GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
ANNUAL OPERATIONS REPORT
FOR THE PERIOD
JANUARY 1, 2008 THROUGH DECEMBER 31, 2008
FORMER YORK NAVAL ORDNANCE PLANT

SAIC Project 01-1633-00-5431-600

Prepared for:

Harley-Davidson Motor Company Operations, Inc.

York, PA

March 2009

Science Applications International Corporation
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Respectfully submitted,

Scott L. McFeaters, P.G.
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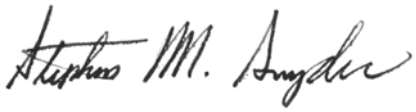

Stephen M. Snyder, P.G.
Project Director

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cfm	-	cubic feet per minute
cis-1,2-DCE	-	cis-1,2-dichloroethene
DCE	-	1,1-dichloroethene
EPA	-	United States Environmental Protection Agency
EPBA	-	Eastern Property Boundary Area
GAC	-	granular-activated carbon
gpd	-	gallons per day
gpm	-	gallons per minute
GWTS	-	groundwater extraction and treatment system
Harley-Davidson	-	Harley-Davidson Motor Company Operations, Inc.
IWTP	-	industrial wastewater treatment plant
lbs/day	-	pounds per day
MCL	-	maximum contaminant level
mg/L	-	milligrams per liter
NB4	-	North Building 4
NPBA	-	Northeast Property Boundary Area
NPDES	-	National Pollutant Discharge Elimination System
PADEP	-	Pennsylvania Department of Environmental Protection
PCE	-	tetrachloroethene
PTA	-	packed tower aerator
RI	-	remedial investigation
SAIC	-	Science Applications International Corporation
SPBA	-	Southeast Property Boundary Area
SRBC	-	Susquehanna River Basin Commission
TCA	-	1,1,1-trichloroethane
TCE	-	tichloroethene
TFO	-	thermal fume oxidizer
µg/L	-	micrograms per liter
VOCs	-	volatile organic compounds
WPL	-	West Parking Lot

EXECUTIVE SUMMARY

The groundwater extraction and treatment system (GWTS) for the former York Naval Ordnance Plant (fYNOP) located at Harley-Davidson Motor Company Operations, Inc. (Harley-Davidson) in York, Pennsylvania, has been in operation since November 1990. The system operated with few interruptions during the report period of January 1, 2008, through December 31, 2008. The GWTS, including a soil vapor extraction system, is designed to accomplish the following:

1. Prevent off-site groundwater migration in the Northeast Property Boundary Area (NPBA).

2. Remove volatile organic compound (VOC)-impacted groundwater in the 1,1,1-trichloroethane (TCA) Tank Area near Building 2.

3. Prevent off-site migration of groundwater in the West Parking Lot (WPL) Area.

4. Remove VOC-impacted groundwater at the former degreaser in the North Building 4 (NB4) Area.

5. Collect groundwater from the Building 3 Softail Dewatering Area's groundwater interceptor trench system east of the Softail plant which prevents VOC-impacted groundwater from discharging to the surface or into the building.

6. Remove contaminated soil vapors from the NB4 Area (note – this system is not discussed herein, but is annually reported under a separate cover to regulators).

The extraction system consists of fifteen (15) active extraction wells: nine (9) in the NPBA, one (1) in the TCA Tank Area, four (4) in the WPL/NB4 Area, and the Softail Dewatering Area's interceptor trench system including one (1) well CW-19. Several significant maintenance-related modifications or repairs were conducted during the 2008 report period. These included the replacement of underground power and control wiring for well CW-4, the replacement of flow meters for two system wells (CW-8 and CW-9), the installation of actuated valves for two system wells (CW-15A and CW-5), and replacement of granular carbon in the off-gas treatment system. An overall reliability assessment has been completed for the entire GWTS, and the final upgrades and repairs were implemented in 2008.

The permanent groundwater interceptor trench system at the Softail facility was operated for the entire reporting period. This collection system consists of a shallow interceptor trench (or toe drain), a deep interceptor trench and drain, and a capture well (CW-19). This system drains by gravity (except CW-19) to a pumping station which has automated controls.

Science Applications International Corporation (SAIC) estimates that approximately 1,560 pounds of VOCs were removed by the groundwater treatment system during the time period of January through December 2008. The total amount of groundwater extracted during this 12-month reporting period was approximately 155 million gallons. Since initiation of the program, approximately 35,471 pounds of VOCs have been removed.

Groundwater elevation data collected in April and September 2008 indicate that operation of groundwater extraction wells at the NPBA and the WPL resulted in areas of groundwater table depression. These depressions (or troughs) represent areas of groundwater capture that prevent off-site migration of VOC-impacted groundwater.

Extraction well CW-8 creates an area of groundwater depression in the TCA Tank Area. The pumping of this well prevents migration of VOCs from this interior plant area. Additionally, extraction well CW-15A (located at the northwestern corner of Building 4) has historically created a cone of depression in the area of a former degreaser capturing localized VOC-impacted groundwater. Groundwater elevation data collected in 2008 confirm that the groundwater level in these two pumping wells is at least four to five feet lower than in the surrounding monitoring wells.

The combined influent total VOC concentrations in captured groundwater averaged 1,205 micrograms per liter (µg/L) during 2008. Trichloroethene (TCE), TCA, cis-1,2-dichloroethene (cis-1,2-DCE), and tetrachloroethene (PCE) are the predominant VOCs comprising the Packed Tower Aerator (PTA) influent chemistry. The PTA effluent was sampled and reported on a quarterly basis in 2008. The treatment system effluent has maintained non-detectable concentrations of target VOCs during this reporting period.

During 2008, the extraction wells, off-site monitoring locations, and key monitoring wells were sampled for priority pollutant VOCs, metals and cyanide. Site-wide water levels measured in April and September 2008 showed little variation in the configuration of the site groundwater table. Water levels measured in April were generally two to five feet higher compared to September. This difference in groundwater levels is consistent with the water level trends that are expected based on the natural recharge cycle.

Historically, VOC concentrations in the NPBA extraction wells show a generally decreasing trend since November 1990. Concentrations in the NPBA monitoring wells have fluctuated during this same time period. For 2008, analytical data continued to support these trends. Monitoring well MW-10 did display its lowest TCE concentration to date (not detected at 25 µg/l) during sampling performed in 2008. The MW-10 sampling location had initially exhibited a TCE concentration of 34 µg/l in 1986, with a maximum TCE concentration of 1,300 µg/l reported in 1993.

The VOC concentrations in the TCA Tank Area extraction well (CW-8) have exhibited a decreasing concentration trend since June 1996, with total VOC concentrations stabilizing in the 400 to 800 µg/L range since 2001. Concentrations in the TCA Tank Area monitoring wells have fluctuated but show a generally decreasing trend during this same time period.

VOC concentrations have generally decreased at the WPL extraction wells since May 1994. During this time, most of the WPL monitoring wells have exhibited a relatively flat or gradual decreasing concentration trend for the most prevalent VOC in this area (TCE). In 2008, similar trends are evident for all collection and monitoring wells in the WPL.

All key monitoring wells were sampled for selected metals (hexavalent chromium, total chromium [includes trivalent and hexavalent forms], nickel, lead, and zinc) in the dissolved state

during the April/May 2008 sampling event. Additional metals sampling was performed for a subset of wells during the September/October sampling event. The only metal detected at a concentration above the United States Environmental Protection Agency (EPA) maximum contaminant level (MCL) was total chromium. Groundwater samples from two wells located west of the northern half of Building 4 (MW-47 and MW-51S) contained total chromium concentrations above the MCL of 0.1 milligrams per liter (mg/L). Concentrations of hexavalent chromium (in the dissolved state) were reported for three WPL wells (MW-7, MW-47, and MW-51S) at concentrations between 0.062 mg/L and 0.45 mg/L. The EPA has not established a specific MCL for only the hexavalent form of chromium in drinking water.

Off-site sampling of three local water supplies (one well and two springs) is routinely conducted proximal to the northern edge of the property. Laboratory analysis of these samples in 2008 detected no chemicals of concern common to Harley-Davidson groundwater. Since the off-site sampling began in 1988, no-site related constituents have been detected in the samples above the laboratory reporting limits. The offsite samples will continue to be collected as part of an annual monitoring program (every June).

1.0 INTRODUCTION

This report presents a summary of the operating record for the former York Naval Ordnance Plant (fYNOP) groundwater extraction and treatment system (GWTS) and groundwater quality data and groundwater level data monitored at the site. The fYNOP facility is located at the Harley-Davidson Motor Company Operations, Inc. (Harley-Davidson) York facility in Springettsbury Township, York, Pennsylvania, as shown on Figure 1-1. This report covers a 12-month period from January 1 through December 31, 2008. This reporting year data was collected for a supplemental remedial investigation. For that reason, two rounds of samples from key wells were collected, rather than one. These samples were taken along with samples from nearly all available wells associated with the fYNOP site. This report addresses the concerns and issues related to the key monitoring wells that have been reported on in previous annual reports. However, a more complete analysis of the larger data set will be completed as part of the groundwater remedial investigation report, which will be completed this year.

At the fYNOP, groundwater is extracted from fourteen (14) wells (CW-1, CW-1A, CW-2 through CW-7, CW-7A, CW-8, CW-9, CW-13, CW-15A, and CW-17) operating in three (3) separate areas designated as the Northeast Property Boundary Area (NPBA), the West Parking Lot (WPL) Area (including the North Building 4 [NB4] Area), and the 1,1,1-trichloroethane (TCA) Tank Area. Groundwater is also extracted from a subsurface gravity drainage system located along the upgradient (eastern) perimeter of Harley-Davidson's Softail facility (Building 3). This collection system, known as the Softail Dewatering System, was implemented in 2002 and consists of approximately 800 feet of deep interceptor trench and approximately 600 feet of shallow interceptor trench (toe drain). The locations of these collection systems are shown on Figure 1-2.

All extracted groundwater is piped to a central treatment system, located in the groundwater treatment building (Building 41) for processing through a packed tower aerator (PTA) system prior to discharge to the Codorus Creek, designated as Outfall No. 003 (Figure 1-1). Figure 1-3 presents a schematic flow diagram for this system. Prior to May 1994, PTA off-gases were treated by a granular-activated carbon (GAC) filter system for removal of volatile organic compounds (VOCs) before being discharged to the atmosphere. In May 1994, a thermal fume oxidizer (TFO) was installed and brought on-line to thermally destroy VOCs prior to atmospheric discharge. The economics of utilizing the TFO versus using GAC are regularly evaluated, and the most cost-effective treatment method is used with the other system serving as a backup. For calendar year 2008, the GAC served as the primary treatment method, operating approximately 98 percent of the available time.

The groundwater extraction and PTA treatment system was designed and installed pursuant to an order from the Pennsylvania Department of Environmental Protection (PADEP) dated September 11, 1990. In November 1990, 10 extraction wells in the NPBA and TCA Tank Areas were brought on-line, while ongoing studies were performed in the WPL. The WPL Area groundwater extraction system was brought on-line in May 1994. In conjunction with the WPL system start-up, PTA off-gases were redirected from the GAC filter to the TFO. Finally, the Softail Dewatering System was brought on-line in January 2004.

On December 2, 1993, the National Pollutant Discharge Elimination System (NPDES) permit No. PA0085677 was issued for the system. The most current permit renewal was issued by the PADEP on February 1, 2006. The renewed permit contained interim and final discharge limits based on relocating the treated groundwater discharge from Johnson Run, a tributary of Codorus Creek, to the Codorus Creek. Since June 2007, treated groundwater has been collected in a wet well located immediately northwest of Building 41 (refer to Figure 1-2). From the wet well, groundwater is pumped through a force main to Outfall 003 located along the Codorus Creek.

The data presented in this annual report were collected by Science Applications International Corporation (SAIC) under contract to Harley-Davidson and are summarized in the following chapter format:

- Chapter 2.0, Geology and Hydrogeology, summarizes the hydrogeologic conditions of the site.

- Chapter 3.0, Site-Wide Groundwater Monitoring, summarizes groundwater levels and quality.

- Chapter 4.0, Groundwater Extraction and Treatment System, describes the design capacity of the system and presents the record of influent and effluent water quality. The VOC loading to the PTA and GAC/TFO unit also is presented.

- Chapter 5.0, NPBA Groundwater Extraction System, summarizes water levels and VOC concentrations for each extraction well in the NPBA. System performance is evaluated based upon observed trends in the data.

- Chapter 6.0, TCA Tank Area Groundwater Extraction System, describes operation and performance of extraction well CW-8 located in this area. Water levels and VOC concentration data are used to evaluate system performance.

- Chapter 7.0, West Parking Lot Groundwater Extraction System, describes the operation of extraction wells in this area. System performance, water level data, and VOC trends are presented.

- Chapter 8.0, Softail Dewatering System, describes the operation of the groundwater collection system in this area.

- Chapter 9.0, Southern Property Boundary Area Well Monitoring, describes the groundwater quality in this area where no groundwater extraction is currently occurring.

- Chapter 10.0, Eastern Area Well Monitoring, discusses the groundwater quality monitored in this area, which is upgradient of the treatment plant.

- Chapter 11.0, Off-site Groundwater Monitoring, presents the record of groundwater quality data for off-site locations. System effectiveness at preventing off-site migration is evaluated based upon these data.

- Chapter 12.0, Additional Site-Wide Groundwater Chemistry, discusses the groundwater quality at selected wells across the site.

2.0 GEOLOGY AND HYDROGEOLOGY

Two geologic rock formations underlie the site. Solution-prone gray limestone underlies the flat lowland (western) portion of the site. Quartzitic sandstone underlying the more steeply sloping hills or upland area is present on the eastern part of the site. Groundwater beneath the site generally flows from the upland area at the eastern part of the site westward toward Codorus Creek. A detailed discussion of the geology and hydrogeology is included in a document prepared by SAIC in July 2006 entitled, "Field Sampling Plan for Supplemental Remedial Investigations."

3.0 SITE-WIDE GROUNDWATER MONITORING

The groundwater monitoring program at the Harley-Davidson site for this year consisted of:

- Measuring depth to water in all available monitoring and observation wells twice during the year,
- Sampling and chemical analysis of water from selected wells twice during the year.

3.1 Groundwater Flow Direction

The depth to water was measured in site-wide groundwater wells two times during the reporting period (April 21 and September 2, 2008). These measurements were taken from approximately 164 points (including 2 surface water locations) during both the April and September groundwater level monitoring events. The depth to water data for these events were converted to groundwater surface elevations and are presented in Table A-1 (found in Appendix A). Figures 3-1 and 3-2 (included in pockets at the end of the report) identify the location of each well that was measured, as well as its classification as a groundwater extraction well (see the symbol of a circle with a cross and two quadrants filled in), a key groundwater monitoring well (see the symbol of a circle with a dot inside), or a groundwater monitoring well (see the symbol of a circle with a cross and all quadrants empty).

Figures 3-1 and 3-2 present the interpreted shallow groundwater table surface from water levels measured on April 21 and September 2, 2008. The groundwater contours presented on these maps were generated using only water levels collected from wells screened in the shallow portion of the aquifer. The general configuration of the water table in the eastern half of the site indicates a gradient towards the west-southwest. The water table gradient beneath the eastern portion of the site, underlain by sandstone, is relatively steep. The water table gradient in the western half of the site is generally westward, towards the Codorus Creek. The water table gradient beneath the western portion of the site, underlain by limestone bedrock, is relatively flat.

A significantly large area centered around the Softail facility (Building 3) does not have monitoring wells. Groundwater contours in this area were adjusted to account for known surface seeps and the elevations of groundwater depression trenches actively collecting groundwater at the time of the survey. The trench locations and elevations are shown on Figures 3-1 and 3-2.

Figures 3-1 and 3-2 display general areas of groundwater depression as depicted by enclosed circles around active collection (pumping) wells at the site. Groundwater capture areas have also been approximated on Figures 3-1 and 3-2 using green lines. The capture zone boundaries represent a groundwater divide that is created by active pumping of collection wells. Groundwater on the inside of the capture zone boundary (i.e., toward the collection well) will flow toward the collection well while water on the outside of the capture zone boundary will flow in the direction of the natural gradient. Note that four locations (CW-1A, CW-7, CW-7A, and the Softail lift station) did not pump groundwater (or very little) on the day of the December water level measurement event due to low water conditions.

The capture areas indicated on Figures 3-1 and 3-2 were estimated by SAIC using preexisting knowledge obtained from groundwater pumping tests performed during the initial design phase

of the groundwater collection systems, along with site-specific data including an evaluation of groundwater flow paths and a review of measured hydraulic gradients. The northern extent of the capture zone for the NPBA wells that is shown on Figures 3-1 and 3-2 is based on limited information, due to the proximity of the property line and only one observation point (RW-2) on adjacent properties (at the time of the measurement events).

The April and September 2008 groundwater table contours are generally similar. In normal precipitation years, April water levels would be rising since this is within the typical groundwater recharge season, which ends when trees leaf out in May. September water levels are generally continuing to recede until the beginning of the recharge season, which starts when trees drop their leaves in October/November. Amount and timing of precipitation events result in the variations that are noted from year to year. A brief summary of seasonal water level fluctuations is presented below by bedrock aquifer type (also refer to Table 3-1, Table 3-2, and Figure 3-3):

- The water levels in the eastern portion of the site that is underlain by sandstone were approximately two to five feet higher in April 2008 compared to September 2008. This determination was made using data for wells in areas that are not affected by the NPBA extraction wells. The difference in groundwater levels is consistent with the water level trends that are expected based on the natural recharge cycle. Calendar year 2008 was a slightly wetter than normal year (refer to Table 3-1, Table 3-2 and Figure 3-3).

- Water levels in the limestone aquifer were generally one to two feet higher in April 2008 compared to September 2008. This difference in groundwater levels is consistent with the water level trends that are expected based on the natural recharge cycle. The months of April and September were both wetter than normal in 2008 compared to an average year (refer to Table 3-1).

3.2 Site-Wide Groundwater Sampling

Groundwater chemistry at the Harley-Davidson facility has historically been monitored by sampling a select group of monitoring wells (called “key wells”) and active groundwater extraction wells. The key well program was initiated in 1992. Selected characterization wells were designated as “key wells” based upon location and spatial distribution in order to provide representative groundwater quality data across the site. The key wells have historically been sampled to maintain a baseline of groundwater quality and to monitor changes in groundwater chemistry over time. Each year, the list of wells to be sampled is reviewed, and changes are made to cover new areas of concern, to replace wells that are abandoned for various reasons, or to achieve a better representation of the groundwater quality beneath the site. The key well groundwater sampling and analysis event has typically been conducted during June of each calendar year.

During calendar year 2008, two separate groundwater monitoring events were conducted. In April/May 2008, every well that is part of the Harley-Davidson groundwater monitoring network was scheduled for sampling as part of a site-wide supplemental remedial investigation (RI) work plan. This amounted to a total of 156 wells that were purged and sampled utilizing a modified

low flow sampling technique. Each well was sampled for the following parameters during the April/May 2008 event:

- Volatile organic compounds (VOCs)
- Priority pollutant metals - total and dissolved
- Hexavalent chromium - total and dissolved
- Cyanide - total and free

The results of the April/May 2008 event were reviewed and used to develop a reduced list of wells to sample during the second round. Additionally, the specific parameters to be analyzed during the second round were adjusted to eliminate some analyses for locations that were known not to contain specific contaminants. The September/October sampling event resulted in the sampling of 125 wells.

