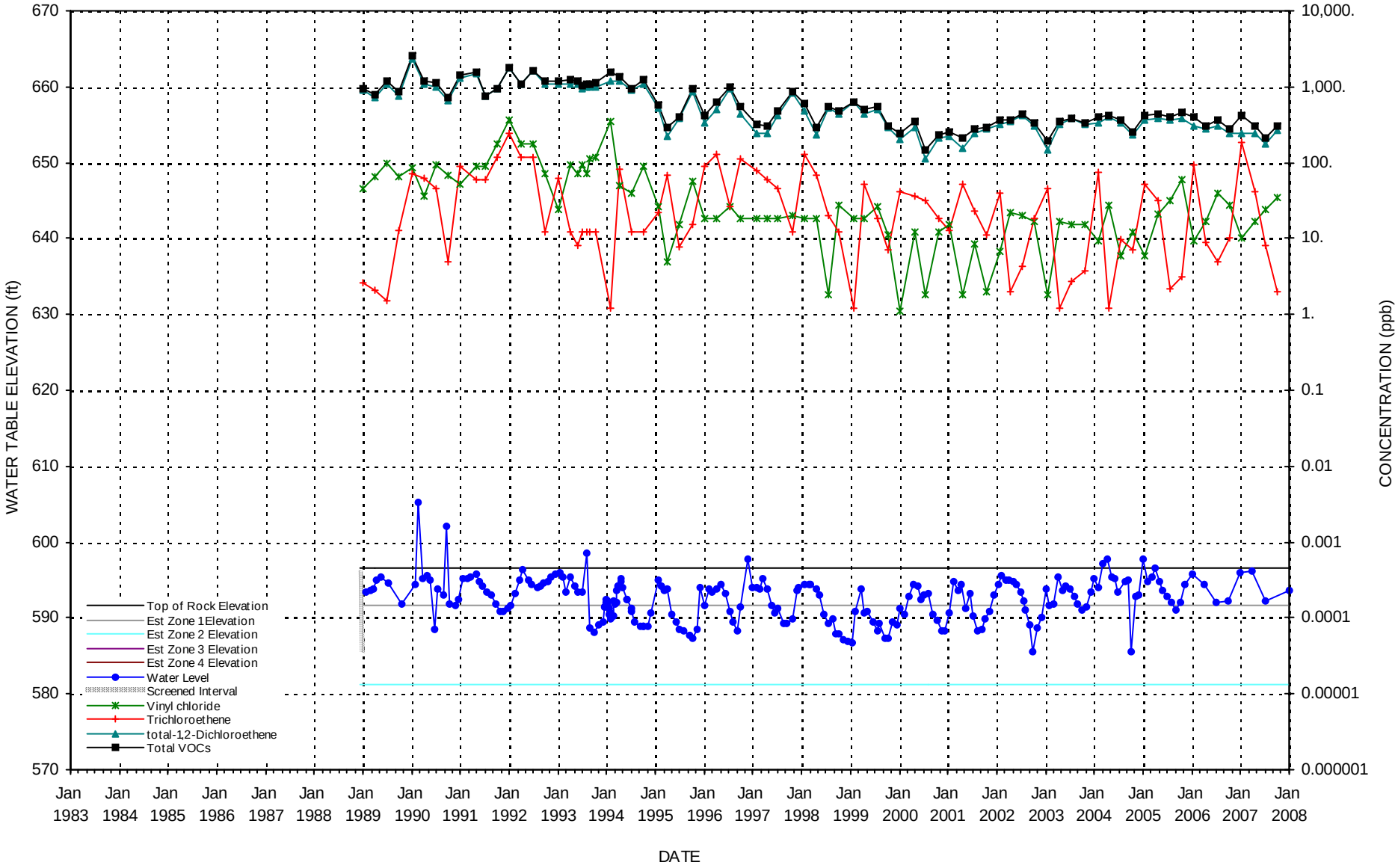
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-23M



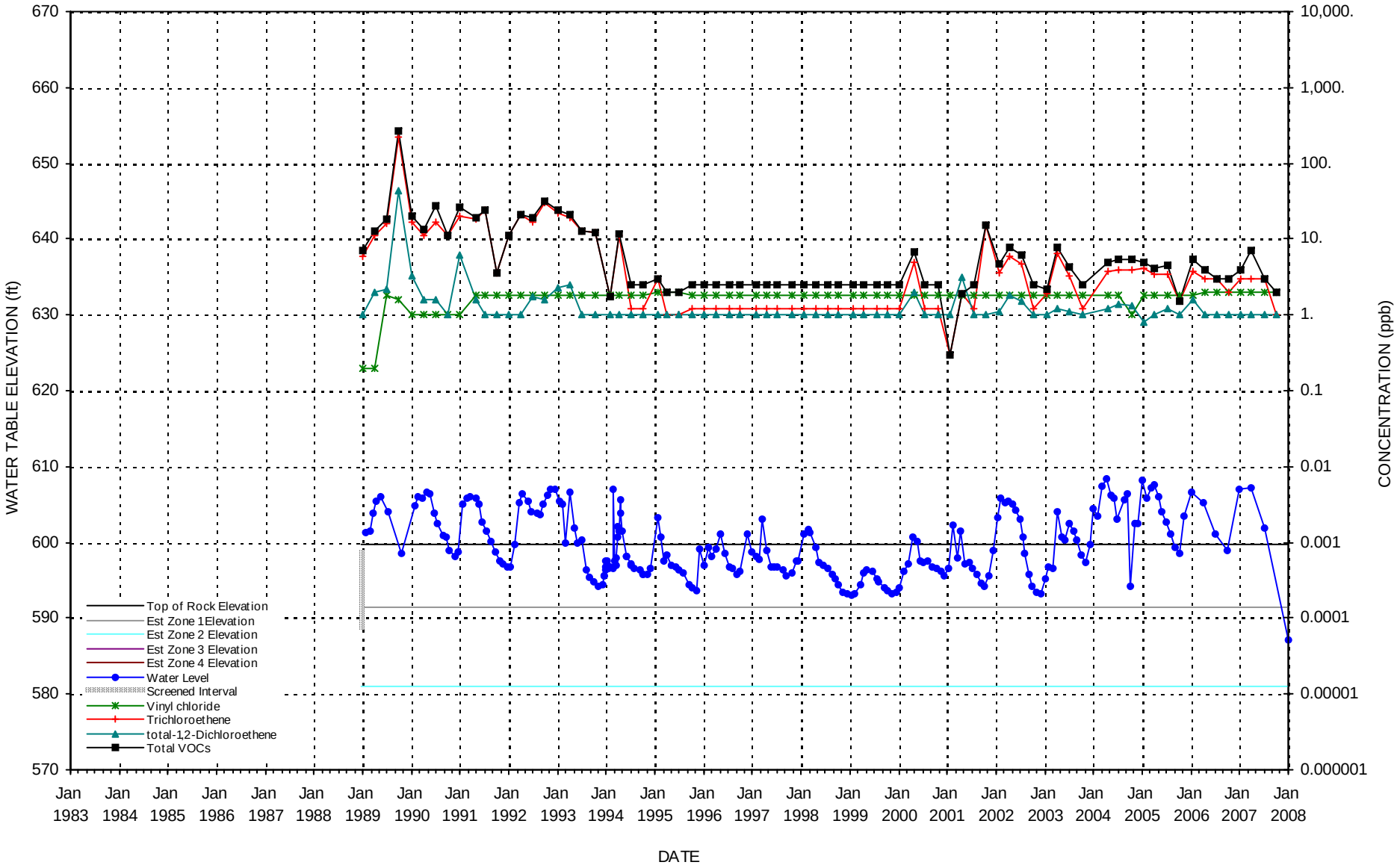
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-24M

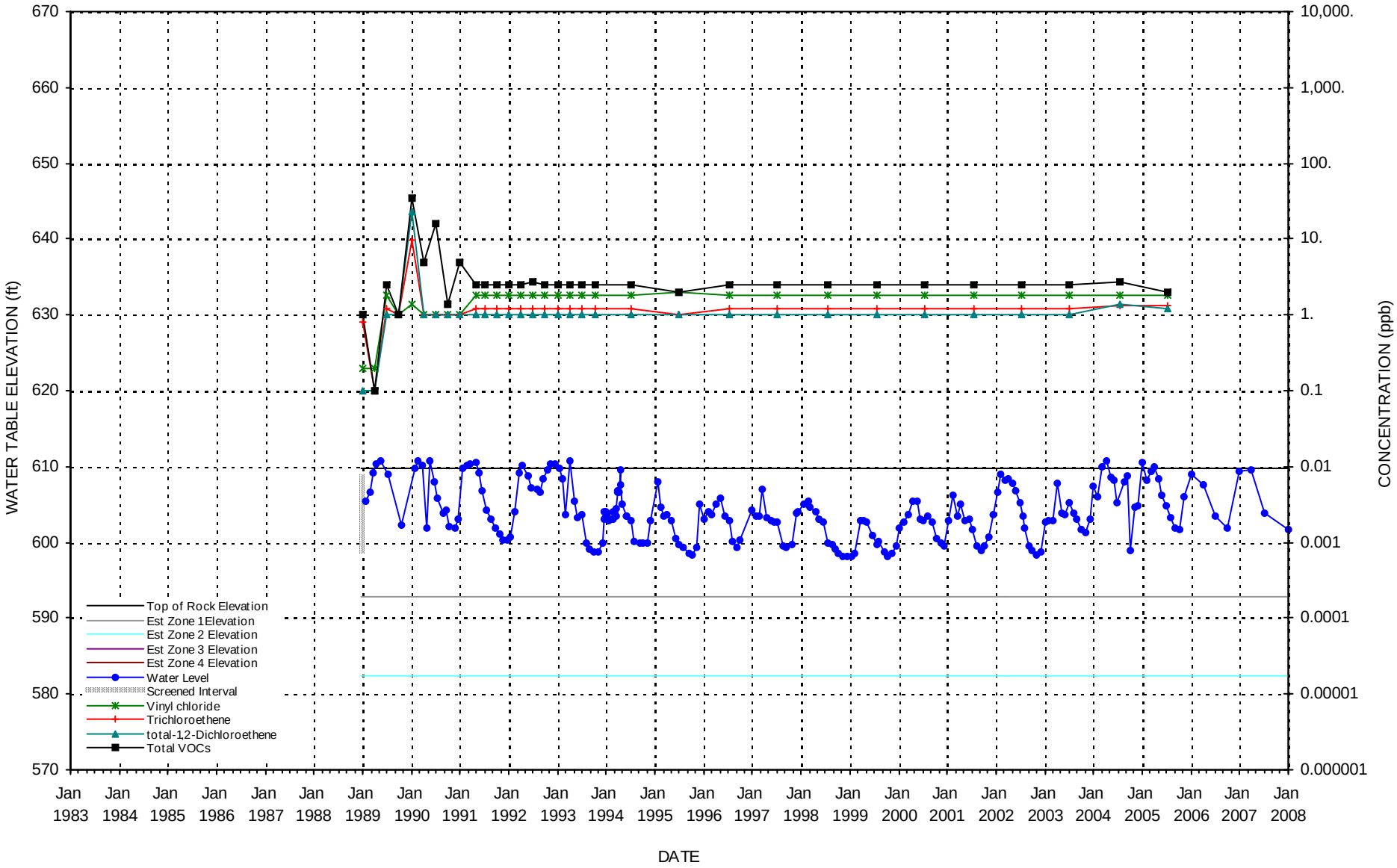


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-25M



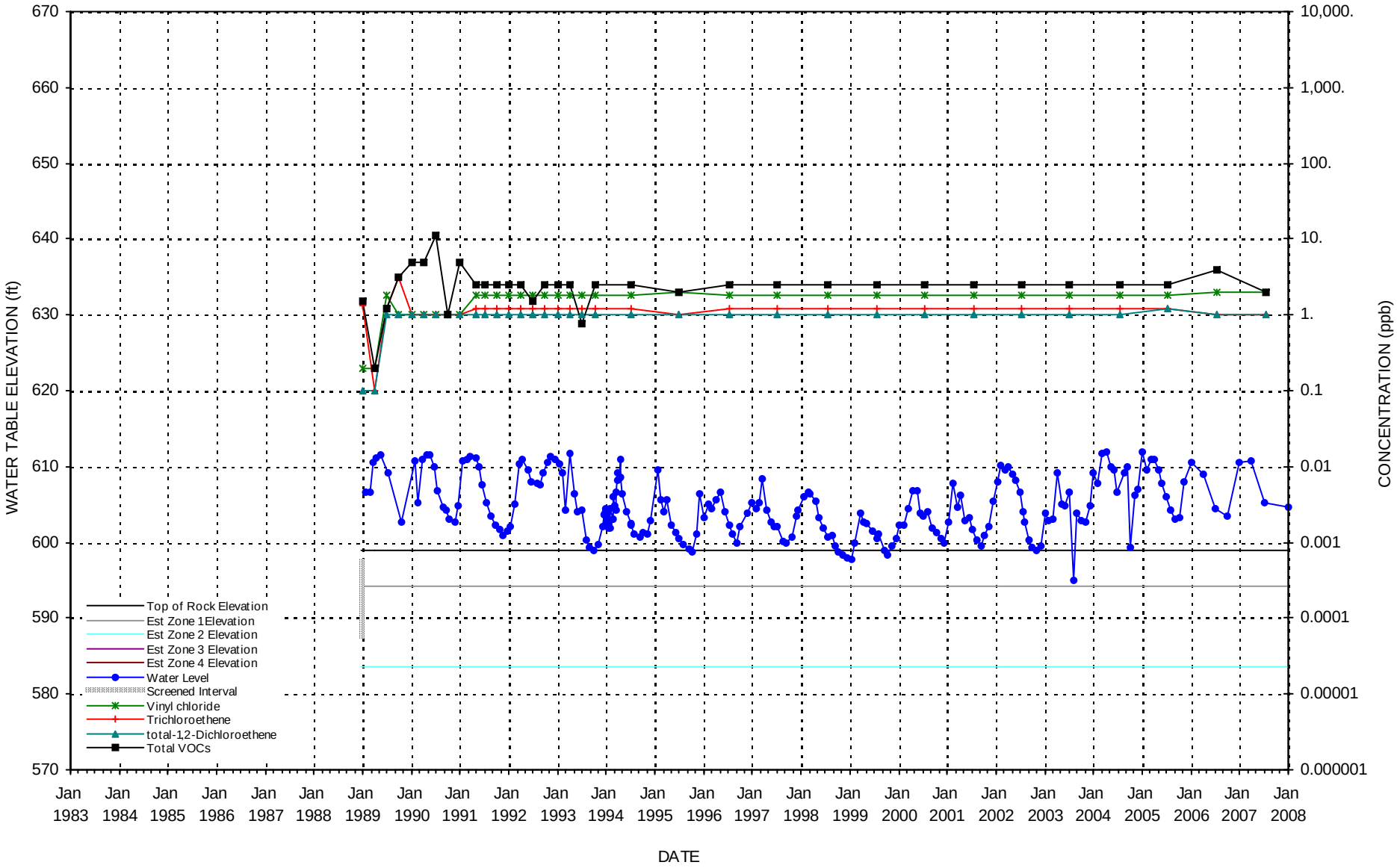
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-26M



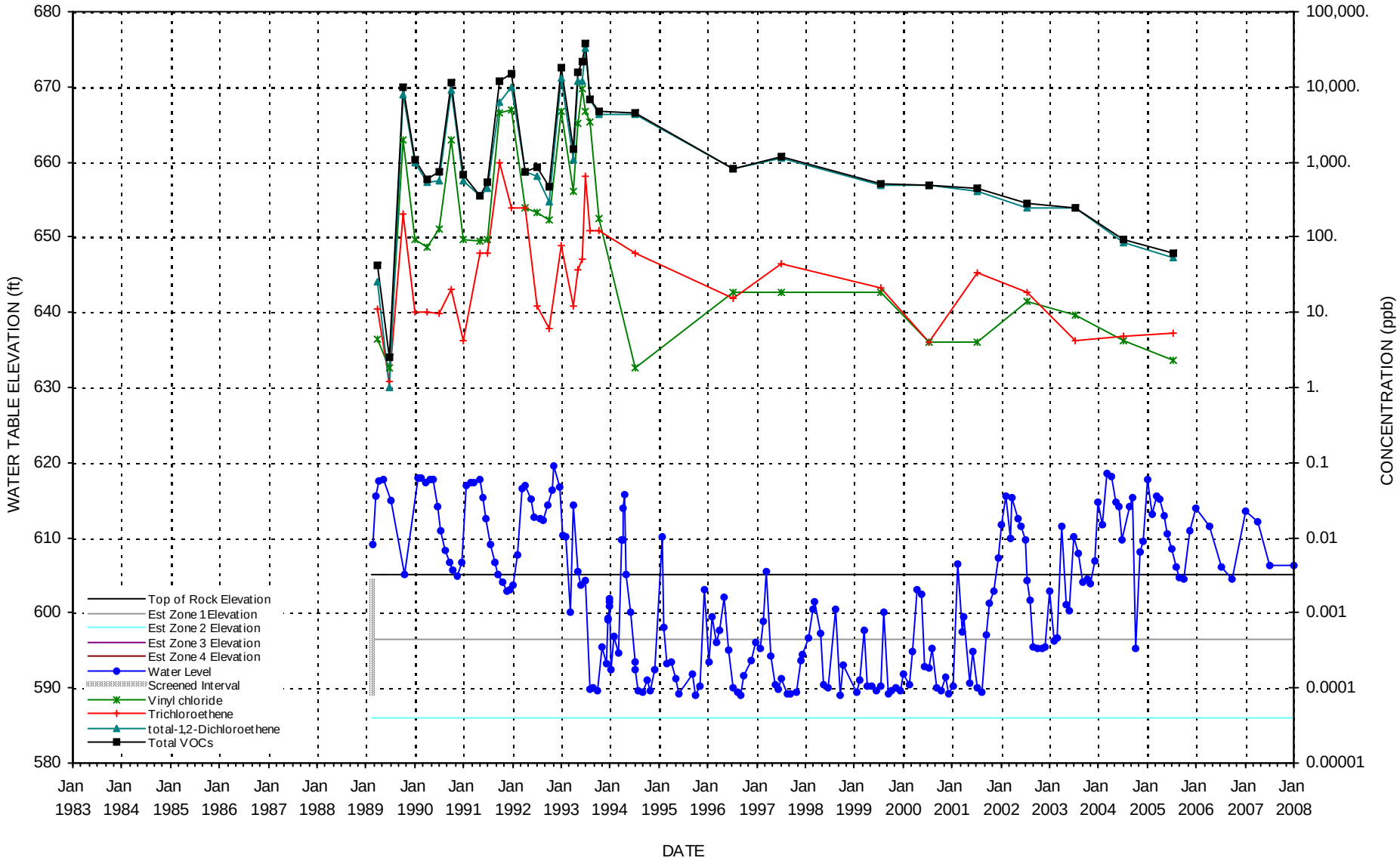
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-27M



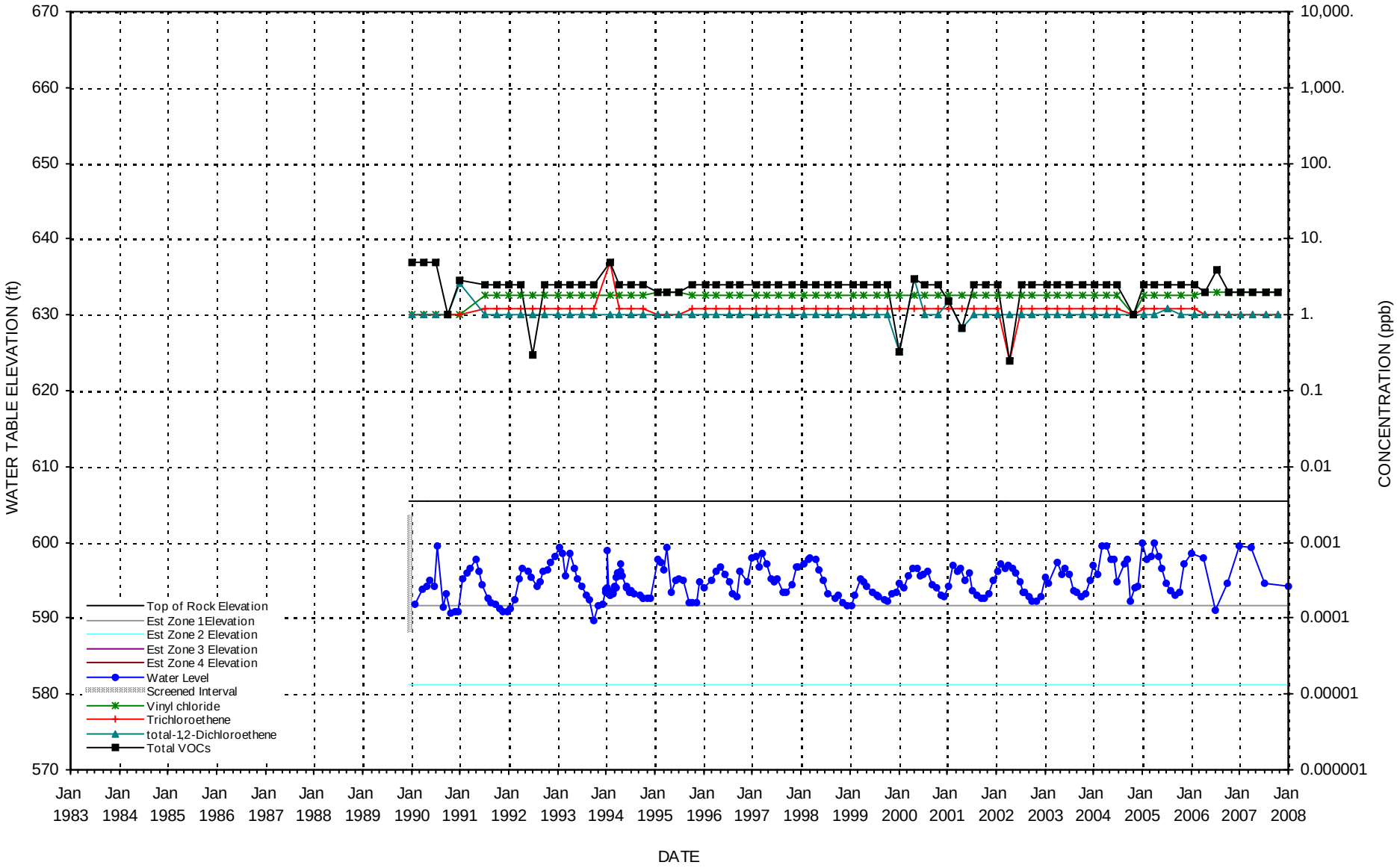
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-28M

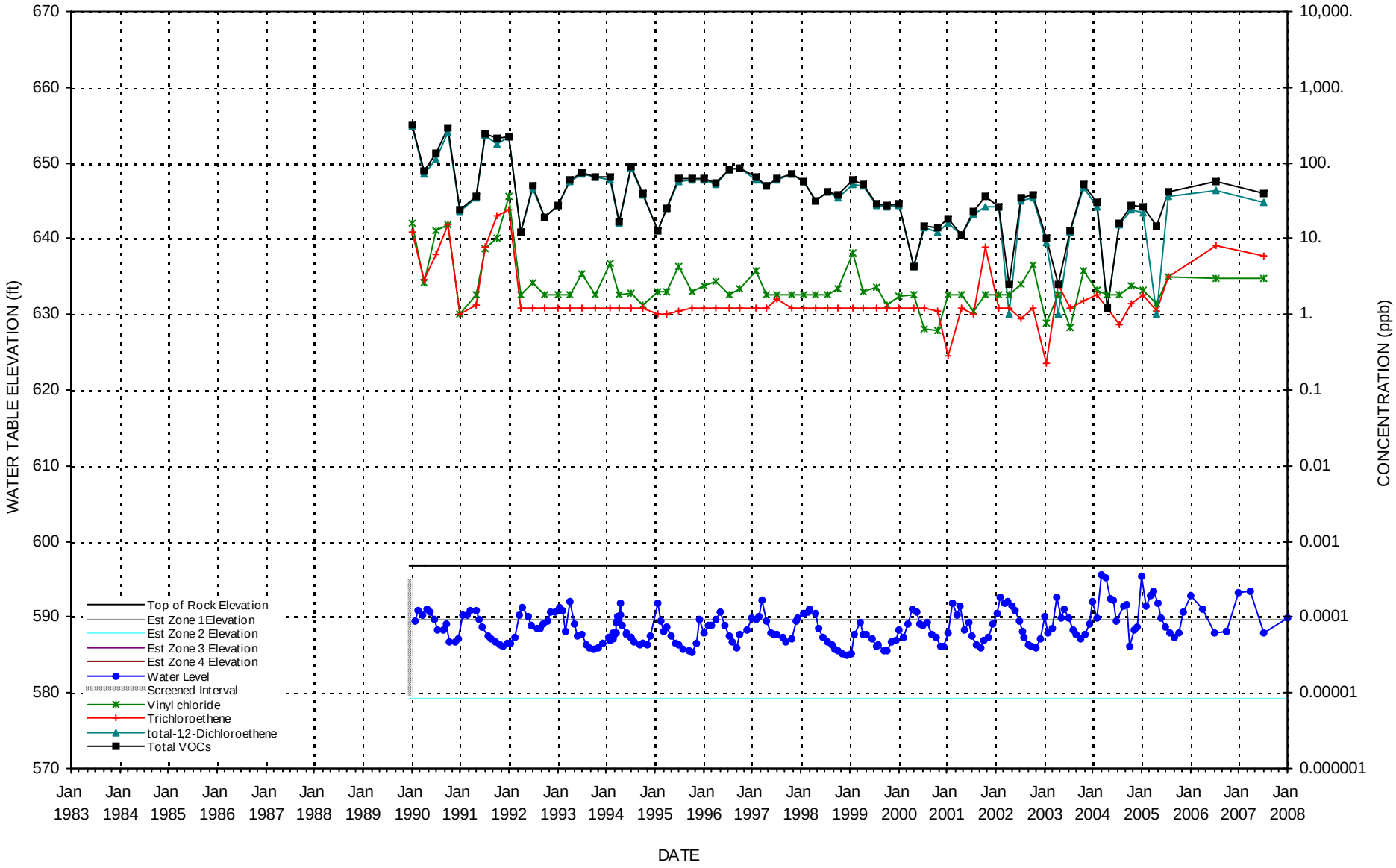


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-29M

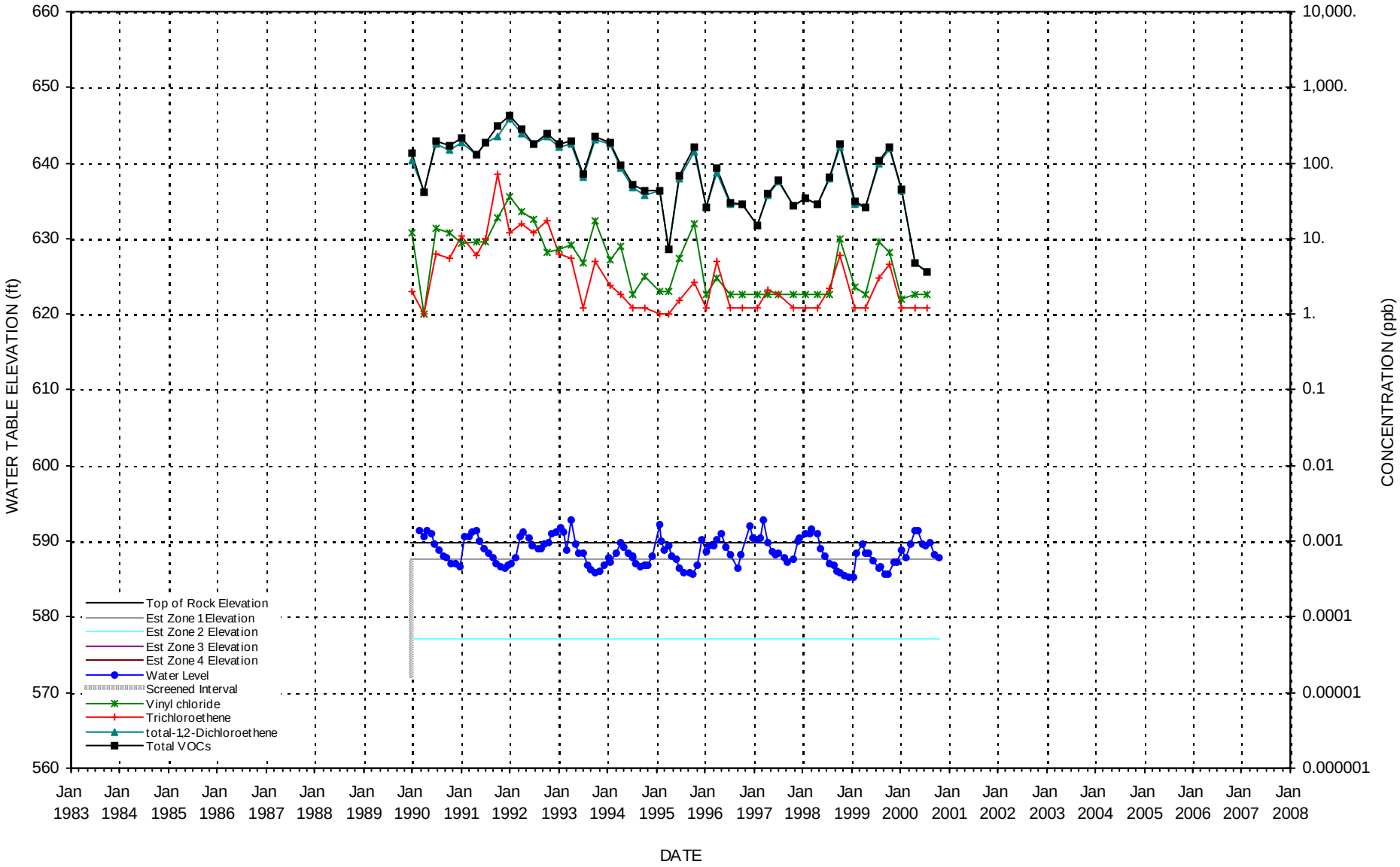


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

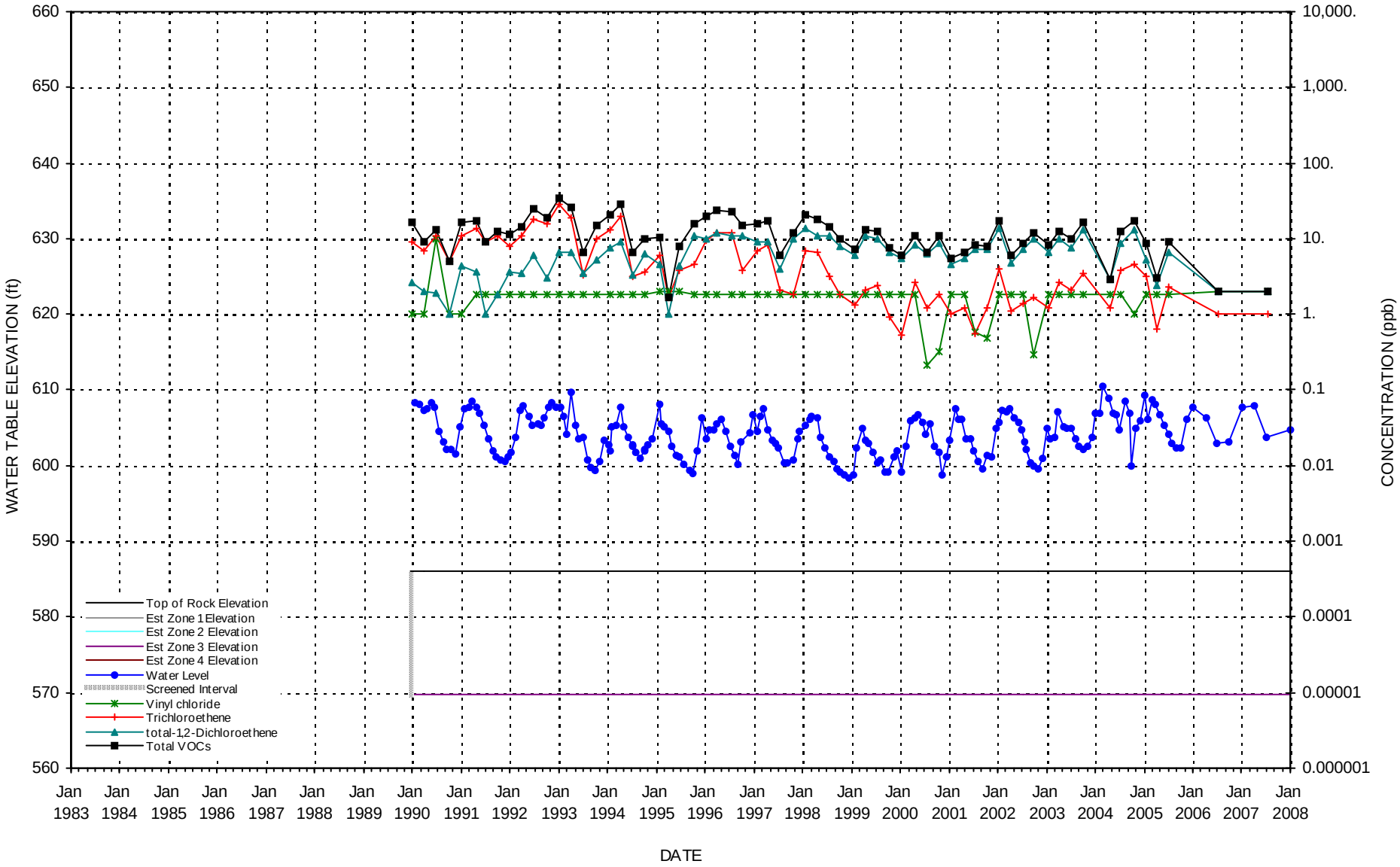
WELL B-30M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-31M