Presenting and evaluating the results of all groundwater analytical results for 2008 is beyond the scope of this report. A complete analysis of these data will be presented under separate cover as part of the Remediation Investigation (RI) reporting process. This annual O&M report will contain analytical results for the same 47 key wells analyzed in June 2007.

General groundwater quality trends based on current and past analytical results are discussed in subsequent chapters of this report. A summary of the analytical results from the 2008 key well sampling is presented on Table A-2. The groundwater extraction well analytical results are displayed on Table A-3. Graduated symbol posting maps for the total VOCs, trichloroethene (TCE), tetrachloroethene (PCE), total chromium (Cr^{+3} and Cr^{+6}, dissolved phase), and dissolved hexavalent chromium (Cr^{+6}) concentrations detected in the key wells in 2008 have also been included as Figures 3-4 through 3-13.

4.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

The GWTS serves to remediate groundwater containing dissolved VOCs that is recovered from five main areas of the site: NPBA, TCA Tank, NB4, WPL, and the Softail dewatering system.

4.1 System Description

Extraction wells within the NPBA, TCA Tank Area, NB4, and the WPL groundwater extraction areas remove groundwater by means of electric submersible pumps. A lift station pump removes water from a series of collection trenches in the vicinity of the Softail plant. The pumping water level within each extraction well is maintained by liquid level probes and control circuitry between the "on" and "off" probes. This produces an area of drawdown and groundwater capture. The extracted groundwater is conveyed via underground piping to the treatment system where the dissolved VOCs are removed from the groundwater.

The groundwater treatment system is housed in a 30-foot by 40-foot building attached to the west wall of the industrial wastewater treatment plant (IWTP). The process flow diagram for the system is presented in Figure 1-3. The treatment system consists of a 2,600-gallon equalization tank; a 5-foot-diameter by 47-foot-high PTA capable of treating 400 gallons per minute (gpm) of water; and a 10,000-pound vapor-phase GAC unit for PTA off-gas treatment. A TFO/incinerator is also maintained as backup to the GAC unit.

Extracted groundwater is pumped from the equalization tank at a maximum flow rate of 400 gpm to the top of the PTA. The water is then distributed evenly over the top of the polypropylene packing and flows down through the 36-foot-high packed section of the PTA. A 4,000 cubic foot per minute (cfm) centrifugal blower draws air through the PTA column. The VOCs are effectively "stripped" from the water and then either adsorbed to the GAC or destroyed by thermal oxidation as the off-gas passes through the TFO. The treated groundwater flows to a groundwater pump station located on the north side of Building 41 where it is pumped to a storm water outlet (Outfall No. 3) and discharged to Codorus Creek.

The groundwater treatment system is equipped with a PC-based RSView monitoring system. Remote computer terminals are located in both Harley-Davidson and SAIC offices where extraction well pumping rates and treatment processes can be monitored. System and extraction well pumping rates are adjusted at the site. System data, recorded in an Access® data base (via the RSView monitoring system) during 2008, is included in Appendix B.

4.2 System Maintenance and Modifications

Twice a month, system inspections are performed on the groundwater treatment system at the Harley-Davidson facility. The purpose of these inspections is to ensure effective operation of the system. A summary of operation and maintenance data recorded during these visits is included in Appendix C. Items reviewed during each visit include the following:

- Check for system alarms.
- Inspect control panels.
- Check water conveyance line pressures.

- Check pressure differential across the stripping tower.
- Check piping and pumps for leaks.
- Clean y-strainers of build up, etc., as necessary.
- Check and record amperage draws on all motors (quarterly).
- Record flow rates on recovery wells and transfer pump.
- Inspect TFO components.

Several significant maintenance-related modifications or repairs were identified and addressed during the report period. A brief summary is presented below:

- In February 2008, new magnetic flow meters were installed for wells CW-8 and CW-9. The previous flow meters were determined to be outside of the calibration range required by the SRBC. Also, new underground power and control wiring was installed to well CW-4. This well pump had been off line since December 2007 when an electrical short developed in the power wiring.

- In May, a subsurface water diversion ditch was installed adjacent to the northeast property boundary area control building. A conduit trench leading away from the NPBA control building had been serving as a preferential pathway for surface water that infiltrates the ground during precipitation events. This water eventually flowed under gravity to the control building where it entered and filled the subsurface sump through cracks and holes in the sump wall. Subsequently, a drainage trench was installed to divert water away from the building and ultimately prevent the sump from filling up and shutting down the system. As part of this scope of work, the holes in the sump wall were repaired.

- A new actuated valve was installed for well CW-15A in May. This setup was installed to allow the flexibility to remotely adjust the flow from this well using the human machine interface (HMI).

- Calibration checks were performed on June 15 for the flow meters and a pressure transducer associated with the groundwater treatment system. These activities resulted in confirming that all flow meters and the pressure transducer were properly calibrated. It was determined that a scaling factor error existed in the HMI for the main Krohne influent meter. This error was causing a discrepancy between the meter totalizer display and data recorded in the Access database. The error was corrected.

- During August, it was determined that new belts were needed for the PTA blower. On August 7, new belts were installed.

- In November, a new actuated valve was brought on line for well CW-5. This setup was installed to allow the flexibility to remotely adjust the flow from this well using the HMI.

- Also in November, work began on the installation of a new lower flammable limit (LFL) meter for the thermal fume oxidizer. This project is expected to be completed during the first half of 2009.

- Calcium carbonate and/or iron fouling (i.e., deposits) on the new groundwater pump station pumps caused operational problems throughout the year. Fouling of the pump impellars caused the pumps to shut down and required that the impellars be cleaned or replaced on several occasions.

- In December, a new motor starter was installed on well CW-6.

- The GAC was removed and replaced in March, June, and October 2008.

- The packed tower is maintained by acid-washing the packing material approximately every three months.

An overall reliability assessment was conducted for the entire GWTS in 2003. That assessment identified and prioritized upgrades/repairs to be implemented. At year end 2008, all applicable upgrades/repairs have been completed.

4.3 Groundwater Withdrawal and Removal

Table 4-1 presents recorded groundwater withdrawal and total VOC removal that has been realized through operation of the GWTS. A system-wide total of approximately 35,471 pounds of VOCs have been removed since the groundwater treatment system began operation in November 1990. On average, prior to start-up of the WPL system in May 1994, approximately 131 gpm of groundwater and 1.2 pounds per day (lbs/day) of total VOCs were being extracted by the system. Since the WPL system became operational, the average groundwater pumping rate from 1995 through December 2008 was approximately 272 gpm with 5.9 lbs/day of total VOCs being removed.

The total amount of groundwater extracted during the period from January 1 through December 31, 2008 was approximately 155 million gallons (an average of 424,000 gallons per day [gpd]; 295 gpm). This extraction rate is the second highest ever reported for the Harley-Davidson groundwater treatment system (157 million in 1998). The 2008 extraction data is approximately 4 percent higher than the previous year (2007) when the average values were approximately 409,000 gpd and 284 gpm. This increase is attributable to the consistent run time for all wells in 2008.

Quarterly PTA influent analyses (shown in Table A-4), along with the measured extraction volumes, are used to calculate the mass of VOCs removed from site groundwater during the reporting period (see Figure 4-1). Using these data, the total estimated mass of VOCs removed from January through December 2008 was 1,560 pounds (130 pounds per month). This mass removal rate is approximately 10 percent lower than the value calculated during the previous reporting period (145 pounds per month). This decrease in mass removal rate can be attributed to an overall lower average influent concentration determined for 2008 (1,205 micrograms per liter [μg/L]) compared to 2007 (1,392 μg/L) even though a higher volume of groundwater was removed in 2008. Estimated pounds per day of total VOCs extracted by the groundwater treatment system for the last five calendar years are shown below:

- 2008 – 4.3 pounds/day
- 2007 – 4.8 pounds/day
- 2006 – 3.6 pounds/day
- 2005 – 4.2 pounds/day
- 2004 – 4.9 pounds/day

From the time that groundwater remediation began in November 1990 until start-up of the WPL extraction system in May 1994, the PTA influent concentrations averaged approximately 750 µg/L of total VOCs. Following start-up of the WPL system, the average total VOC concentration spiked to greater than 10,000 µg/L and then asymptotically decreased to a base level. The average total VOC concentrations detected in the PTA influent samples during the 2008 report period were approximately 1,205 µg/L. The trend in PTA influent total VOC chemistry is illustrated on Figure 4-1. Figure 4-2 shows PTA influent chemistry trends since the start of pumping for PCE, TCA, TCE, and 1,1-DCE.

The PTA effluent was sampled and reported on a quarterly basis in 2008, as required by the NPDES permit. Analytical testing results for the reporting period are presented in Table A-4. The treatment system effluent has maintained non-detectable concentrations of target VOCs during this reporting period.

On an annual basis, Harley-Davidson submits data to the Susquehanna River Basin Commission (SRBC) regarding groundwater usage associated with the groundwater treatment system. Information provided to the SRBC includes weekly groundwater withdrawal totals (i.e., groundwater volumes extracted) from all collection wells and the overall system influent groundwater quality. The most recent submittal to the SRBC occurred in January 2009. Future data submittals to the SRBC will be changed to a quarterly frequency in accordance with a recent request from the SRBC.

5.0 NPBA GROUNDWATER EXTRACTION SYSTEM

Groundwater extraction at the NPBA commenced in November 1990. Nine groundwater extraction wells (CW-1, CW-1A, CW-2, CW-3, CW-4, CW-5, CW-6, CW-7, and CW-7A) pump to the NPBA control building where individual pumping rates are controlled and measured. The groundwater from each well is combined to a common 3-inch-diameter pipe, which transmits the water a distance of approximately 2,300 feet to the groundwater treatment system.

5.1 System Operational Conditions

The majority of the NPBA extraction wells operated continuously during the report period. On occasion, periods of interrupted pumping occurred and were related to various repairs and maintenance of the system. For example, an electrical short was identified during 2007 in the underground power cable for the well pump at CW-4. As a result, this pump did not operate in 2008 until repairs were made in the middle of February 2008.

Table 5-1 presents a record of monthly groundwater withdrawals for each extraction well for this reporting period. During 2008, the NPBA extraction system removed approximately 6.5 million gallons of groundwater at an average rate of approximately 541,000 gallons per month, or 12.3 gpm. This volume is slightly lower than the withdrawal from the NPBA reported for 2007 (12.6 gpm). Figure 5-1 presents a graphical comparison of the 2008 monthly total volumes of groundwater pumped from the NPBA with respect to the other on-site systems. Overall, the NPBA pumped approximately 4.2 percent of the total volume of groundwater withdrawn at the site.

Measured groundwater levels for the current report period are presented in Table A-1. The groundwater contour maps (Figures 3-1 and 3-2) show the effect that the groundwater extraction system imposed on the water table at the NPBA on April 21 and September 2, 2008. Additionally, Table 5-2 summarizes measurements of water levels for extraction wells in the NPBA during 2008. This table also includes design “pump on” and “pump off” water level elevations. The NPBA wells require frequent flow adjustments to maintain a balanced number of pump cycles, which is controlled by the pumping rate of each well. When a flow rate is too low for current conditions, it results in water levels above the “pump on” elevation and a high level alarm.

In 2008, Harley-Davidson measured water levels in the groundwater extraction wells on a monthly basis to help determine if proper groundwater drawdown was being maintained. During the first half of 2008, two to four wells were noted each month to be above the designed drawdown range. For the period June to December, groundwater levels were generally within the proper range. It is believed that the groundwater levels at several of the NPBA wells were consistently above the designed range during the first half of the year due to an improper setting of the well probes. The locations of the NPBA well probes were re-established during the annual pump cleaning process conducted in May 2008. This task is believed to have contributed to the ability to maintain more consistent drawdown levels during the second have of 2008.

The groundwater contours on Figures 3-1 and 3-2 indicate that areas of groundwater depression are present along the northeast property boundary, which confirms that groundwater capture was

occurring in April and September. Note that at the time of the September 21 water level measurement event, three of the NPBA collection wells (CW-1A, CW-7, and CW-7A) were not pumping (or pumping very little) groundwater due to low groundwater levels and/or maintenance issues.

Maintenance

SAIC replaced several groundwater extraction well pumps and acid cleaned the underground conveyance piping during the report period. Check valves, y-strainers, and other components of the groundwater extraction system are maintained on a twice-per-month schedule. The current maintenance program has been sufficient to keep the system operational. A brief summary of several maintenance issues addressed in 2008 is presented below:

- New pump ends were installed at CW-2 in January and May, 2008.
- New pump ends were installed at CW-3 in January, June and October 2008.
- The pump end was replaced at CW-6 in February, April, June, August and October 2008.
- A new pump end was installed at CW-4 in April and October 2008.
- A new pump motor was installed at CW-2 in May 2008.
- The underground groundwater conveyance lines were acid washed in May 2008.
- The pump end was replaced at CW-1 in November 2008.

5.2 Groundwater Chemistry

Two on-site monitoring wells (MW-10 and MW-12) and nine extraction wells (CW-1 through CW-7, CW-1A, and CW-7A) were sampled at the NPBA during the report period to evaluate the effectiveness of the NPBA groundwater remediation system. Additionally, one off-site monitoring well (RW-2) was sampled. RW-2 is located on a residential property that has been confirmed as being supplied with public water since at least 1986. During the 2008 sampling events, this well was observed to have no pump or associated plumbing, which confirmed its status as a monitoring well. The results of laboratory analyses performed on all NPBA monitoring and collection wells are summarized on Tables A-2 and A-3, respectively. Historical chemistry results are included for each monitoring well in Appendix D.

The dominant VOCs found in groundwater beneath the NPBA are TCE and PCE (refer to Table 5-3). Concentrations of TCE in the NPBA extraction wells are shown collectively on Figure 5-2. Concentrations of TCE in these wells have not changed significantly from the 2007 routine sampling events. The highest concentration of TCE reported for sampling performed at the NPBA in 2008 was in extraction well CW-7A (310 µg/L). Since start-up of the NPBA extraction system, a gradual decreasing TCE concentration trend is observed for each NPBA extraction well.

Historical concentration trends of TCE and other dominant VOCs (PCE, TCA, and cis-1,2-dichloroethene [cis-1,2-DCE]) are illustrated for each of the NPBA extraction wells on Figures 5-3 through 5-11. TCE is the primary contaminant in each of the NPBA wells except for CW-3 (1,2-DCE) and CW-6 (PCE). A review of Figures 5-3 through 5-11 indicates that since pumping began, a decreasing concentration trend exists for TCE at all wells except CW-1. The CW-1 TCE concentration exhibits a fluctuating concentration trend. With a few exceptions,

PCE has historically been found near or below the analytical reporting limit in samples from the NPBA extraction wells. The most noted exception is CW-6, where the concentrations of PCE historically (and currently) exceed TCE concentrations.

TCE is the primary VOC detected in two of the three NPBA monitoring wells (excluding MW-10). Concentrations of 1,2-DCE are dominant at the MW-10 monitoring location. The 2008 TCE concentration at MW-10 is the lowest detected value to date (not detected at 25 μg/l) while 1,2-DCE was detected at its highest concentration to date (290 μg/l) at this location. Historical concentrations of TCE in the three NPBA key wells are shown on Figure 5-12.

A review of historical TCE concentrations indicates a generally decreasing concentration trend for the two on-site monitoring wells (MW-10 and MW-12). The TCE concentration in the off-site monitoring well (former residential well RW-2) has remained low and relatively stable during the past 11 years. Prior to bringing the NPBA groundwater extraction system on-line in 1994, concentrations of TCE ranged from 544 to 2,090 μg/L in RW-2. With the exception of one sampling event since 1998 (in 2002), TCE concentrations have been below 5 μg/L in RW-2. A review of historical analytical data for monitoring location RW-2 demonstrates effective capture of groundwater by the NPBA collection wells based on the overall reduction of VOCs at this location. Sampling results for additional off-site locations proximal to the NPBA are discussed in Chapter 11.0 of this report.

Selected metals were analyzed at each of the three NPBA monitoring wells. The five dissolved metals reported herein (total chromium [including Cr^{+3} and Cr^{+6}], hexavalent chromium, nickel, lead and zinc) were either not detected at concentrations above the laboratory reporting limits (RLs), or reported at concentrations slightly above laboratory RLs. The exception to this is zinc, which was detected in the RW-2 sample at concentrations of 32.6 and 54.4 μg/l (September and April, respectively). Concentrations of total and free cyanide were not detected above the laboratory RLs in the three monitoring well samples from the NPBA. Overall, the 2008 analytical results for the three NPBA key wells are generally consistent with previous results.

6.0 TCA TANK AREA GROUNDWATER EXTRACTION SYSTEM

Groundwater extraction was initiated in November 1990 from CW-8, located south of Building 91, to prevent TCA migration and remove VOCs from the groundwater in this area. Groundwater extraction was initiated in February 1995 from CW-16 to contain and remediate groundwater beneath the former degreaser area located inside Building 2, 150 feet east of CW-8. Groundwater from the TCA Tank Area is conveyed a distance of approximately 1,000 feet through a 3-inch-diameter pipe to the groundwater treatment system.

Initially, extraction well CW-8 was pumped at a rate higher than necessary to maintain capture. The early goal was to reverse the direction of migration prior to initiation of groundwater pumping in the WPL, which would have potentially pulled the western edge of the TCA Tank plume further west, dispersing the concentrated source area. Prior to pumping of the WPL, the groundwater treatment plant, which was designed to handle water from the WPL, had excess capacity. Thus, the capacity was utilized to address the TCA Tank plume. When the WPL extraction system came on-line in May 1994, the pumping rate of CW-8 was reduced to a level that maintains capture of the TCA Tank Area plume.

In June 2002, extraction well CW-16 was removed from service. The pump at this well had failed. Because of the difficulty of servicing CW-16 due to its location in a congested manufacturing area and the ability of CW-8 to maintain capture, it was decided to discontinue groundwater extraction from this well.

6.1 System Operational Conditions

With the exception of a 22 day period in the October/November, extraction well CW-8 in the TCA Tank Area operated continuously during the report period. Table 5-1 presents a record of monthly groundwater withdrawals from extraction well CW-8. During 2008, approximately 49 million gallons of groundwater were extracted from the TCA Tank Area, averaging approximately 4.1 million gallons per month (93 gpm). An average of approximately 92 gpm was calculated for the previous report period in 2007.

The groundwater contour maps (Figures 3-1 and 3-2) indicate water level conditions that existed on April 21 and September 2, 2008. In general, the water level at CW-8 was noted to be approximately four to five feet below the elevation measured in nearby wells during both site-wide groundwater level measurement events. Additionally, Table 5-2 summarizes measurements of water levels for the CW-8 extraction well in the TCA Tank Area. The table also lists design "pump on" and "pump off" water level elevations.

During January 2008, the observed water level in CW-8 was below the design drawdown level for this well. The position of in-well control probes was adjusted during maintenance activities conducted in February 2008. The observed water level at CW-8 was generally within the designed range for the remainder of 2008.

Based on the monthly total flow data, the CW-8 daily extraction rate averaged approximately 134,000 gpd. This value equates to a monthly average of 4.1 million gallons, which represents a 2 percent increase from 2007 (4.0 million gallons per month). This well is consistently operated

at its maximum capacity; therefore, an increase in groundwater recharge (as realized in 2008) does not necessarily explain the annual increase in groundwater extraction. The apparent increase in extraction volume is likely due to the fact that this well was equipped with a new flow meter in February 2008 and that the 2007 pumped volume may have been under reported. Overall, CW-8 pumped approximately 32 percent of the total volume of groundwater withdrawn at the site in 2008.

Maintenance

One significant maintenance activity was performed in 2008 with respect to well CW-8. A new magnetic flow meter was installed in February 2008.

6.2 Groundwater Chemistry

This area is the site of a past TCA spill, which resulted in initially high concentrations of TCA. Groundwater extraction and treatment were initiated at CW-8 in November 1990. This remedial effort resulted in a rapid decrease in TCA concentrations near the release (see Figure 6-1 for rate of change), with adjacent monitoring wells exhibiting relatively flat concentration trends (Figure 6-2). The cone of groundwater depression resulting from the active extraction well resulted in intercepting an existing TCE (and PCE) source from an unknown location(s) around January 1994. As a result of continued groundwater extraction, TCE is now the dominant VOC in groundwater beneath this area (refer to Table 6-1).

Six key monitoring wells (MW-32S&D, MW-34S&D, MW-35D, and MW-54) and extraction well CW-8 were sampled at the TCA Tank Area during the reporting period to monitor the effectiveness of the groundwater remediation system. The results of laboratory analyses for these monitoring and extraction wells are presented on Tables A-2 and A-3, respectively. A summary of historical chemistry results for each monitoring well is included in Appendix D.

A review of analytical data confirms that the dominant VOC present at CW-8 has shifted from TCA to TCE. In 1990, TCA accounted for 80 to 85 percent of the total VOC concentration at this well. In 2008, TCA was not detected above laboratory reporting limits in CW-8 while TCE accounted for approximately 71 percent of the total VOC concentration in well CW-8.

As noted above, TCE is now the dominant VOC in this area. A review of Figure 6-3 indicates that TCE concentrations show a generally declining trend in extraction well CW-8 since December 1994. Figure 6-4 shows the concentration trends for TCE with respect to other dominant VOCs in extraction well CW-8 since the start of pumping. Concentrations of VOCs in CW-8 indicate generally decreasing concentration trends over the past 14 years. The September 2008 TCE concentration (230 μg/l) represents the lowest TCE detection since December 1993.

The TCA Tank Area key monitoring wells exhibit fluctuating TCE concentration trends (see Figure 6-5). A review of the analytical data for the monitoring wells indicates the following noteworthy items:

- In 2007, groundwater sampled from wells CW-8, MW-34S, MW-34D, and MW-35D showed similar VOC concentration ratios. This situation suggested that groundwater

contamination at these locations could have originated from the same source area. In 2008, a review of laboratory data presented on Table 6-1 indicates that all monitoring wells (with the exception of MW-32S) now show similar concentration ratios.

- Over the past four years (since 2005), TCE concentrations have exhibited a generally increasing concentration trend for four of the six monitoring wells (excluding MW-34S and MW-35D). The TCE concentrations at MW-34S and MW-35D have remained relatively stable during this same time period. In 2008, TCE concentrations ranged from a low of 16 μg/L (at MW-34S) to a high of 970 μg/L (at MW-32D).

Dissolved metals identified as chemicals of concern (COCs) were analyzed in 2008 at each of the six monitoring locations near the TCA area. The five dissolved metals analyses reported herein are total chromium [including Cr^{+3} and Cr^{+6}], hexavalent chromium, nickel, lead and zinc. All detections of these metals were either reported below laboratory reporting limits (RLs) or below regulatory limits. Additionally, concentrations of total and free cyanide were not detected above the laboratory RLs in the six monitoring well samples from the TCA tank area.

In summary, a review of groundwater quality data from six monitoring wells shows fluctuating trends, with slight increases noted for TCE over the past four years in four wells. Data for active groundwater extraction well CW-8 indicate generally decreasing concentrations of VOCs in groundwater beneath the TCA Tank Area since December 1994. Finally, groundwater quality data from the TCA Tank Area indicate that TCE continues to be the dominant VOC present in the groundwater of this area.

7.0 WEST PARKING LOT GROUNDWATER EXTRACTION SYSTEM

Three groundwater extraction wells (CW-9, CW-13, and CW-17) operate in the WPL Area of the Harley-Davidson property. One additional extraction well (CW-15A) is located near the exterior northwest corner of NB4. These four wells are referred to as the WPL wells. The purpose of the WPL groundwater extraction system is to prevent off-site migration of groundwater containing dissolved VOCs and to control the migration of VOCs in a plume located near the northwest corner of Building 4. Extracted groundwater from the WPL wells is conducted via underground piping to the groundwater treatment system in Building 41. The wells are individually piped to the groundwater treatment plant so that flow control, flow measurements, and water samples may be obtained for each well at this central location. Water is piped the following distances from the wells to the treatment plant: CW-9 (1,320 feet), CW-13 (890 feet), CW-15A (310 feet), CW-17 (590 feet).

Extraction wells CW-9, CW-13, and CW-15A began operation in May 1994, and CW-17 began operating in September 1995. Well CW-17 was a replacement extraction well for CW-14, which was discontinued due to excessive sediment buildup in the well.

7.1 System Operational Conditions

Approximately 98.5 million gallons of groundwater were extracted from the WPL Area during 2008 (see Table 5-1), averaging approximately 8.2 million gallons per month (187 gpm). This groundwater extraction rate represents a 5.3 percent increase from 2007 when the extraction rate was approximately 178 gpm. This increase is most likely due to an increase in groundwater recharge in 2008 compared to 2007 (refer to Tables 3-1 and 3-2). A graphical comparison of the WPL groundwater extraction volumes to the other site extraction systems is presented on Figure 5-1. Overall, the WPL wells pumped approximately 63.5 percent of the total volume of groundwater withdrawn at the site.

The groundwater contour maps (Figures 3-1 and 3-2) show the effect of the groundwater extraction system imposed on the water table at the WPL Area on April 21 and September 2, 2008. Groundwater contours indicate a general area of groundwater surface depression surrounding the WPL Area. A review of Figures 3-4 through 3-6 (and 3-9 through 3-11) indicates that the capture zone includes the entire WPL.

Table 5-2 summarizes measurements of water levels for the WPL extraction wells. The table also lists design “pump on” and “pump off” water level elevations. A review of Table 5-2 indicates that during 2008, the water levels in three of the four WPL wells (excluding CW-13) were generally close to the designed range. The water level at well CW-13 was consistently above the designed range for the first 9 months of 2008. Part of the issue with the water level at CW-13 was due to a blown fuse which prevented the high level probe signal from registering on the HMI. The fuse was replaced in March 2008. This situation will be monitored during 2009 to verify that this well is maintaining effective groundwater capture.

Maintenance

The WPL wells operated as designed throughout the report period with short interruptions for maintenance and repairs. The current maintenance program has maintained reliable operation of extraction wells CW-9, CW-13, CW-15A, and CW-17. A brief summary of several noteworthy maintenance issues addressed in 2008 is presented below:

- In February 2008, a new magnetic flow meter was installed for well CW-9. The previous flow meter was determined to be outside of the calibration range required by the SRBC.
- The water level at well CW-13 was consistently above the designed range for the first 9 months of 2008. Part of the issue with the water level at CW-13 was due to a blown fuse which prevented the high level probe signal from registering on the HMI. The fuse was replaced in March 2008.
- The pump end at well CW-15A was replaced in August 2008.

7.2 Groundwater Chemistry

A total of 19 key monitoring wells were sampled in the WPL during at least one sampling event in 2008. These wells included MW-5, MW-6, MW-7, MW-37S, MW-37D, MW-38D, MW-39S, MW-39D, MW-47, MW-50S, MW-50D, MW-51S, MW-51D, MW-74S, MW-74D, MW-75S, MW-75D, MW-93S, and MW-93D. Additionally, four extraction wells (CW-9, CW-13, CW-15A, and CW-17) were sampled in the WPL Area during the report period. The results of laboratory analyses are summarized on Tables A-2 and A-3. A summary of historical chemistry results for each well is included in Appendix D.

TCE has historically been the dominant VOC recovered by three of the four extraction wells in this area (excluding CW-9). Since 2004, analytical data indicate that only CW-17 continues to have TCE as its dominant VOC (refer to Table 7-1). PCE is the dominant VOC detected in groundwater extracted from CW-9, while DCE is the dominant VOC at CW-13 and CW-15A. TCE concentrations in the WPL collection wells are graphed on Figure 7-1. Additionally, concentrations of TCE with respect to other dominant VOCs in the WPL extraction wells are graphed on Figures 7-2 through 7-5.

Since start-up of the WPL extraction system, an initial increase, followed by a generally decreasing TCE concentration trend, is observed for each of the extraction wells. Concentrations of total VOCs in the extraction wells exhibit a flat or decreasing concentration trend over the last 13 years, with the following exception:

- VOC concentrations have generally decreased in extraction well CW-9 since 1995, with the exception of four spikes in PCE concentration. The last spike occurred during the December 2007 sampling event. Both TCE and PCE exhibited their highest concentration in December 2007 since the second of the four concentration spikes (December 2000). The 2008 TCE and PCE concentrations for CW-9 show a return to the overall decreasing concentration trend.

The dominant VOCs detected in the WPL monitoring wells are TCE (at MW-7, MW-38D, MW-39S, MW-39D, MW-47, MW-50S, MW-50D, MW-51D, MW-74S, MW-74D and MW-

93D) and PCE (at MW-37S, MW-37D, MW-51S, MW-75S, MW-75D and MW-93S). Historically, PCE is more prevalent in the southwest corner of the WPL while TCE is more prevalent throughout the remainder of the WPL. Concentrations of the most prevalent VOC in this area (TCE) are graphed for the WPL key monitoring wells on Figure 7-6, Figure 7-7, and Figure 7-8. Additionally, concentrations of PCE in the southern WPL area monitoring wells are graphed on Figure 7-9. Most of the WPL monitoring wells exhibit a relatively flat or gradual decreasing TCE concentration trend. The exceptions are as follows:

- MW-50D - The TCE concentrations at this well historically show an increase from the start of sampling until June 2004. Since this time, TCE concentrations do demonstrate a generally decreasing trend.
- MW-75D - The TCE (and PCE) concentration spiked at this location between 2004 and 2006. The 2007 and 2008 data show a return to typical levels for both TCE and PCE.

Noteworthy observations for the WPL sampling locations identified during the 2008 sampling events are:

- Since the initial sampling event at well MW-75S (September 1999), TCE and PCE concentrations have remained relatively consistent at the 5 to 35 parts per million (ppm) range (refer to Figures 7-8 and 7-9). During this same time period, TCE and PCE concentrations at well MW-75D showed an increasing trend until 2006. Concentrations of TCE and PCE at MW-75D have decreased over the past two years by at least 57 percent.

- Based on a review of the May 2008 analytical data for well MW-75D, PCE is the most prevalent VOC at this location. Historically (until 2006), PCE had comprised approximately 60 to 70 percent of the total VOC concentration. During the June 2007 event, TCE was reported as the most prevalent VOC at this location. PCE concentrations remained steady between 2007 and 2008 (1,300 μg/L to 1,500 μg/L), while TCE concentrations declined by approximately 84 percent (from 3,800 μg/L to 620 μg/L).

- Well MW-50D represents an area of concentrated VOCs at the site. TCE is the most prevalent VOC at this location. Following installation of this well in 1991, TCE was detected at a concentration of 1,900 μg/L. TCE was detected at similar levels in 2000 (1,450 μg/L), but this well was not sampled again until June 2004. The June 2004 sampling event displayed a significant increase in TCE (to 18,000 μg/L) in the deep groundwater at the MW-50D sampling location. Concentrations of TCE in the shallow groundwater at this monitoring location (at MW-50S) did not show similar magnitude changes (250 μg/L in 2000 to 520 μg/L in 2004). This information suggests that a plume of high concentration VOCs has been drawn from the NB4 area (the closest known source area), through the deeper portion of the bedrock aquifer (MW-50D which is screened from 160 to 170 feet below grade), and toward groundwater extraction well CW-17. The VOC plume does not appear to be impacting the shallower portion of the bedrock aquifer at MW-50S (screened from 110 to 120 feet below grade). The 2008 TCE detection at MW-50D (8,200 μg/L) indicates that the TCE concentrations have begun to

decrease since the maximum historical detection was reported (18,000 µg/L) in June 2004.

- The three highest site-wide detections for dissolved chromium were reported in northern WPL wells (MW-7, MW-47, and MW-51S). Concentrations of dissolved chromium at these locations ranged from 0.0513 mg/L (MW-7 in May) to 2.31 mg/L (MW-47 in October). The EPA's maximum contaminant level (MCL) for chromium in drinking water is 0.1 mg/L. Two of the three WPL locations showing elevated dissolved chromium detections contained chromium at concentrations above the MCL.

- Concentrations of hexavalent chromium were only reported above the laboratory RLs at the same three northern WPL wells noted above (MW-7, MW-47, and MW-51S). The hexavalent chromium concentrations varied between 0.062 mg/L (MW-7) and 0.45 mg/L (MW-47). The EPA does not currently have a drinking water MCL for hexavalent chromium, except as total chromium (0.1 mg/L).

8.0 SOFTAIL DEWATERING SYSTEM

Harley-Davidson started excavation activities for the Softail production plant in 2001. This facility was constructed in the eastern portion of the site, in the vicinity of the former test track. Due to the potential for shallow VOC-impacted groundwater to discharge to the surface and to the lowest floor of the facility, a permanent groundwater collection system was designed as part of the project. The permanent groundwater collection system for the Softail site consists of a shallow interceptor trench (or toe drain), a deep interceptor trench and drain, and a capture well (CW-19). All three components of the groundwater collection system are designed to direct flow to a pumping station. From the pumping station, the groundwater is transported via underground piping to the groundwater treatment facility located in Building 41 (see Figure 1-2).

Groundwater collection via this system was initiated in March 2002. During 2008, this system collected over 1,065,000 gallons of groundwater (refer to Table 5-1). This groundwater recovery rate represents a 45 percent increase from 2008 when the annual recovery rate was 735,000. This increase is most likely due to an increase in groundwater recharge in 2008 compared to 2007 (refer to Tables 3-1 and 3-2). A graphical comparison of the WPL groundwater extraction volumes to the other site extraction systems is presented on Figure 5-1. Overall, the Softail dewatering system recovered approximately 0.7 percent of the total volume of groundwater withdrawn at the site.

8.1 Toe Drain System

The northeast corner of the Softail site was identified as the area with the most potential for groundwater to discharge to the surface after final grading. To prevent the potential for human contact with the groundwater, a toe drain was installed at the bottom of the slope cut. This was designed to collect groundwater from this area, thus lowering the groundwater levels and minimizing surface discharges downgradient of the toe drain. The toe drain was constructed as a shallow trench drain filled with gravel and four-inch perforated polyvinyl chloride (PVC) piping. The toe drain trench was lined with geotextile fabric to minimize sedimentation of the piping. An impermeable layer was placed on top of the trench to reduce infiltration of surface water into the drain. The toe drain was connected to the permanent groundwater collection system.

8.2 Deep Trench Drain

The deep trench drain was installed along the eastern perimeter of the building due to the high probability of groundwater levels encountering the lower floor of the facility. The deep trench drain is sloped to gravity drain to the lift station. The depth varies from 22 feet to 26 feet. Four clean-outs were installed along the 760-foot length of piping. The deep trench drain was constructed of perforated PVC piping in a trench filled with coarse gravel. Prior to installation of the piping and drainage course, the trench was lined with a geotextile fabric to minimize sediment mixing with the gravel.

8.3 Capture Well (CW-19)

A capture well (CW-19) and force main were installed in the paint sludge pit area of the Softail plant. The paint sludge pit area consists of a 27-foot-deep pit used to house the paint sludge

holding tank. CW-19 was installed seven feet deeper than the pit so that the well could be programmed to begin pumping prior to the groundwater level reaching the elevation of the bottom of the pit. The force main was installed to transfer groundwater captured in the well to the lift station. The force main was installed with a slope toward the lift station so that groundwater does not remain in the line after the well pump stops running.

8.4 Lift Station

The lift station is located north of the Softail building. The lift station conveys groundwater to the groundwater treatment plant in Building 41. The lift station controls are automated, and pump operation can be controlled remotely.

8.5 Groundwater Chemistry

Sampling of groundwater collected by the lift station was initially performed in June 2003 in response to a reporting requirement for the SRBC. Groundwater samples were collected from the lift station in May 2008 for the analysis of VOCs. One sample was collected from the toe drain system and a second sample was collected from the deep drain system using grab methods.

A review of the May 2008 lift station sampling results indicated that only one VOC (TCE) was detected at concentrations above laboratory RLs. The reported concentrations ranged from 1.2 μg/l in the deep drain sample to 3.1 μg/l in the toe drain sample. The analytical results from May 2008 are included on Table A-3. VOC analysis of groundwater collected by the lift station is scheduled to occur twice (in June and December) during 2009.

9.0 SOUTHERN PROPERTY BOUNDARY AREA WELL MONITORING

Six key monitoring wells (MW-40S&D, MW-43S&D, and MW-64S&D) were sampled in April/May and September 2008 near the Southern Property Boundary Area (SPBA). The dominant VOC detected in groundwater beneath this area is TCE, followed by lesser concentrations of PCE. The analytical results for the 2008 sampling events are summarized on Table A-2. A summary of historical chemistry results for each well is included in Appendix D.

Concentrations of TCE, the most prevalent VOC in this area, are graphed for the six key monitoring wells on Figure 9-1. This illustration shows the relative concentrations of TCE since 1990 in the six regularly sampled key wells at the SPBA. The highest concentrations of TCE in this area continue to be observed at MW-64D (located in the southeast corner of the property). A review of concentration trends since 1990 indicates that TCE concentrations are decreasing at three locations (MW-43D, MW-64S, and MW-64D) where concentrations are highest. Sampling data for the remaining three wells (MW-40D, MW-40S, and MW-43S) indicate consistently low (or non-detectable) levels of TCE.

Dissolved metals identified as chemicals of concern (COCs) were analyzed in 2008 at each of the six monitoring locations near the SPBA area. The five dissolved metals analyses reported herein are total chromium [including Cr^{+3} and Cr^{+6}], hexavalent chromium, nickel, lead and zinc. All detections of these metals were either reported below laboratory reporting limits or they were below regulatory limits. Additionally, concentrations of total and free cyanide were not detected above the laboratory RLs in the six monitoring well samples from the SPBA area.

10.0 EASTERN AREA WELL MONITORING

As part of the April/May and September 2008 groundwater sampling events, four key monitoring wells (MW-2, MW-17, MW-91, and MW-92) were sampled to monitor groundwater quality near the eastern portion of the Harley-Davidson property. The analytical results from sampling performed in 2008 are summarized on Table A-2. A summary of historical chemistry results for each well is included in Appendix D.