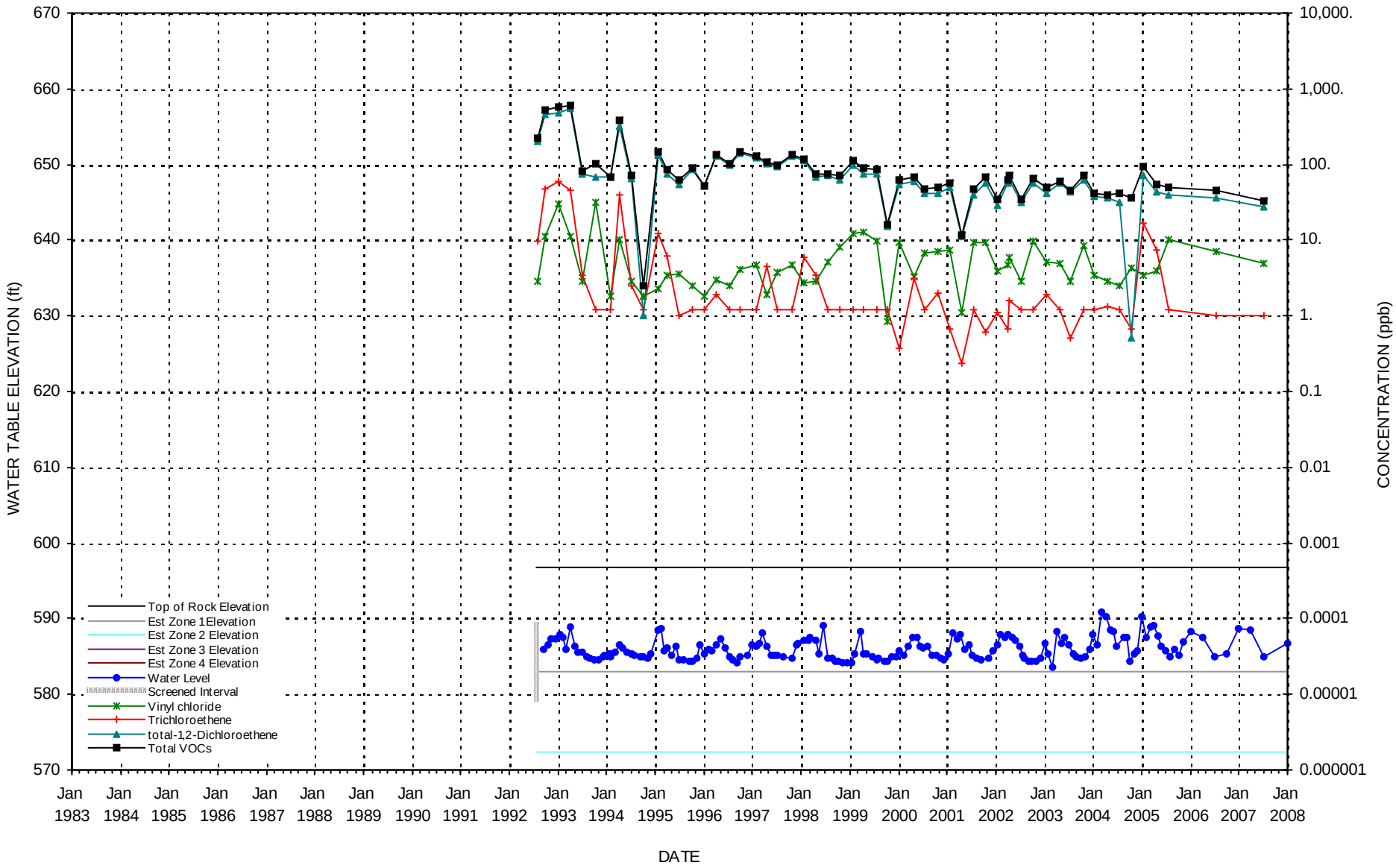


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-32M

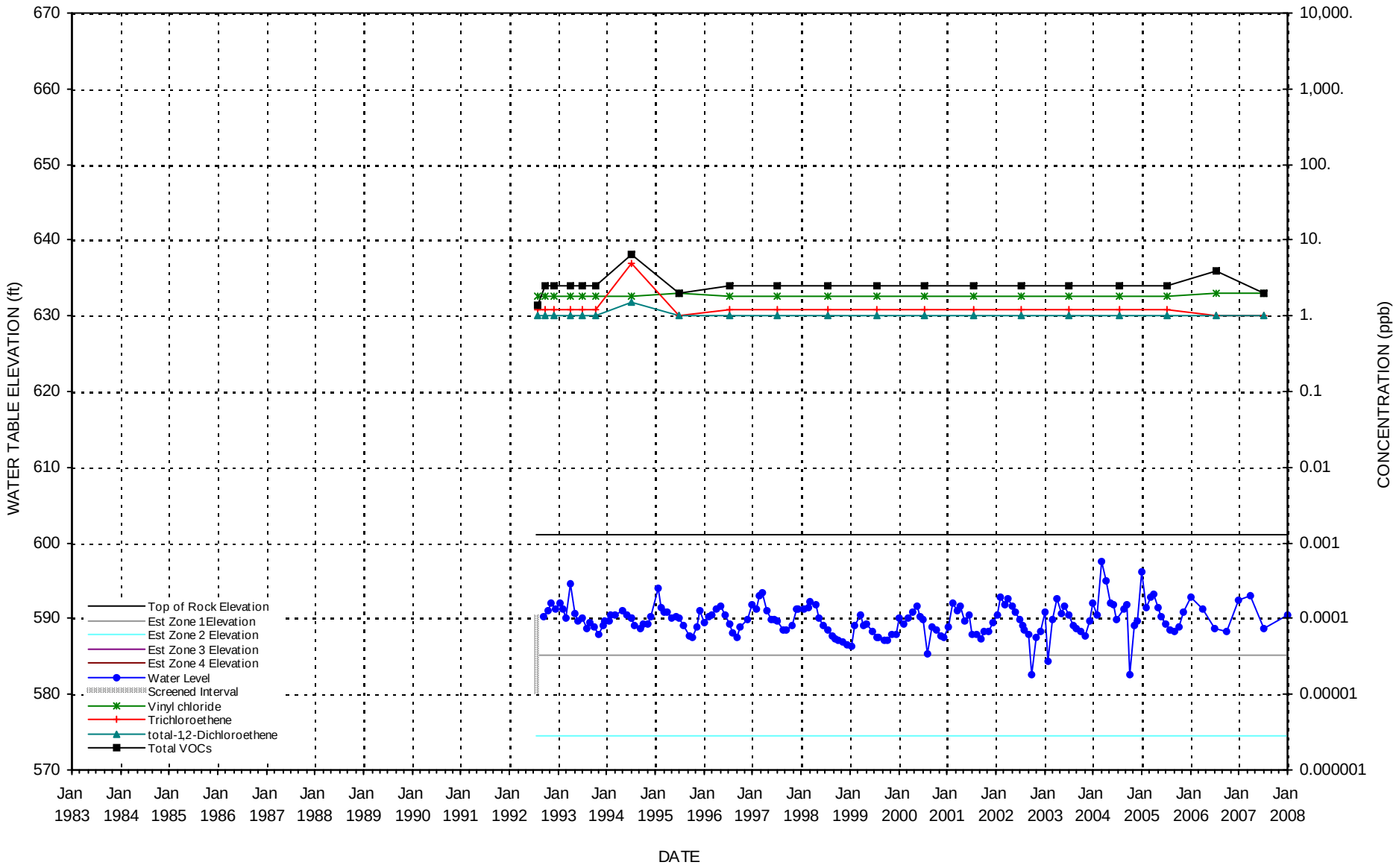


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-33M

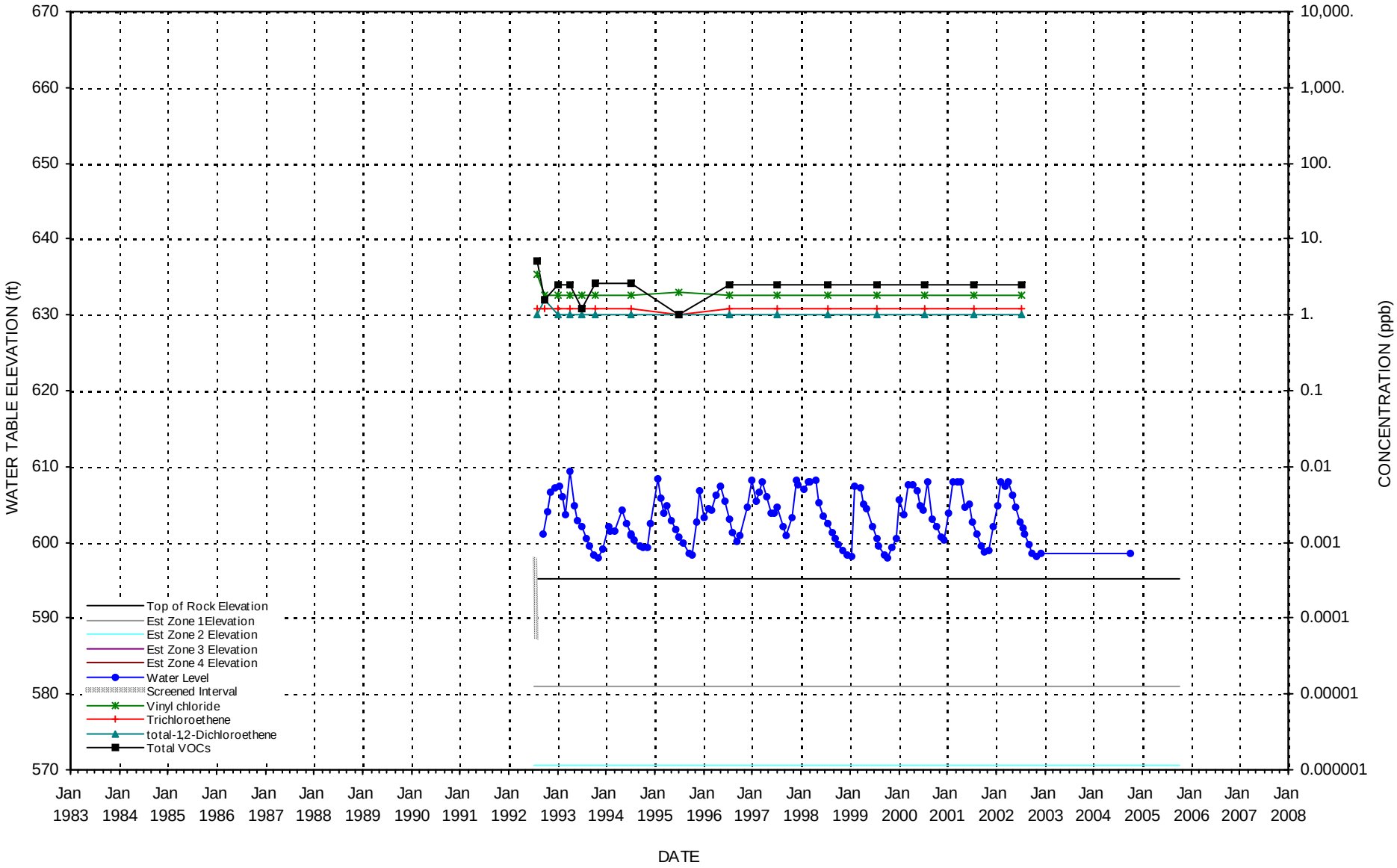


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-34M

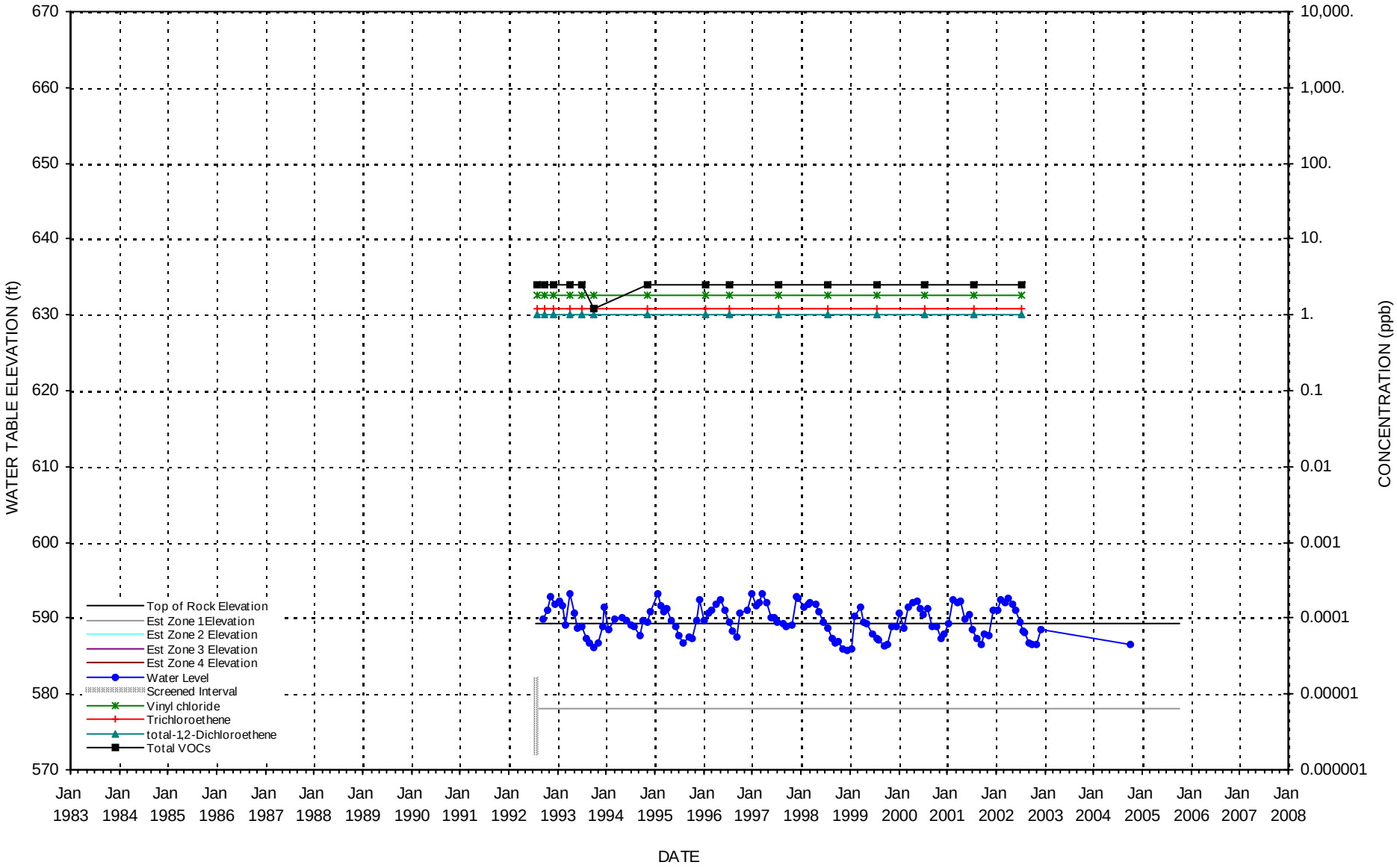


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-35M

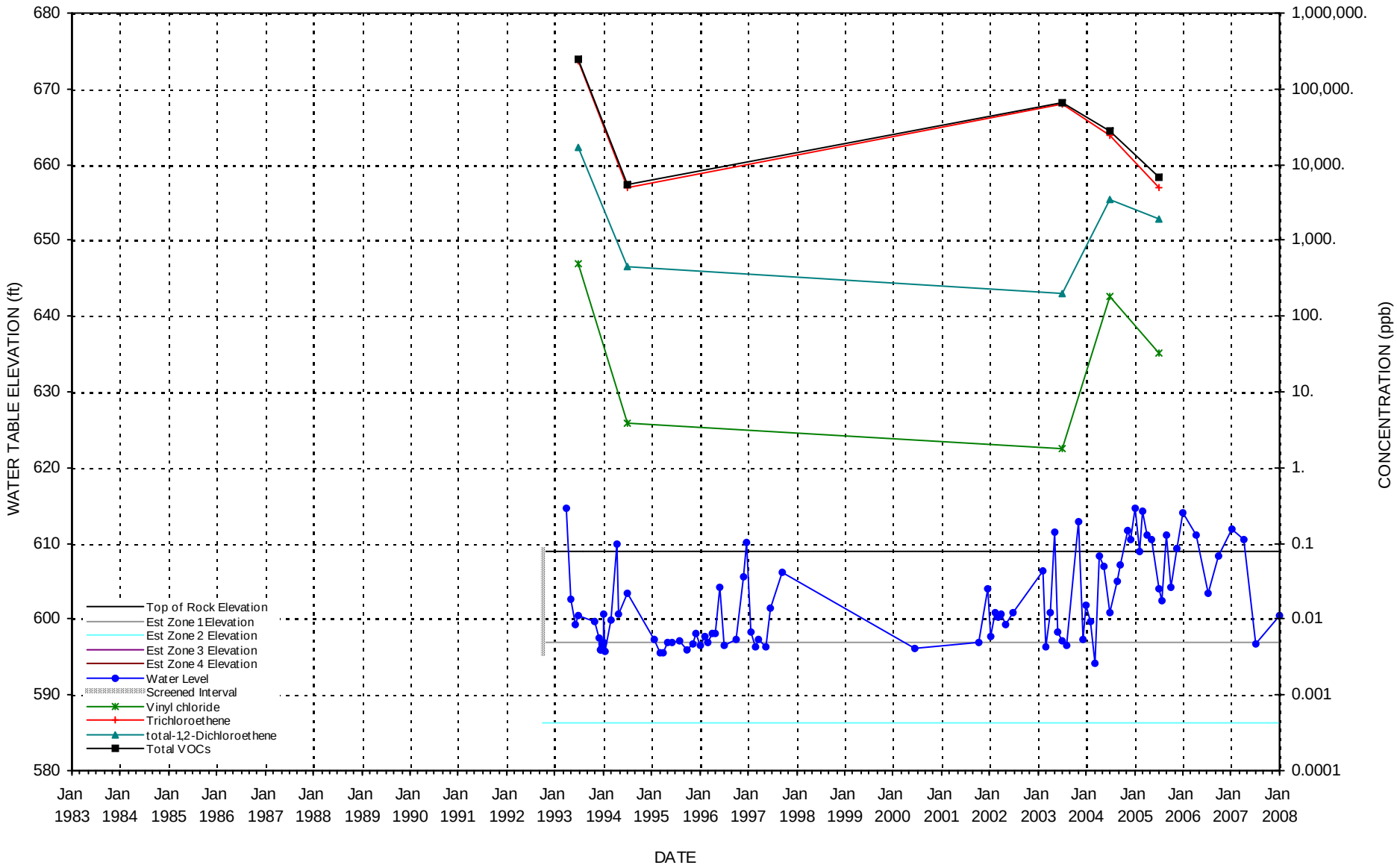


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-37M

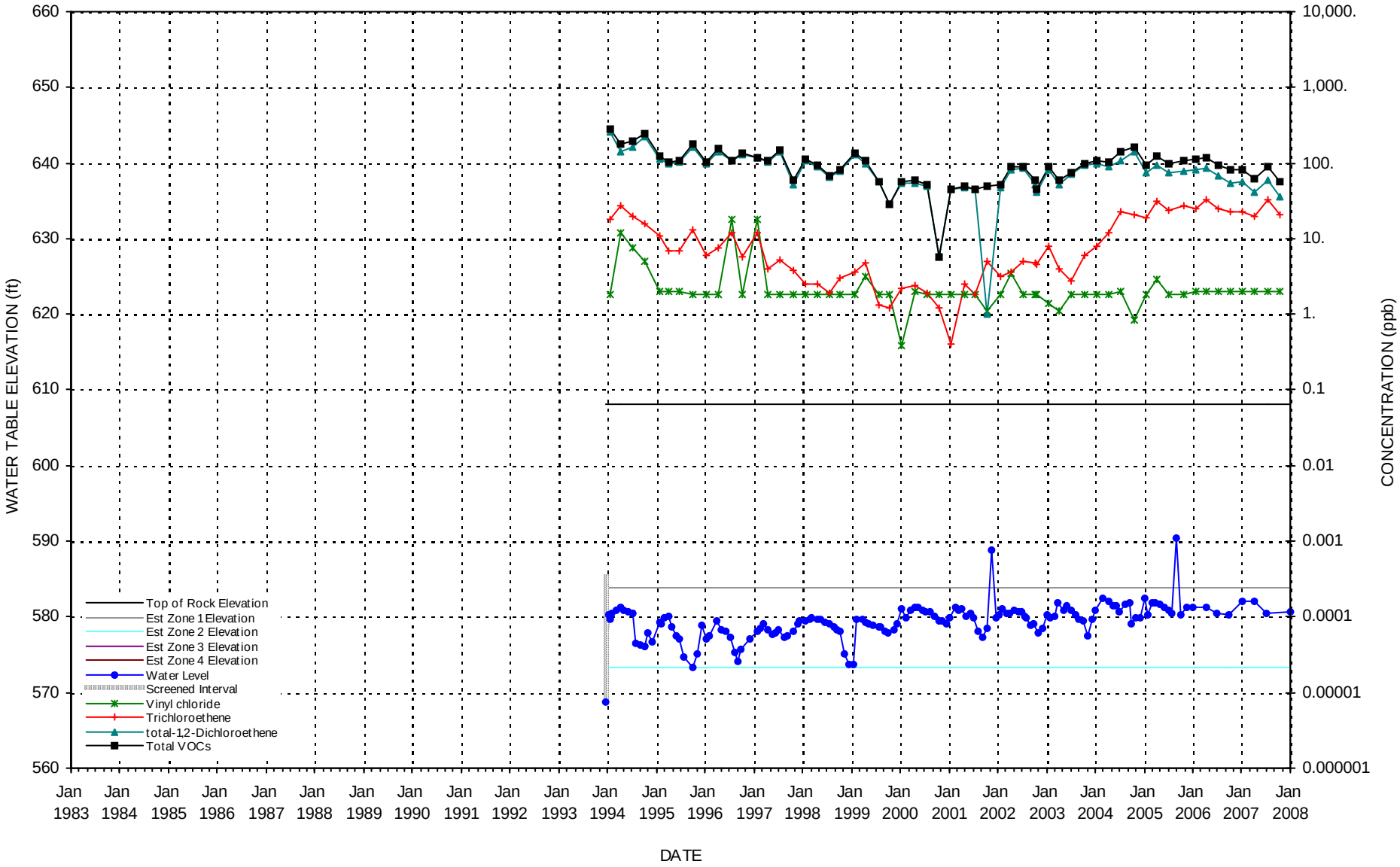


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

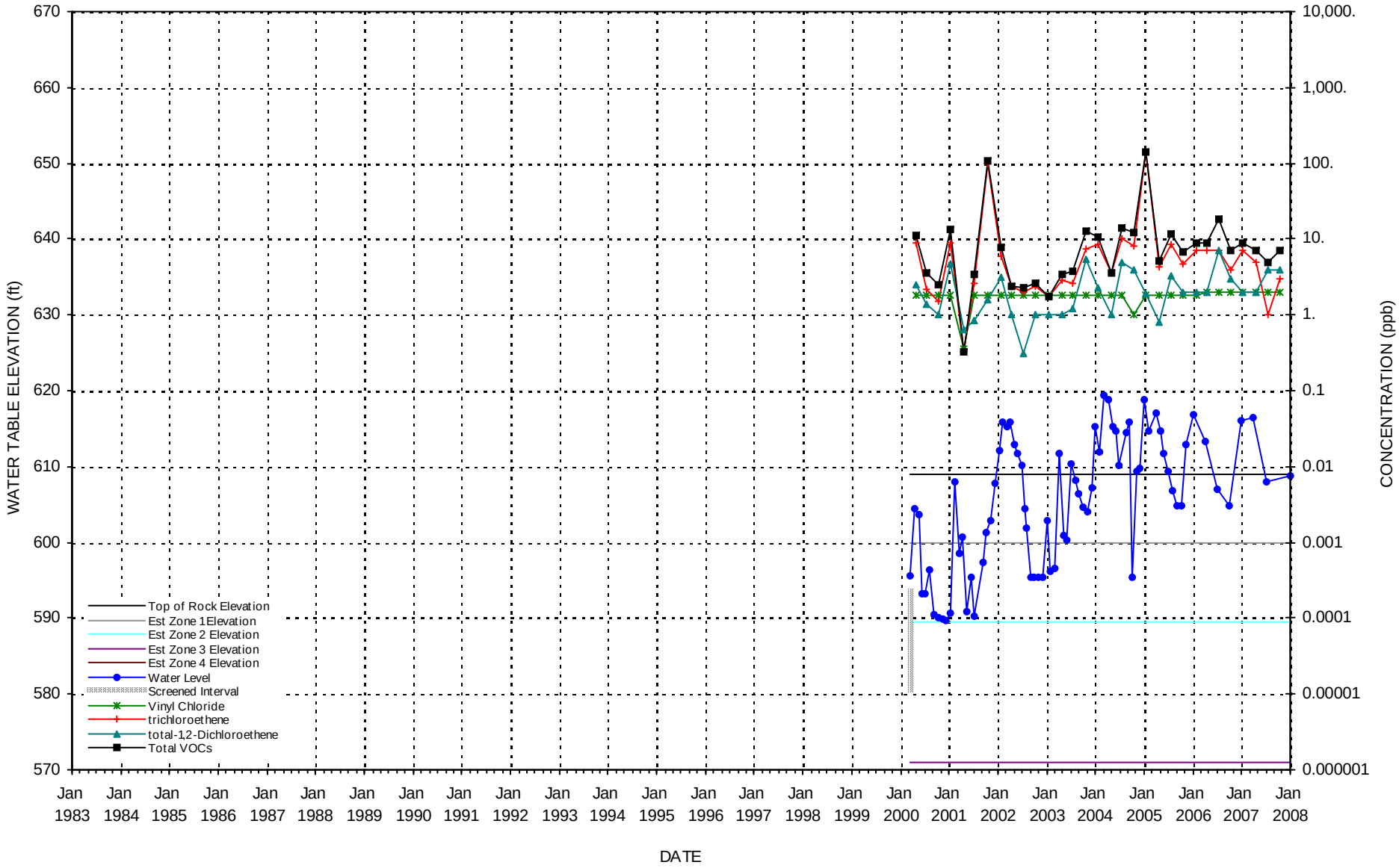
WELL B-38M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-39M



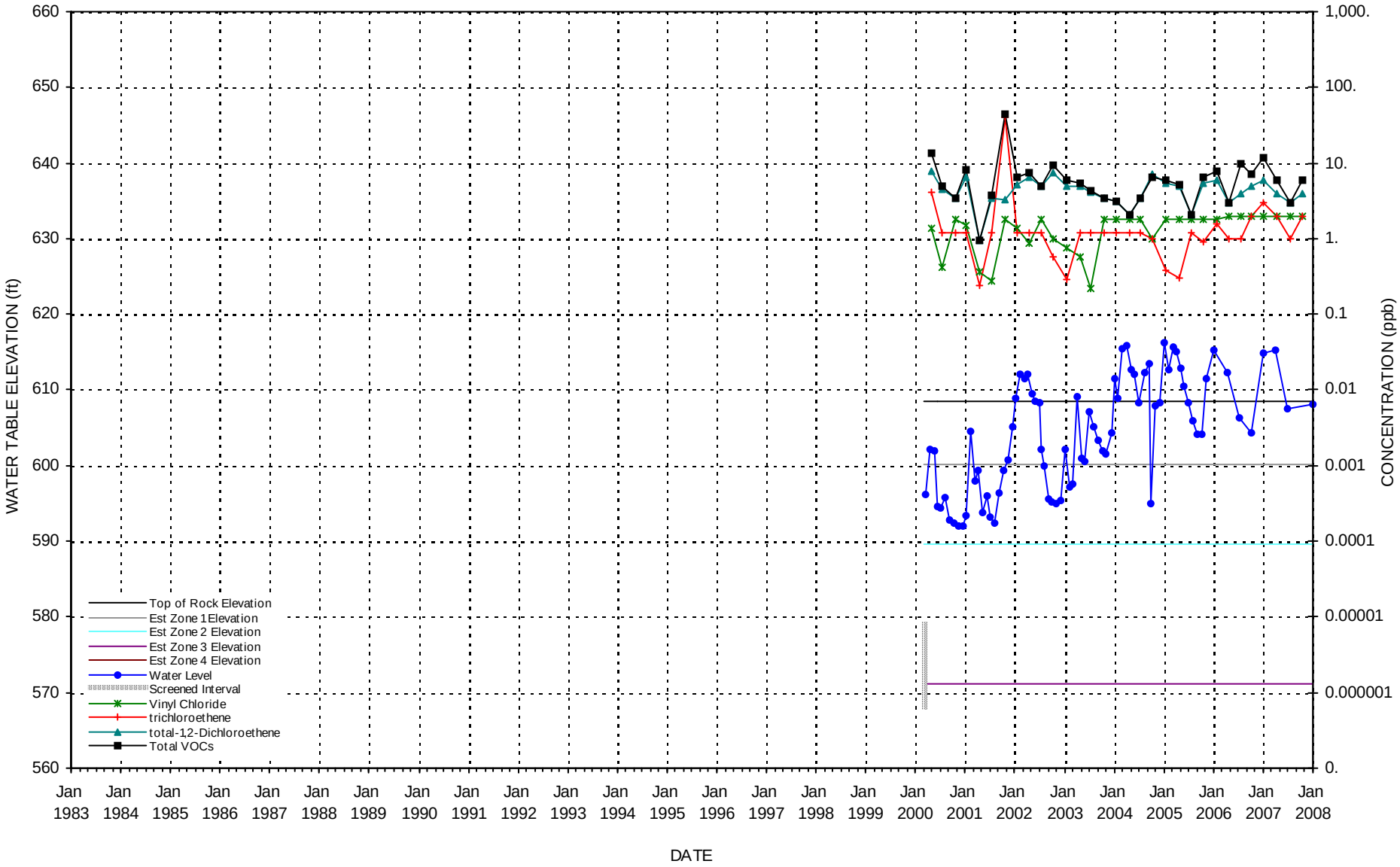
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-40M