PCE is the dominant VOC detected in groundwater from wells MW-2, MW-91, and MW-92. TCE is the dominant VOC detected in groundwater sampled from the remaining well (MW-17). The historical concentrations of PCE and TCE in the four key monitoring wells are graphed and included as Figures 10-1 and 10-2, respectively. A summary of the data trends observed for the eastern area is presented below:

- MW-2 is located next to a former cyanide disposal area near the eastern site property boundary. PCE and TCE were the only VOCs detected at this location in 2008, with PCE being the most dominant VOC. A review of Figures 10-1 and 10-2 indicates that both TCE and PCE concentrations exhibit a generally decreasing trend since monitoring began in 1986.

- Monitoring well MW-17 is located in the east-central portion of the site, downgradient and west of the landfill. The only VOCs detected in the 2008 samples from this location are TCE (33 and 40 μg/L) and chloroform (1.3 and 1.0 μg/L). TCE concentrations have exhibited a gradual decreasing concentration trend since it was initially detected at a maximum concentration of 254 μg/L in 1987.

- Both monitoring wells MW-91 and MW-92 were sampled for the tenth time in 2008. The 2008 TCE concentrations reported for both wells (22 μg/L and 21 μg/L, respectively) are part of a decreasing concentration trend since sampling began in 2000. The 2008 PCE concentrations reported for both wells (210 μg/L and 140 μg/L, respectively) are part of a fluctuating concentration trend that exhibits concentrations in 2008 that are similar to levels reported when sampling began in 2000.

- Each of the four key well sampling locations in the Eastern area were analyzed for concentrations of total and free cyanide. Three locations (MW-2, MW-91, and MW-92) contained detections of cyanide at levels above the laboratory RLs. Only groundwater from one location (MW-2) contained detectable concentrations of free cyanide (reported concentration of 0.1 mg/l). The MW-2 free cyanide detection does not exceed the free cyanide MCL value (0.2 mg/L). The reported concentrations of total cyanide ranged from 0.013 mg/L (MW-91) to 1.3 mg/L (MW-2). The EPA does not currently have an MCL for total cyanide.

Data trends observed for the 2008 annual key monitoring well sampling locations at the Eastern Property Boundary Area (EPBA) generally indicate decreasing VOC concentration trends.

11.0 OFF-SITE GROUNDWATER QUALITY MONITORING

During 2008, Harley-Davidson performed annual groundwater quality monitoring at three off-site locations. The purpose of these activities was to evaluate if dissolved constituents detected in groundwater at the Harley-Davidson site are present off-site at these locations. The active groundwater remediation system at the NPBA is designed to prevent the off-site migration of dissolved constituents at these locations.

11.1 Quarterly Off-site Groundwater Monitoring

A quarterly groundwater quality monitoring program for three off-site locations adjacent to and downgradient of the Harley-Davidson property was initiated in April 1988. The three off-site locations that were sampled quarterly are:

- RW-4 - Folk residence.
- S-6 - Tate spring.
- S-7 - Herman spring.

Groundwater sampling locations RW-4, S-6, and S-7 are located to the north of the Harley-Davidson property as shown on Figure 1-2. A complete description of baseline sampling of residential wells is contained in the R.E. Wright Environmental, Inc. report, titled "Report of Investigations in the NPBA, TCA tank, and containment areas of the Harley-Davidson, Inc. York facility," dated August 1988. These off-site samples were analyzed for VOCs and free and total cyanide. The off-site well sampling results are summarized in Table A-5.

Prior to the third quarter 2007 sampling event, a change in sampling frequency was initiated for the off-site monitoring locations. Since 1988, Harley-Davidson had sampled and analyzed the 3 locations more than 70 times. To date, no-site related constituents had been detected in the samples above the laboratory method detection limit as established by EPA procedures. Therefore, the sampling frequency of these locations was modified to an annual program (every June).

As a result of implementing the supplemental RI work plan in 2008, sampling of one or more off-site wells occurred in May and September during this report period. Three groundwater/surface water locations (designated "RW" for a residential well and "S" for a spring sample) were sampled during the May event. One well (RW-4) was sampled a second time during the September 2008 event. Finally, one additional off-site monitoring well (RW-2) was sampled during both the April and September events as part of the key well monitoring (refer to Section 5.2 for sampling results). Note that the property on which RW-2 is located is connected to a public water supply. Therefore, the water in this well is not used for consumptive purposes.

Concentrations of TCE, the most prevalent VOC at the NPBA, are graphed for the off-site monitoring locations and included as Figure 11-1. A summary of the sampling results from the off-site locations is provided below. It should be noted that the winter 2004 edition of the Drinking Water Standards and Health Advisories published by the EPA indicates that the MCL for chloroform has been lowered from 100 μg/L to 80 μg/L. This value is currently under review but is used herein to make a conservative comparison.

- VOCs, total cyanide, and free cyanide concentrations were all below the laboratory reporting limits during the two sampling events conducted in 2008 at the Folk residence (RW-4).

- VOCs, total cyanide, and free cyanide concentrations were all below the laboratory reporting limits during the May 2008 sampling event conducted at the Tate spring (S-6).

- VOCs, total cyanide, and free cyanide concentrations were all below the laboratory reporting limits during the May 2008 sampling event conducted at the Hermann spring (S-7).

11.2 Additional Off-site Groundwater Monitoring

In 2008, Harley-Davidson monitored one additional residential well (RW-5). This well is owned by the Jack Giambolvo Company and is located south of the Harley-Davidson property across Route 30 (refer to Figure 1-2). Groundwater from well RW-5 was sampled in April and September 2008 as part of the key monitoring well sampling event. The analytical results for this well are summarized on Table A-2.

Off-site monitoring well RW-5 contained only low levels of one VOC (TCE) during the two sampling events. The reported TCE concentration during both 2008 events was 2 µg/l. Historically, this well was sampled on a quarterly basis from August 1987 to July 1999. During this time, TCE concentrations had increased to a maximum concentration of 57 µg/L in June 1995. The off-site facility served by this well was connected to public water in January 1999, and quarterly sampling of this well was discontinued. Annual sampling of RW-5 was resumed in June 2006. Since this time, VOCs have not been detected above drinking water standards.

12.0 ADDITIONAL SITE-WIDE GROUNDWATER CHEMISTRY

Eight additional key monitoring wells not previously discussed in this report were sampled during the two supplemental RI sampling events conducted in 2008. The goal of sampling these wells was to monitor groundwater quality across the Harley-Davidson site. One well (MW-82) is located along the property line in the north-central portion of the facility, and one well (MW-85) is located along the property line in the south-central portion of the facility. The six remaining wells (MW-69, MW-79, MW-81S, MW-81D, MW-87, and MW-88) monitor groundwater beneath the central portion of the facility. A summary of the analytical results from groundwater sampled at these locations is presented on Table A-2.

Noteworthy items from the sampling of these wells are:

- For sites where TCE or PCE is a contaminant of concern, increasing concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) are an indicator that anaerobic degradation in groundwater is occurring. The typical transformation pathway for chlorinated solvents is from PCE to TCE to cis-1,2-DCE to vinyl chloride. As a preliminary screening method, a review of current and historical groundwater quality data was performed for the eight additional on-site monitoring locations. Seven of the eight additional on-site monitoring wells (excluding MW-82) exhibit either elevated levels of cis-1,2-DCE or increasing levels of cis-1,2-DCE. This situation suggests that anaerobic reduction may be occurring. Additional data trends are presented below by well.

- Well MW-69 monitors deep groundwater quality between the former firing ranges and is located approximately 400 feet north of Building 3. TCE and cis-1,2-DCE are the only VOCs detected above laboratory reporting limits at this location in 2008. TCE was the predominant VOC at this location between 1999 (when sampling began) and 2006. However, data from two of the past three sampling events indicate that cis-1,2-DCE concentrations are now more dominant than TCE.

- Well MW-82 monitors deep groundwater quality along the north-central property line just north of the contractors' parking area. Three parameters were detected above laboratory reporting limits during the 2008 sampling events (cis-1,2-DCE, TCE and PCE). TCE had been reported at a maximum concentration of 107 μg/l in 2001. The 2008 sampling results indicate that TCE concentrations have declined to a range between 33 and 39 μg/l. Over this same time period, cis-1,2-DCE concentrations have shown a similar decreasing trend (from 135 μg/l in 2001 to an average of 37.5 μg/l in 2008).

- Well MW-85 monitors deep groundwater quality along the south-central property line along Route 30. The only VOC detected at a concentration above the laboratory RLs at this location in 2008 was cis-1,2-DCE. Data from each of the past five sampling events indicate that cis-1,2-DCE concentrations are now more dominant than TCE. 2008 marks the first time that TCE has not been detected at this location since sampling began in 2000.

- Well MW-87 monitors groundwater quality in the overburden near the southeast corner of Building 2. Concentrations of cis-1,2-DCE and TCE make up the majority of the VOC detections at this location. Since sampling of this location began in 1999, TCE concentrations have generally decreased from 2,300 to 1,600 μg/L. During this same time period, concentrations of cis-1,2-DCE have remained relatively stable (in the 740 to 1,100 μg/L range).

- Well MW-79 monitors groundwater quality in the overburden at a location downgradient of the former Building 2 drum storage area. The only parameters detected above laboratory reporting limits during the past four sampling events (dating back to June 2005) are 1,1-dichloroethane, TCE, and cis/trans-1,2-DCE. The total VOC concentrations at this sampling location have historically been low, ranging from approximately 21 μg/L in 2,000 to 50 μg/L in 2008.

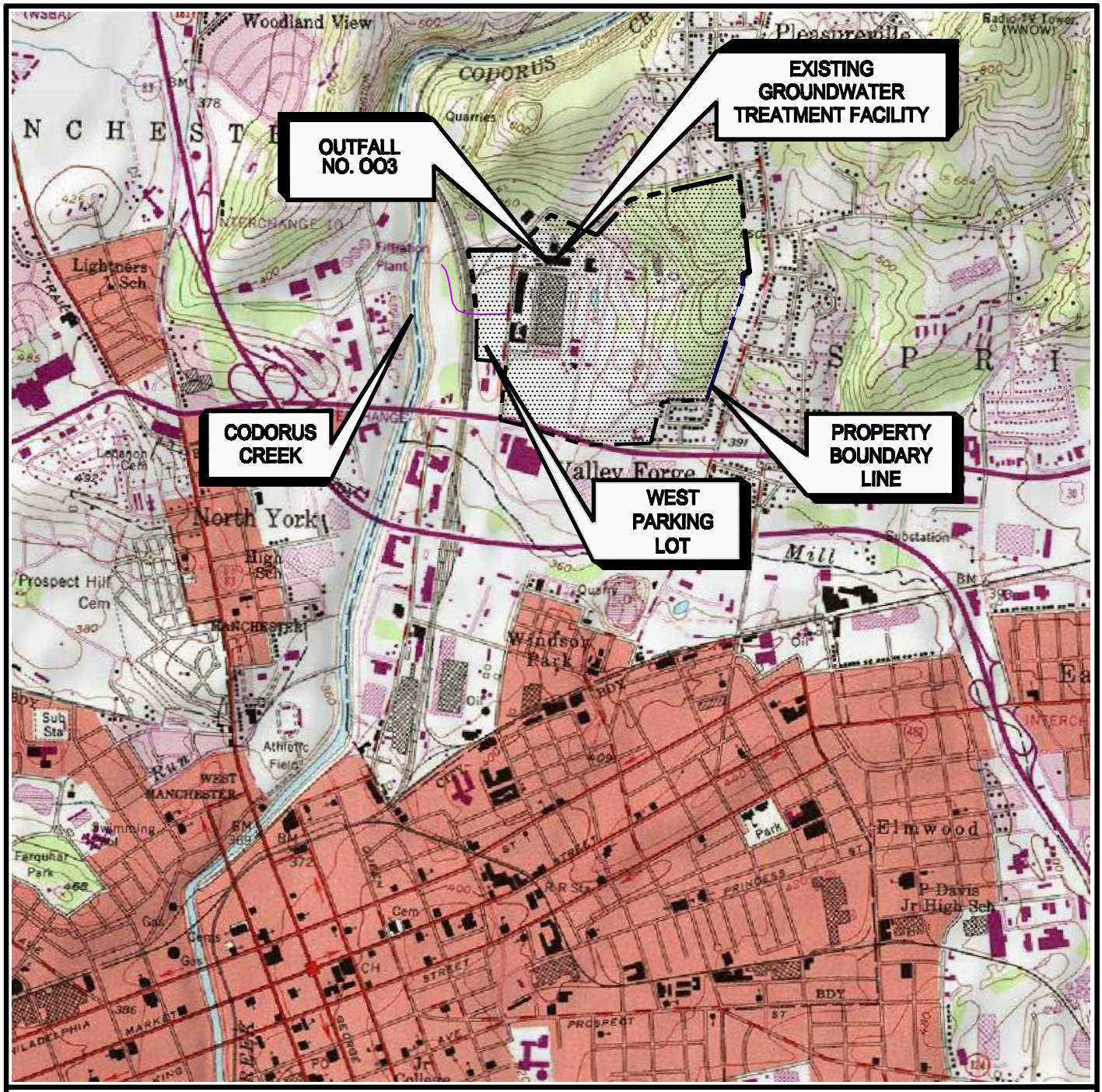
- Well cluster MW-81S and MW-81D monitors the shallow and deep groundwater quality near the paint shop (Building 91). Concentrations of cis-1,2-DCE, PCE and TCE make up all of the confirmed VOC detections in groundwater sampled from these wells. In 2007, the total VOC concentrations in the shallow aquifer (4,100 μg/L) were approximately one order of magnitude greater than concentrations in the deep aquifer (387 μg/L). However, in 2008 TCE and cis-1,2-DCE concentrations increased in the MW-81D sampling location, such that the deeper monitoring point has VOC concentrations at 35 to 40 percent of the shallow well. TCE has consistently been the dominant VOC detected at both locations since sampling began in 1999.

- Well MW-88 monitors deep groundwater quality along the southern end of Building 2. TCE and cis-1,2-DCE are the only VOCs detected above laboratory reporting limits at this location in 2008. Since sampling of this location began in 2000, TCE concentrations have exhibited a fluctuating trend. The concentrations of cis-1,2-DCE reported for sampling conducted in 2008 are the highest concentrations reported since sampling began in 2000 (91 and 98 μg/l).

- Dissolved metals identified as chemicals of concern (COCs) were analyzed in 2008 at each of the eight additional site-wide monitoring locations. The five dissolved metal analyses reported herein are total chromium [including Cr^{+3} and Cr^{+6}], hexavalent chromium, nickel, lead and zinc. All detections of these metals were either reported below laboratory reporting limits or they were below regulatory limits.

- Concentrations of total and free cyanide were not detected above the laboratory RLs in seven of the eight additional site-wide monitoring well samples (excluding well MW-79). Total cyanide was reported at a concentration of 3.2 mg/l in the September 2008 sample analyzed from MW-79. This value represents the highest cyanide detection in all key monitoring wells that were sampled during the September sampling event. The EPA does not currently have an MCL for allowable levels of total cyanide but does have an MCL value for free cyanide of 0.2 mg/L. Both free cyanide detections reported for this location in 2008 (0.0026 and 0.0034 mg/l) are below the MCL.

FIGURES



NOTE: BASE MAP FROM THE YORK PA., USGS 7 1/2 MIN TOPOGRAPHIC QUADRANGLE (PR 1990).

2000' 0 2000'

SCALE IN FEET

N

PENNSYLVANIA

QUADRANGLE LOCATION

FORMER YORK NAVAL ORDNANCE PLANT

1425 EDEN ROAD, YORK PA 17402

SITE LOCATION MAP

drawn RAM	checked SLM	approved SMS	figure no.
date 03/27/03	date 03/03/04	date 03/03/04	1-1
job no. 01-1633-00-0822-100		file no. 0822-002.dwg	

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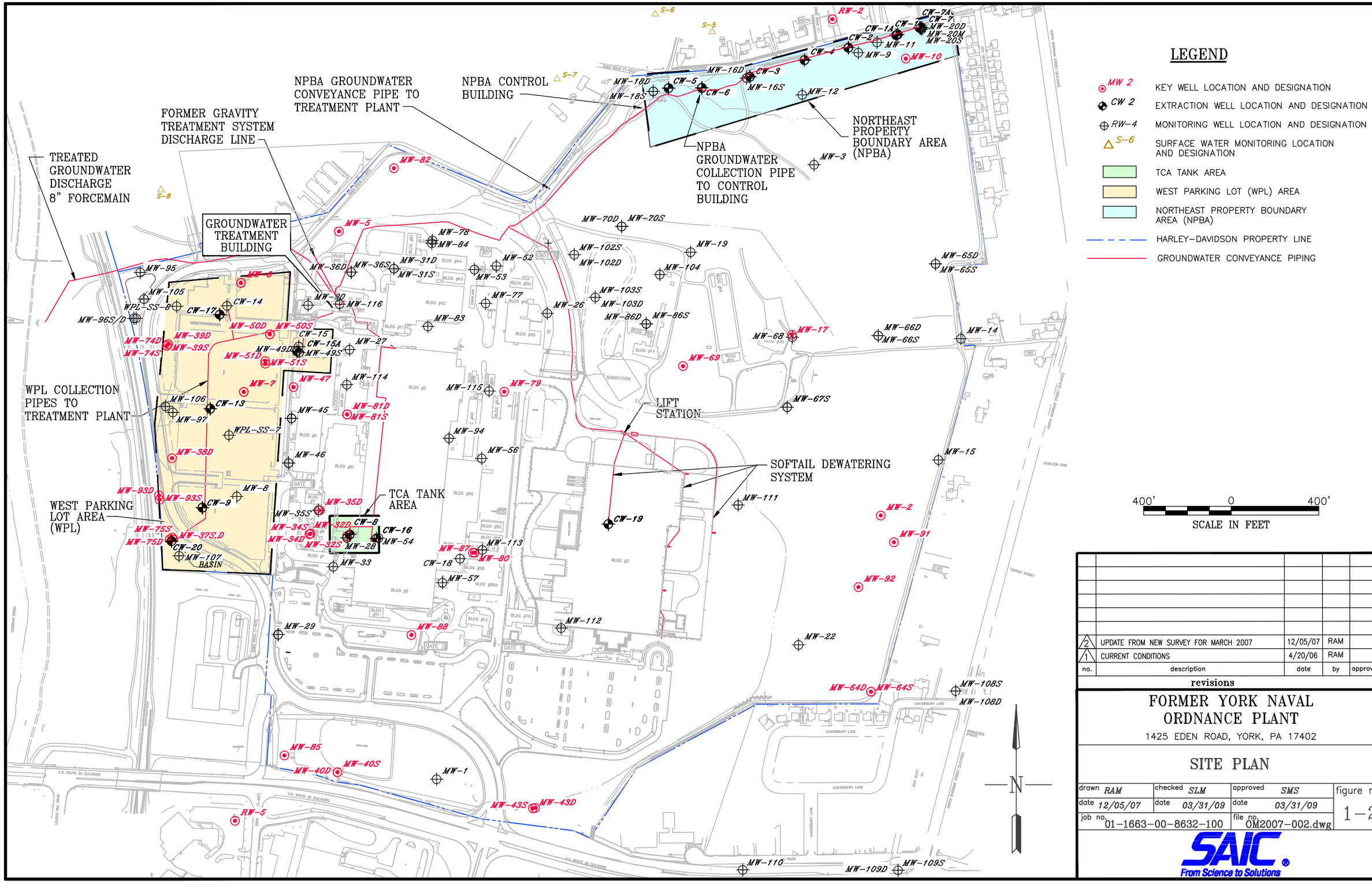


no.	description	date	by	approved
2	UPDATE FROM NEW SURVEY FOR MARCH 2007	12/05/07	RAM	
1	CURRENT CONDITIONS	4/20/06	RAM	

revisions

FORMER YORK NAVAL ORDNANCE PLANT

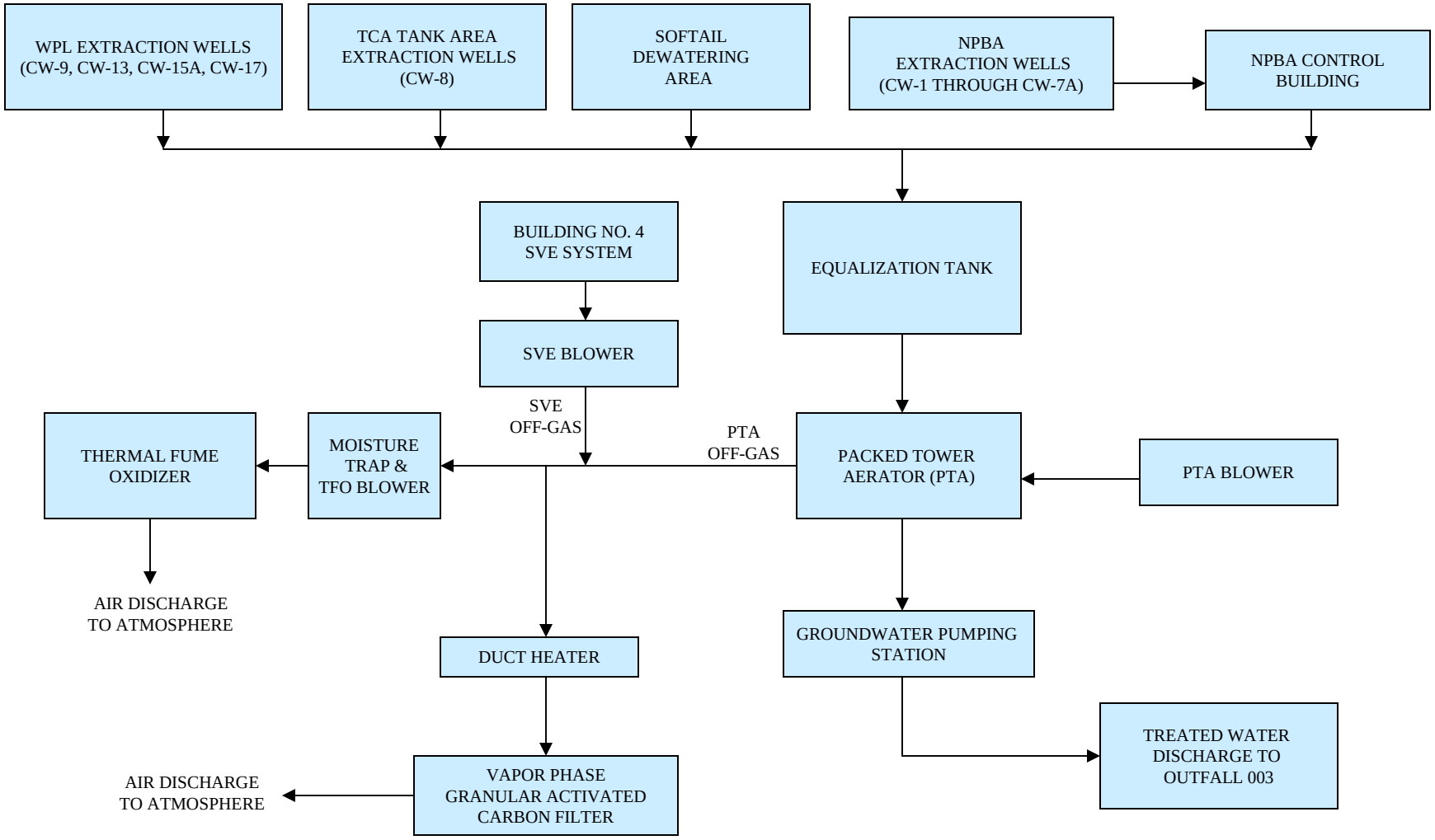
1425 EDEN ROAD, YORK, PA 17402

SITE PLAN

drawn RAM	checked SLM	approved SMS	figure no. 1-2
date 12/05/07	date 03/31/09	date 03/31/09	
job no. 01-1663-00-8632-100		file no. OM2007-002.dwg	

SAIC From Science to Solutions

FIGURE 1-3
GROUNDWATER AND SVE TREATMENT SYSTEM FLOW DIAGRAM
Former York Naval Ordnance Plant



Well ID	4/21/08 Daily Flow (Gallons)	Average Daily Pumping Rate (GPM)
CW-1	3,122	2.2
CW-1A	195	0.1
CW-2	432	0.3
CW-3	3,783	2.6
CW-4	3,218	2.2
CW-5	3,437	2.4
CW-6	4,201	2.9
CW-7	39	0.0
CW-7A	1,186	0.8
CW-8	148,000	102.8
CW-9	117,075	81.3
CW-13	74,440	51.7
CW-14	--	--
CW-15A	4,404	3.1
CW-16	--	--
CW-17	94,831	65.9
CW-18	--	--
CW-19	--	--
Lift Station	5,330	3.7

Legend

- Monitoring Well and Designation
- Key Well and Designation
- Extraction Well and Designation
- Stream Gauge and Designation
- Estimated Capture Zone
- Groundwater Contour (Feet)
- Inferred Groundwater Contour (Feet)
- Groundwater Contour Sink (Feet)
- Bedrock Contact
- Groundwater Interceptor Trenches
- Harley Davidson Property Boundary
- Buildings
- Cordorus Creek
- Roads and Curb Boundary

NOTE:

1. *Base data (Buildings, Building Boundaries, Roads and Curbs, and Contour Lines, from NuTec Survey conducted in 2006)*
2. *Gauging data that was used was from the 4/21/08 gauging event.*
3. *The shallow groundwater elevation was used when contouring at well pairs (in black). Gray water levels are from deep wells and are presented for comparison only.*

N

0 300 600 1,200

SCALE IN FEET

FORMER YORK NAVAL ORDNANCE PLANT

1425 EDEN ROAD, YORK, PA 17402

GROUNDWATER SURFACE CONTOUR MAP (4/21/2008)

drawn AGM	checked SLM	approved SMS	figure no. 3-1
date 3/30/09	date 3/31/09	date 3/31/09	
job no. 01-1633-00-5431-600		file no. 20080421_GW_CONT_22_34.mxd	

initials	date	revision

SAIC From Science to Solutions

K:\GIS_Data\Harley\Projects\Key Well Reports\Feb 2009\20080421_GW_CONT_22_34.mxd

Well ID	9/2/08 Daily Flow (Gallons)	Average Daily Pumping Rate (GPM)
CW-1	3,471	2.4
CW-1A	71	0.0
CW-2	506	0.4
CW-3	3,470	2.4
CW-4	2,446	1.7
CW-5	572	0.4
CW-6	3,288	2.3
CW-7	34	0.0
CW-7A	73	0.1
CW-8	137,000	95.1
CW-9	109,770	76.2
CW-13	68,395	47.5
CW-14	--	--
CW-15A	4,165	2.9
CW-16	--	--
CW-17	89,294	62.0
CW-18	--	--
CW-19	--	--
Lift Station	0	0.0

Legend

- Monitoring Well and Designation
- Key Well and Designation
- Extraction Well and Designation
- Stream Gauge and Designation
- Estimated Capture Zone
- Groundwater Contour (Feet)
- Inferred Groundwater Contour (Feet)
- Groundwater Contour Sink (Feet)
- Bedrock Contact
- Groundwater Interceptor Trenches
- Harley Davidson Property Boundary
- Buildings
- Cordorus Creek
- Roads and Curb Boundary

N

NOTE:

1. *Base data (Buildings, Building Boundaries, Roads and Curbs, and Contour Lines, from NuTec Survey conducted in 2006)*
2. *Gauging data that was used was from the 9/2/08 gauging event.*
3. *The shallow groundwater elevation was used when contouring at well pairs (in black). Gray water levels are from deep wells and are presented for comparison only.*

0 300 600 1,200

SCALE IN FEET

FORMER YORK NAVAL ORDNANCE PLANT

1425 EDEN ROAD, YORK, PA 17402

GROUNDWATER SURFACE CONTOUR MAP (9/2/2008)

drawn AGM	checked SLM	approved SMS	figure no. 3-2
date 3/30/09	date 3/31/09	date 3/31/09	
job no. 01-1633-00-5431-600		file no. 20080902_GW_CONT_22_34.mxd	

initials	date	revision

SAIC From Science to Solutions

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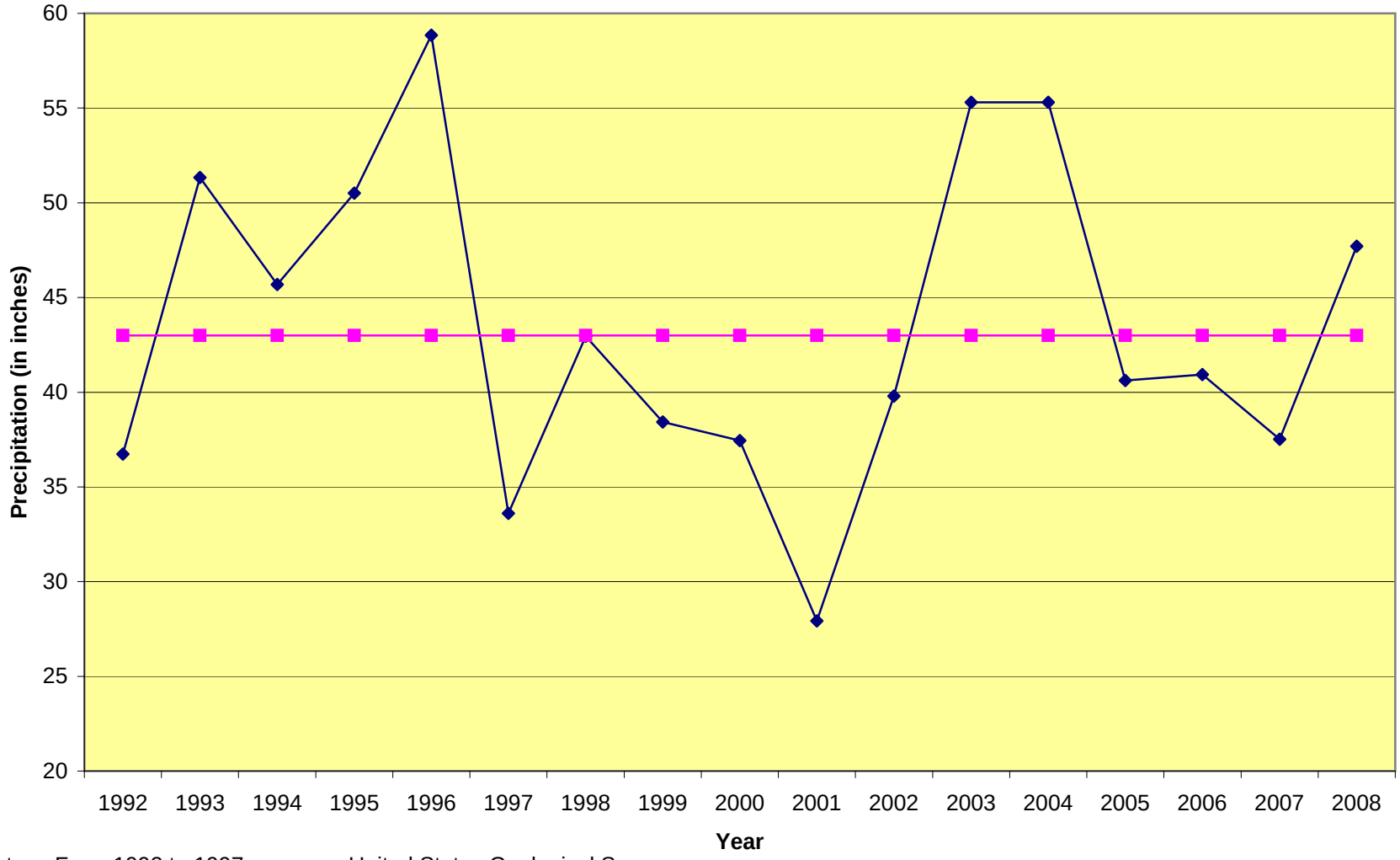
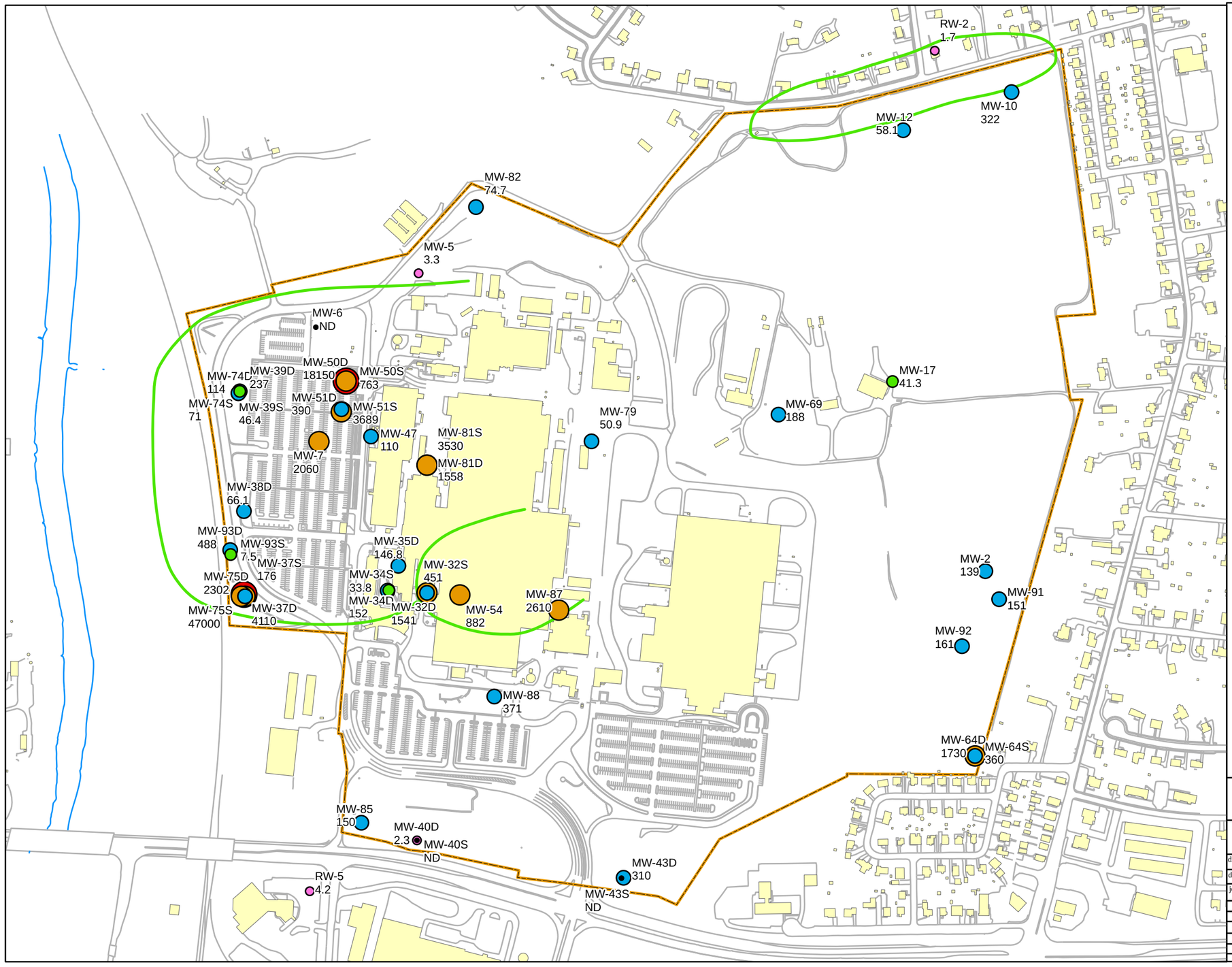
Figure 3-3
Annual Historical Precipitation Data for York, PA
Former York Naval Ordnanace Plant
1425 Eden Road, York PA 17402



Notes: From 1992 to 1997, source = United States Geological Survey
From 1998 to 2002, source = Accuweather.com
From 2003 to 2008, source = Harley-Davidson



FORMER YORK NAVAL ORDNANCE PLANT

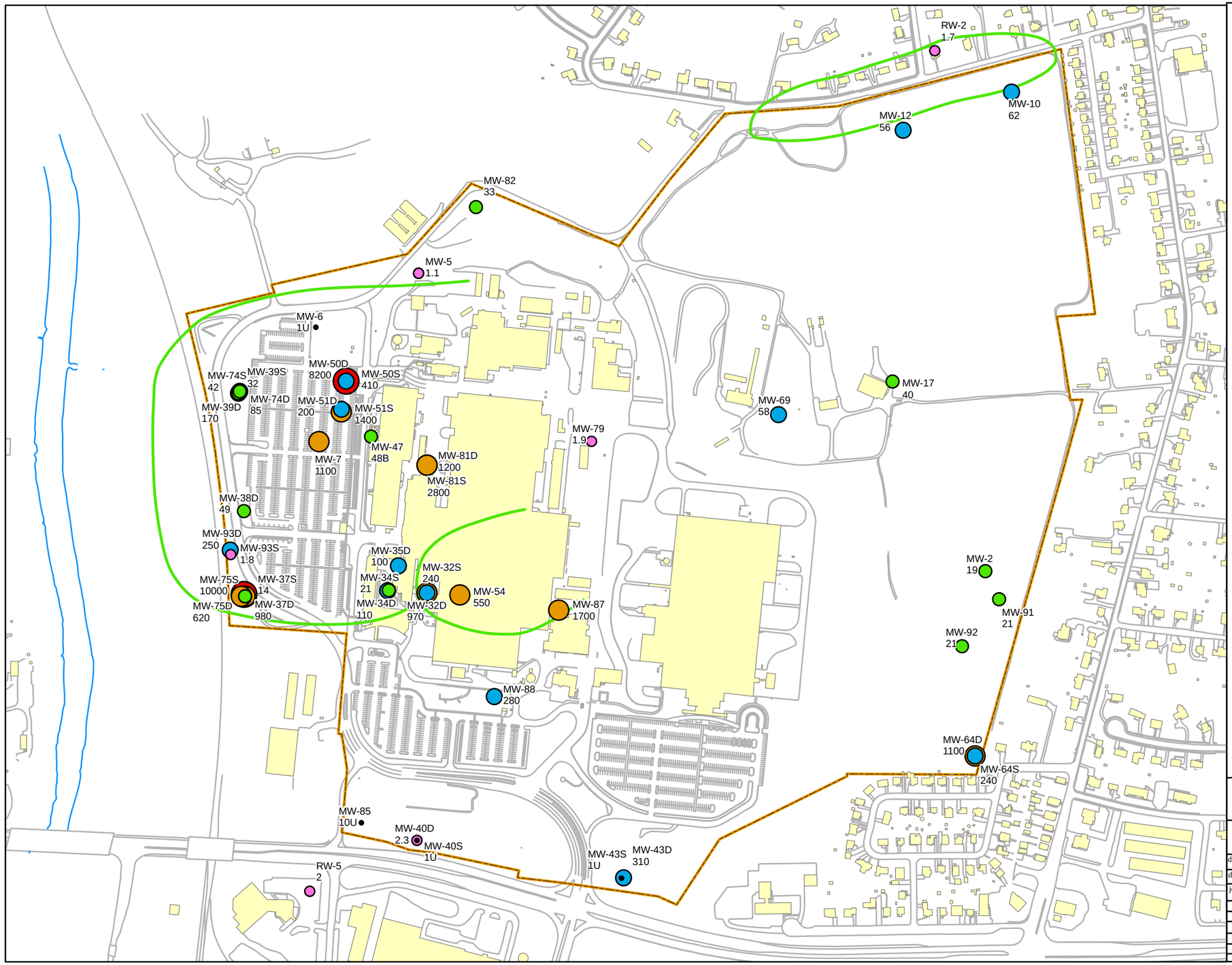
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
Total VOCs - April/May 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-4
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TVOC_2ndQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