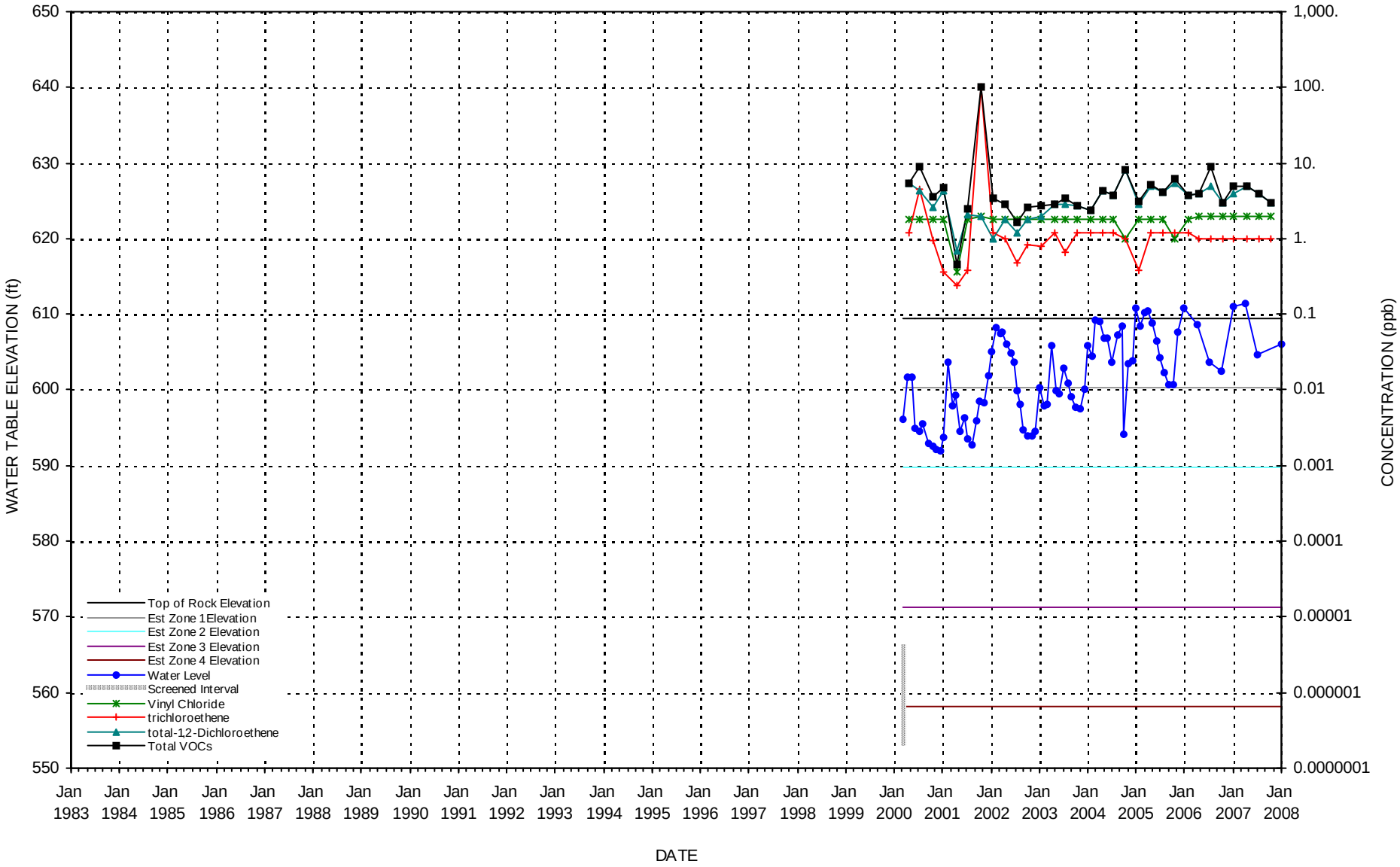


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

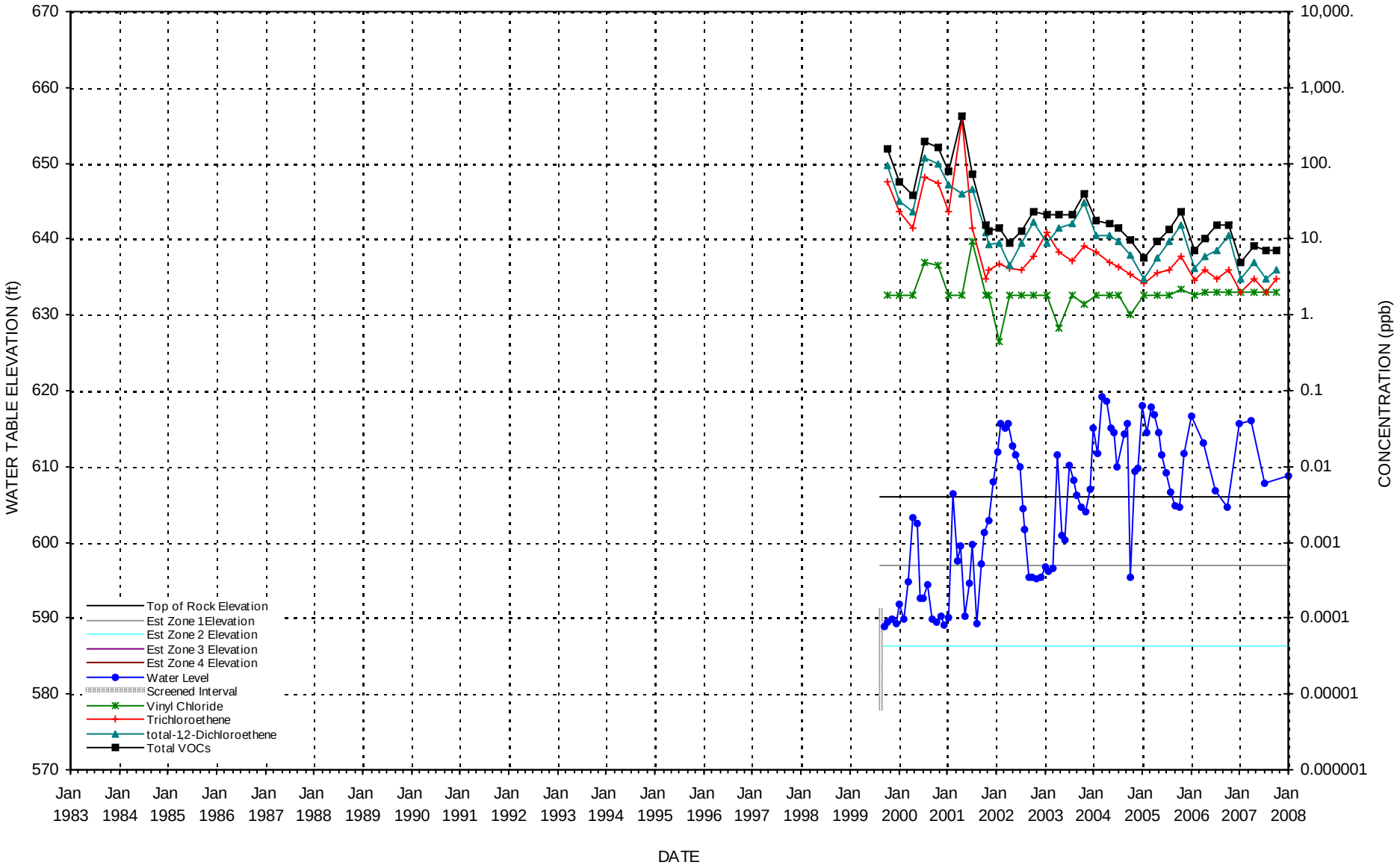
WELL B-41M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-42M

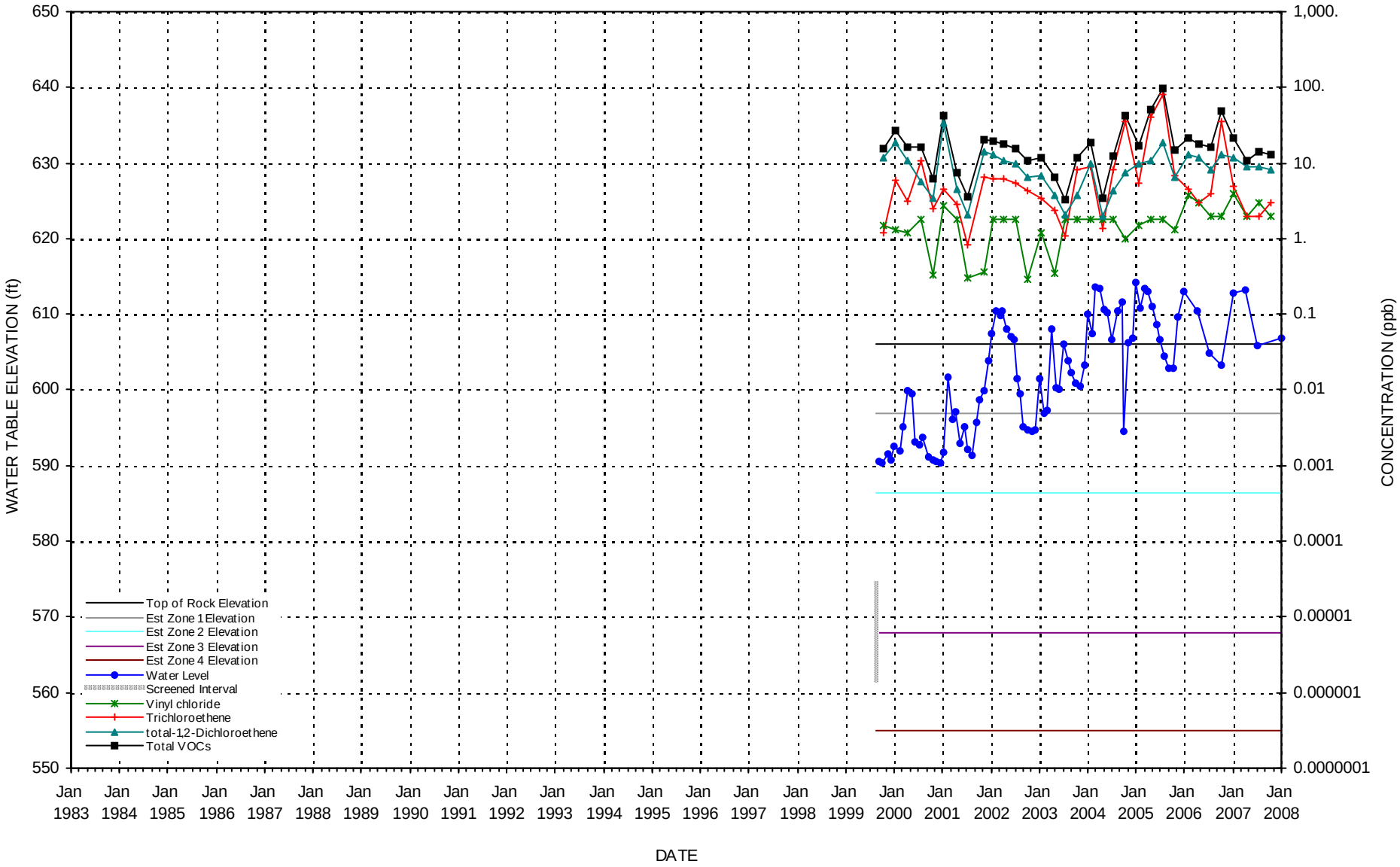


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

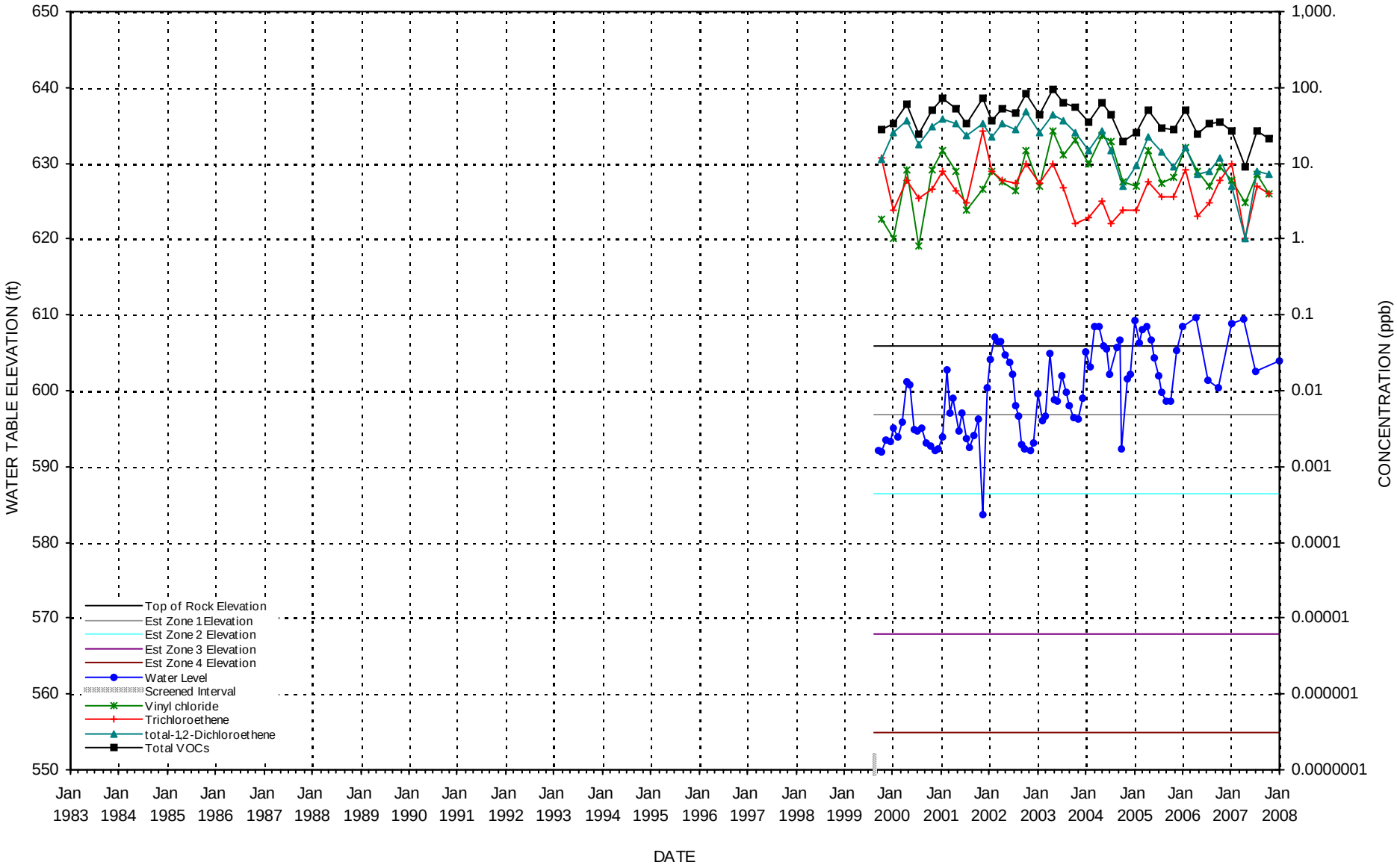
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-43M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-44M



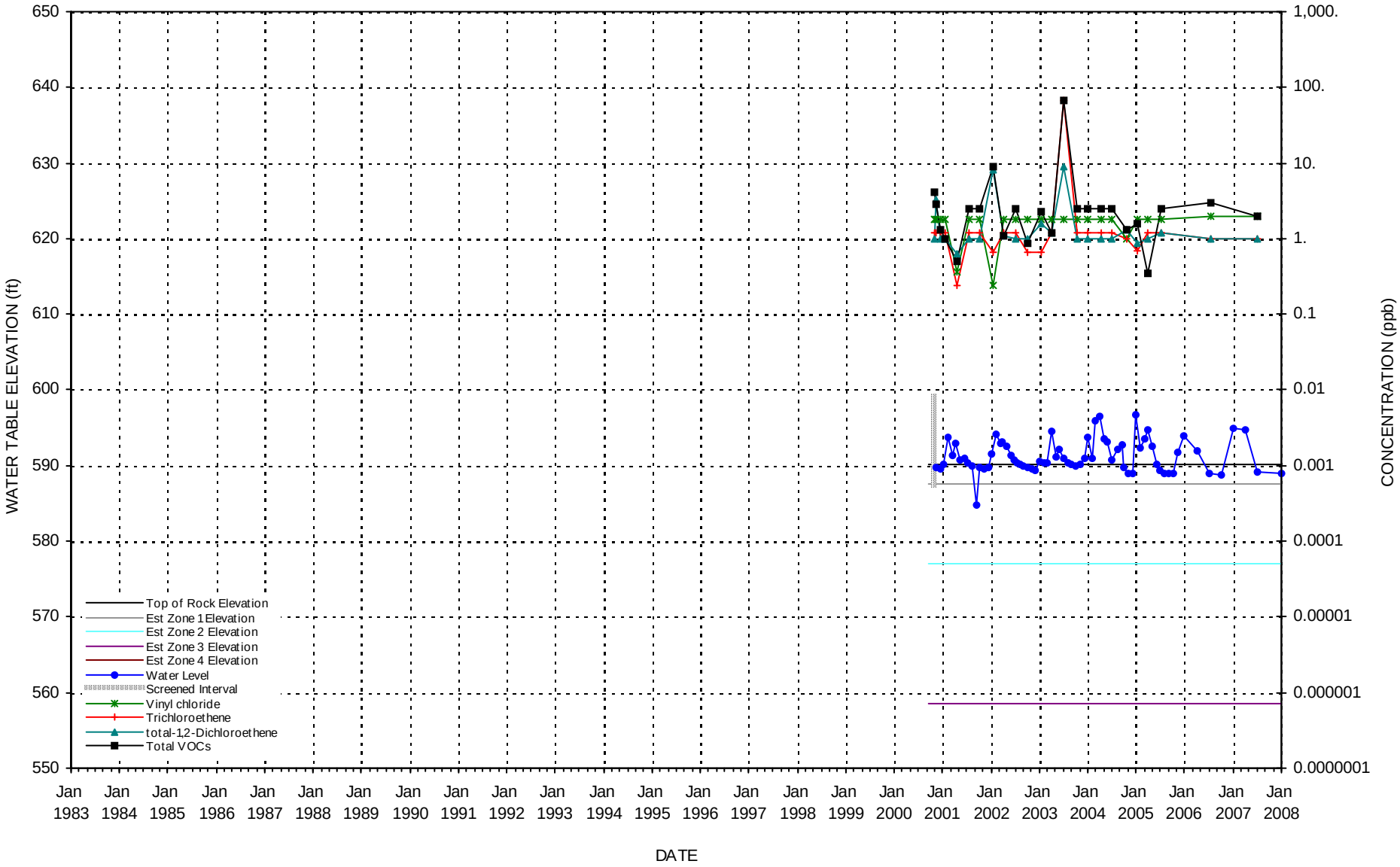
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-45M

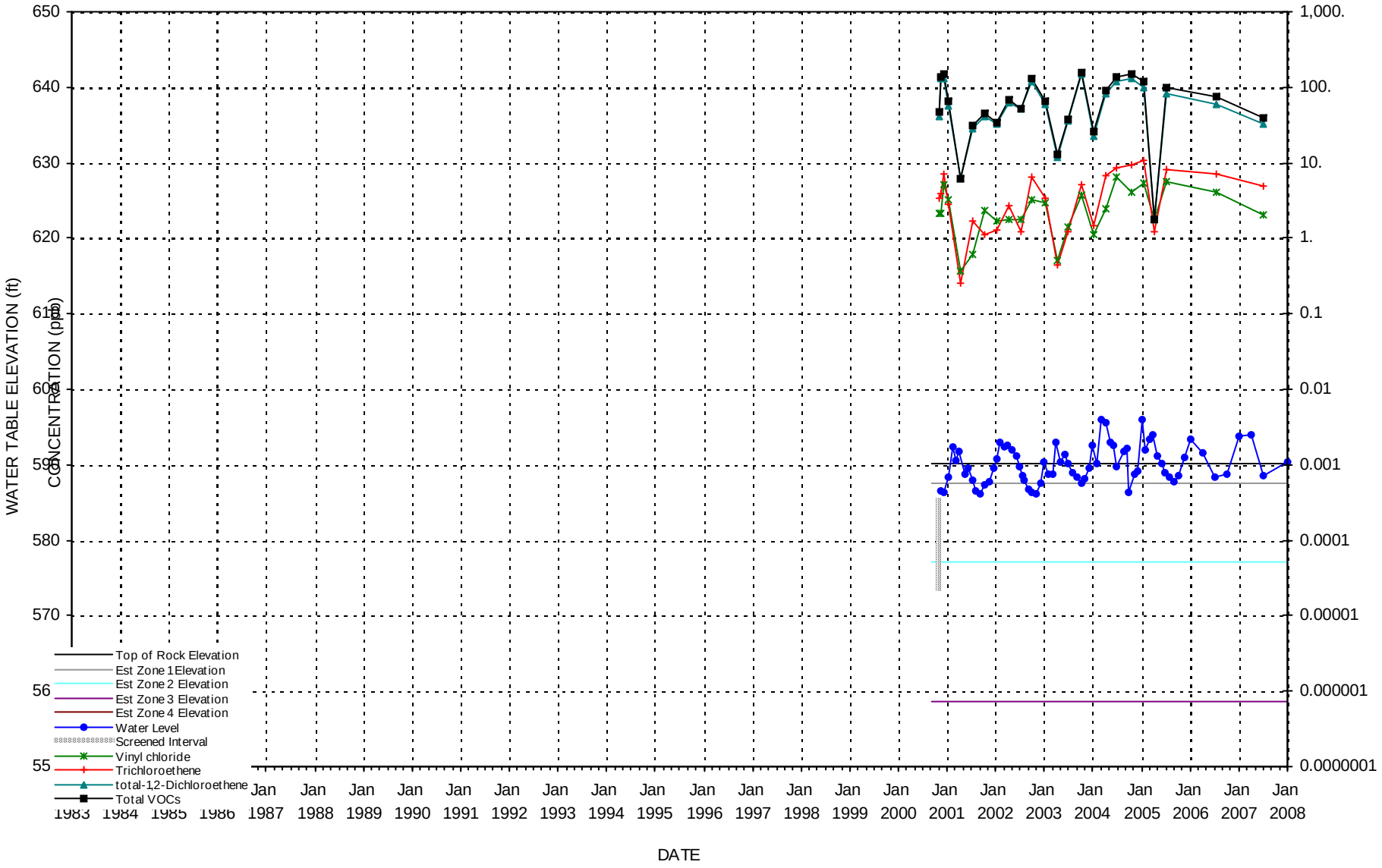


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

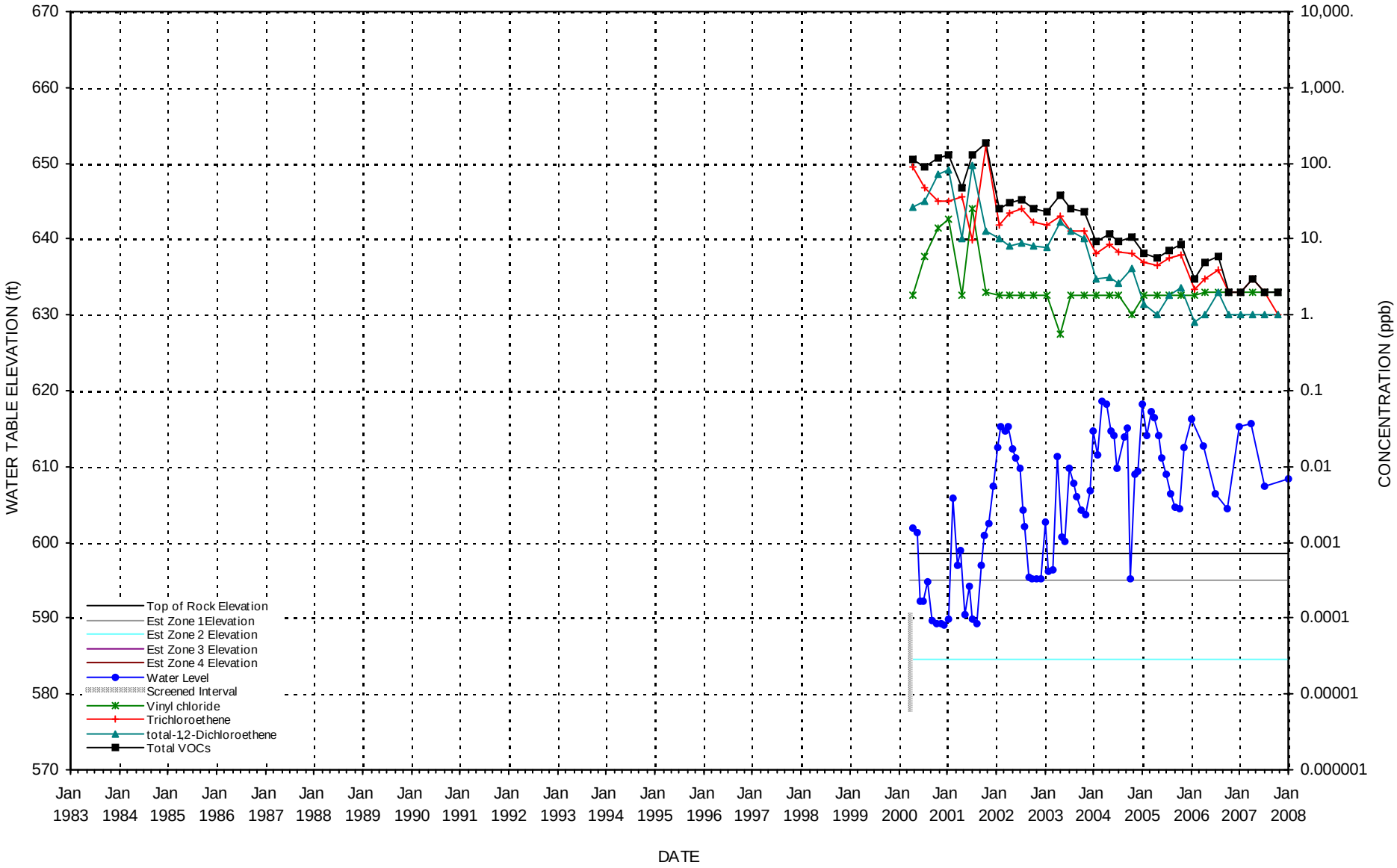
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-46M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-48M