Trichloroethene (TCE) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone (From Fig 3-1)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:

1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *J = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

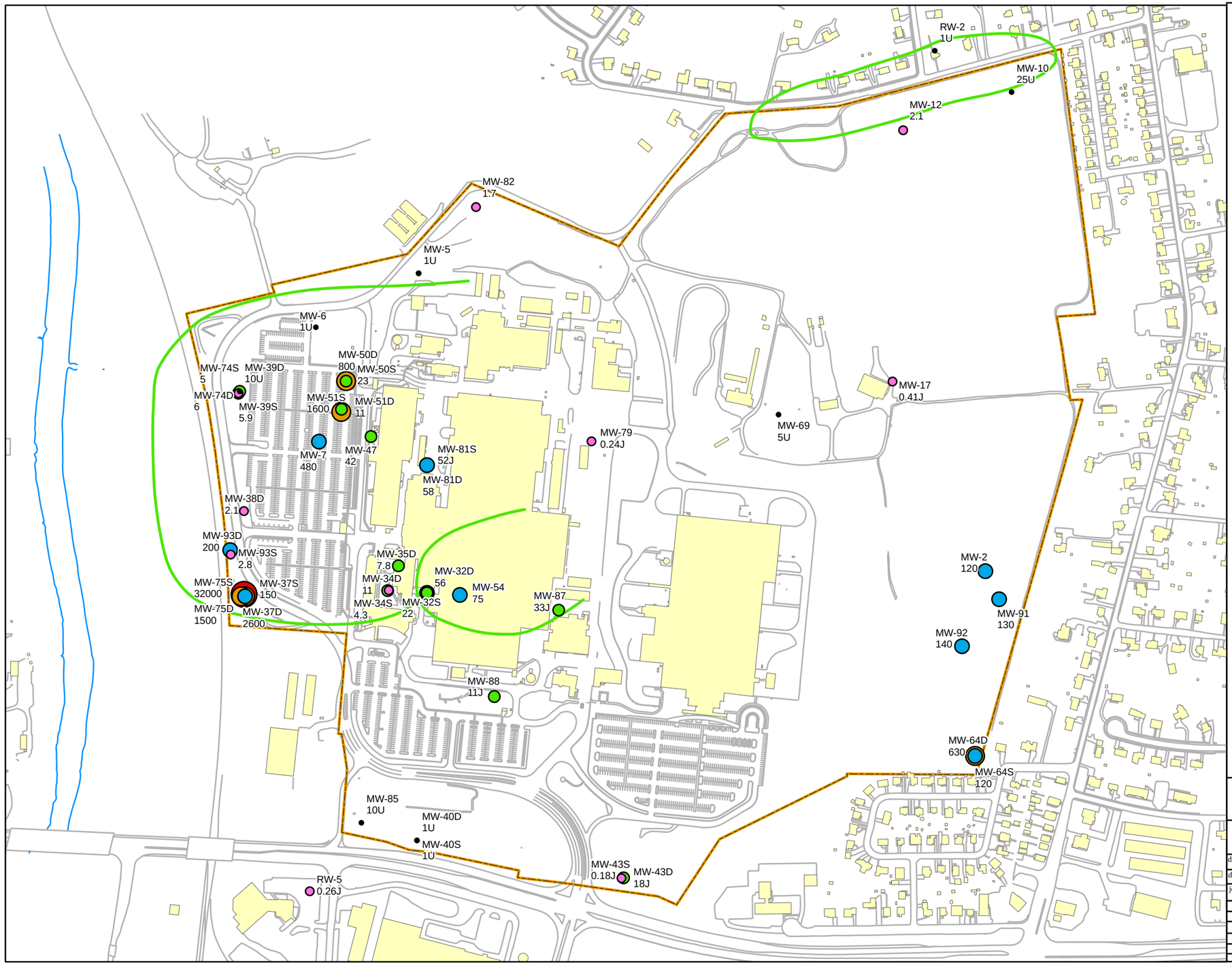
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
TCE - April/May 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-5
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TCE_2ndQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Tetrachloroethene (PCE) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone (From Fig. 3-1)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *J = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

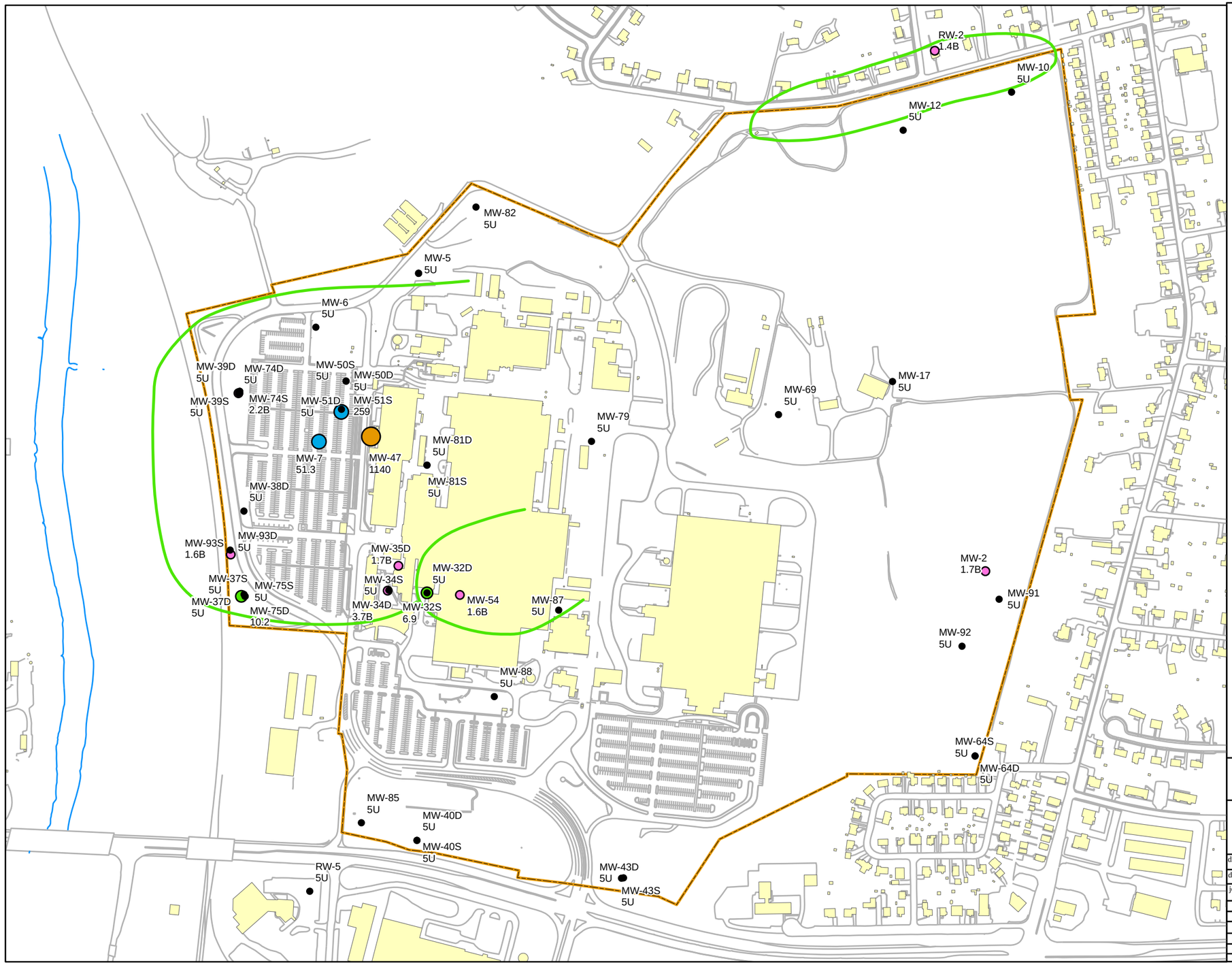
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
PCE - April/May 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-6
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. PCE_2ndQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Total Chromium (Cr+3 and Cr+6, dissolved) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone (From Fig. 3-1)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *B = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

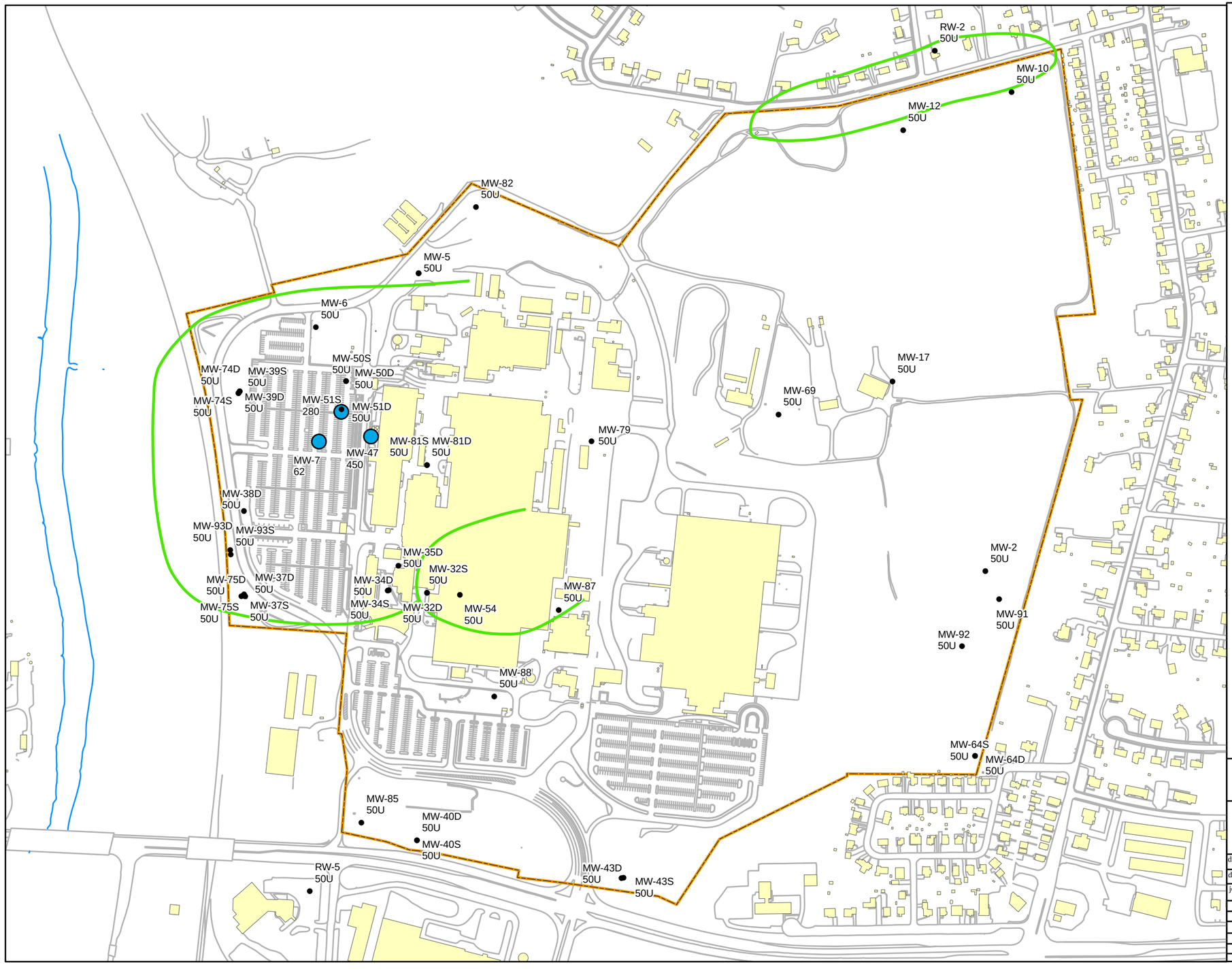
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
Total Chromium (Cr^{+3} and Cr^{+6}, Dissolved Phase) April/May 2008

drawn	checked	approved	figure no.
AGM	SLM	SMS	3-7
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TotCh_2ndQTR_.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Dissolved Hexavalent Chromium (Cr+6) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone (From Fig. 3-1)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *B = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

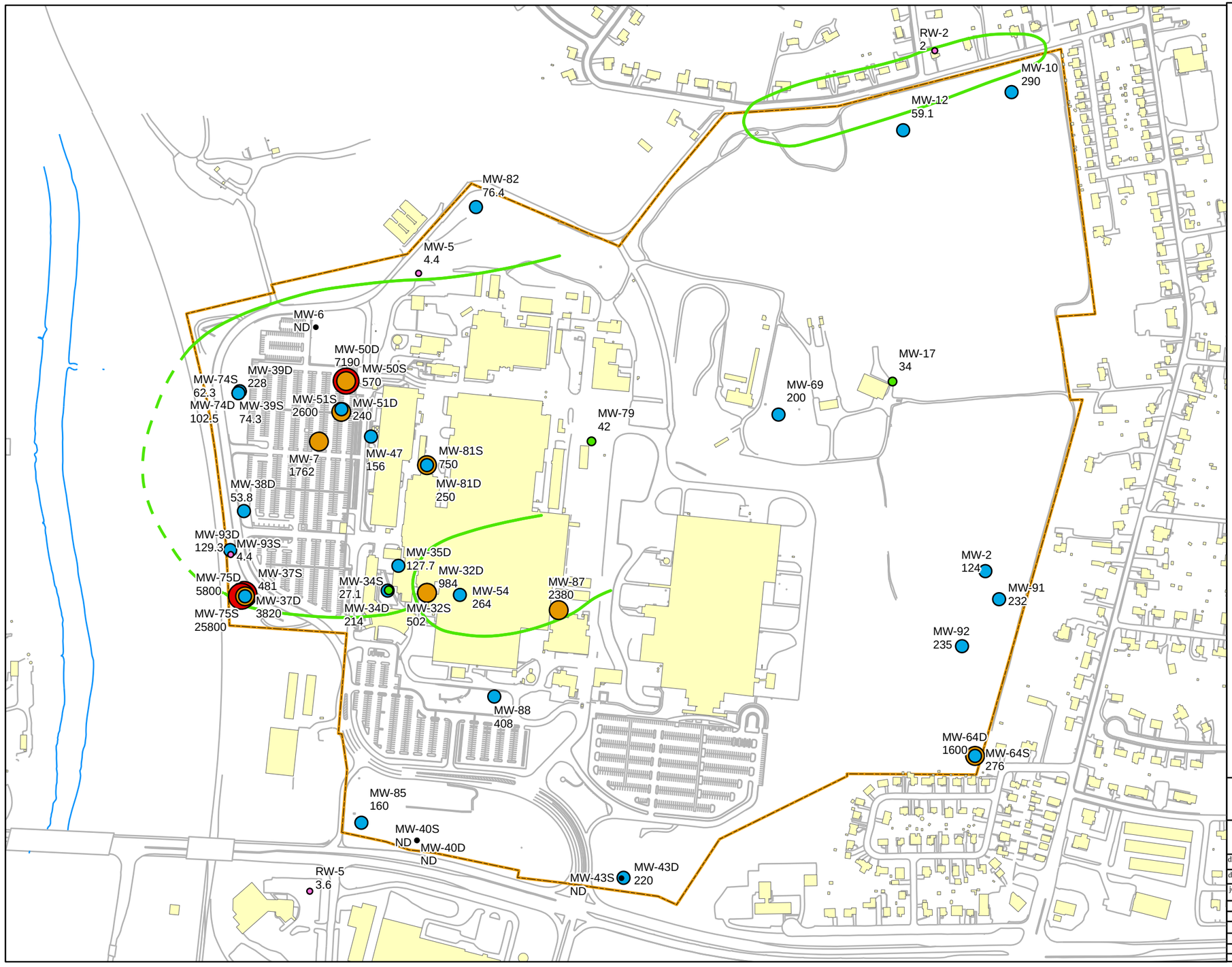
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
Dissolved Hexavalent Chromium (Cr+6) in µg/l April/May 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-8
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. Hex_2ndQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Total VOCs in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone, Inferred Where Dashed (From Fig. 3-2)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *J = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

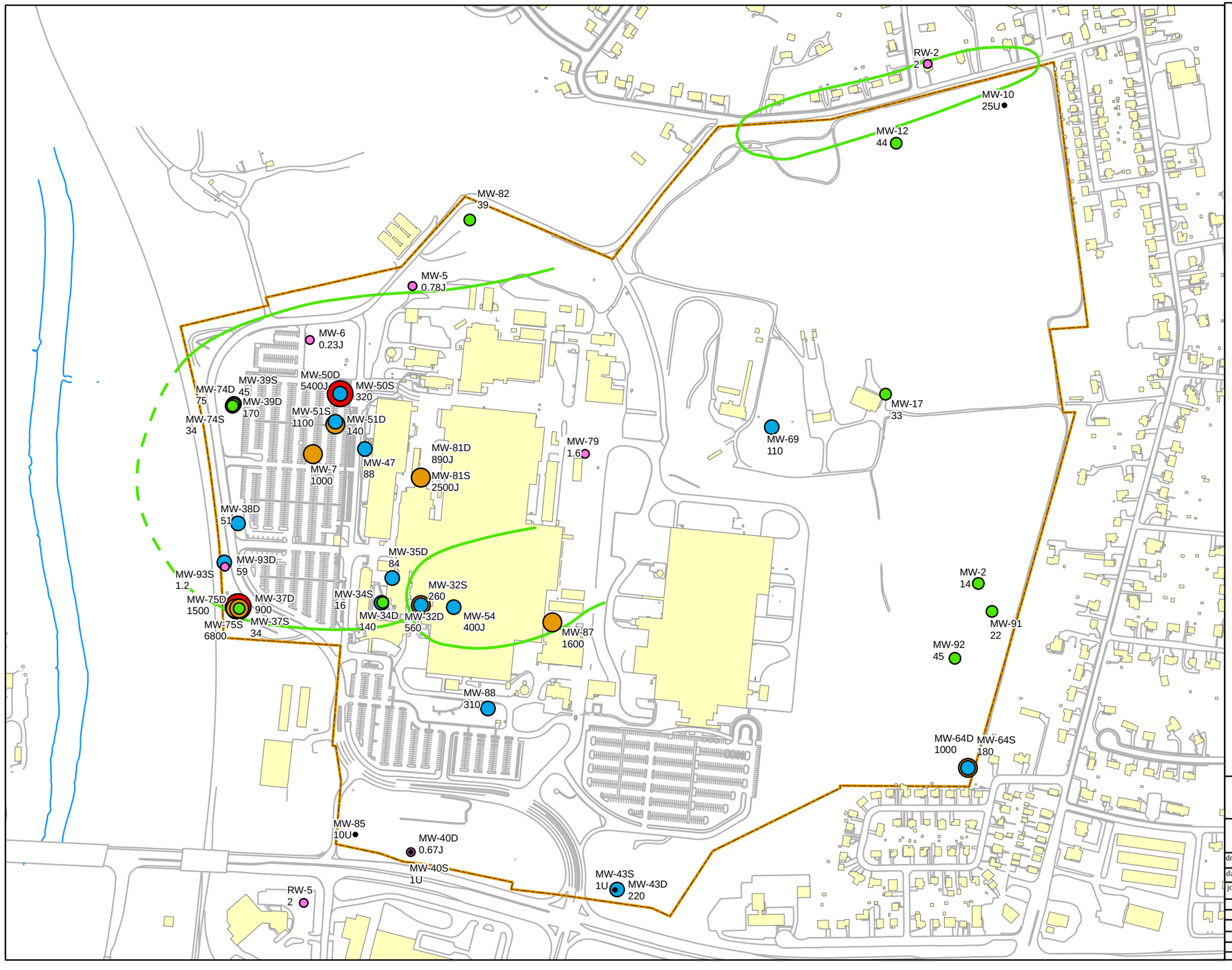
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
Total VOCs - September/October 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-9
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TVOC_4thQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Trichloroethene (TCE) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone, Inferred Where Dashed (From Fig. 3-2)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *J = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

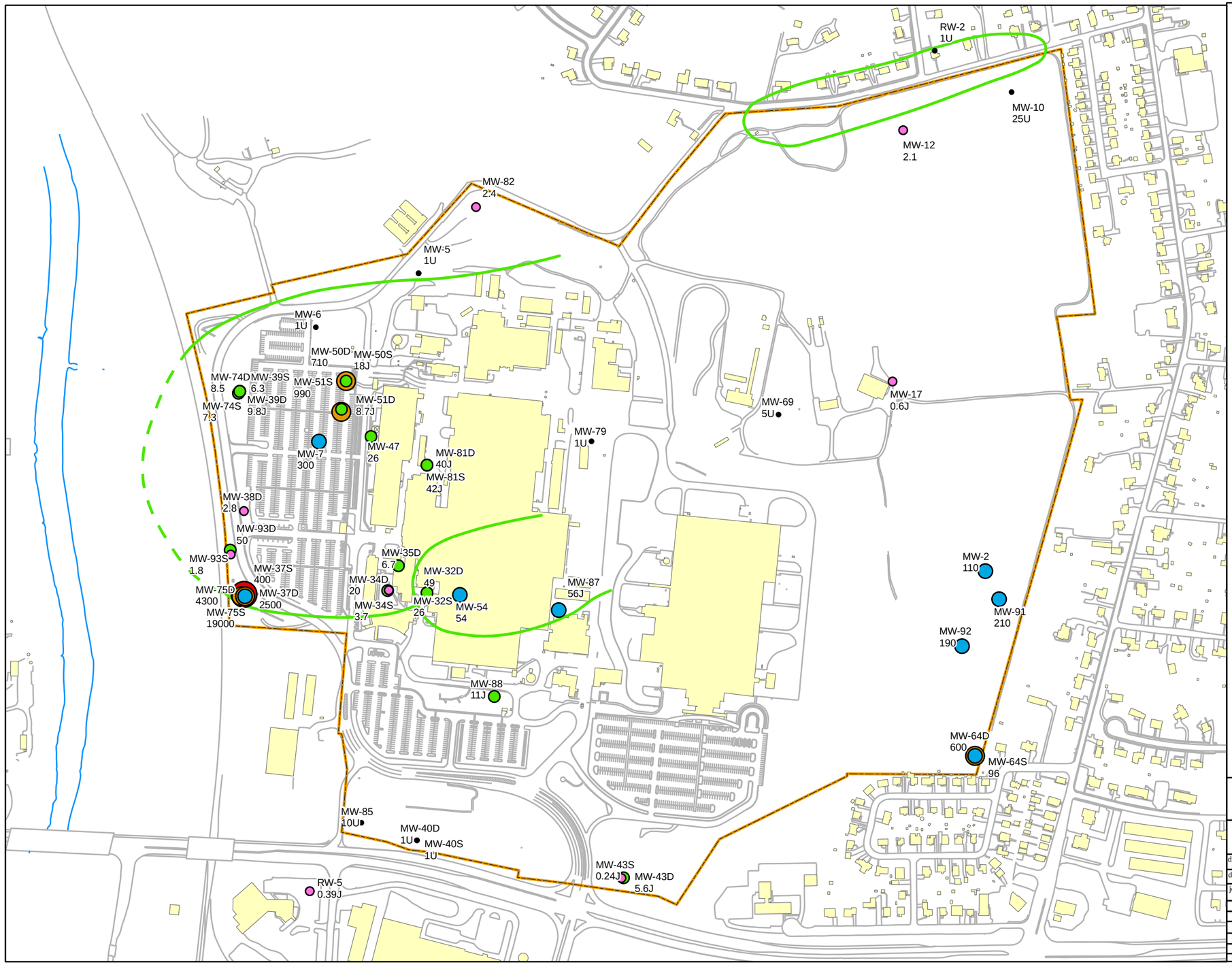
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
TCE - September/October 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-10
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TCE_4thQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



Tetrachloroethene (PCE) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

Estimated Capture Zone, Inferred Where Dashed (From Fig. 3-2)
Cordorus Creek
Buildings
Harley Davidson Property Boundary
Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *B = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

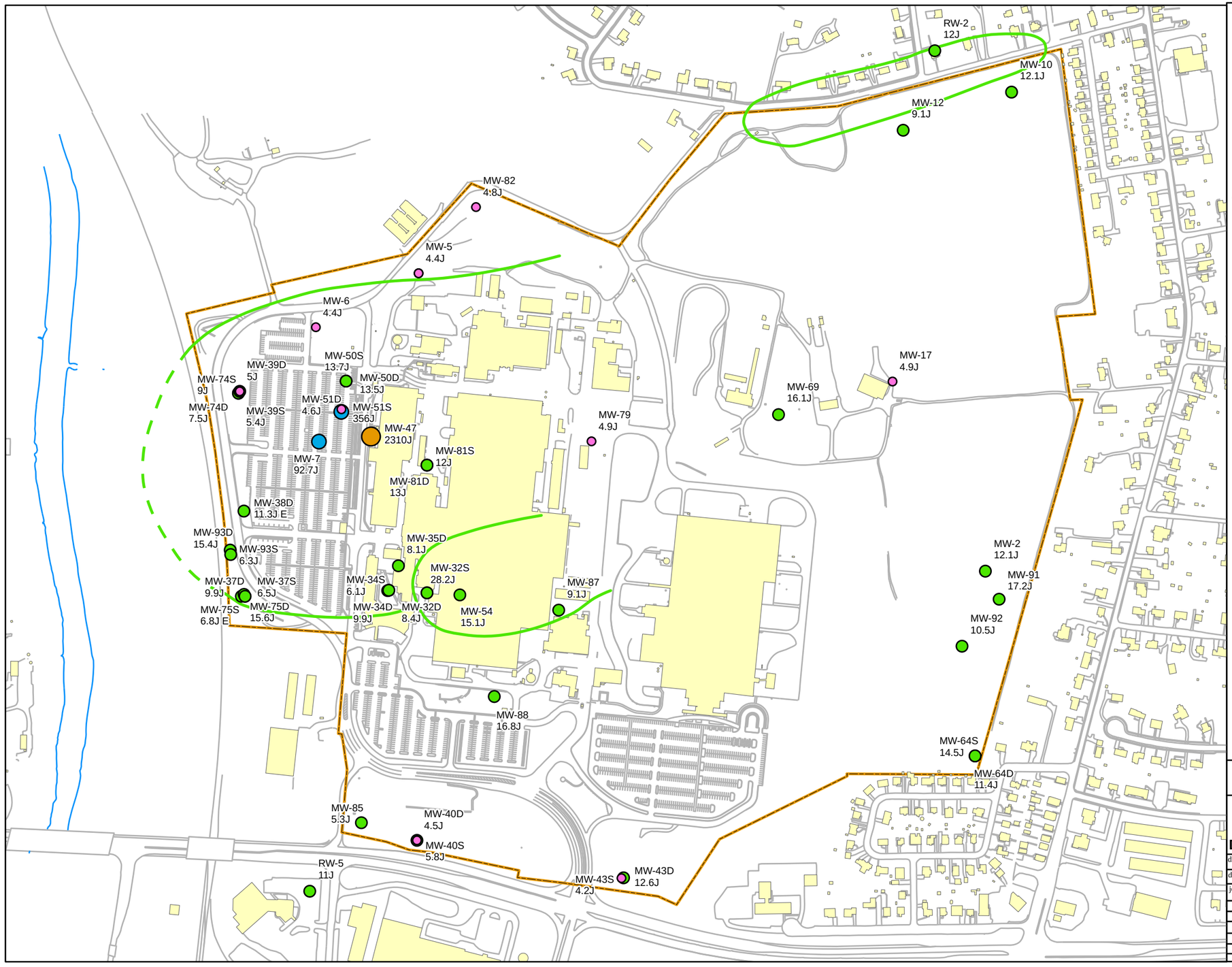
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
PCE - September/October 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-11
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. PCE_4thQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Total Chromium (Cr+3 and Cr+6, dissolved) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone, Inferred Where Dashed (From Fig. 3-2)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *B = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

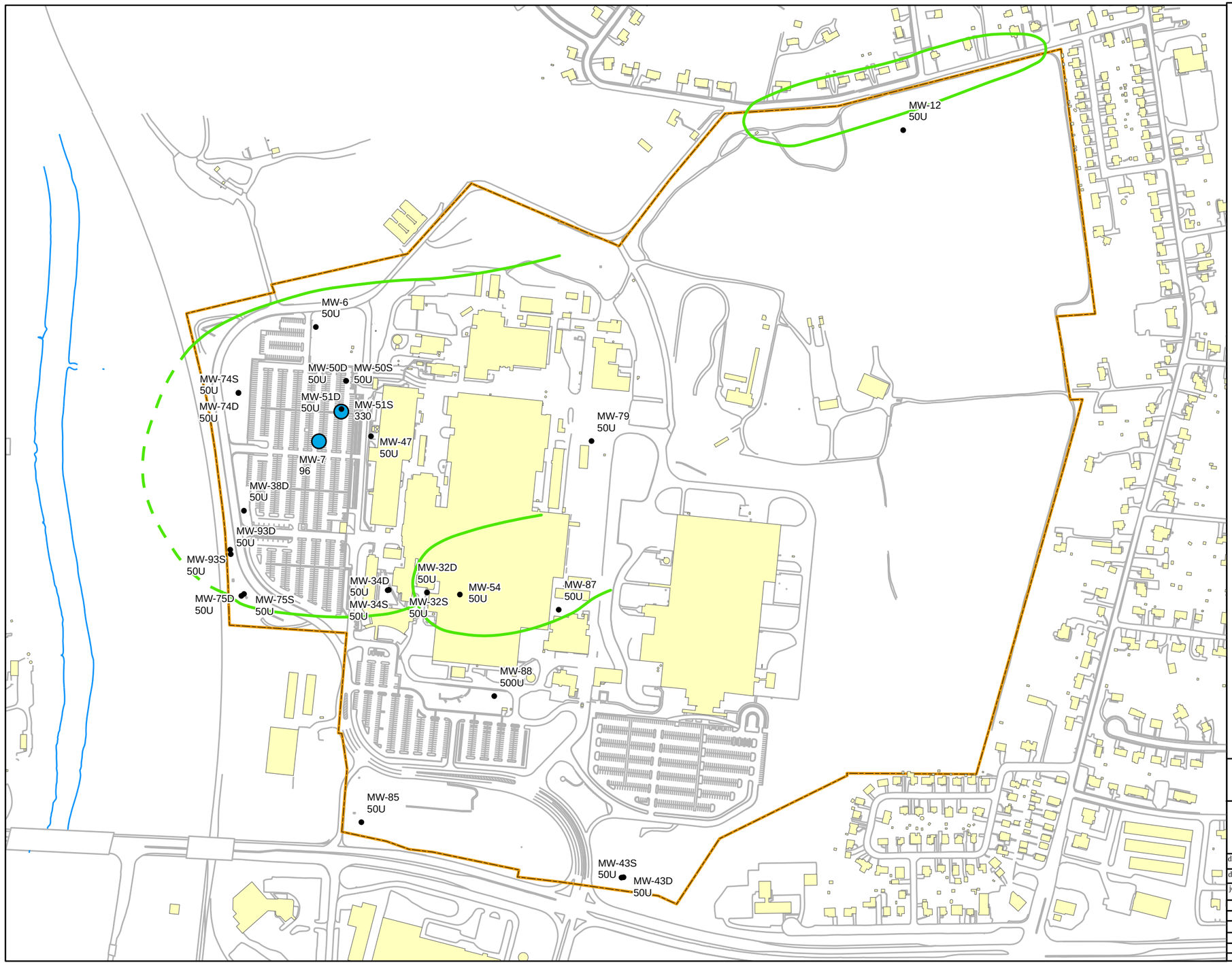
FORMER YORK NAVAL ORDNANCE PLANT
1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map
Total Chromium (Cr^{+3} and Cr^{+6}, Dissolved Phase) September/October 2008

drawn AGM	checked SLM	approved SMS	figure no. 3-12
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. TotCh_4thQTR.mxd	

initials	date	revision

SAIC From Science to Solutions



N
W E
S

Dissolved Hexavalent Chromium (Cr+6) in µg/l

- ND
- < 5.0
- 5.1 - 50.0
- 50.1 - 500.0
- 500.1 - 5000.0
- >5000.1

- Estimated Capture Zone, Inferred Where Dashed (From Fig. 3-2)
- Cordorus Creek
- Buildings
- Harley Davidson Property Boundary
- Roads and Curb Boundary

NOTE:
1. *ND = Not detected above laboratory reporting limit.*
2. *U = Not detected above laboratory reporting limit.*
3. *B = Estimated result. Result is less than reporting limit but greater than the detection limit.*

450 225 0 450 Feet

1 inch = 450 feet

FORMER YORK NAVAL ORDNANCE PLANT

1425 EDEN ROAD, YORK, PA 17402

Key Well Chemistry Map Dissolved Hexavalent Chromium (Cr+6) in µg/l September/October 2008

drawn	checked	approved	figure no.
AGM	SLM	SMS	3-13
date 3/2/09	date 3/30/09	date 3/30/09	
job no. 01-1633-00-5431-600		file no. Hex_4thQTR.mxd	

initials	date	revision

SAIC From Science to Solutions

Figure 4-1
Packed Tower Aerator Influent Chemistry - Total VOC Concentration
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

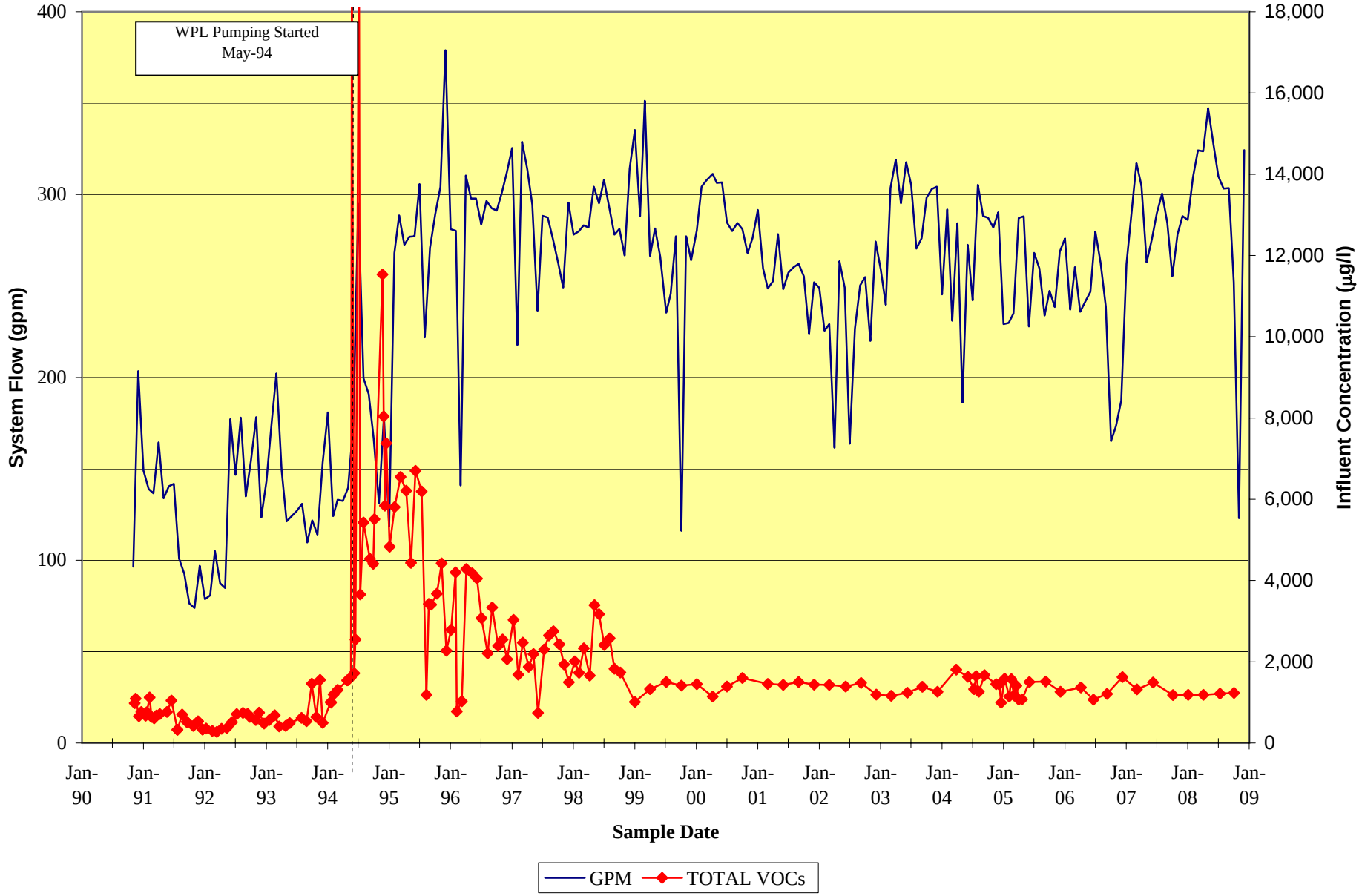


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Figure 4-2
Packed Tower Aerator Influent Chemistry for NPDES Discharge Permit Required Compounds
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