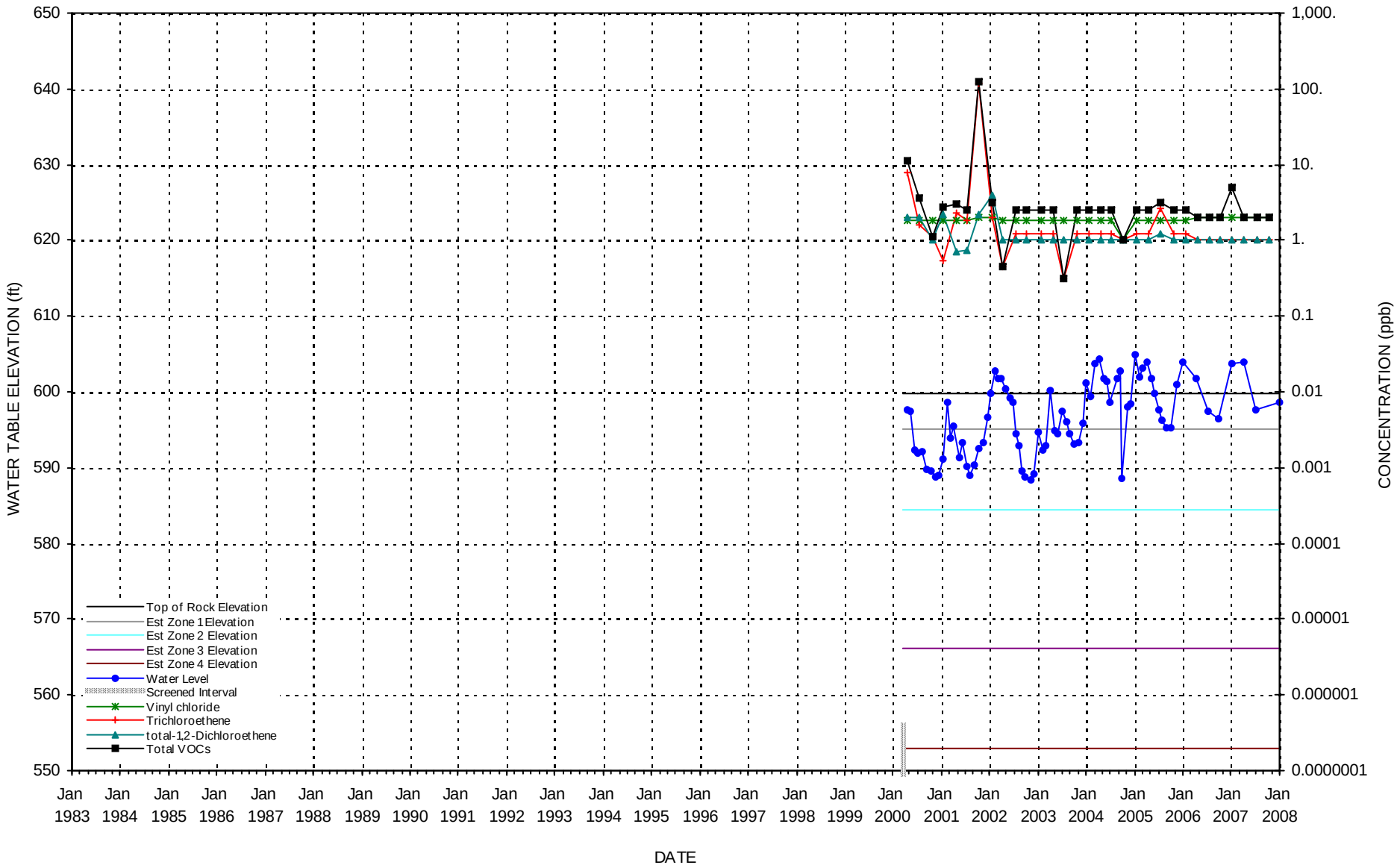


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

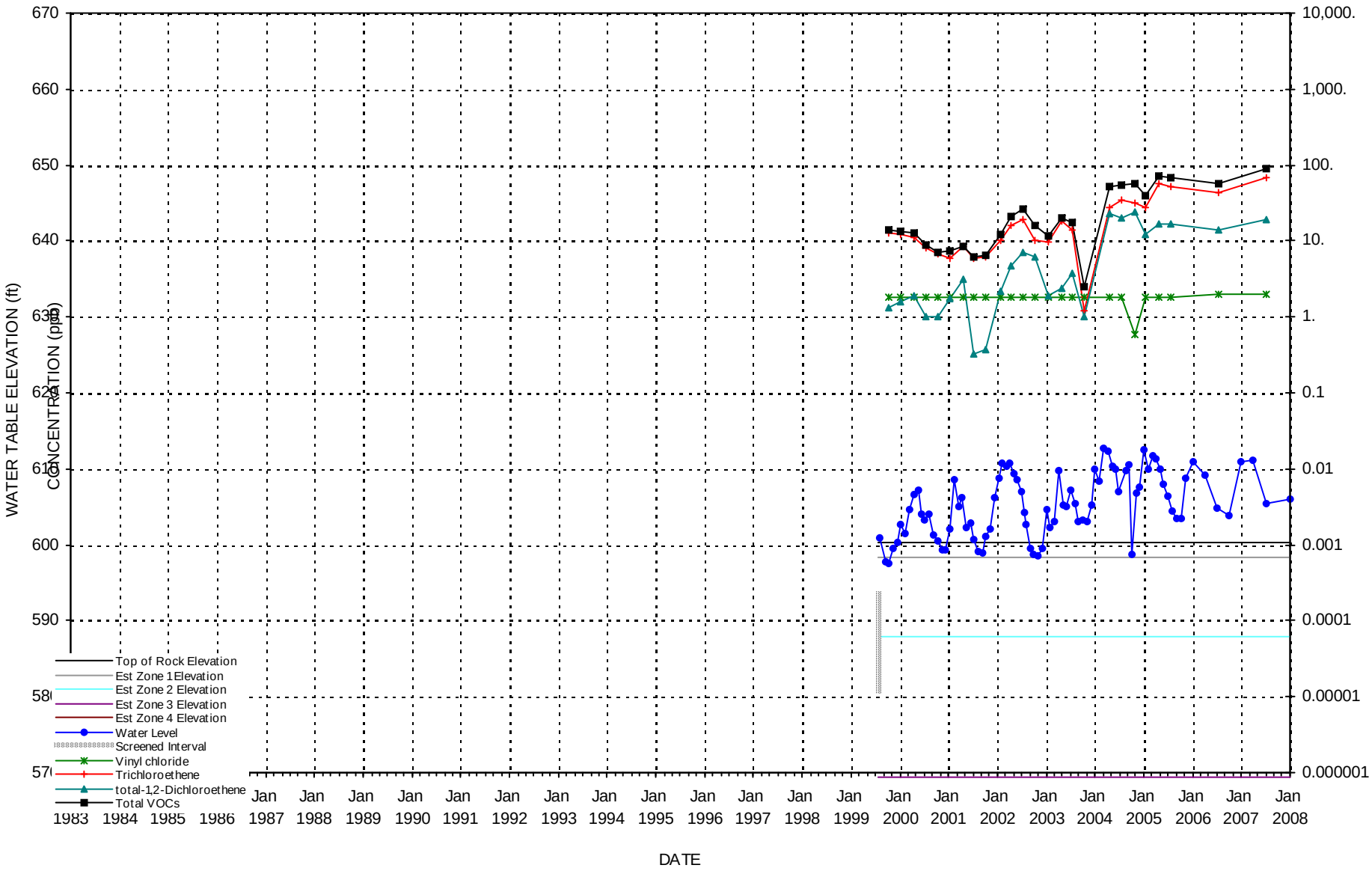
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-49M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-50M

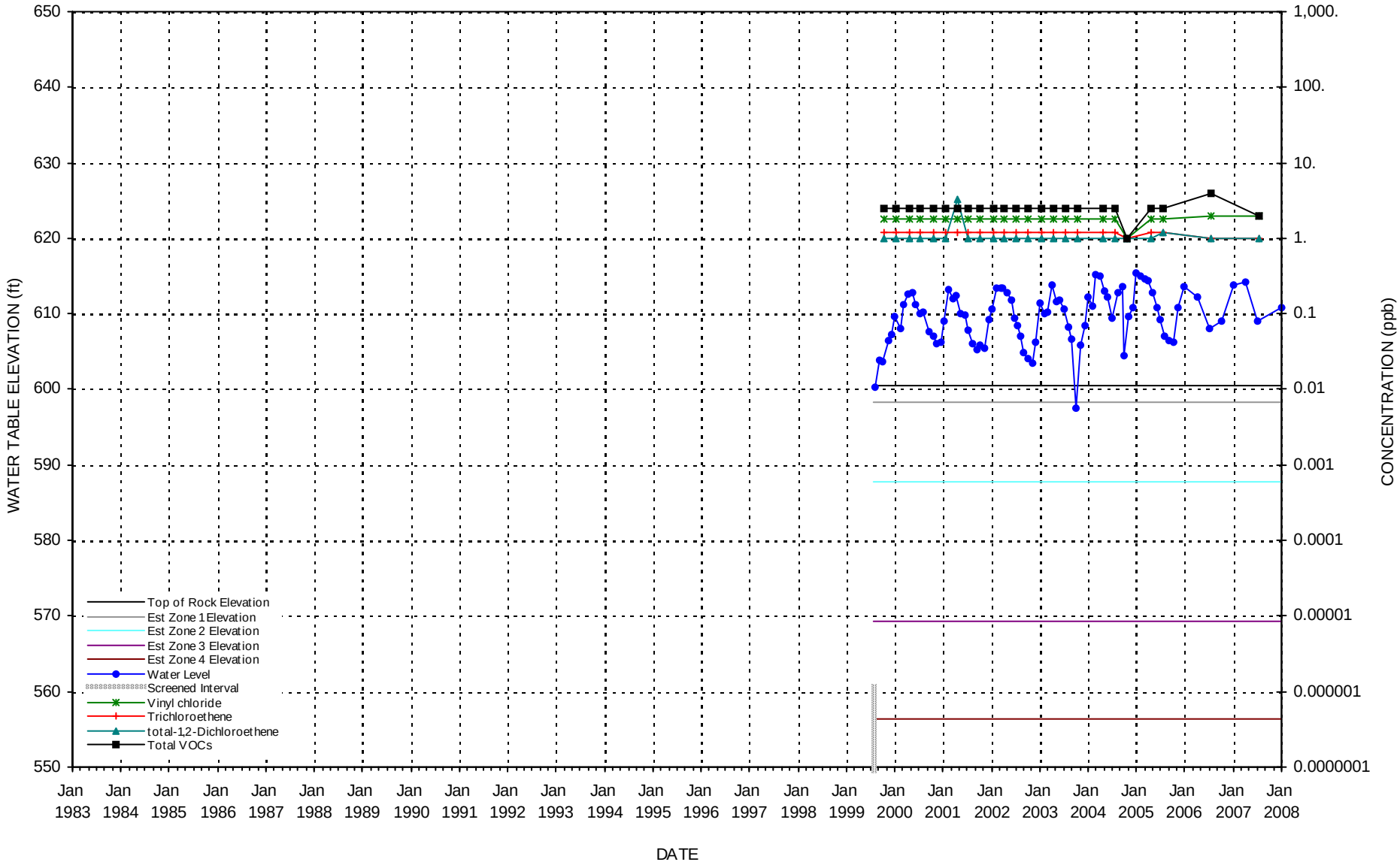


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-51M

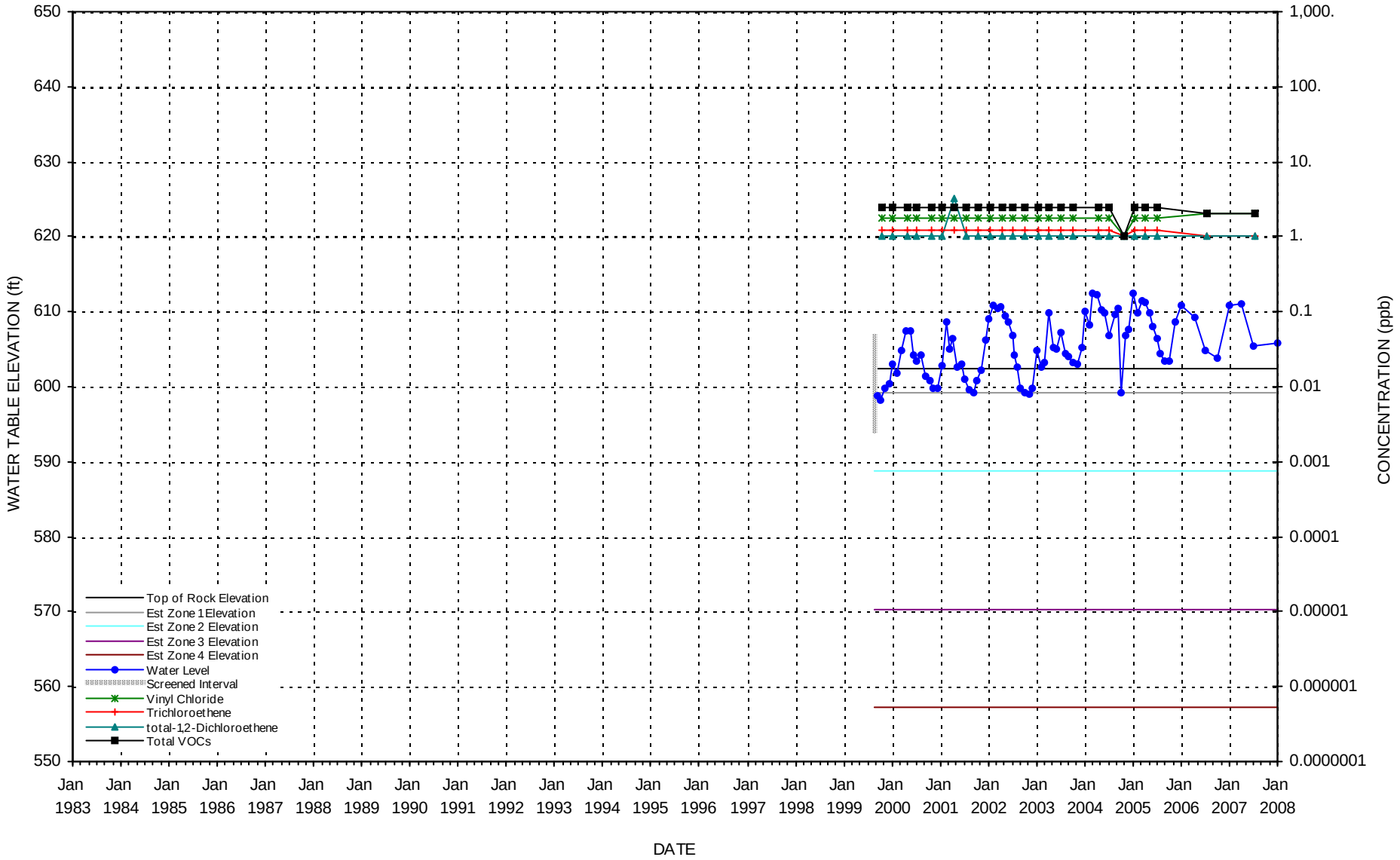


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-52M

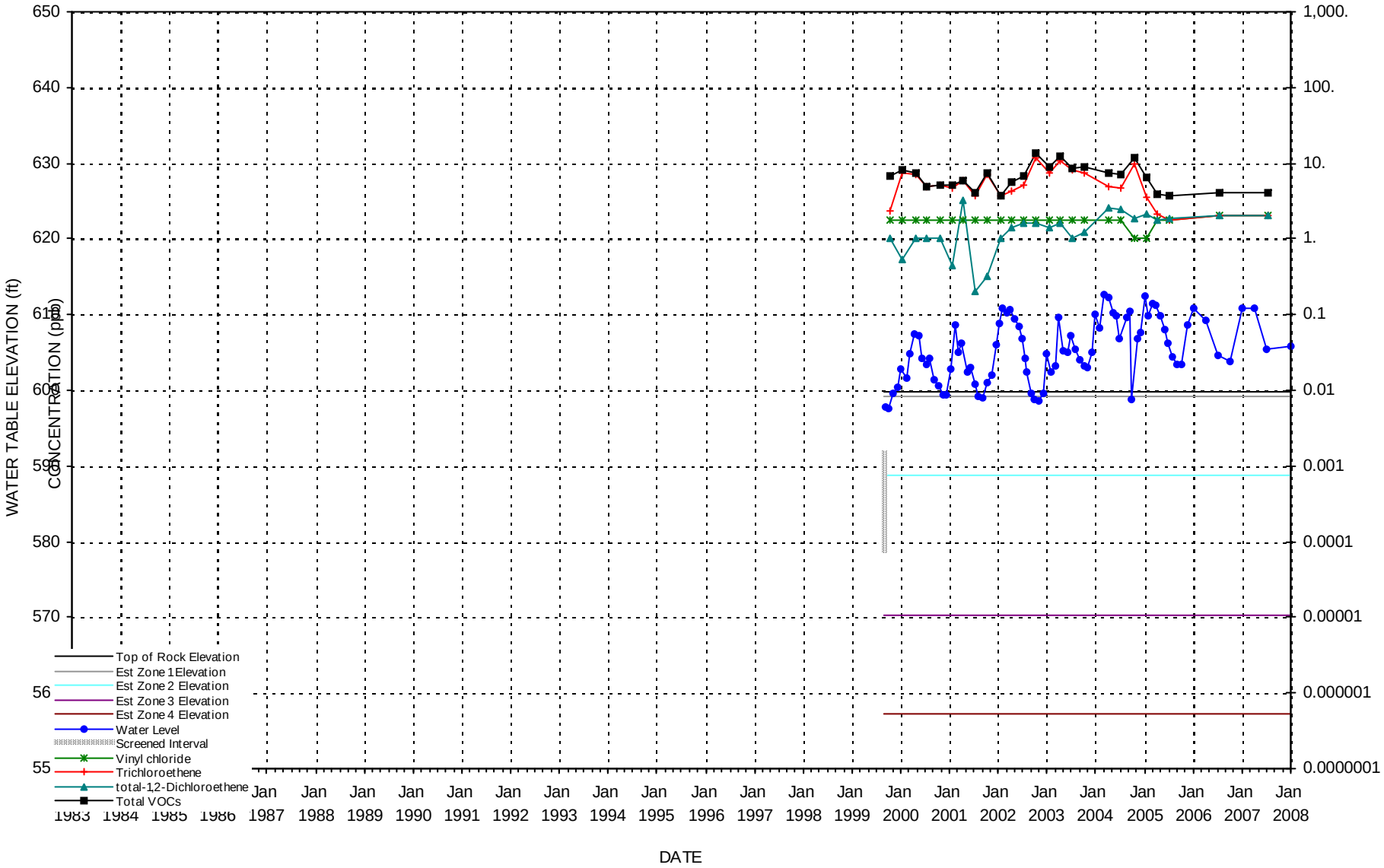


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

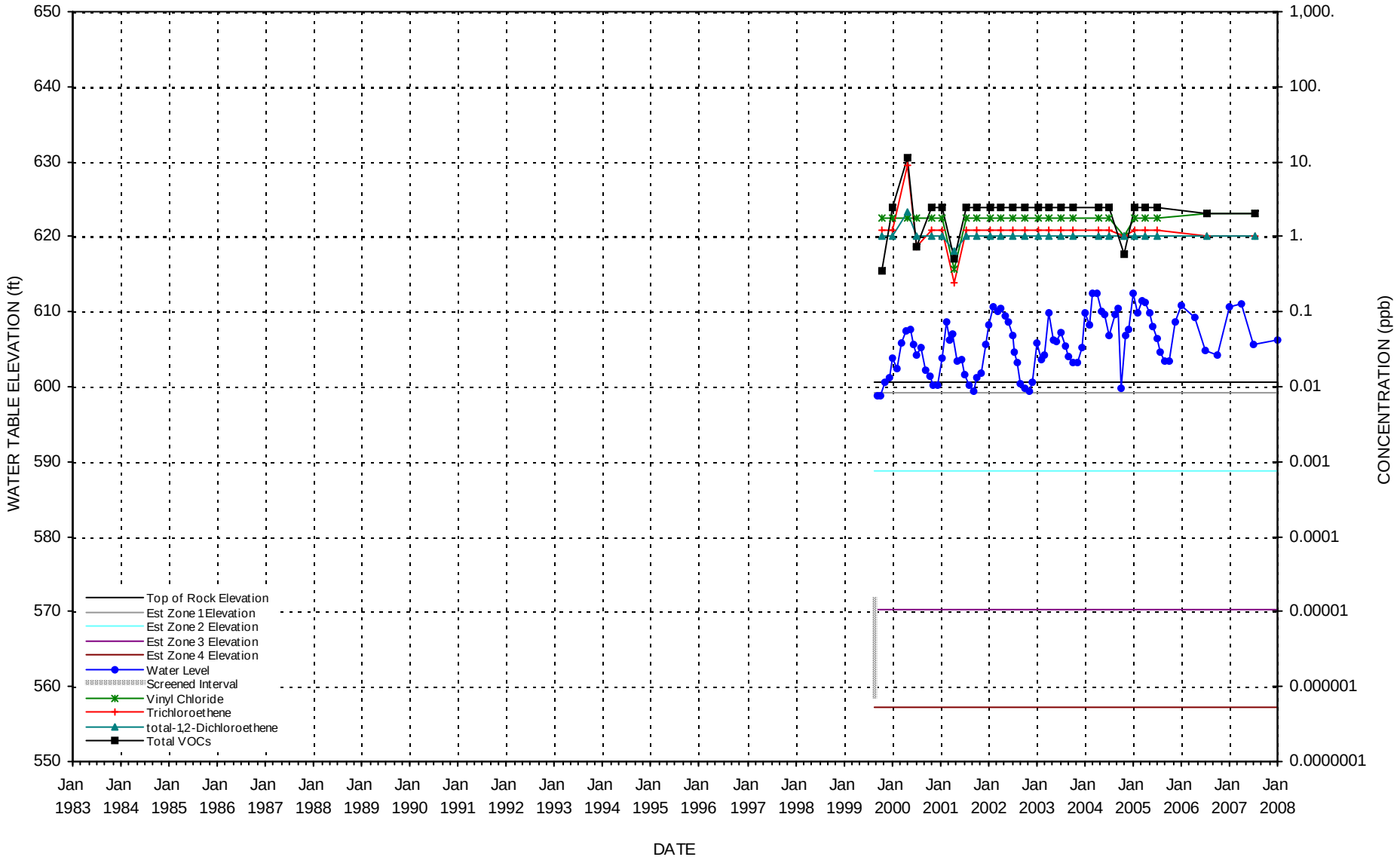
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-53M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-54M

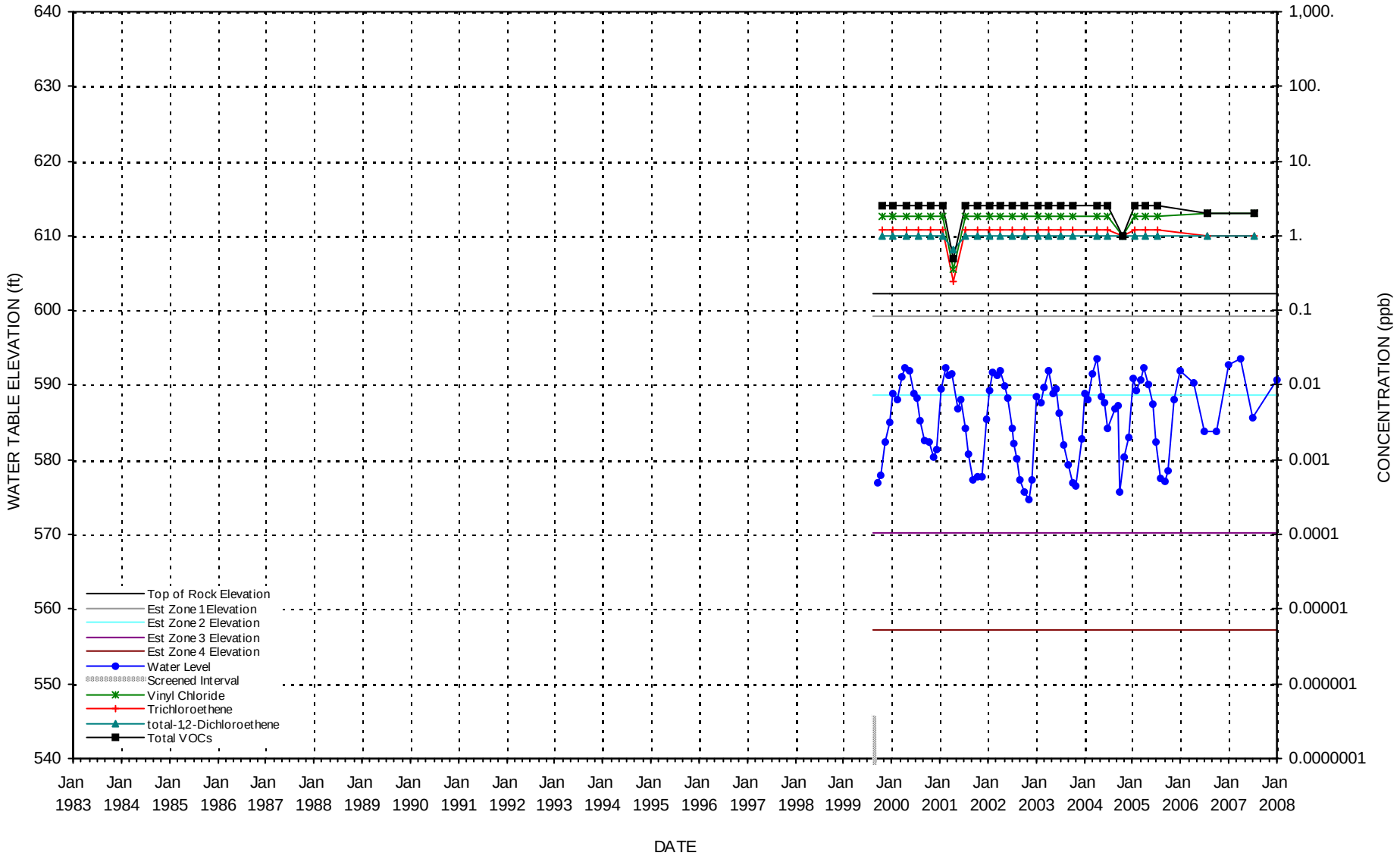


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-55M

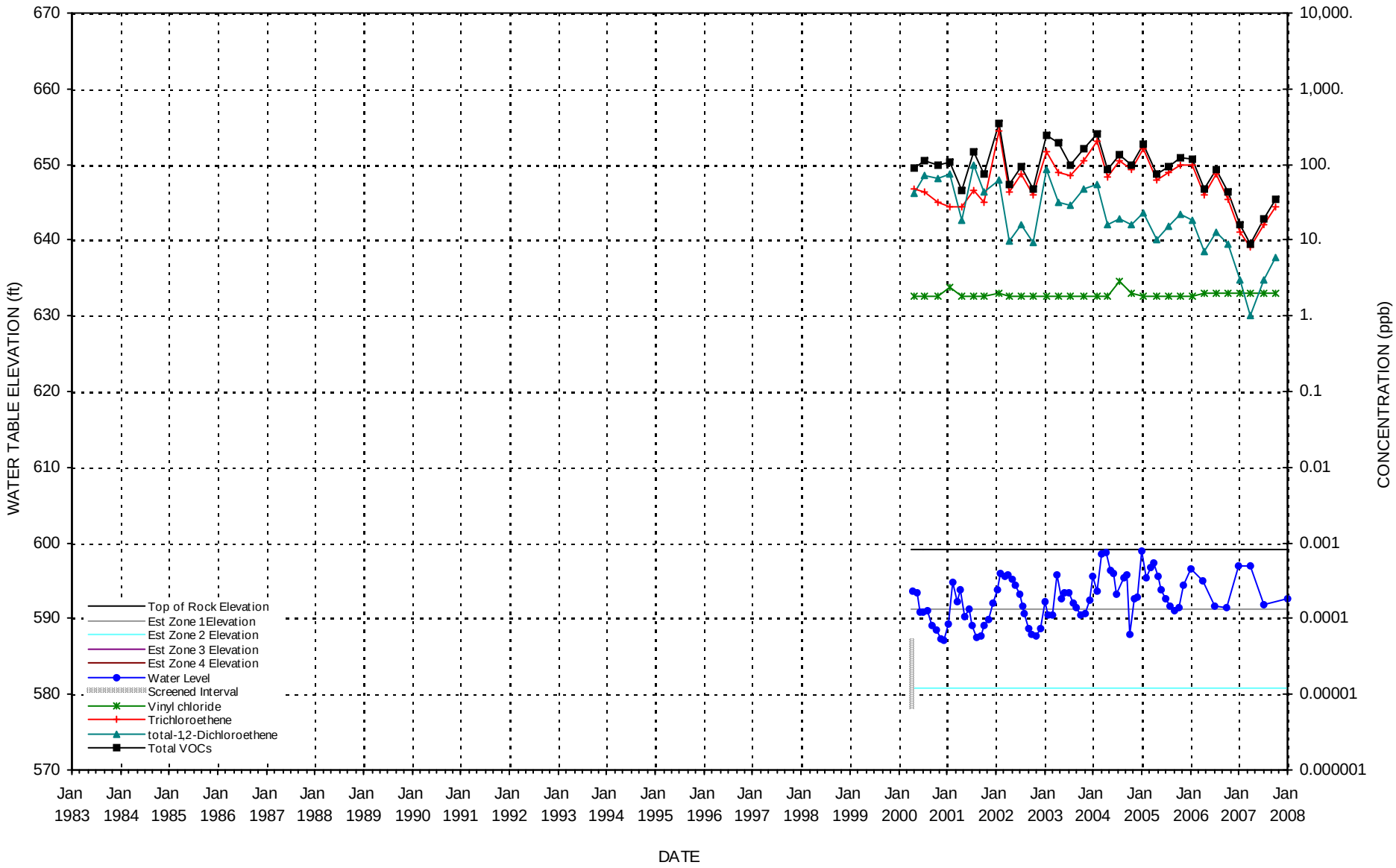


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-56M

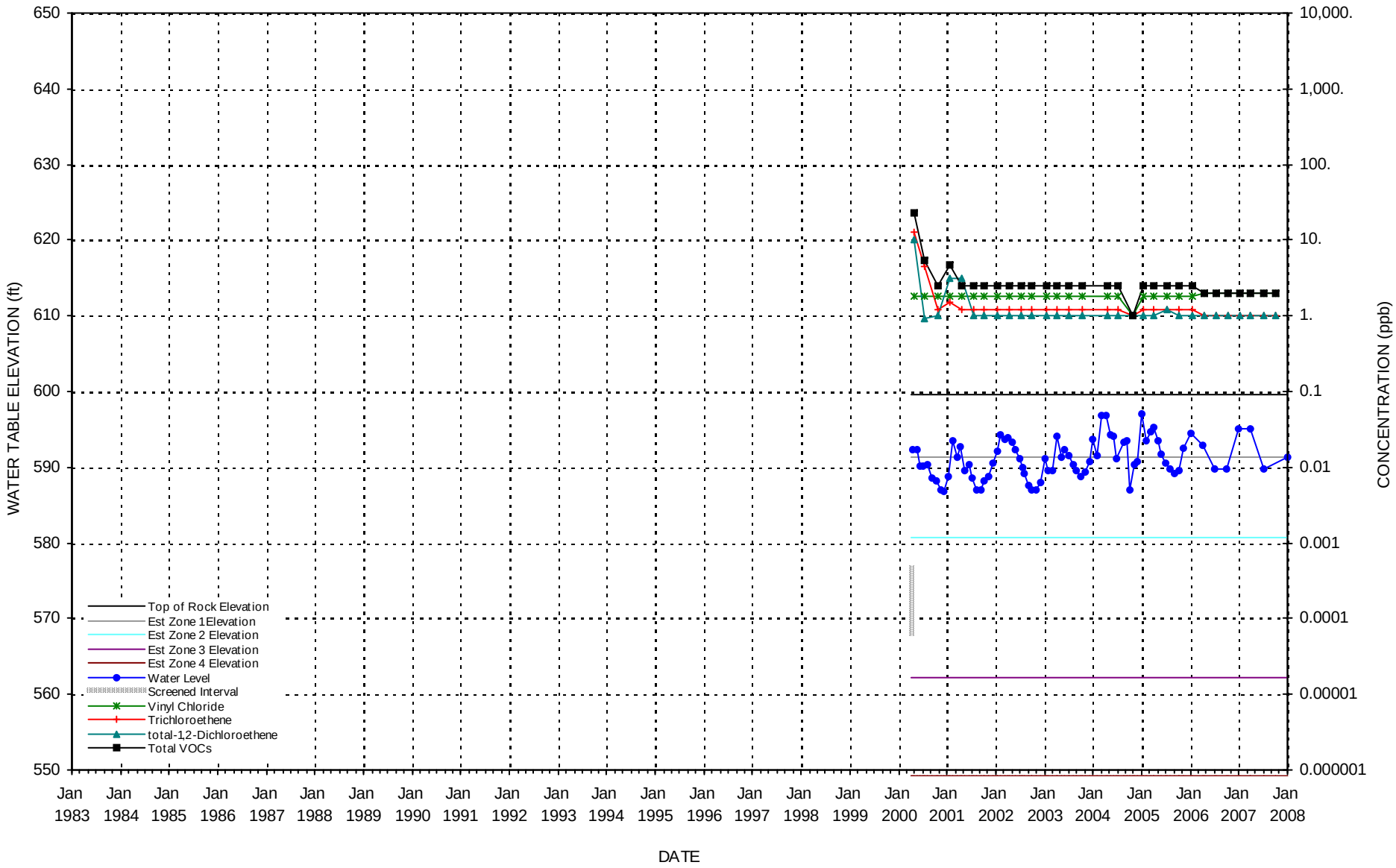


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-57M

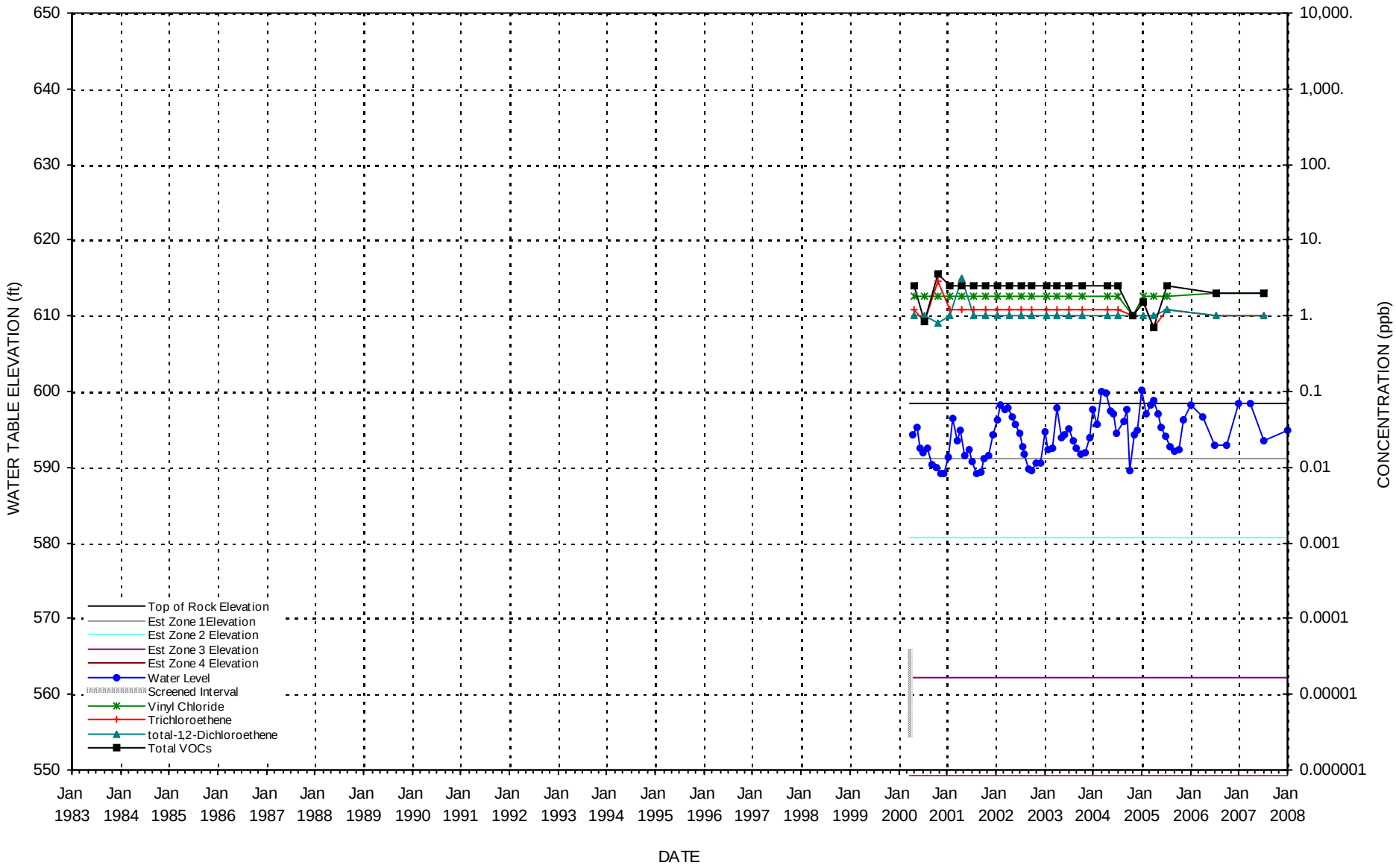


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-58M

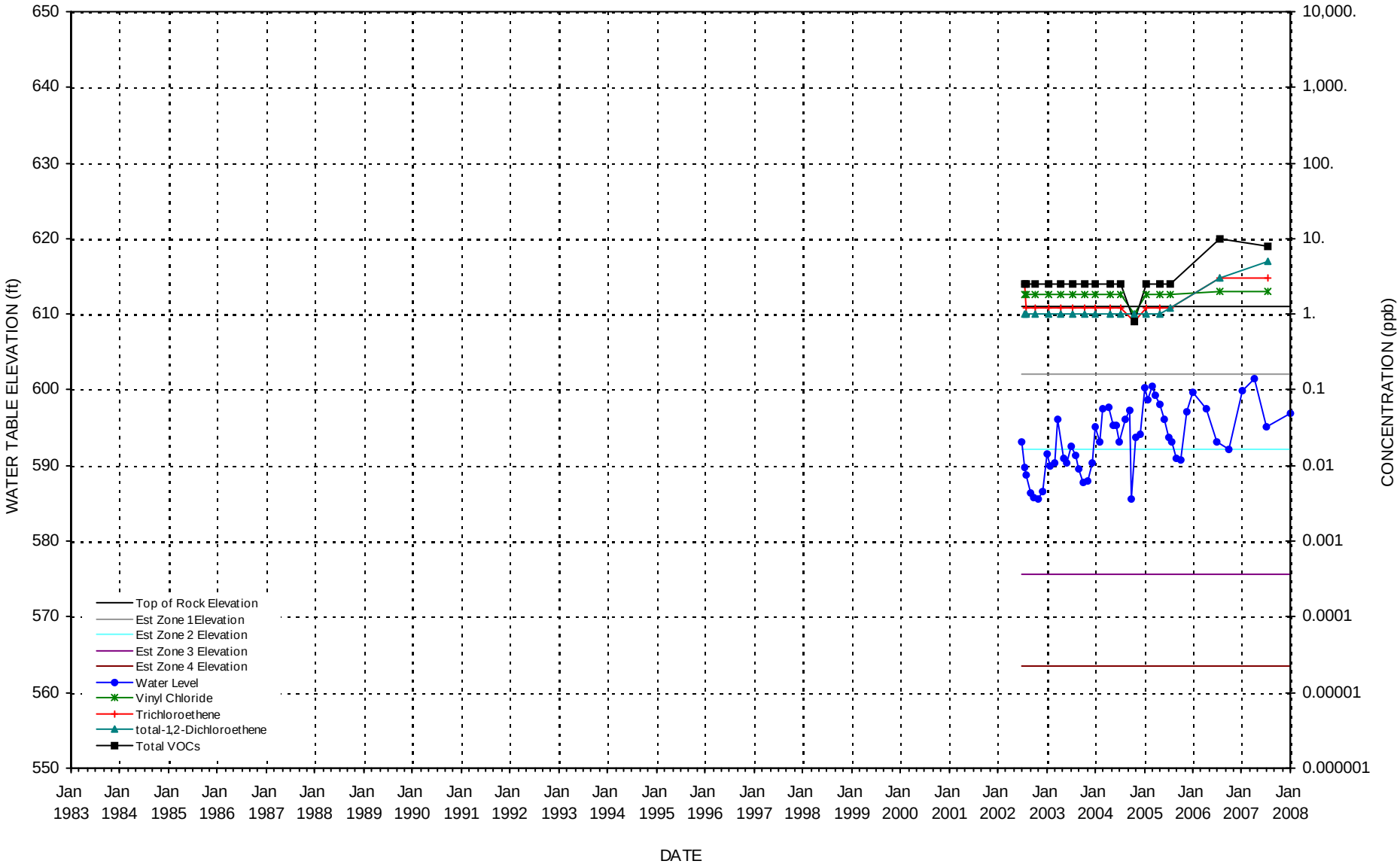


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-59M

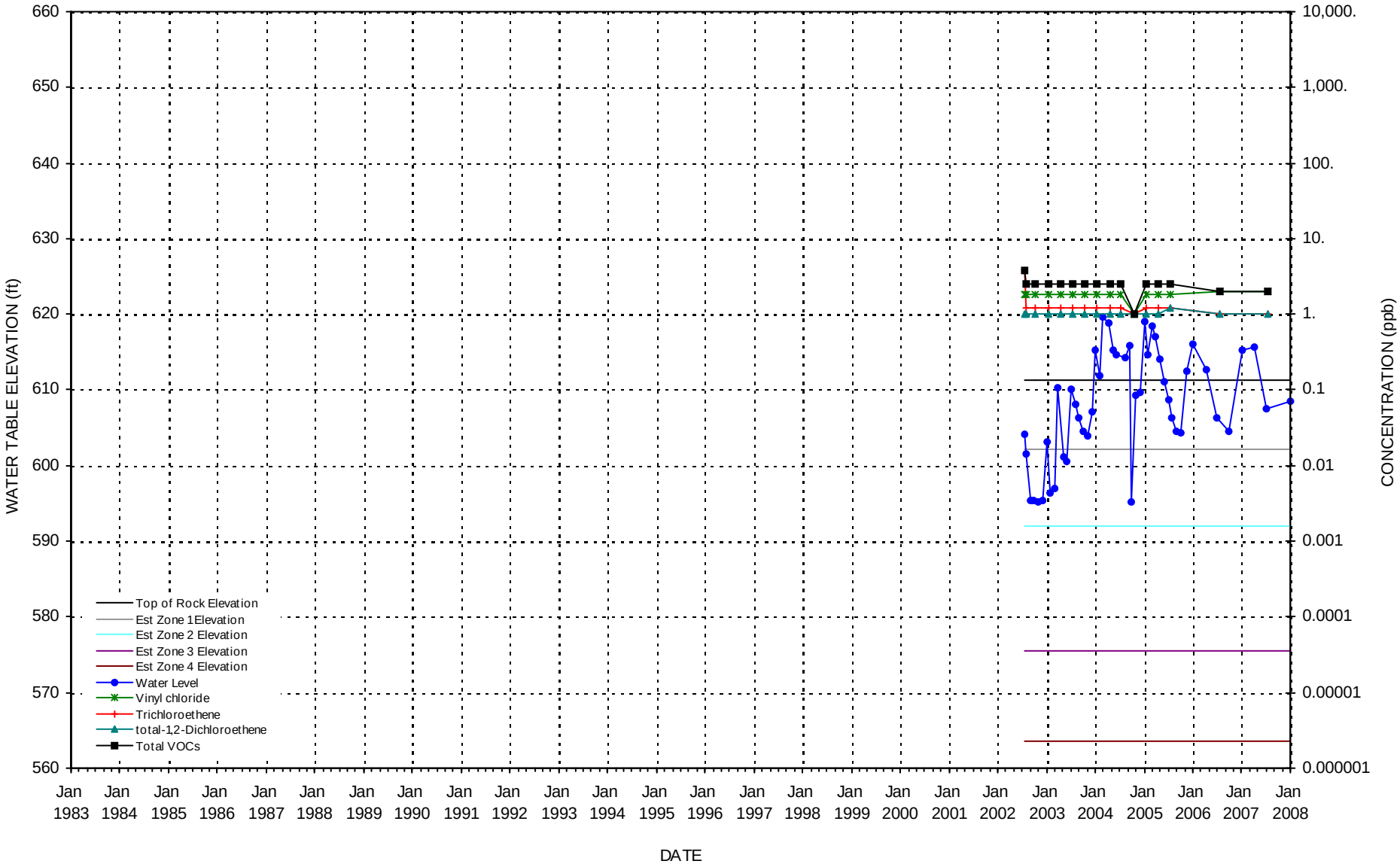


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

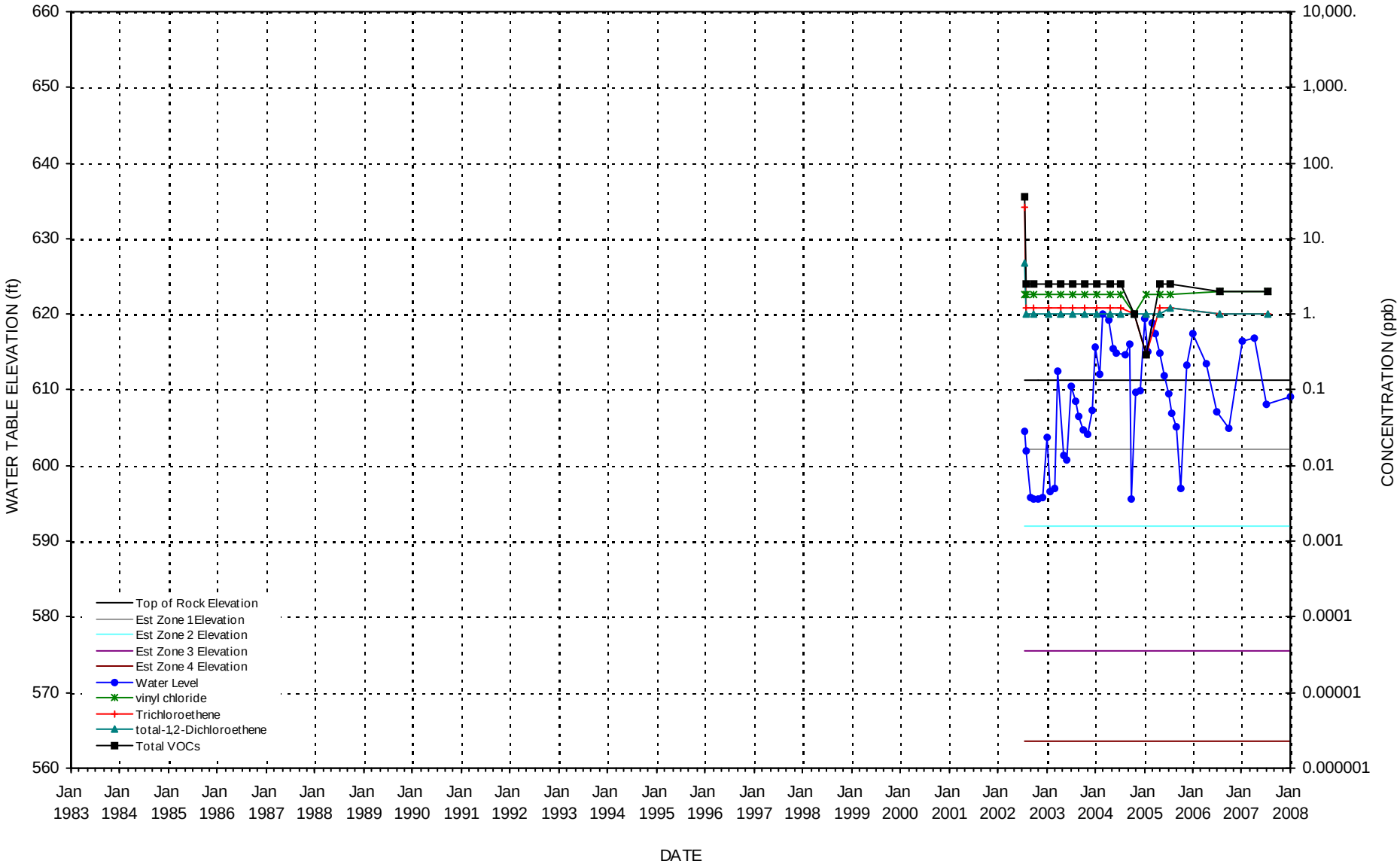
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-60M



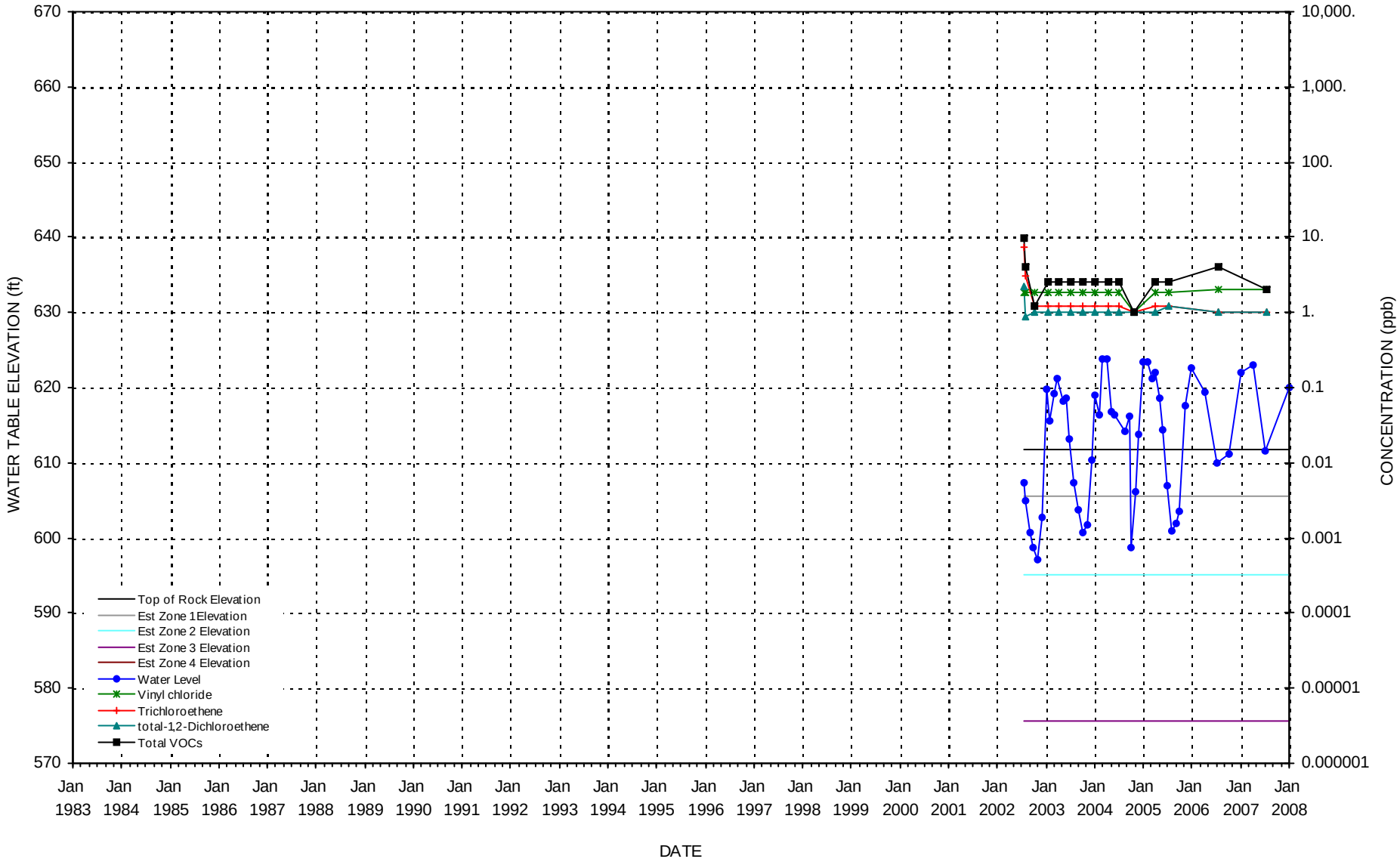
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-61M



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-62M

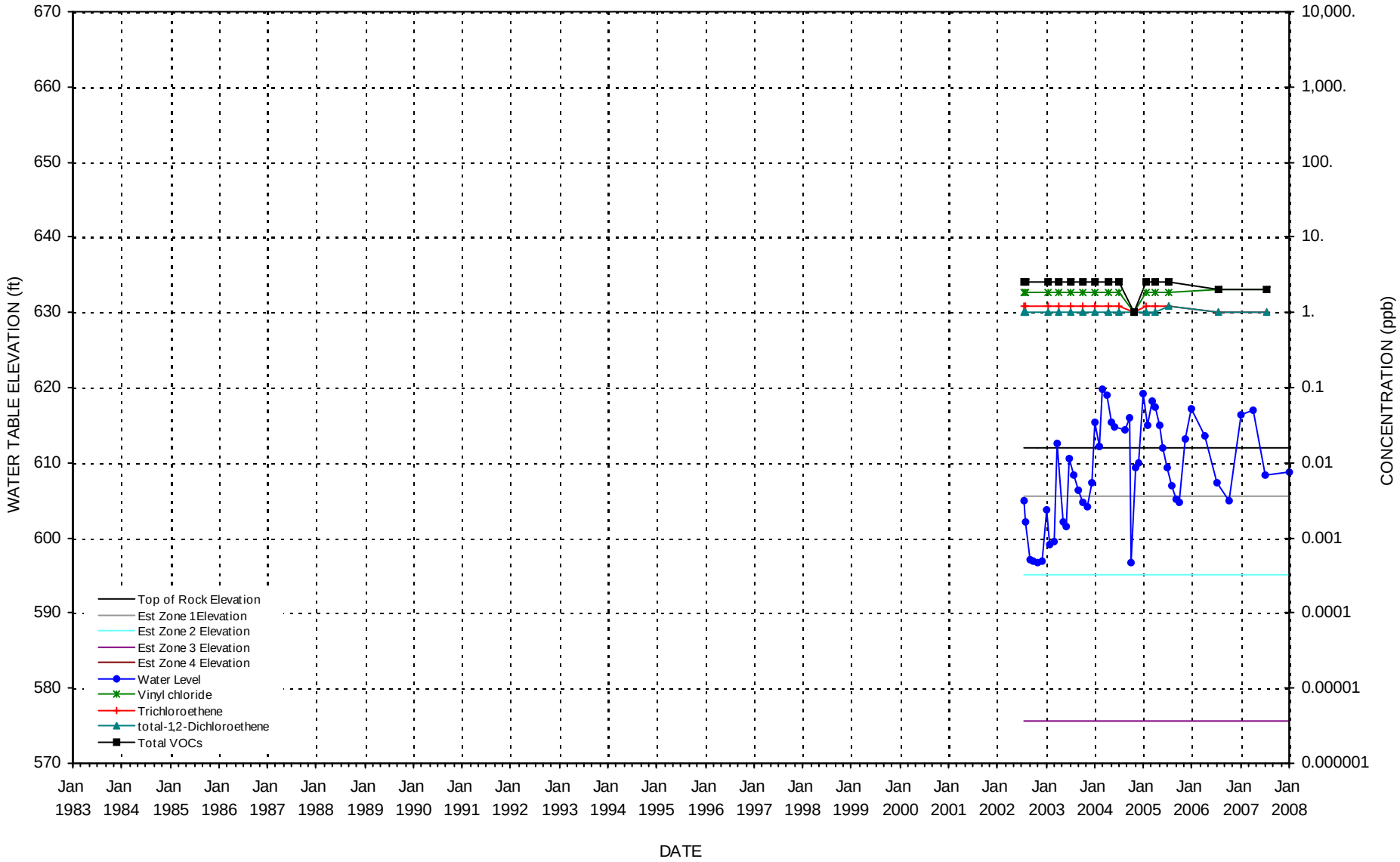


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-63M



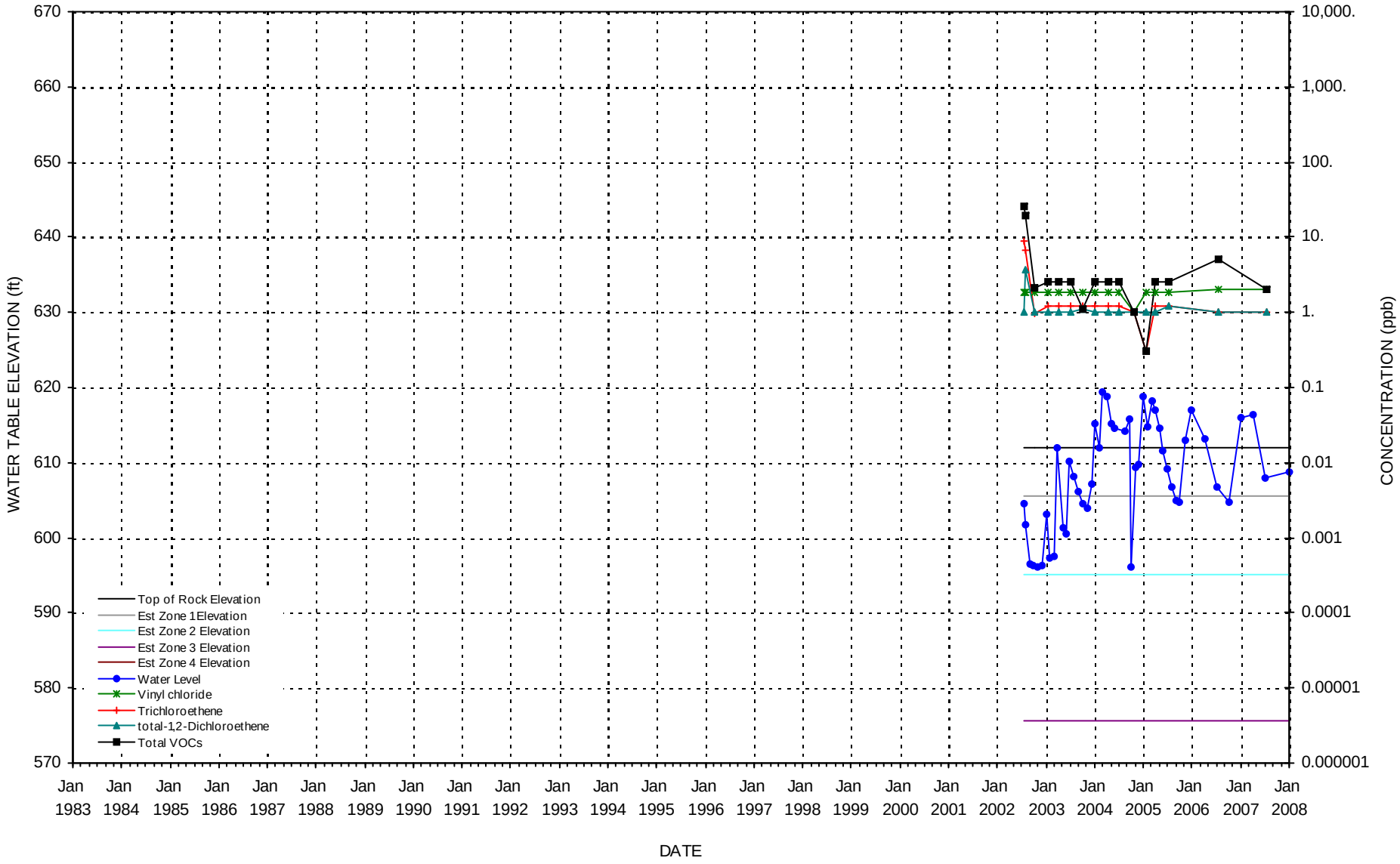
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-64M