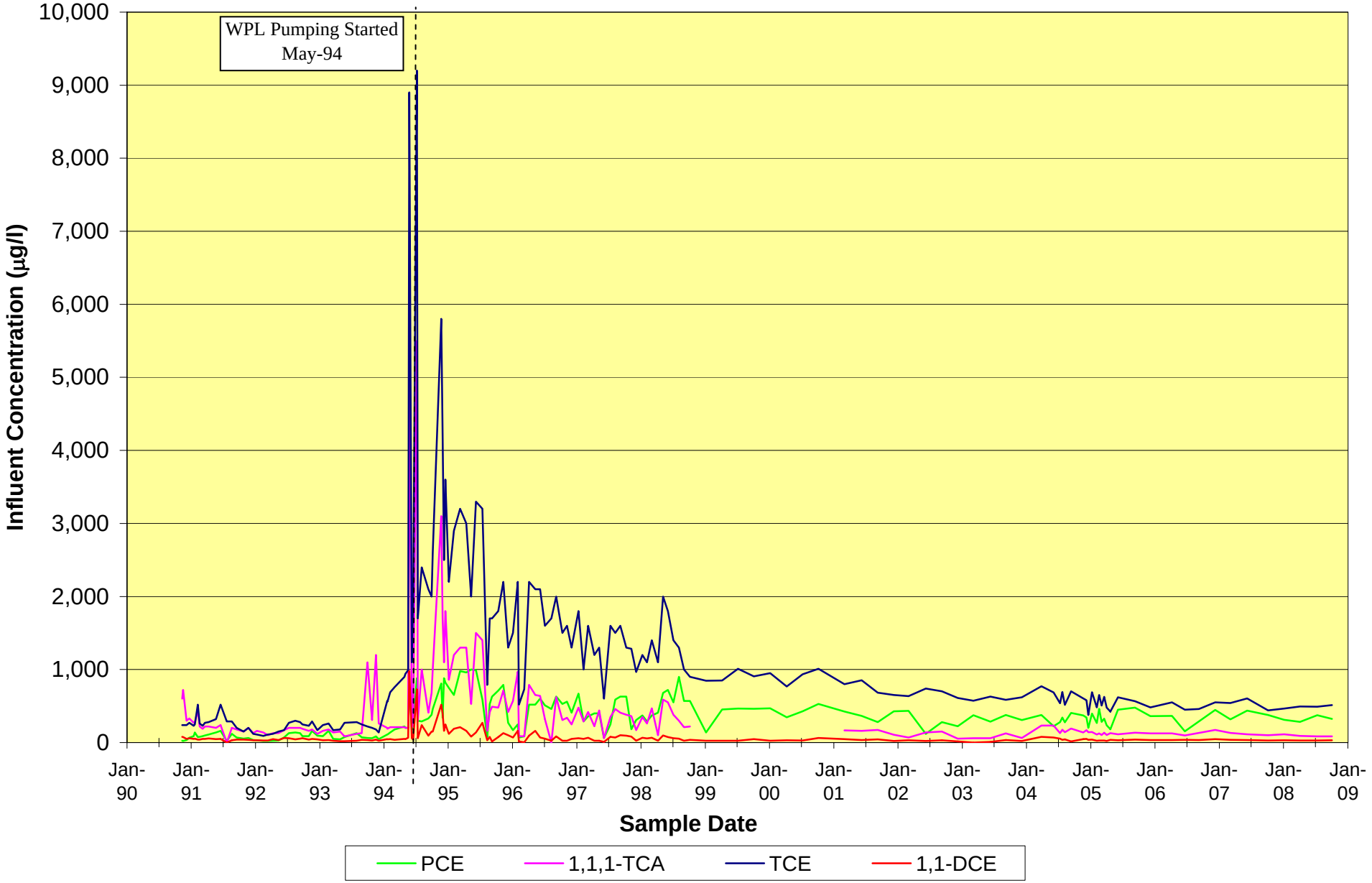

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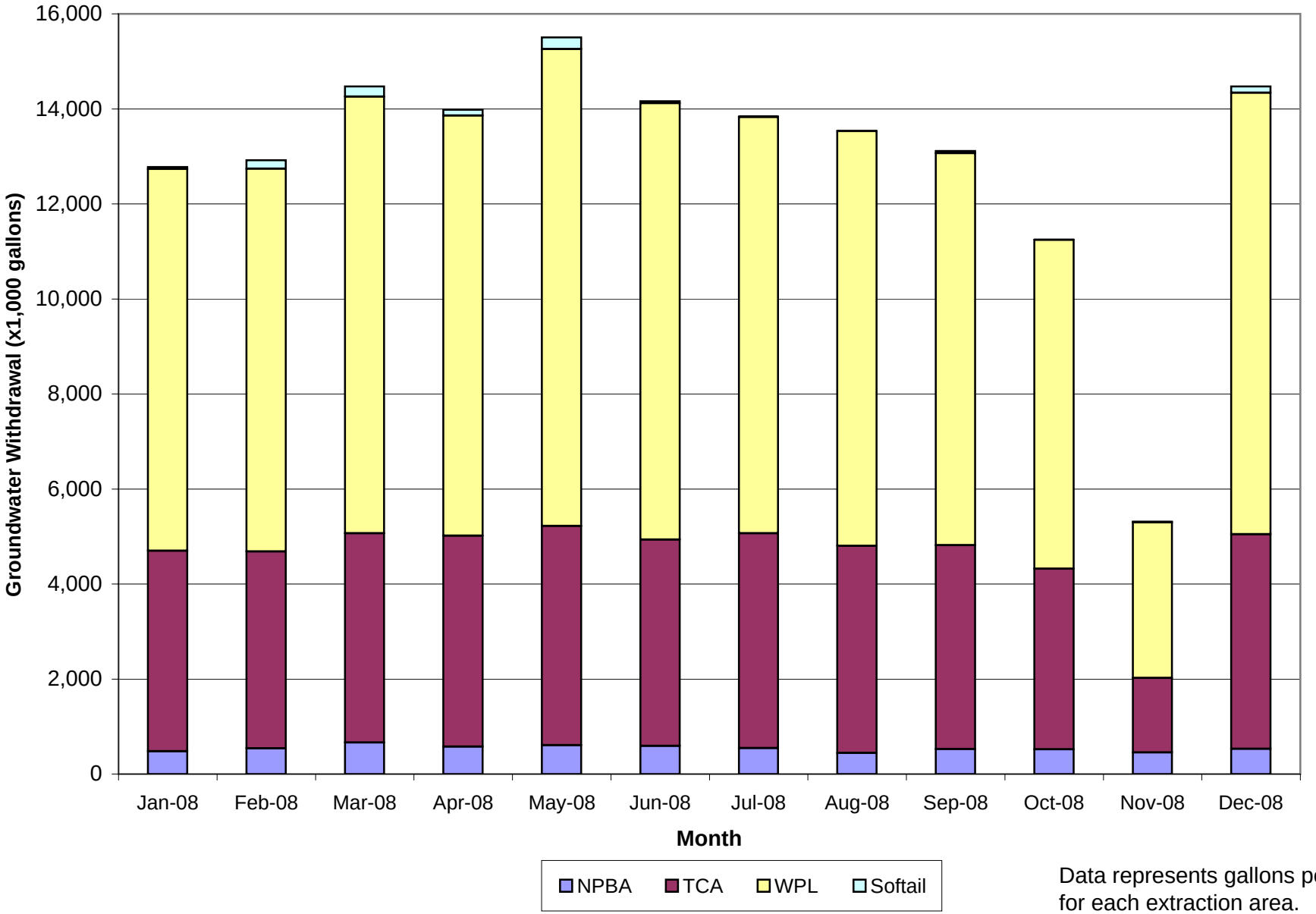
Figure 5-1
2008 Groundwater Withdrawals
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402



Data represents gallons per month for each extraction area.

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Figure 5-2
TCE in NPBA Extraction Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

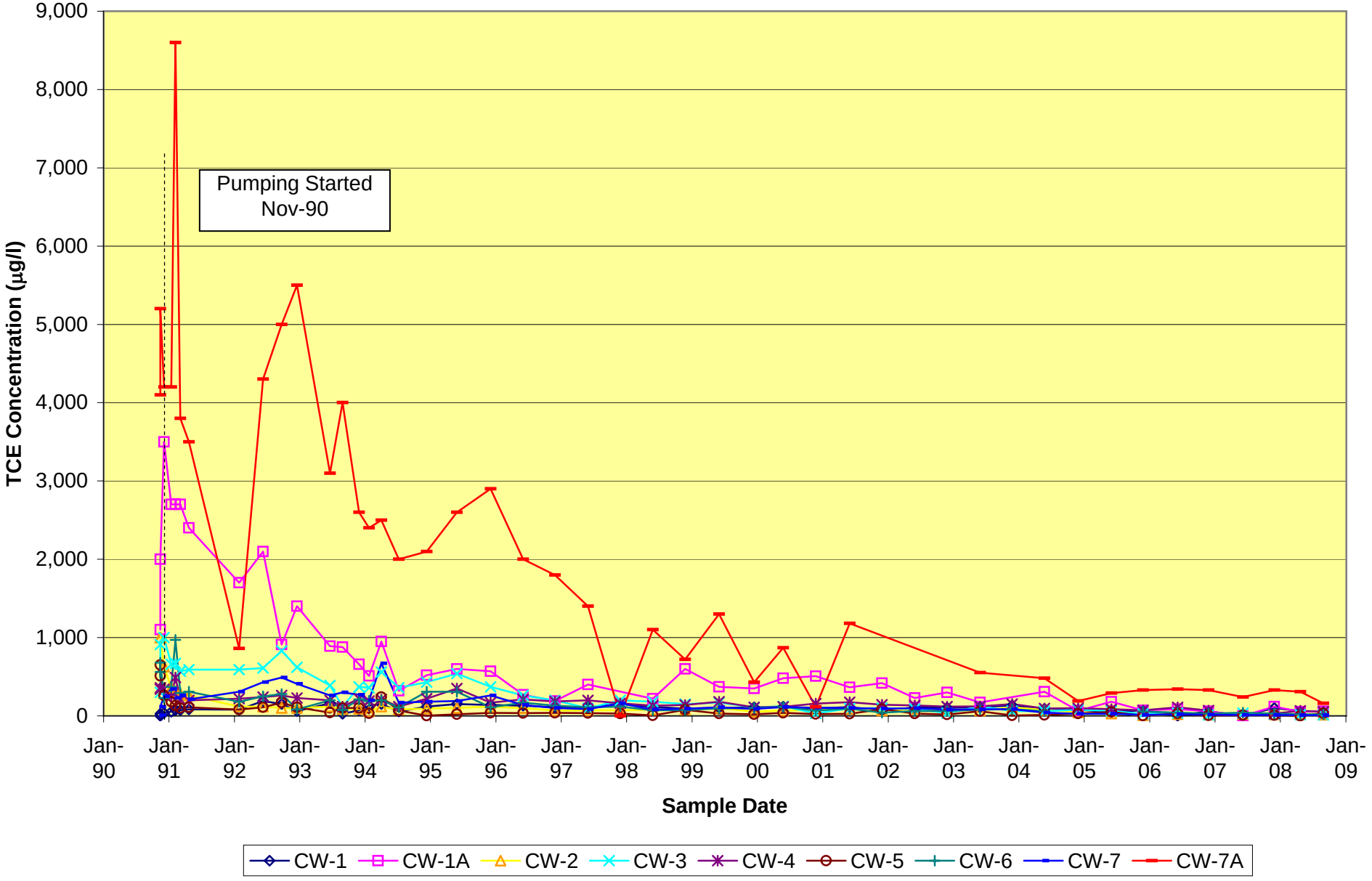

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Figure 5-3
Predominant VOC Concentrations - Extraction Well CW-1
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

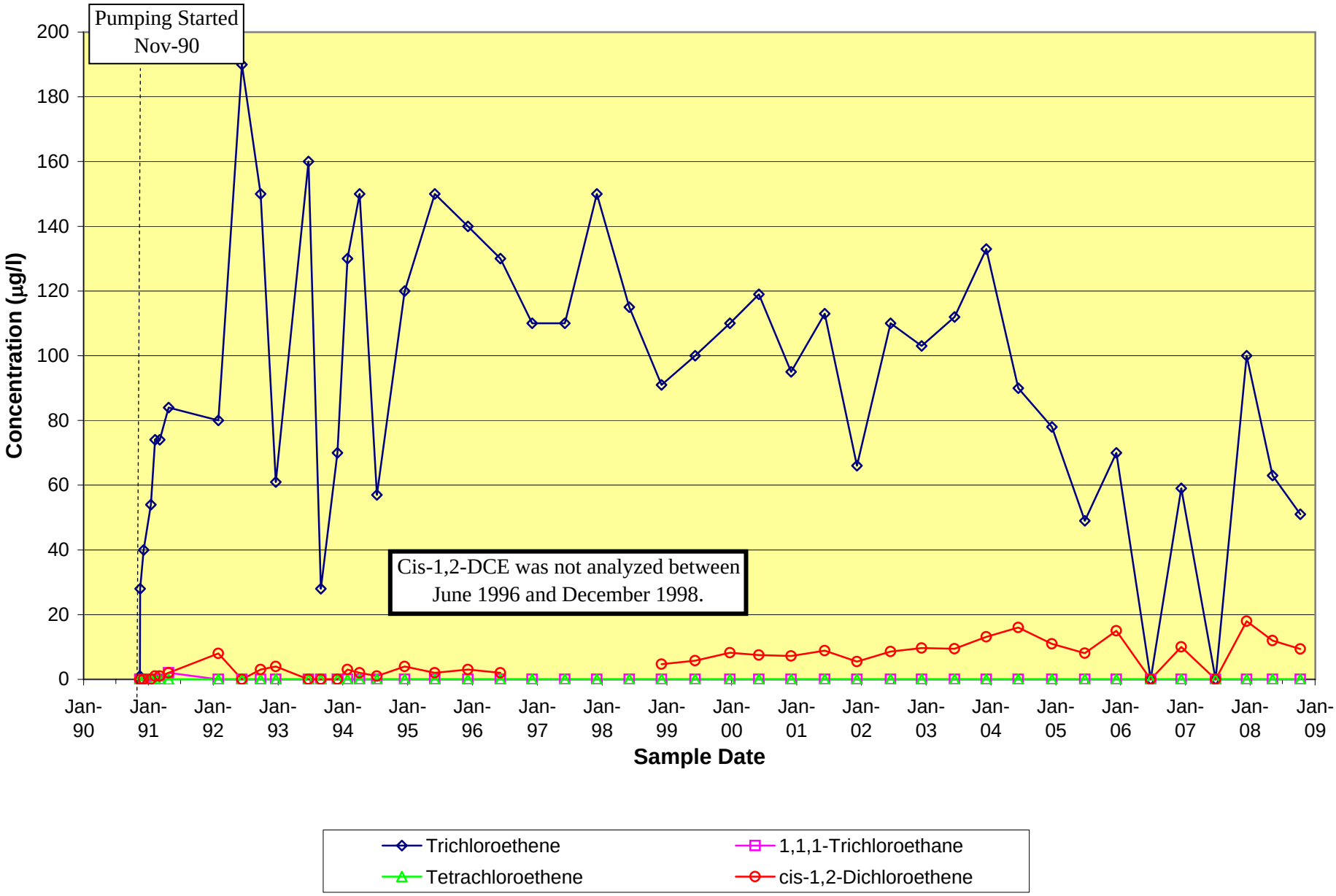

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Figure 5-4
Predominant VOC Concentrations - Extraction Well CW-1A
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

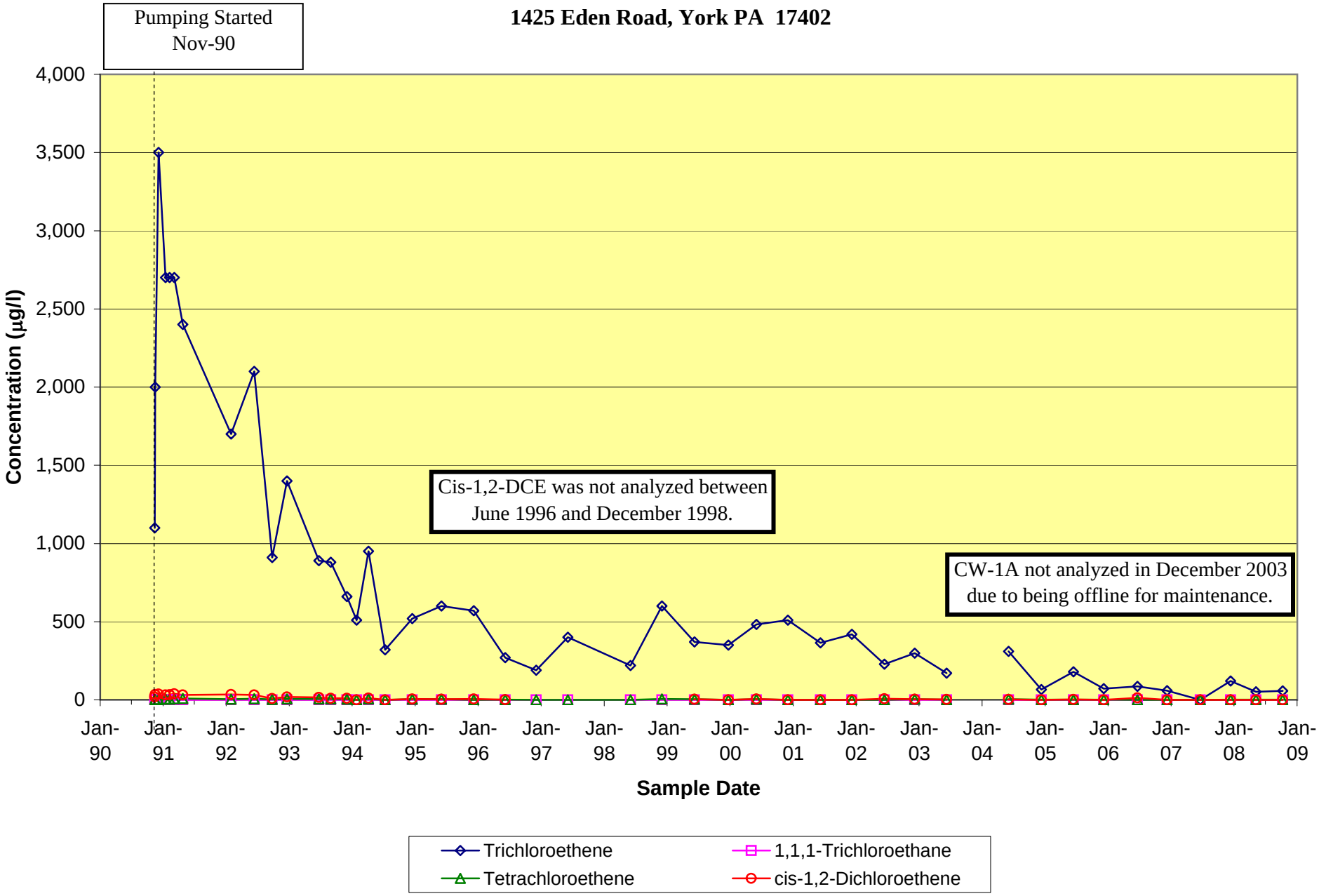

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Figure 5-5
Predominant VOC Concentrations - Extraction Well CW-2
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