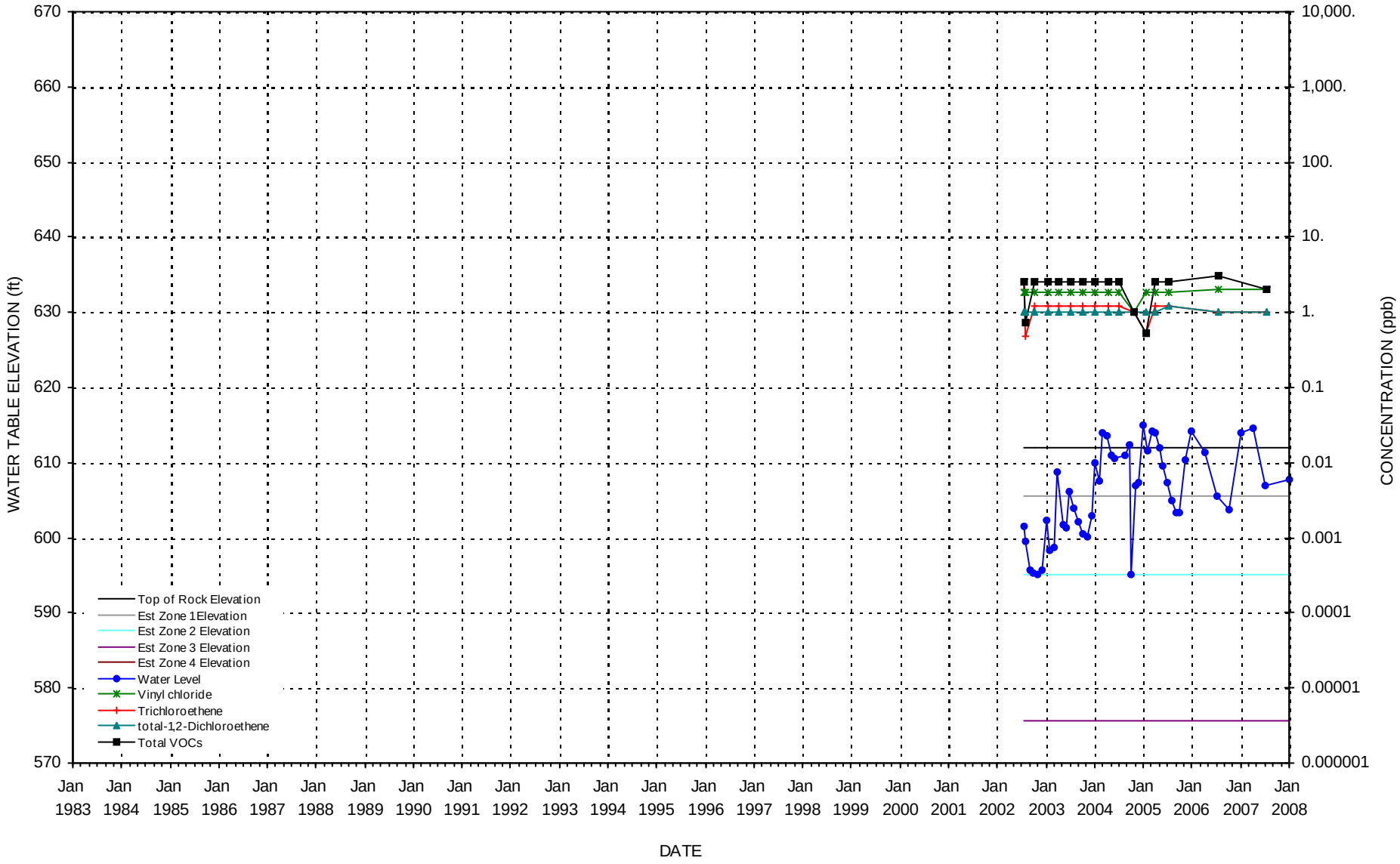


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-65M

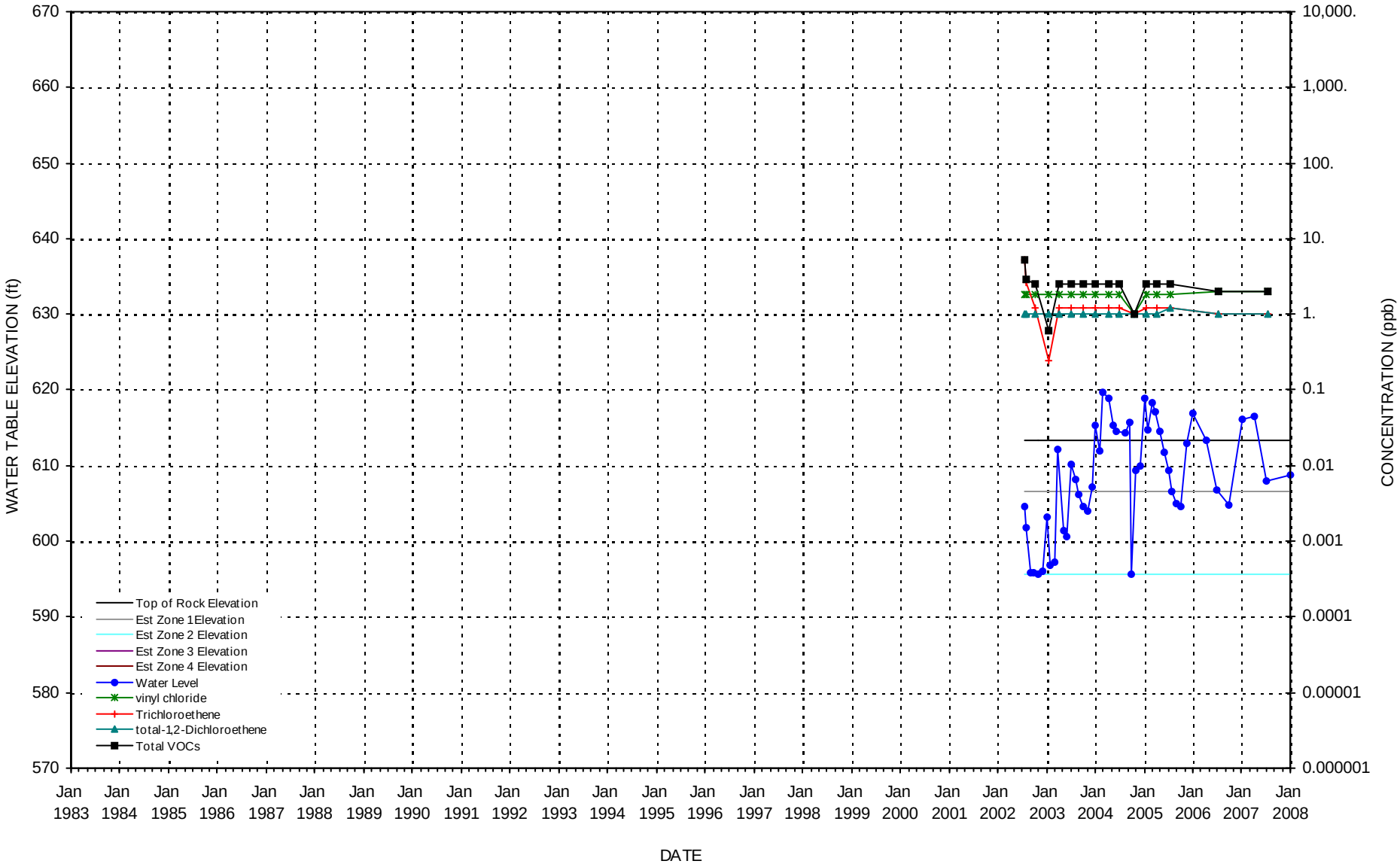


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-66M

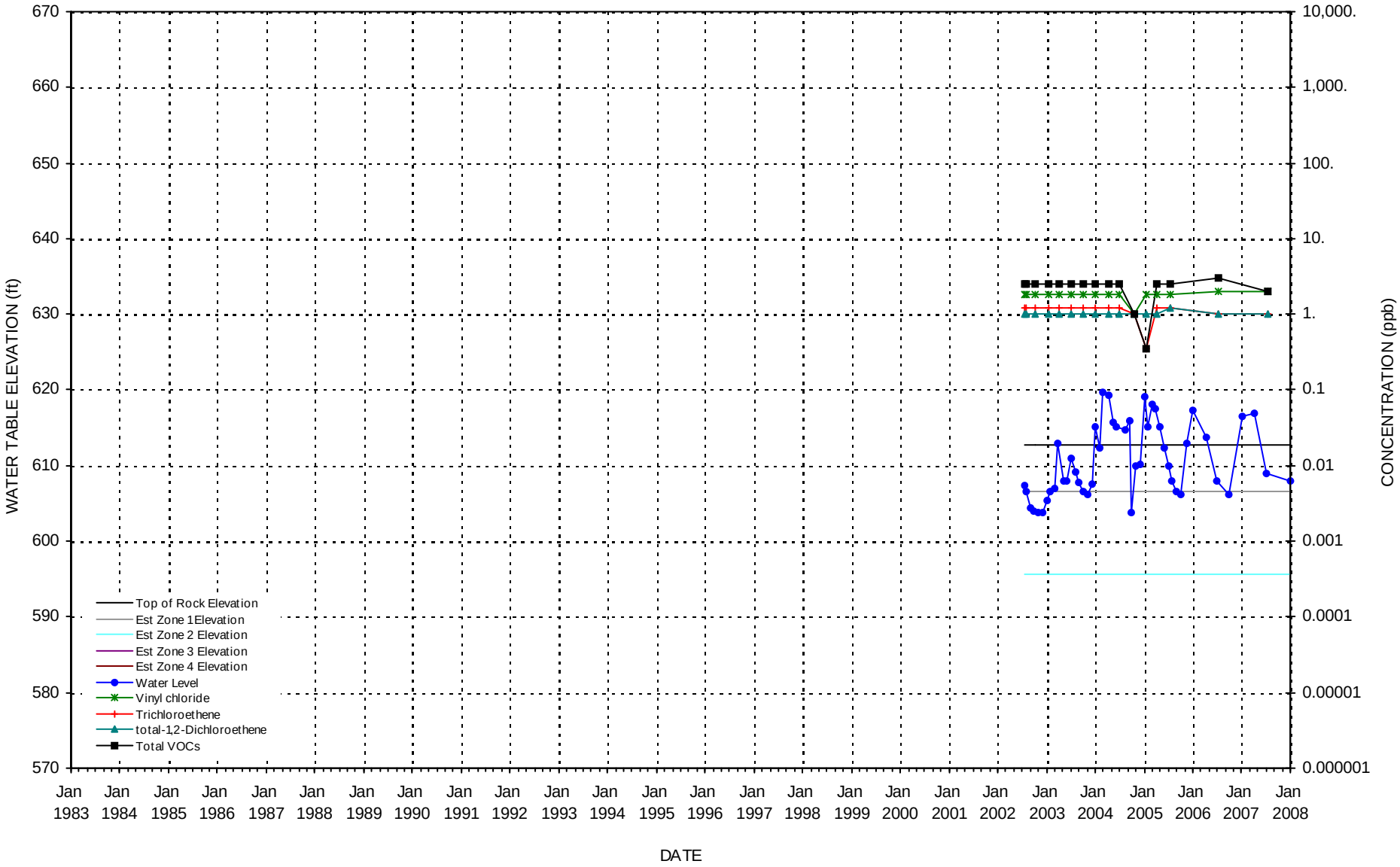


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-67M

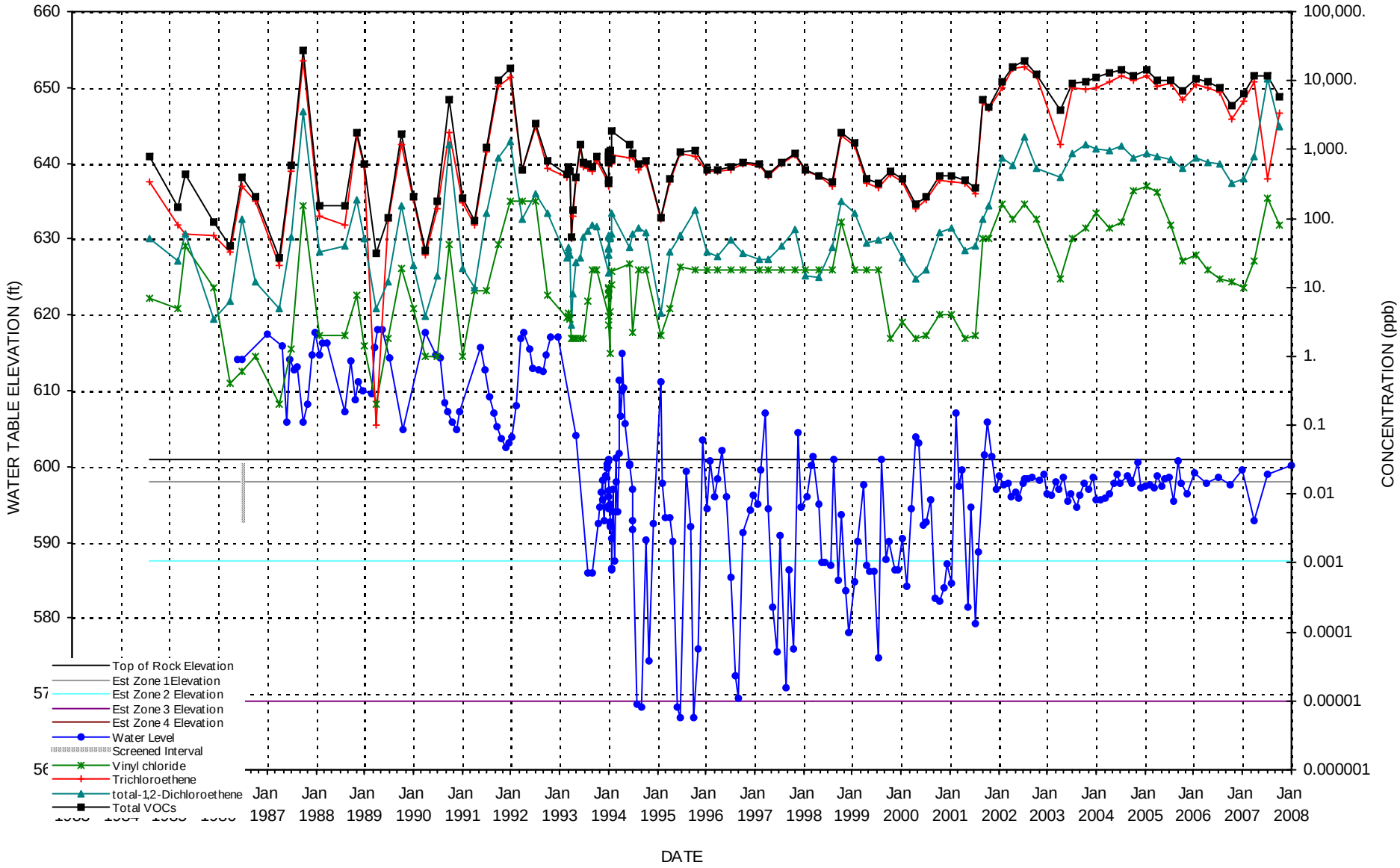


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL P-2

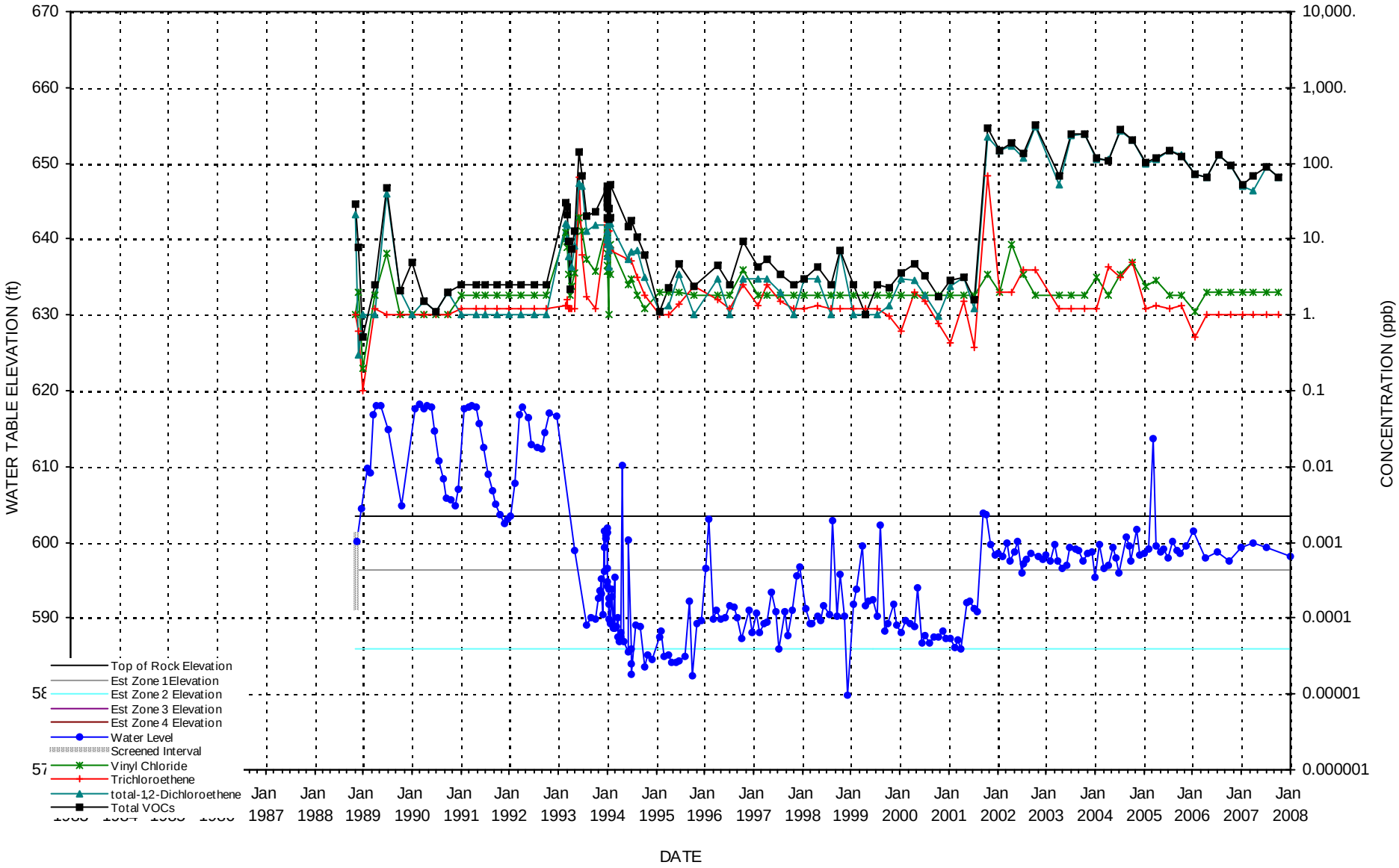


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

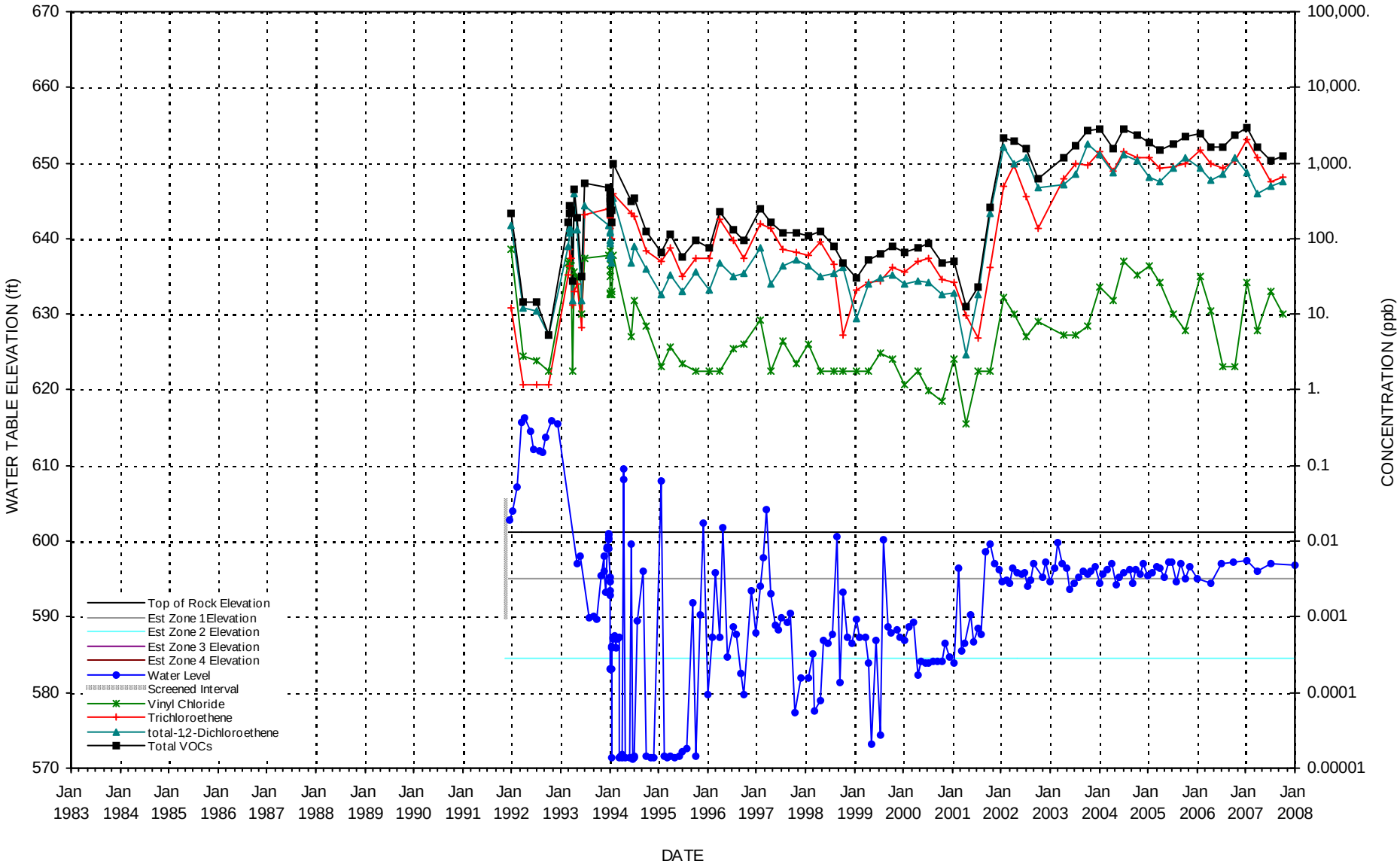
WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL P-3



WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

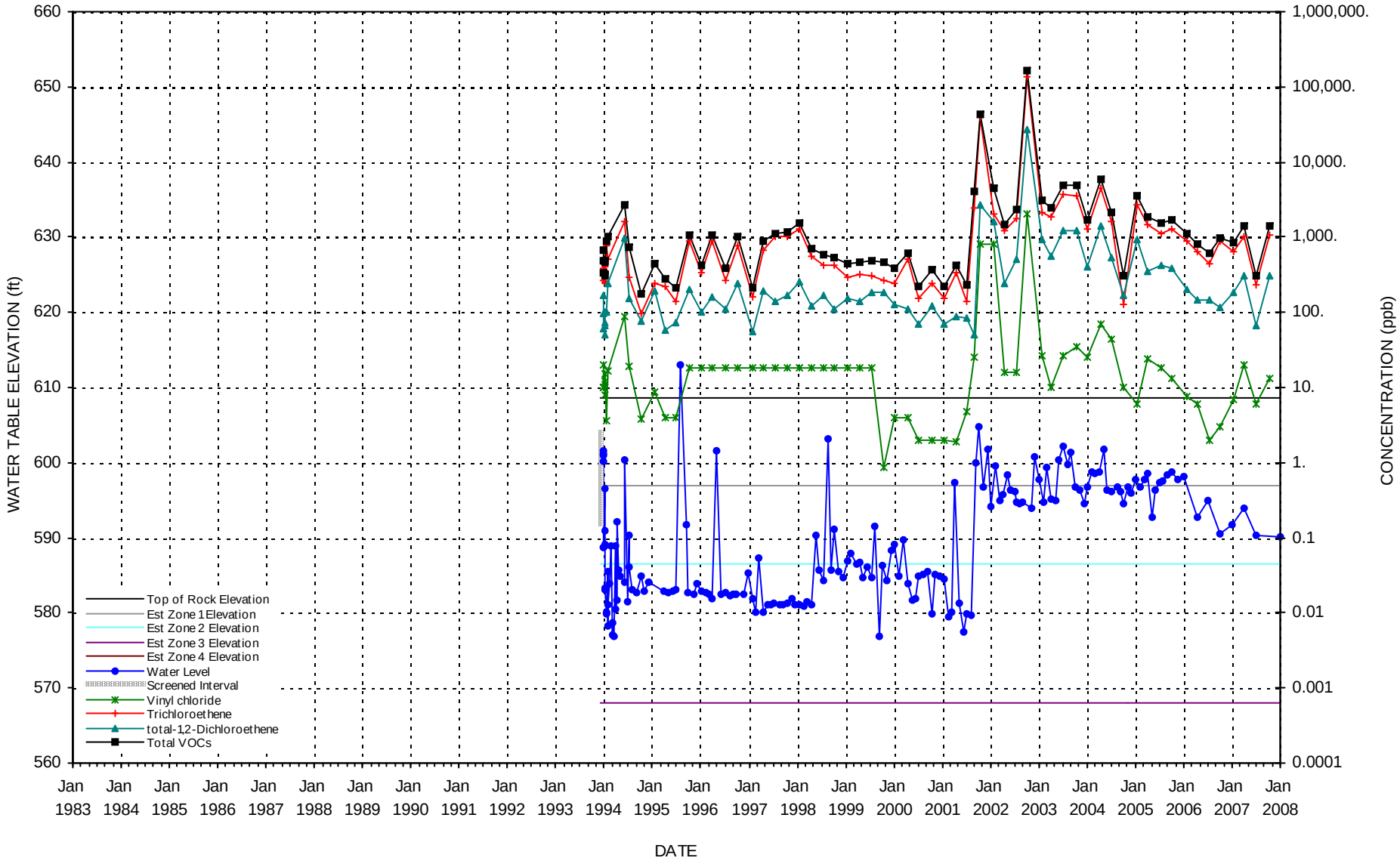
WELL P-4



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL PW-1



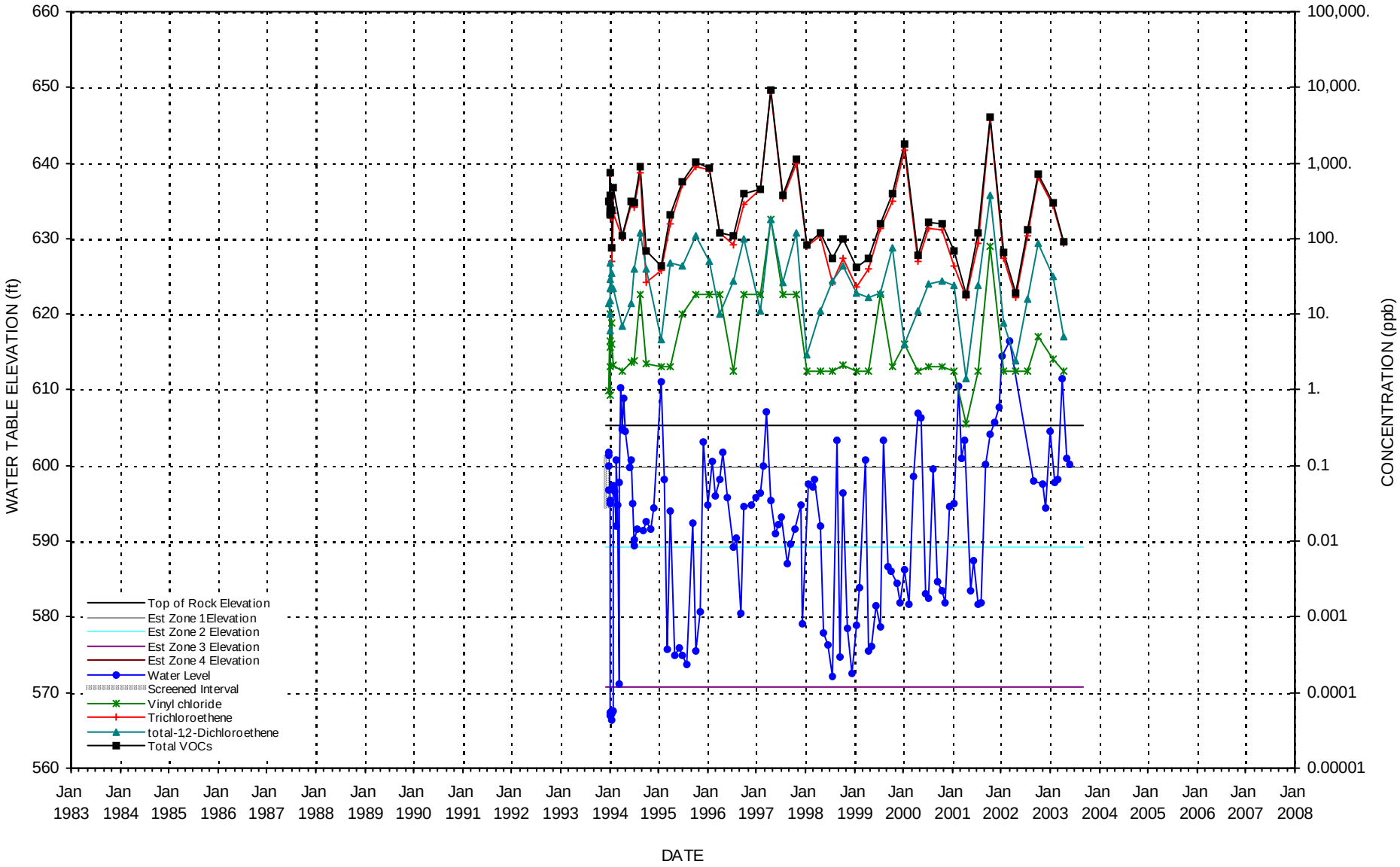
p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL PW-2

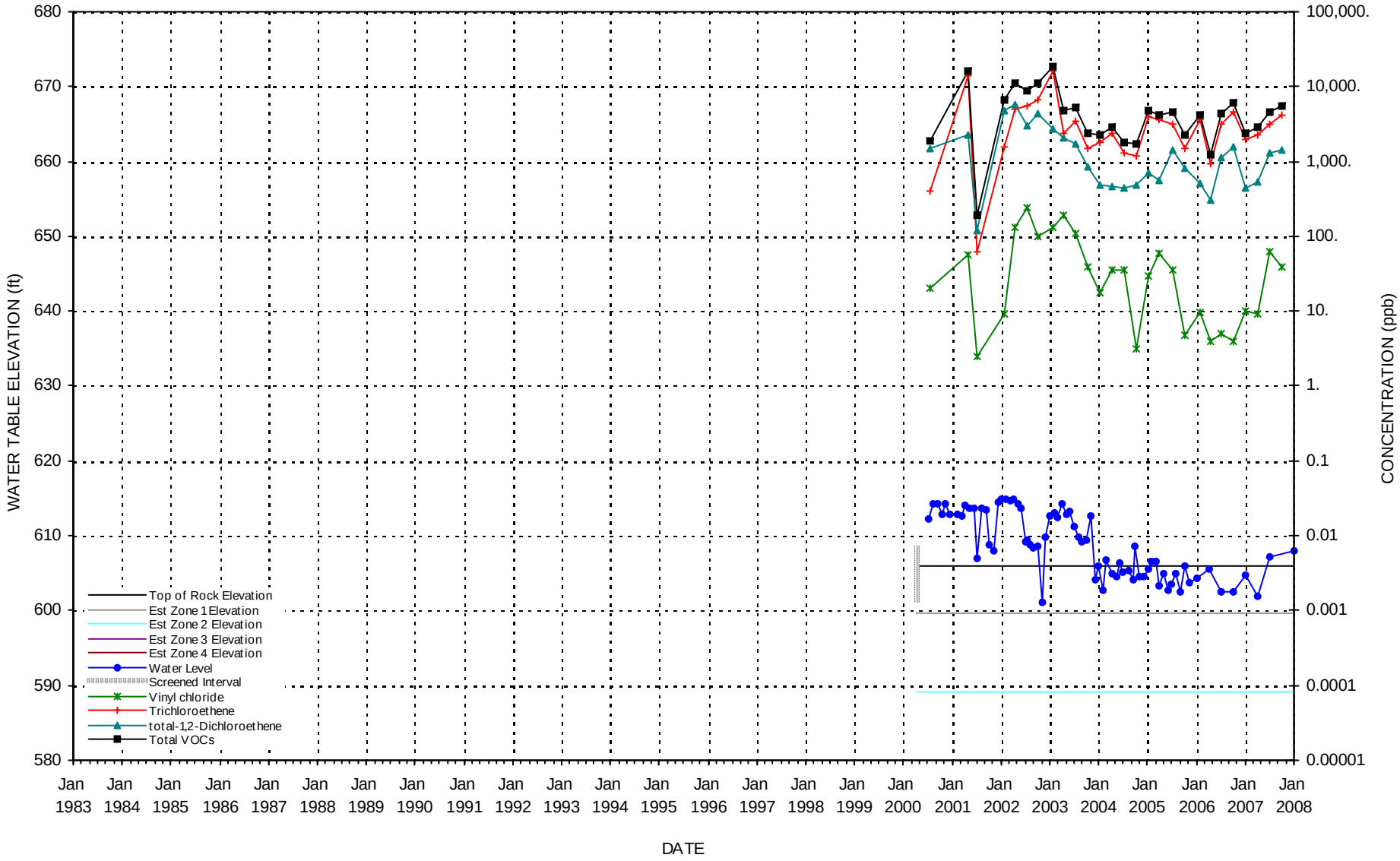


p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

PW-3 (former DNAPL Sump)



p:\442951\Engr\Dbase\2007WellGraphs.mdb

PARSONS

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
07/14/2006	6G14010-08	8260B	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260B	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46

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
07/14/2006	6G14010-07	8260B	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260B	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51

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
07/18/2006	6G19003-09RE1	8260B	ND	ND	ND	ND	6 B	ND	9	ND	36	ND	ND	51
07/09/2007	7G10002-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	6	ND	ND	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
01/24/2006	A6089111	8260	ND	ND	ND	ND	ND	ND	7.3	ND	61	ND	ND	68.3
04/12/2006	6D13005-03	8260B	ND	ND	ND	ND	ND	ND	10	ND	99	ND	ND	109
07/18/2006	6G19003-14	8260B	ND	ND	ND	ND	5 B	ND	18	ND	109	ND	ND	132
10/10/2006	6J11002-06	8260B	ND	ND	ND	ND	ND	2	73	ND	414 D	ND	4	493
01/09/2007	7A10006-03	8260B	ND	ND	ND	ND	3 B	ND	21	ND	205 D	ND	ND	229
04/04/2007	7D05011-01	8260B	ND	ND	ND	ND	ND	ND	13	ND	150	ND	ND	163
07/11/2007	7G12003-07	8260B	ND	ND	ND	ND	ND	ND	13	ND	137	ND	ND	150
10/10/2007	7J11002-02	8260B	ND	ND	ND	ND	ND	1	45	ND	258 D	ND	3	307

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- 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
07/17/2006	6G18004-02	8260B	ND	ND	ND	ND	ND	ND	2	ND	8	ND	ND	10
07/10/2007	7G11015-01	8260B	ND	ND	ND	ND	ND	ND	1	ND	7	ND	ND	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- 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
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	8260B	ND	ND	ND	ND	ND	ND	1020	ND	23200 D	ND	78	24298
07/14/2006	6G14010-01	8260B	ND	ND	ND	20	115	32	3450	ND	58900 D	ND	198	62715
10/09/2006	6J10002-08	8260B	ND	ND	ND	ND	74	ND	975	ND	29100 D	ND	ND	30149
01/09/2007	7A10006-06	8260B	ND	ND	ND	ND	235	ND	2580	ND	48700 D	ND	50	51565
04/12/2007	7D13007-04	8260B	ND	ND	ND	ND	1160	ND	692	ND	17800	ND	ND	19652
07/16/2007	7G17015-05	8260B	ND	ND	ND	ND	1260	ND	4130	ND	71500	ND	ND	76890
10/09/2007	7J10006-05	8260B	ND	ND	ND	ND	ND	ND	6730	ND	120000 D	ND	ND	126730

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
01/24/2006	A6089109	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	0.67
04/12/2006	6D13005-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-05	8260B	ND	ND	ND	ND	3	ND	2	ND	3	ND	ND	8
10/09/2006	6J10002-07	8260B	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
01/05/2007	7A05012-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2007	7G11015-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
10/09/2007	7J10006-10	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	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-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
04/19/2006	6D20002-02	8260B	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260B	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260B	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260B	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260B	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260B	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72

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
07/14/2006	6G14010-04	8260B	ND	ND	ND	ND	ND	ND	189	ND	1090	30	ND	1309
07/16/2007	7G17015-08	8260B	ND	ND	ND	ND	ND	ND	155	ND	1150	67	ND	1372

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
07/18/2006	6G19003-15	8260B	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260B	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100

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
01/24/2006	A6089113	8260	ND	ND	2.8	ND	4.2	2.3	230	ND	81	ND	4.7	325
04/18/2006	6D19002-03	8260B	ND	ND	3	1	ND	5	321 D	ND	137	ND	5	472
07/14/2006	6G14010-05	8260B	ND	ND	7	5	9	20	838 D	ND	202	ND	59	1140
10/11/2006	6J12003-01	8260B	ND	ND	3	2	ND	8	368 D	ND	73	ND	19	473
01/10/2007	7A11003-05	8260B	ND	ND	2	ND	ND	2	225 D	ND	84	ND	7	320
04/12/2007	7D13007-01	8260B	ND	ND	1	ND	ND	3	152	ND	63	ND	8	227
07/12/2007	7G13019-08	8260B	ND	ND	3	2	ND	10	437 D	ND	127	ND	25	604
10/09/2007	7J10006-02	8260B	ND	ND	ND	ND	ND	9	413	ND	122	ND	27	571

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
07/13/2006	6G14009-04	8260B	ND	ND	ND	ND	ND	ND	306	ND	1500 D	9	17	1832
07/10/2007	7G11015-02RE1	8260B	ND	ND	ND	ND	ND	ND	67	ND	541	11	ND	619

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
07/19/2006	6G20004-12	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-08	8260B	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
07/13/2006	6G14009-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260B	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-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
01/26/2006	A6102401	8260	ND	ND	67	ND	ND	ND	4300	ND	8400	ND	470	13237
04/19/2006	6D20002-04RE1	8260B	ND	ND	48	39	ND	60	9570 D	ND	7730 D	ND	1210	18657
07/18/2006	6G19003-05	8260B	ND	ND	72	40	212 B	61	8250 D	34	8170 D	ND	1320	18159
10/09/2006	6J10002-09	8260B	ND	ND	66	28	129	36	6730 D	175	12000 D	ND	798	19962
01/09/2007	7A10006-08	8260B	ND	ND	ND	ND	227	ND	5190	ND	12800 D	ND	372	18589
04/12/2007	7D13007-03	8260B	ND	ND	ND	ND	ND	ND	3100	ND	3100	ND	475	6675
07/16/2007	7G17015-01	8260B	ND	ND	ND	ND	ND	ND	8490	ND	2940	ND	1510	12940
10/09/2007	7J10006-08	8260B	ND	ND	ND	ND	277	ND	12300	ND	3150	ND	2540	18267

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
07/14/2006	6G14010-03	8260B	ND	ND	ND	ND	ND	2	23	ND	1	ND	9	35
07/05/2007	7G06018-01	8260B	ND	ND	ND	ND	ND	1	27	ND	ND	ND	11	39

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
01/24/2006	A6089112	8260	ND	ND	ND	ND	ND	ND	4.2	ND	0.56 J	ND	1.3 J	6.06
04/18/2006	6D19002-04	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260B	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260B	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260B	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18

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
07/18/2006	6G19003-10RE1	8260B	ND	ND	ND	ND	6 B	ND	ND	ND	ND	ND	ND	6
07/11/2007	7G12003-09	8260B	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
01/24/2006	A6089101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260B	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	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
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
01/24/2006	A6089102	8260	ND	ND	2.9	1.4	ND	15	480 E	ND	90	ND	3.1	592.4
01/24/2006	A6089102DL	8260	ND	ND	ND	ND	ND	15 D	460 D	ND	93 D	ND	ND	568
04/19/2006	6D20002-01	8260B	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260B	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260B	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260B	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260B	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260B	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260B	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28

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-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
01/23/2006	A6084701	8260	ND	ND	ND	ND	ND	3	300	ND	96	ND	9.3	408.3
04/21/2006	6D21017-01	8260B	ND	ND	1	ND	ND	1	272 D	ND	9	ND	17	300
07/20/2006	6G21005-05	8260B	ND	ND	ND	ND	25	ND	309	ND	ND	ND	39	373
10/10/2006	6J11002-02RE1	8260B	ND	ND	1	ND	ND	2	243 D	ND	10	ND	28	284
01/08/2007	7A09003-01	8260B	ND	ND	ND	ND	ND	ND	238	ND	182	ND	ND	420
04/18/2007	7D19009-01	8260B	ND	ND	2	ND	ND	2	239 D	ND	41	ND	17	301
07/11/2007	7G12003-01	8260B	ND	ND	ND	ND	ND	ND	178	ND	8	ND	24	210
10/10/2007	7J11002-03	8260B	ND	ND	1	ND	ND	ND	272 D	ND	2	ND	34	309

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
01/23/2006	A6084702	8260	ND	ND	ND	ND	ND	ND	1.6	ND	3.8	ND	ND	5.4
04/12/2006	6D13005-06	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
07/19/2006	6G20004-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2006	6J11002-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	2	ND	ND	3
01/08/2007	7A09003-02	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
04/04/2007	7D05011-02	8260B	ND	ND	ND	ND	3	ND	1	ND	3	ND	ND	7
07/11/2007	7G12003-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2007	7J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	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-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
07/20/2006	6G21005-03	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260B	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
01/24/2006	A6089103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260B	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
07/20/2006	6G21005-08	8260B	ND	ND	ND	ND	3	ND	43	ND	8	ND	3	57
07/11/2007	7G12003-02	8260B	ND	ND	ND	ND	ND	ND	30	ND	6	ND	3	39

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
07/17/2006	6G18004-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/18/2007	7G19011-06	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	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-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
07/20/2006	6G21005-07	8260B	ND	ND	ND	ND	2	1	35	ND	ND	ND	7	45
07/10/2007	7G11015-08	8260B	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	5	33

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
07/20/2006	6G21005-06	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/10/2007	7G11015-09	8260B	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
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260B	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260B	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260B	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260B	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260B	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260B	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260B	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57

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-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	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
07/16/2004	A4674301	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
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
01/26/2006	A6102406	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/20/2006	6D21003-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260B	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	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-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	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
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
01/27/2006	A6102501	8260	ND	ND	ND	ND	ND	0.64 J	5.4	ND	1.6	ND	ND	7.64
04/20/2006	6D21003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260B	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260B	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260B	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6

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-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
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260B	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	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-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
01/24/2006	A6089108	8260	ND	ND	ND	ND	ND	ND	4.1	ND	2.9	ND	ND	7
04/19/2006	6D20002-05	8260B	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260B	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260B	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260B	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260B	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260B	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	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-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
01/26/2006	A6102402	8260	ND	ND	ND	ND	ND	0.74 J	12	ND	4.6	ND	3.8	21.14
04/20/2006	6D21003-01	8260B	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260B	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260B	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260B	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260B	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13

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-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
01/26/2006	A6102403	8260	ND	ND	9.1	ND	ND	0.63 J	16	0.65 J	8.1	ND	16	50.48
04/20/2006	6D21003-02	8260B	ND	ND	7	ND	ND	ND	7	ND	2	ND	8	24
07/18/2006	6G19003-06	8260B	ND	ND	7	ND	11 B	ND	8	ND	3	ND	5	34
10/11/2006	6J12003-04	8260B	ND	ND	8	ND	ND	ND	12	ND	6	ND	9	35
01/10/2007	7A11003-03	8260B	ND	ND	6	ND	ND	ND	5	ND	10	ND	6	27
04/17/2007	7D18003-04	8260B	ND	ND	5	ND	ND	ND	1	ND	ND	ND	3	9
07/16/2007	7G17015-04	8260B	ND	ND	7	ND	ND	ND	8	ND	5	ND	7	27
10/10/2007	7J11002-08	8260B	ND	ND	6	ND	ND	ND	7	ND	4	ND	4	21

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	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
07/20/2006	6G21005-02	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/10/2007	7G11015-10	8260B	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	118.2
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
07/20/2006	6G21005-01	8260B	ND	ND	ND	ND	3	1	59	ND	7	ND	4	74
07/10/2007	7G11015-11RE1	8260B	ND	ND	ND	ND	ND	ND	33	ND	5	ND	2	40

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
01/24/2006	A6089114	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	2.2	ND	ND	2.99
04/18/2006	6D19002-01	8260B	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	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-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
01/24/2006	A6089115	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2006	6D19002-02	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/21/2006	6G21018-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2006	6J16007-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/2007	7A05012-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
04/11/2007	7D12002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-08	8260B	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	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
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
07/18/2006	6G19003-11RE1	8260B	ND	ND	ND	ND	ND	ND	14	ND	44	ND	ND	58
07/12/2007	7G13019-01	8260B	ND	ND	ND	ND	ND	ND	19	ND	69	ND	ND	88

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
07/18/2006	6G19003-12	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
07/11/2007	7G12003-08	8260B	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
07/19/2006	6G20004-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-02	8260B	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
07/19/2006	6G20004-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/12/2007	7G13019-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	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-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
07/19/2006	6G20004-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-04	8260B	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
07/19/2006	6G20004-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-05	8260B	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
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260B	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260B	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260B	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260B	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35

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
01/23/2006	A6084704	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2006	6D13005-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2007	7A09003-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2007	7J11002-04	8260B	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
07/19/2006	6G20004-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-06	8260B	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
07/19/2006	6G20004-14RE1	8260B	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260B	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	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-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
07/19/2006	6G20004-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-06	8260B	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
07/19/2006	6G20004-11	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-07	8260B	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
07/21/2006	6G21018-03	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/17/2007	7G18027-03	8260B	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
07/19/2006	6G20004-13	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-08	8260B	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
07/21/2006	6G21018-04	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
07/17/2007	7G18027-01	8260B	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
07/21/2006	6G21018-05	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-02	8260B	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
07/13/2006	6G14009-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-05	8260B	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
07/13/2006	6G14009-02	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-04	8260B	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
01/24/2006	A6089106	8260	ND	ND	170	ND	ND	ND	770	1200	8500	ND	ND	10640
04/12/2006	6D13005-04RE1	8260B	ND	ND	124	24	11	7	638	1020	7800 D	ND	18	9642
07/11/2006	6G12005-03	8260B	ND	ND	102	14	22	ND	621	411	6850 D	ND	13	8033
10/09/2006	6J10002-03	8260B	ND	ND	146	23	ND	6	322	1130 D	2770 D	ND	12	4409
01/10/2007	7A11003-04	8260B	ND	ND	135	17	12	ND	368	919	4950 D	ND	10	6411
04/03/2007	7D04039-01	8260B	ND	ND	110	23	164	9	792	897	9730 D	ND	24	11749
07/05/2007	7G06018-04	8260B	ND	ND	148	ND	ND	ND	10400	936	372	ND	ND	11856
10/10/2007	7J11002-01RE1	8260B	ND	ND	36	ND	ND	ND	2190	50	3380	ND	80	5736

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
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260B	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260B	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260B	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260B	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260B	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260B	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260B	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64

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-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
01/23/2006	A6084706	8260	ND	ND	20	ND	ND	11	850	13	1500	ND	32	2426
04/12/2006	6D13005-02RE1	8260B	ND	ND	15	ND	ND	8	583 D	10	998	ND	11	1625
07/11/2006	6G12005-05	8260B	ND	ND	20	6	4	12	700 D	9	869 D	ND	ND	1620
10/09/2006	6J10002-05	8260B	ND	ND	30	8	ND	16	1180 D	27	1100 D	ND	ND	2361
01/05/2007	7A05012-05	8260B	ND	ND	23	6	2 B	11	734 D	20	2080 D	ND	26	2902
04/03/2007	7D04039-03	8260B	ND	ND	7	3	ND	7	394 D	7	1190 D	ND	6	1614
07/05/2007	7G06018-07	8260B	ND	ND	ND	ND	ND	ND	499	ND	579	ND	ND	1078
10/09/2007	7J10006-04	8260B	ND	ND	9	ND	ND	8	570	ND	636	ND	ND	1223

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: 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
01/26/2006	A6102404	8260	ND	ND	2.3	0.69 J	ND	1.9	160 E	2.5	700 E	ND	2.4	869.79
01/26/2006	A6102404DL	8260	ND	ND	ND	ND	ND	ND	200 D	ND	900 D	ND	7.5 D	1107.5
04/13/2006	6D14002-07RE1	8260B	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260B	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260B	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260B	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260B	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260B	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260B	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414

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

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
01/24/2006	A6089105	8260	ND	ND	ND	ND	ND	ND	450	ND	3100 E	18	ND	3568
01/24/2006	A6089105DL	8260	ND	ND	ND	ND	ND	ND	520 D	ND	3700 D	23 D	ND	4243
04/13/2006	6D14002-06RE1	8260B	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260B	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260B	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260B	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260B	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260B	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260B	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620

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: 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	ND
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
04/13/2006	6D14002-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-06	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	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.

APPENDIX C
SPDES PERMIT, JUNE DMR, DECEMBER DMR, DMR-QA27 STUDY RESULTS REPORTS, AND HAZARDOUS WASTE MANIFESTS

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

NOV 27 2006

Denise M. Sheehan
Commissioner

NOV 21 2006

FACILITY INFORMATION

ELM HOLDINGS INC. C/O BP EXPLORATION
WILLIAM B BARBER
4850 EAST 49TH STREET
MBC3-147
CUYAHOGA HEIGHTS OHIO 44125

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

Dear SPDES Permittee:

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

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

Steve Doleski
NYSDEC REGION 9
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165

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

Sincerely,

William R. Adriance

Chief Permit Administrator

Enclosure
cc: RPA
RWE
BWP

91-20-5 (5/97)

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

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

PART 1 - NOTICE 06/12/2006

Permittee Contact Name, Title, Address

Elm Holdings Inc. C/O BP Exploration
William B. Barber
4850 East 49th Street
MBC3 – 147
Cuyahoga Heights, Ohio 44125

Facility and SPDES Permit Information

Name: FORMER CARBORUNDUM COMPLEX - COR
Ind. Code: 9511 County: NIAGARA
DEC No.: 9-2940-00059/00003
SPDES No.: NY 000 1988
Expiration Date: 04/01/2007
Application Due By: 10/03/2006

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

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

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

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

PART 2 - RENEWAL APPLICATION

CERTIFICATION: I hereby affirm that under penalty of perjury that the information provided on this form and all attachments submitted herewith is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

William B. Barber, Environmental Manager

Name of person signing application (see instructions on back) — Title

William B. Barber — Sept. 26, 2006

Signature — Date

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

Effective Date: 4/1/07 Expiration Date: 3/31/12

William R. Adriance

Permit Administrator

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

William R. Adriance — NOV 21 2006

Signature — Date

This permit together with the previous valid permit for this facility issued 4/1/02 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 / /~~

05 OCT -2 PM 1:23

RECEIVED NYSDEC

91-20-5a (5/97)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Please enter the numbers from your current permit:	DEC Number: 9 - 2940 - 00059 / 0000 - 3
	SPDES Number: NY 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 a copy for your records.

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

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

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

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

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

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

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

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

1. With NYSDEC approval one of the recovery wells (PW-2) was taken off-line in 2003, resulting in a reduction of flow to the treatment system, and therefore, a reduction in flow at the SPDES outfall (01A). Average throughput is 28.0 GPM for the first six months of 2006.

2. Two of four pre-treatment water filters have been removed to accommodate the installation of a tray air stripper. The two remaining water filters are planned for replacement.

3. The new tray stripper and blower, installed (with NYSDEC approval on 10/14/05) to replace the existing tower strippers, is scheduled to be brought on-line in the near future. When in operation, the maximum allowable throughput is 100GPM. The DEC has stated that they will modify the permit to reflect this change in flow, and re-evaluate any changes to the nickel and silver action levels.

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

C:\EBPS_forms_latest\RENEWAL.FRM

...tant Discharge Elimination Sy...m (SPDES)

DISCHARGE PERMIT

Special Conditions (Part 1), Page 1 of 6

Industrial Code: 9511
Discharge Class (CL): 03
Toxic 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
Attention: Mr. Werner A. Sicvol
Senior Project Manager
Street: 4850 East 49th Street, MBC3 - 146
City: Cuyahoga Heights
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.
Arsenic, Total	Monitor	190	µg/l	Monthly	24 hr. Comp.
Cyanide, 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

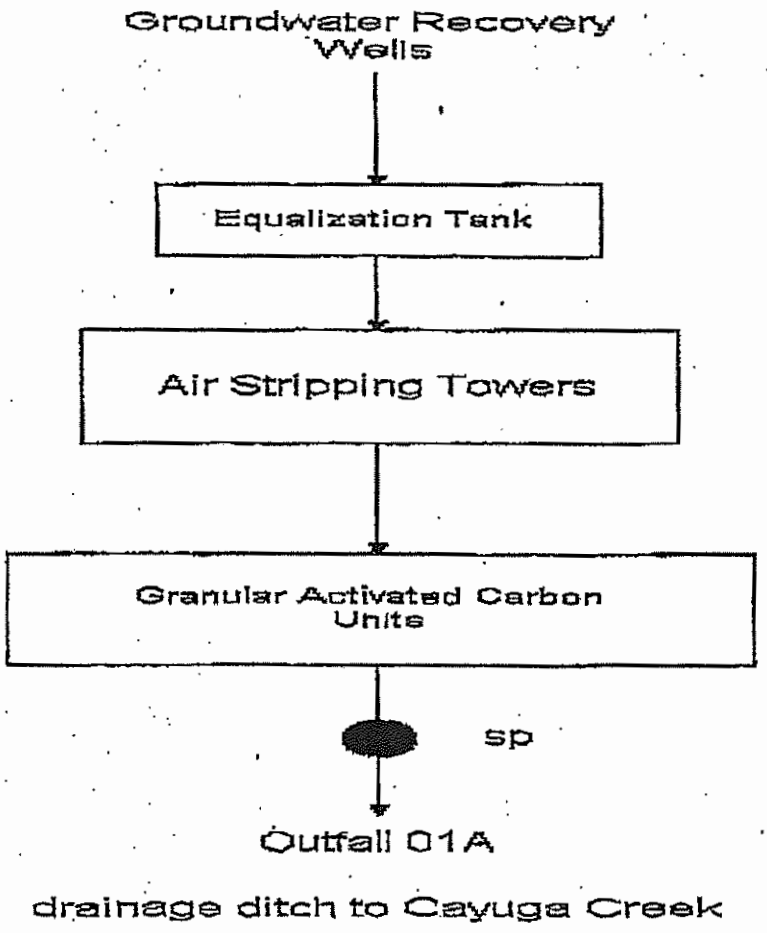
DEFINITIONS OF DAILY AVERAGE AND DAILY MAXIMUM

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:



91-20-2f (1/89)

SPDES No.: NY 000 1988

Part 1, Page 6 of 6

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 create 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.

---

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 6 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

H42951 #148

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

July 26, 2007

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

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 June 1, 2007 through June 30, 2007 for the subject SPDES outfall. There were no exceedances for the month. However, the original analytical result for cadmium (0.058 mg/l) was a laboratory error (contaminated glassware) and was not reported.

A discussion of the cadmium analysis is provided in the attached letter from the analytical laboratory and email from the NYSDEC. Per the attached correspondence, the original result was disregarded and the result (ND at 0.001 mg/l) from the re-analysis of the same sample is reported on the DMR. As directed by NYSDEC, a Report of Noncompliance has not been submitted for this event.

Please contact the writer if there are any questions.

Sincerely,

William B. Barber
Project Manager

Enclosures

cc: Timothy Dieffenbach – NYSDEC (w/encl.)
Matthew Forcucci – NYSDOH (w/encl.)
R. Becken – O&M Enterprises (w/encl.)
K. Scott – Metaullics (w/encl.)
G. Hermance – Parsons (w/encl.)
442156 File No. 9

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******		******	56.52	58.31	deg F	0	01/30	GR
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	90 DAILY MX	deg F		Monthly	GRAB
Flow rate	SAMPLE MEASUREMENT	35,850	37,900		******	******	******		0	99/99	MS
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	864000 DAILY MX	gal/d	******	******	******			Continuous	METER
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******		******	<4	<4	mg/L	0	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	5 DAILY AV	30 DAILY MX	mg/L		Twice Per Month	COMP24
pH	SAMPLE MEASUREMENT	******	******		7.73	******	8.15	SU	0	01/07	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******		******	<4	<4	mg/L	0	02/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	20 DAILY AV	40 DAILY MX	mg/L		Twice Per Month	COMP24
Oil & grease	SAMPLE MEASUREMENT	******	******		******	9.8	14.6	mg/L	0	02/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	15 DAILY MX	mg/L		Twice Per Month	GRAB
Cyanide, total (as CN)	SAMPLE MEASUREMENT	******	******		******	<10	<10	ug/L	0	01/30	24
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	60 DAILY MX	ug/L		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William B. Barber / Project Manager	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.	William B. Barber	216.271.8038		2007	07	26
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Arsenic, total (as As)	SAMPLE MEASUREMENT	******	******		******	<9	<9	ug/L	0	01/30	24
01002 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	190 DAILY MX	ug/L		Monthly	COMP24
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******		******	<1	<1	ug/L	0	01/30	24
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Monthly	COMP24
Chromium, total (as Cr)	SAMPLE MEASUREMENT	******	******		******	<5	<5	ug/L	0	01/30	24
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	50 DAILY MX	ug/L		Monthly	COMP24
Copper, dissolved (as Cu)	SAMPLE MEASUREMENT	******	******		******	<9	<9	ug/L	0	01/30	24
01040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	Req. Mon. DAILY MX	ug/L		Monthly	COMP24
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******		******	<9	<9	ug/L	0	01/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	32 DAILY MX	ug/L		Monthly	COMP24
Iron, total (as Fe)	SAMPLE MEASUREMENT	******	******		******	<.083	<.083	mg/L	0	01/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	4 DAILY MX	mg/L		Monthly	COMP24
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******		******	<15	<15	ug/L	0	01/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	50 DAILY MX	ug/L		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William B. Barber / Project Manager	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.	William B. Barber	216.271.6038		2007	07	26
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, dissolved (as Zn)	SAMPLE MEASUREMENT	******	******		******	0.823	0.823	mg/L	0	01/30	24
01090 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	Req. Mon. DAILY MX	mg/L		Monthly	COMP24
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******		******	1.01	1.01	mg/L	0	01/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	5 DAILY MX	mg/L		Monthly	COMP24
1,2-Dichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
32103 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Chloroform	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
32106 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Methylene chloride	SAMPLE MEASUREMENT	******	******		******	<2.0	<2.0	ug/L	0	01/07	24
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,1-Dichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34496 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,1-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34501 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
William B. Barber / Project Manager	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.		216.271.8058		2007	07	26
TYPED OR PRINTED			AREA Code	NUMBER	YEAR	MO	DAY

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

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1,1,1-Trichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Vinyl chloride	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	02/30	24
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Twice Per Month	COMP24
Phenols	SAMPLE MEASUREMENT	******	******		******	<5	<5	ug/L	0	02/30	24
46000 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	8 DAILY MX	ug/L		Twice Per Month	COMP24
Chlorine, total residual	SAMPLE MEASUREMENT	******	******		******	<.22	<.22	mg/L	0	01/30	GR
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	.5 DAILY MX	mg/L		Monthly	GRAB
Mercury, total (as Hg)	SAMPLE MEASUREMENT	******	******		******	<.2	<.2	ug/L	0	01/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	.8 DAILY MX	ug/L		Monthly	COMP24
Trichloroethene	SAMPLE MEASUREMENT	******	******		******	3.0	3.0	ug/L	0	01/07	24
78391 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William B. Barber / Project Manager	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.	William B. Barber	216-271-8038		2007	07	26
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	06	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	1.5	2	ug/L	0	01/07	24
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William B. Barber / Project Manager	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.	William B. Barber	216.271.8038		2007	07	26
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AV
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	04	01	TO	07	06	30

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
OUTFALL 01A ACTION LEVELS
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total (as Ni)	SAMPLE MEASUREMENT	******	0.0022	lb/d	******	******	******		0	01/90	24
01067 V 0 See Comments	PERMIT REQUIREMENT	******	.07 DAILY MX	lb/d	******	******	******			Quarterly	COMP24
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	<0.0016	lb/d	******	******	******		0	01/90	24
01077 V 0 See Comments	PERMIT REQUIREMENT	******	.07 DAILY MX	lb/d	******	******	******			Quarterly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber / Project Manager	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.	William J. Barber	216-271-8038		2007	07	26
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)

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street
Buffalo, N.Y. 14207-2442
Phone (716) 876-5290
FAX (716) 876-2412

June 25, 2007

Mr. George Hermance
Parsons Engineering
40 La Riviere Drive, Suite 350
Buffalo, NY 14202

Dear George,

Please use this letter for the NYSDEC Report of Noncompliance Event regarding the cadmium result for the June 6, 2007 Outfall 01A sample from the BP, Sanborn NY project site. This sample corresponds to the Waste Stream Technology Inc Work Order # 7F06024 and sample ID number 7F06024-01.

To summarize the events, sample number 7F06024-01 had an original result for total cadmium of 0.058 mg/L. Since this result would have exceeded the discharge permit and as the historical data review on this Outfall sample shows that it has not exhibited cadmium at this level, the sample was re-analyzed without digestion to determine if there was a reason to suspect that the 0.058 mg/L result was incorrect. With a result of 0.0018 mg/L in the undigested sample analysis it appeared that either the sample did not contain the exhibited level (0.058 mg/L) of cadmium, or there was a problem during the initial digestion process. Thus, the sample was re-digested and re-analyzed. The re-digested result showed that the sample did not contain cadmium above the reporting limit of 0.001 mg/L. It is suspected that the vessel used for the first digestion of sample 7F06024-01 had carryover cadmium contamination because the results for the other total metals reported for this sample were consistent in the analyses of both digestions.

The immediate corrective action taken was to re-digest and re-analyze the sample and to compare the results of the two digestions. The preventive long-term corrective action is to reduce potential carryover contamination by taking additional care in the cleaning of the digestion vessels. If there is an exceedance, the sample will automatically be re-digest and re-analyzed to evaluate the data from the multiple analyses and determine the probable cause of the exceedance.

Please do not hesitate to contact me if you have any questions or comments regarding this matter.

Sincerely,

Daniel W. Vollmer
Laboratory QA/QC Officer

Parsons Engineering 40 La Riviere Drive, Suite 350 Buffalo NY, 14202	Project: Monthly SPDES Sanborn, NY Project Number: Former Carborundum Facility SPDES Project Manager: Mark Raybuck	**Reported:** 06/25/07 14:25

Metals by EPA 200 Series Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Outfall 01A (7F06024-01) Water Sampled: 06/06/07 08:00 Received: 06/06/07 13:15									
Cadmium	**0.058**	0.001	mg/L	1	AF71909	06/19/07	06/20/07	EPA 200.7	
Outfall 01A (7F06024-01RE1) Water Sampled: 06/06/07 08:00 Received: 06/06/07 13:15									
Cadmium	ND	0.001	mg/L	1	AF72106	06/21/07	06/21/07	EPA 200.7	

Hermance, George

From: Robert Locey [rllocey@gw.dec.state.ny.us]
Sent: Wednesday, July 18, 2007 5:04 PM
To: Hermance, George
Subject: RE: Former Carborundum Complex, Cory Rd. Sanborn, NY (SPDES NY0001988)

George

I am satisfied that the explanation indicates that the original analytical result (0.058 mg/l) was due to laboratory error (contaminated glassware). Therefore, that result can be disregarded and the result (ND at 0.001 mg/l) from the re-analysis of the same sample should be reported on the DMR. No Report of Noncompliance should be submitted for this event.

Rob

>>> "Hermance, George" <George.Hermance@parsons.com> 7/10/2007 2:58 PM
>>>
Rob,
A reply to your questions regarding the June 6, 2007 cadmium result for Outfall 01A are provided below. Please feel free to call or email if you have any additional questions. Please advise if we should submit the Report of Noncompliance Event with the June DMR.
1. How does reanalyzing without digestion help determine if there was a problem with the original analysis?

Reply: With an aqueous sample that does not contain visible suspended particulate, the major amount of the metal is dissolved in the water so it should approximate the total. For example, this same Outfall 01A sample had a total zinc result of 1.01 mg/L and a dissolved zinc result of 0.823 mg/L. So, about 82% of the total zinc was dissolved within the sample.
Subsequently, the undigested analysis is used as an approximation of the dissolved, so if the undigested result varies by more than +/- 25% from the total, as the cadmium did, a potential problem with the original analysis is suggested.

2. Why does the undigested sample result of 0.0018 mg/l indicate that either the sample did not contain the exhibited level of Cd (0.058 mg/l) or there was a problem during the initial digestion process, wouldn't we expect an undigested sample to have a lower result than the digested sample?

Reply: Based on the lack of visible suspended particulate, the expectation is that the digested and undigested samples would be about the same (see reply to question 1).

3. If it is true that an undigested sample would have a lower result than a digested sample (from the same source), how does the lab explain why the re-digested and re-analyzed sample had a result that was not above the reporting limit of 0.001 mg/l, but the result of the undigested sample was higher at 0.0018 mg/l?

Reply: The undigested result of 0.0018 mg/L of cadmium was an approximation. The result was used for screening purposes only and was not used as an official, qualified result.
Laboratory QA/QC procedures provide for an acceptable level of variation between replicate measurements. This sample could be analyzed multiple times, and the results will have a statistical variation to them. One time it could be 0.0018 mg/L; the next it could be 0.0009 mg/L, which would be reported as <0.001 mg/L. Also, the level of variation increases as the reporting limit is approached. However, a variation of 0.058 mg/L to 0.0018 mg/L (a relative percent difference of 100%) is far outside the acceptable limit of 25% variation.
Although the undigested result is expected to be lower than the digested, this result is only 0.0008 mg/L above the reporting limit. The undigested result was only 1.8 times the 1 ppb reporting limit. The original cadmium result was 58 ppb, or 58 times the reporting limit of 1 ppb. The reliability of a replicate measurement decreases as five times the reporting limit is approached, and even more so as the reporting limit itself is

approached.

4. Preventative measures include taking additional care in the cleaning of the digestion vessels. What does this mean in terms of procedural changes? What are the current cleaning procedures?

Reply: The procedure for dissolved metals analysis is to filter an un-preserved portion of the sample through a 0.45 µm filter, preserve the filtrate with nitric acid, allow the preserved filtrate to stand for
16 hours and then analyze it directly without digestion.
The cleaning procedures for metals labware is summarized below:
- All labware is washed using a brush and soapy water to remove all traces of visible dirt and contaminates.
- Then the labware is rinsed three times with Deionized (DI) water.
- Metals glassware/plasticwear is then rinsed with a 20% Nitric Acid solution and rinsed again three times with DI water. It is then allowed to air dry.
The person responsible for cleaning the digestion vessels has been asked to review the cleaning procedures to ensure all steps are followed with care. The procedures in place work most of the time but human error will never be eliminated. The laboratory is in the process of purchasing an automated mechanical dishwasher designed for laboratory use that will greatly improve our cleaning processes.

George W. Hermance
Parsons
40 La Riviere, Suite 350
Buffalo, N.Y. 14202
Direct: (716) 406-1133
Fax: (716) 541-0760
Mobile: (716) 861-7882
Safety - Make It Personal

-----Original Message-----
From: Robert Locey [mailto:rllocey@gw.dec.state.ny.us]
Sent: Tuesday, June 26, 2007 3:58 PM
To: Hermance, George
Subject: Re: Former Carborundum Complex, Cory Rd. Sanborn, NY (SPDESNY0001988)

I don't understand the explanation. I hope to have a DEC staff chemist take a look at this. My questions are:

1. How does reanalyzing without digestion help determine if there was a problem with the original analysis?
2. Why does the undigested sample result of 0.0018 mg/l indicate that either the sample did not contain the exhibited level of Cd (0.058 mg/l) or there was a problem during the initial digestion process, wouldn't we expect an undigested sample to have a lower result than the digested sample?
3. If it is true that an undigested sample would have a lower result than a digested sample (from the same source), how does the lab explain why the re-digested and re-analyzed sample had a result that was not above the reporting limit of 0.001 mg/l, but the result of the undigested sample was higher at 0.0018 mg/l?
4. Preventative measures include taking additional care in the cleaning of the digestion vessels. What does this mean in terms of procedural changes? What are the current cleaning procedures?

Perhaps you could get answers to these from the lab person or we could have a conference call to discuss them. In the mean time, hold off on the Report of Noncompliance until we get this resolved.

>>> "Hermance, George" <George.Hermance@parsons.com> 6/26/2007 11:21 AM

>>> >>>
Rob,
Attached is the laboratory's explanation of the cadmium issue at Outfall 01A.

<<Parsons7F06024CdLetter.pdf>>
George W. Hermance
Parsons
40 La Riviere, Suite 350
Buffalo, N.Y. 14202
Direct: (716) 406-1133
Fax: (716) 541-0760
Mobile: (716) 861-7882
Safety - Make It Personal

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

January 25, 2008

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

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 December 1, 2007 through December 31, 2007 for the subject SPDES outfall. There was one laboratory exceedence for the month. The December 20, 2007 analytical result for phenol (0.010 mg/L) exceeded the 0.008 mg/L permit-defined limit for phenol. Our conclusion, based on the laboratory re-analysis of the sample and subsequent investigation of this exceedence, including historical data is that the exceedence is related to laboratory glassware contamination.

A letter from the laboratory, Waste Stream Technologies, Inc., is attached. The letter describes the investigation, the immediate corrective action taken, and preventative long-term corrective action put in place by the analytical laboratory. In accordance with the discharge monitoring report requirements, a report of non-compliance event is also attached.

Please contact the writer if there are any questions.

Sincerely,

William B. Barber
Project Manager

Enclosures

cc: Timothy Dieffenbach – NYSDEC (w/encl.)
Matthew Forcucci – NYSDOH (w/encl.)
R. Becken – O&M Enterprises (w/encl.)
K. Scott – Metaullics (w/encl.)
G. Hermance – Parsons (w/encl.)
442951 File No. 9

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	12	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******		******	57.63°F	58.6° F	deg F	0	01/30	GR
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	90 DAILY MX	deg F		Monthly	GRAB
Flow rate	SAMPLE MEASUREMENT	23,825	29,400	gal/d	******	******	******		0	99/99	MS
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	864000 DAILY MX	gal/d	******	******	******			Continuous	METER
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	******	******		******	<4.0	<4.0	mg/L	0	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	5 DAILY AV	30 DAILY MX	mg/L		Twice Per Month	COMP24
pH	SAMPLE MEASUREMENT	******	******		7.81	******	8.30	SU	0	01/07	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	******	******		******	<4.0	<4.0	mg/L	0	02/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	20 DAILY AV	40 DAILY MX	mg/L		Twice Per Month	COMP24
Oil & grease	SAMPLE MEASUREMENT	******	******		******	9.4	12.5	mg/L	0	02/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	15 DAILY MX	mg/L		Twice Per Month	GRAB
Cyanide, total (as CN)	SAMPLE MEASUREMENT	******	******		******	<10	<10	ug/L	0	01/30	24
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	60 DAILY MX	ug/L		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber	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		2008	01	25
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

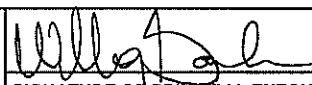
NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	12	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Arsenic, total (as As)	SAMPLE MEASUREMENT	******	******		******	<9.0	<9.0	ug/L	0	01/30	24
01002 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	190 DAILY MX	ug/L		Monthly	COMP24
Cadmium, total (as Cd)	SAMPLE MEASUREMENT	******	******		******	5.0	5.0	ug/L	0	01/30	24
01027 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Monthly	COMP24
Chromium, total (as Cr)	SAMPLE MEASUREMENT	******	******		******	<5.0	<5.0	ug/L	0	01/30	24
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	50 DAILY MX	ug/L		Monthly	COMP24
Copper, dissolved (as Cu)	SAMPLE MEASUREMENT	******	******		******	<9.0	<9.0	ug/L	0	01/30	24
01040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	Req. Mon. DAILY MX	ug/L		Monthly	COMP24
Copper, total (as Cu)	SAMPLE MEASUREMENT	******	******		******	19	19	ug/L	0	01/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	32 DAILY MX	ug/L		Monthly	COMP24
Iron, total (as Fe)	SAMPLE MEASUREMENT	******	******		******	<.083	<.083	mg/L	0	01/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	4 DAILY MX	mg/L		Monthly	COMP24
Lead, total (as Pb)	SAMPLE MEASUREMENT	******	******		******	<15	<15	ug/L	0	01/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	50 DAILY MX	ug/L		Monthly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber / Project Manager	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 8036		2008	01	25
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	12	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, dissolved (as Zn)	SAMPLE MEASUREMENT	******	******		******	1.0	1.0	mg/L	0	01/30	24
01090 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	Req. Mon. DAILY MX	mg/L		Monthly	COMP24
Zinc, total (as Zn)	SAMPLE MEASUREMENT	******	******		******	1.30	1.30	mg/L	0	01/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	5 DAILY MX	mg/L		Monthly	COMP24
1,2-Dichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
32103 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Chloroform	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
32106 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Methylene chloride	SAMPLE MEASUREMENT	******	******		******	<2.5	3.0	ug/L	0	01/07	24
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,1-Dichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34496 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,1-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34501 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber / Project Manager	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.	William Barber	716 271 8030		2008	01	25
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	12	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1,1,1-Trichloroethane	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
1,2-trans-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	01/07	24
34546 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24
Vinyl chloride	SAMPLE MEASUREMENT	******	******		******	<1.0	<1.0	ug/L	0	02/30	24
39175 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Twice Per Month	COMP24
Phenols	SAMPLE MEASUREMENT	******	******		******	8.5	10	ug/L	1	02/30	24
46000 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	8 DAILY MX	ug/L		Twice Per Month	COMP24
Chlorine, total residual	SAMPLE MEASUREMENT	******	******		******	<.22	<.22	mg/L	0	01/30	GR
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	.5 DAILY MX	mg/L		Monthly	GRAB
Mercury, total (as Hg)	SAMPLE MEASUREMENT	******	******		******	<.2	<.2	ug/L	0	01/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	.8 DAILY MX	ug/L		Monthly	COMP24
Trichloroethene	SAMPLE MEASUREMENT	******	******		******	2.0	2.0	ug/L	0	01/07	24
78391 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
William Barber / Project Manager	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.		716-271-8038		2008	01	25
TYPED OR PRINTED			AREA Code	NUMBER	YEAR	MO	DAY

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	12	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
GROUNDWATER TREATMENT SYSTEM
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1,2-cis-Dichloroethylene	SAMPLE MEASUREMENT	******	******		******	< 1.0	1.0	ug/L	0	01/07	24
81574 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******		******	Req. Mon. DAILY AV	10 DAILY MX	ug/L		Weekly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber / Project Manager	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		2008	01	25
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)

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

Form Approved
OMB No. 2040-0004

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

NAME: FORMER CARBORUNDUM COMPLEX
ADDRESS: 4850 EAST 49TH ST, MBC3-147
CUYAHOGA HEIGHTS, OH 44125
FACILITY: FORMER CARBORUNDUM COMPLEX
LOCATION: 2040 CORY ROAD
SANBORN, NY 14132
ATTN:WILLIAM BARBER, PROJ MGR

NY0001988	01AV
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	07	10	01	TO	07	12	31

DMR MAILING ZIP CODE: 44125-1079
MAJOR
(SUBR09)
OUTFALL 01A ACTION LEVELS
External Outfall
No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Nickel, total (as Ni)	SAMPLE MEASUREMENT	******	.002	lb/d	******	******	******		0	01/90	24
01067 V 0 See Comments	PERMIT REQUIREMENT	******	.07 DAILY MX	lb/d	******	******	******			Quarterly	COMP24
Silver, total (as Ag)	SAMPLE MEASUREMENT	******	0.001 ~~.0009~~ EAF	lb/d	******	******	******		0	01/90	24
01077 V 0 See Comments	PERMIT REQUIREMENT	******	.07 DAILY MX	lb/d	******	******	******			Quarterly	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
William Barber / Project Manager	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]	216 271 8038		2008	01	25
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)

Waste Stream Technology Inc.
302 Grote Street
Buffalo, N.Y. 14207-2442
Phone (716) 876-5290
FAX (716) 876-2412

January 14, 2008

Mr. George Hermance
Parsons Engineering
40 La Riviere Drive, Suite 350
Buffalo, NY 14202

Dear George,

Please use this letter for the NYSDEC Report of Noncompliance Event regarding the initial result for Phenol from the December 20, 2007 Outfall 01A sample from the BP, Sanborn NY project site. This sample corresponds to the Waste Stream Technology Inc Work Order # 7L21002 and sample ID number 7L21002-01.

To summarize the events, sample number 7L21002-01 had an original result for Phenols of 0.010 mg/L. Since this result would have exceeded the discharge permit and as the historical data review on this Outfall sample shows that it has not exhibited Phenol at this level, another aliquot of the sample was re-analyzed on January 11, 2008 to determine if a glassware contamination problem was the reason to suspect that the 0.010mg/L result was incorrect. With a result of <0.005 mg/L in the re-analysis it appeared that the sample did not contain the exhibited level (0.010 mg/L) of Phenol, and that a glassware contamination problem occurred during the initial preparation and analyses process.

The immediate corrective action taken was to re-analyze the sample and to compare the results of the two analyses. The preventive long-term corrective action is to reduce potential carryover contamination by taking additional care in the cleaning of the Phenolics glassware. If there is an exceedance, the sample will automatically be re-analyzed to evaluate the data from the multiple analyses and determine the probable cause of the exceedance.

Please do not hesitate to contact me if you have any questions or comments regarding this matter.

Sincerely,

Daniel W. Vollmer

Daniel W. Vollmer
Laboratory QA/QC Officer

Appendix B

SECTION 1

New York State Department of Environmental Conservation
Division of Water

Report of Noncompliance Event

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

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

SECTION 2

SPDES #: NY- 0001988 **Facility:** Former Carborundum Complex – Cory Rd, Wheatfield

Date of noncompliance: 01/11/08 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 01A

Description of noncompliance(s) and cause(s):

Phenols were found at a level greater than the discharge limit of 8 ppb. A level of 10 ppb was reported for phenols in the initial analysis. The probable cause of the noncompliance event is attributed to glassware contamination. Previous analytical results for phenols include < 5 ug/L (not detected - 10/1/07), < 5 ug/L (not detected – 10/17/07), < 5 ug/L (not detected - 11/7/07), < 5 ug/L (not detected - 11/21/07), and 7 ug/L (12/5/07). Historically, phenols have not exceeded the discharge limit of 8 ug/L.

Has event ceased? (Yes) (No) **If so, when?** 01/11/08 **Was event due to plant upset?** (Yes) (No) **SPDES limits violated?** (Yes) (No)

Start date, time of event: 01/11/08, 09:00 (AM) (PM) **End date, time of event:** 01/11/08, 12:18 (AM) (PM)

Date, time oral notification made to DEC? 01/11/08, 01:15 (AM) (PM) **DEC Official contacted:** Rob Locey

Immediate corrective actions:

After review of the data it was determined that it is not typical to see phenols at a level above the discharge limit. Another aliquot of the sample was analyzed and found to be below the analytical detection limits of 5 ug/L. The analytical laboratory suspects that a glassware contamination problem occurred during initial sample preparation and during analysis.

Preventive (long term) corrective actions:

Reduce the potential for carryover glassware contamination by taking additional care in cleaning of the phenols glassware. If there is an exceedence the sample will automatically be re-analyzed to evaluate the data from multiple analyses and determine the probable cause of the exceedence.

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: William B. Barber **Title:** Project Manager **Date:** 01/22/08

Phone #: (216) 271-8038 **Fax #:** (216) 271-8937

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

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

EPA

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY	
N	1
1	2

NPDES Permit Number										
N	Y	0	0	0	1	9	8	8		
3	4	5	6	7	8	9	10	11	12	13

Current Permittee Mailing Address

NPDES Permit Number: NY0001988 Phone: (216) 271-8038

Elm Holdings Inc. C/O BP Exploration
William B. Barber
4850 East 49th Street
MBC3-147
Cuyahoga Heights, OH 44125

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

E	l	m		H	o	l	d	i	n	g	s		I	n	c	.		C	/	O		B	P		E	x	p	l	o	r	a	t	i	o	n
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

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. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
William B. Barber Project Manager	William B. Barber	August 28, 2007

Address of Certifying Official (if different from Permittee address above)	Telephone Number
	216. 271. 8038

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

Paperwork Reduction Act Notice

Public reporting burden for this collection of information is estimated to average 4.37 hours per respondent. The estimate is based on conduction of an average of eleven analyses per responding permittee (the most frequently reported analyses are chemical). The estimate includes time for reading instructions, preparation of the performance samples, analyses, gathering, and reporting of the information. Send comments regarding the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to Director, OPPE Regulatory Information Division, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., N.W., Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17th St., NW, Washington, DC 20503, Attn.: Desk Officer for EPA. Include the EPA ICR number (EPA # 254.06) and the OMB number (2080-0021) in any correspondence.

Checklist for the NPDES Permittee Data Report Form

Enter your NPDES permit number at the top of page 17 and 19, and where indicated on each laboratory data sheet you submit for evaluation. Also fill in other Permittee information on page 17.

You must fill in the 2-digit **permit extension** field at the top of page 17, if there is an extension for your permit code. If you have one, the extension will appear next to your permit code in the address box on page 17; for example: "NPDES Permittee MA0102551-**01**." If there is no extension, leave this field blank.

1. Identify each of your laboratories on page 19, including their U.S. EPA Lab code. (NOTE: The U.S. EPA Lab code of the laboratory that produced the data must also appear next to each quantity reported on the data sheets.)

2. Make copies of these four cover pages. Then attach a copy of these pages to the data sheet received from each laboratory, to create a complete Permittee Data Package. Submit each of these Permittee Data Packages to the provider who supplied the samples which were analyzed. **You are responsible for submitting data** to the various providers to meet your DMR-QA Study 27 reporting requirements.

3. Sign and date the certification statement on page 17.

4. Only use these Permittee cover pages along with the data sheet supplied by each laboratory to report DMR-QA Study 27 data.

5. Submit the Permittee Data Packages to the providers **no later than August 31, 2007.**

6. Submit a copy of the data package to your state or Regional NPDES Regulatory Authority.

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number
NY0001988

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number: N 2 / 1 2

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an 'X' in all that apply: Chem	Micro	Tox	Lab Type – choose one: F = Federal, S = State, G = Local Gov., C=Commercial, I = Industrial, O = Other
Waste Stream Technologies	302 Grote Street Buffalo, NY 14207	N Y 0 0 0 6 8 8 9 (3 4 5 6 7 8 9)	x (10)		(11)	C (12)
		(13 14 15 16 17 18 19)	(20)		(21)	(22)
		(23 24 25 26 27 28 29)	(30)		(31)	(32)
		(33 34 35 36 37 38 39)	(40)		(41)	(42)

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street
Buffalo, N.Y. 14207-2442
Phone (716) 876-5290
FAX (716) 876-2412

August 22, 2007

Mr. George Hermance
Parsons Engineering
40 La Riviere Drive
Suite 350
Buffalo, NY 14202

Dear Mr. Hermance,

As per your request, enclosed please find the result report sheets for the NYSDOH Proficiency Test samples that can be used to fulfill your USEPA DMR-QA Study 27 requirements. The following parameters have been reported:

Biochemical Oxygen Demand
Total Suspended Solids
pH
Oil and Grease
Total Phenolics (4-AAP)
Total Cyanide
Arsenic
Cadmium
Chromium
Copper
Iron
Nickel
Lead
Silver
Zinc
Mercury
Total Residual Chlorine

Please call me if you have any comments or questions regarding this matter.

Sincerely,

Daniel W. Vollmer

Daniel W. Vollmer
Laboratory QA/QC Officer

Permittee: Former Carborundum Corp ~~Carborundum~~ EPA Lab code: NY00068 Permit Number: NY0001988

Chemistry/Microbiology/Analyte Checklist

DMR-QA Study 27

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
☐	☐	**Microbiology**	☐	☐
☐	☐	*E.coli*	☐	☐
☐	☐	Fecal Coliform, MF or MPN	☐	☐
☐	☐	Total Coliform, MF or MPN	☐	☐
☐	☐	**Trace Metals**	☐	☐
☐	☐	Aluminum	☐	☐
☐	☐	Antimony	☐	☐
☒	☐	Arsenic	☐	☐
☐	☐	Barium	☐	☐
☐	☐	Beryllium	☐	☐
☒	☐	Cadmium	☐	☐
☒	☐	Chromium, total	☐	☐
☐	☐	Chromium, hexavalent	☐	☐
☐	☐	Cobalt	☐	☐
☒	☐	Copper	☐	☐
☒	☐	Iron	☐	☐
☒	☐	Lead	☐	☐
☐	☐	Manganese	☐	☐
☒	☐	Mercury	☐	☐
☐	☐	Molybdenum	☐	☐
☒	☐	Nickel	☐	☐
☐	☐	Selenium	☐	☐
☒	☐	Silver	☐	☐
☐	☐	Thallium	☐	☐
☐	☐	Vanadium	☐	☐
☒	☐	Zinc	☐	☐
☐	☐	**Demands**	☐	☐
☒	☐	5-day BOD	☐	☐
☐	☐	5-day Carbonaceous BOD	☐	☐
☐	☐	COD	☐	☐
☐	☐	TOC	☐	☐
☐	☐	**Minerals**	☐	☐
☐	☐	Alkalinity, total ($CaCO_3$)	☐	☐
☐	☐	Chloride	☐	☐
☐	☐	Fluoride	☐	☐
☐	☐	Hardness, total ($CaCO_3$)	☐	☐
☐	☐	Specific conductance (25°C)	☐	☐
☐	☐	Sulfate	☐	☐
☐	☐	Total Dissolved Solids (180°C)	☐	☐
☐	☐	**Nutrients**	☐	☐
☐	☐	Ammonia as N	☐	☐
☐	☐	Nitrate as N	☐	☐
☐	☐	Nitrite as N	☐	☐
☐	☐	Orthophosphate as P	☐	☐
☐	☐	Total Kjeldahl-Nitrogen as N	☐	☐
☐	☐	Total Phosphorus as P	☐	☐
☐	☐	**Misc. Analytes**	☐	☐
☒	☐	Non-Filterable Residue (TSS)	☐	☐
☒	☐	Oil and Grease	☐	☐
☒	☐	pH	☐	☐
☒	☐	Total Cyanide	☐	☐
☒	☐	Total Phenolics (4-AAP)	☐	☐
☒	☐	Total Residual Chlorine	☐	☐
☐	☐	Settleable Solids	☐	☐
☐	☐	Turbidity	☐	☐

Daniel W. Vollmer
Print Name

8/22/07
Date

Daniel W. Vo[signature] QA/QC Officer
Signature/Title

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0501
Instructions: NWINORGANI

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW DEMND Demand

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Biochemical Oxygen Demand	2,0,5,7	N/A	< / >	77.0	mg/L
Technology: Titrimetry (visual indicator) **Select Test Method used: (2057 , 9014)**					
Chemical Oxygen Demand	[redacted]	N/A	< / >	[redacted]	mg/L
Technology: Ultraviolet Or Visible Molecular Absorption Spectrometry **Select Test Method used: (2098 , 2557)**					
Organic Carbon, Total		N/A	< / >		mg/L
Technology: Infrared Spectrometry **Select Test Method used: (2293)**					

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/20/07 Telephone: 716-876-5290

ANALYST [signature] ANALYTE(S) COD DATE 8/15/07

ANALYST [signature] ANALYTE(S) BOD DATE 8/20/07

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0502
Instructions: NWINORGANI

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW RESID Residue

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT
[redacted]	[redacted]	N/A	○ < ○ >	[redacted] mg/L
Technology: Gravimetry Select Test Method used: (2343 , 9063)				
Solids, Total Suspended	2,3,4,9	N/A	○ < ○ >	64.4 mg/L
Technology: Gravimetry Select Test Method used: (2349 , 9065)				

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR _____ DATE 8/17/07 Telephone: 716-876-5290

ANALYST Mike Shulman ANALYTE(S) TS DATE 8/3/07

ANALYST Mike Shulman ANALYTE(S) TSS DATE 8/3/07

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0503
Instructions: NWPH

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW NWHYD Hydrogen Ion

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT
Hydrogen Ion (pH)	2202	N/A	8 <	7.65

Technology: Potentiometry (ion-selective Electrode) **Select Test Method used: (2202 , 4009)**

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/17/07 Telephone: 716-876-5290

ANALYST Michael W. Coughlin ANALYTE(S) pH (H2O) DATE 8/2/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0510
Instructions: NWOILG

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW OILGR Oil and Grease

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Oil & Grease Total Recoverable	1,6,6,4	N/A	≤	56.0	mg/L

Technology: Gravimetry **Select Test Method used:** (1664)

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR _____ DATE 8/9/07 Telephone: 716-876-5290

ANALYST _____ ANALYTE(S) O&G DATE 8/9/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0509
Instructions: NWINORGANI

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW PHNOL Phenols

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT
Phenols	2321	N/A	8 <	0.791 mg/L

Technology: Ultraviolet Or Visible Molecular Absorption Spectrometry **Select Test Method used: (2321)**

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR _____ DATE 8/17/07 Telephone: 716-876-5290

ANALYST Michael G. Taylor ANALYTE(S) Phenol DATE 8/16/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0512
Instructions: NWCN

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW NWCN Total Cyanide

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT
Cyanide, Total	2171	N/A		0.767 mg/L

Technology: Ultraviolet Or Visible Molecular Absorption Spectrometry **Select Test Method used: (2171)**

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/17/07 Telephone: 716-876-5290

ANALYST Michael G. [signature] ANALYTE(S) CN⁻ DATE 8/13/07

ANALYST ________ ANALYTE(S) ________ DATE ________

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0511A
Instructions: NWMETALS

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW MET12 Metals I and II

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Aluminum, Total			< >	.	ug/L
Antimony, Total			< >	.	ug/L
Antimony, Total			< >	.	ug/L
Arsenic, Total			< >	.	ug/L
Arsenic, Total	2017	2650	< >	410 .	ug/L
Barium, Total			< >	.	ug/L
Beryllium, Total			< >	.	ug/L

Aluminum, Total — **Technology:** Inductively-coupled Plasma Atomic Emission Spectrometry **Select Test Method used: (2017 , 4065)** **Select Prep Method used: (2650 , 3015 , 4015)**

Antimony, Total — **Technology:** Graphite Furnace Atomic Absorption Spectrometry **Select Test Method used: (2038 , 4020 , 9102)** **Select Prep Method used: (2650 , 3015)**

Antimony, Total — **Technology:** Inductively-coupled Plasma Atomic Emission Spectrometry **Select Test Method used: (2017 , 4065)** **Select Prep Method used: (2650 , 3015)**

Arsenic, Total — **Technology:** Graphite Furnace Atomic Absorption Spectrometry **Select Test Method used: (4021 , 9102)** **Select Prep Method used: (2650 , 3015)**

Arsenic, Total — **Technology:** Inductively-coupled Plasma Atomic Emission Spectrometry **Select Test Method used: (2017 , 4065)** **Select Prep Method used: (2650 , 3015 , 4015)**

Barium, Total — **Technology:** Inductively-coupled Plasma Atomic Emission Spectrometry **Select Test Method used: (2017 , 4065)** **Select Prep Method used: (2650 , 3015 , 4015)**

Beryllium, Total — **Technology:** Inductively-coupled Plasma Atomic Emission Spectrometry **Select Test Method used: (2017 , 4065)** **Select Prep Method used: (2650 , 3015 , 4015)**

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/29/07 Telephone: 716-876-5290

ANALYST T. Porfido ANALYTE(S) NW Metals DATE 8/20/07

ANALYST ______ ANALYTE(S) ______ DATE ______

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0511A
Instructions: NWMETALS

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW MET12 Metals I and II

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Boron, Total			< >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (*)					
Cadmium, Total	2017	2650	< >	253	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (2650, 3015, 4015)					
Chromium, Total	2017	2650	< >	607	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (2650, 3015, 4015)					
Cobalt, Total			< >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (2650, 3015, 4015)					
Copper, Total	2017	2650	< >	733	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (2650, 3015, 4015)					
Iron, Total	2017	2650	< >	1740	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	Select Test Method used: (2017, 4065)				
Select Prep Method used: (2650, 3015, 4015)					
Lead, Total	2017		< >		ug/L
Technology: Graphite Furnace Atomic Absorption Spectrometry	Select Test Method used: (2238, 4031, 9102)				
Select Prep Method used: (2650, 3015, 4066)					

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/21/07 Telephone: 716-876-5290

ANALYST T. Pinsko ANALYTE(S) NW Metals DATE 8/20/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0511A
Instructions: NWMETALS

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW MET12 Metals I and II

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Lead, Total	200.7	2650	<	2250.	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Manganese, Total			<		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Nickel, Total			<		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Selenium, Total			<		ug/L
Technology: Graphite Furnace Atomic Absorption Spectrometry	**Select Test Method used:** (2361 , 4037)				
Select Prep Method used: (2650 , 3015)					
Selenium, Total			<		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Silver, Total	200.7	2650	<	456	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015)					
Strontium, Total			<		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (4015)					

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR _____ DATE 8/21/07 Telephone: 716-876-5290

ANALYST T. Pruffer ANALYTE(S) NW Metals DATE 8/20/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0511A
Instructions: NWMETALS

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW MET12 Metals I and II

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Thallium, Total			○ < ○ >		ug/L
Technology: Graphite Furnace Atomic Absorption Spectrometry	**Select Test Method used:** (2408 , 9102)				
Select Prep Method used: (2650)					
Thallium, Total			○ < ○ >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Vanadium, Total			○ < ○ >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Zinc, Total	20171	26150	○ < ○ >	888	ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/21/07 Telephone: 716-876-5290

ANALYST T. Pinafore ANALYTE(S) NW Metals DATE 8/20/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry

Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0511B
Instructions: NWMETALS

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW MET3 Metals III

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Molybdenum, Total			O < O >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017 , 4065)				
Select Prep Method used: (2650 , 3015 , 4015)					
Tin, Total			O < O >		ug/L
Technology: Inductively-coupled Plasma Atomic Emission Spectrometry	**Select Test Method used:** (2017)				
Select Prep Method used: ( )					
Mercury, Total	2,2,5,8		O < O >	0.24	ug/L
Technology: Cold Vapor Atomic Absorption Spectrometry	**Select Test Method used:** (2258 , 4038)				
Select Prep Method used: ( )					

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR [signature] DATE 8/17/07 Telephone: 716-876-5290

ANALYST Joanna Anasiewicz ANALYTE(S) Hg DATE 8/16/07

ANALYST _____ ANALYTE(S) _____ DATE _____

PT Provider and Certifying Authority:
New York State Department of Health
Wadsworth Center -- ELAP
P.O. Box 509
Empire State Plaza
Albany, NY 12201-0509
A2LA 1785.01

Non Potable Water Chemistry
Proficiency Test Results

Shipment ID: 305

Shipment Date: July 16, 2007

Due Dates:
Paper/Fax (518) 485-5568: August 15, 2007
Web Site Due Date: August 30, 2007

Lab: 11179 WASTE STREAM TECHNOLOGY
302 GROTE STREET
BUFFALO, NY 14207

SAMPLE #: 0547
Instructions: NW_TRC

Please enter, if available **EPA Lab ID** *number here* NY00068

SAMPLE NW TRC Total Residual Chlorine

ANALYTE NUMBER / NAME	TEST METHOD	PREP METHOD	Less or Greater than	RESULT	
Total Residual Chlorine	1075	N/A	< / >	3.01	mg/L

Technology: Titrimetry (visual Indicator) **Select Test Method used: (1075)**

I attest that the Proficiency Test results reported on this page were generated in the following manner: The PT samples were integrated into this laboratory's normal workload and analyzed the same number of times by the same methods as routine samples. Results approved to be reported.

LAB DIRECTOR _____ DATE 8/20/07 Telephone: 716-876-5290

ANALYST Gregory A Szymanski ANALYTE(S) TRC DATE 8/16/07

ANALYST _____ ANALYTE(S) _____ DATE _____

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000030726	1	(800)326-1221	000015518WAS

GENERATOR

5. Generator's Name and Mailing Address
ELM HOLDINGS C/O PARSONS / GEORGE HERMANCE
40 LARIVIERE DR SUITE 350
BUFFALO, NY 14202
Generator's Phone: (216)271-0838

Generator's Site Address (if different than mailing address)
ELM HOLDINGS, INC. / WILLIAM BARBER
2040 CORY DRIVE
SANBORN, NY 14132
GEN: 116765

6. Transporter 1 Company Name: HERITAGE TRANSPORT, LLC — U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VON ROLL AMERICA, INC.
1250 SAINT GEORGE STREET
EAST LIVERPOOL, OH 43920
Facility's Phone: (330)385-7336
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PGIII, (TRICHLOROETHENE), ERG#171	004	DM	2400	P	F001	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1,000 WI D433230 LDR

[10571970

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Daniel Kipp — Signature — Month: 3 — Day: 7 — Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jeff Stenger — Signature — Month: 3 — Day: 7 — Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month — Day — Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

02 CWM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000030726	1	(800)424-9300	000277483 GBF

GENERATOR

5. Generator's Name and Mailing Address
ELM HOLDINGS INC
2040 CORY DR
SANBORN NY 14132-9386
Generator's Phone: (216) 586-5605

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: TONAWANDA TANK Transport Group — U.S. EPA ID Number: NYD097644801

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 754-8231

U.S. EPA ID Number: NYD049836679

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. HAZARDOUS WASTE, SOLID, N.O.S.,9,,NA3077,III,(F001) -3 NY100076	01	DM	300	P	F001
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. NY100076 - FILTER BAGS, PPE

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eric A. Fisher, Principal Geologist, Parsons, On Behalf of Elm Holdings, Inc — Signature: Principal Geologist, Parsons, On behalf of Elm Holdings, Inc — Month: 8 Day: 31 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jeffrey J Wantz — Signature: — Month: 08 Day: 31 Year: 07

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Michelle Fleck — Signature: Michelle Fleck — Month: 09 Day: 04 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR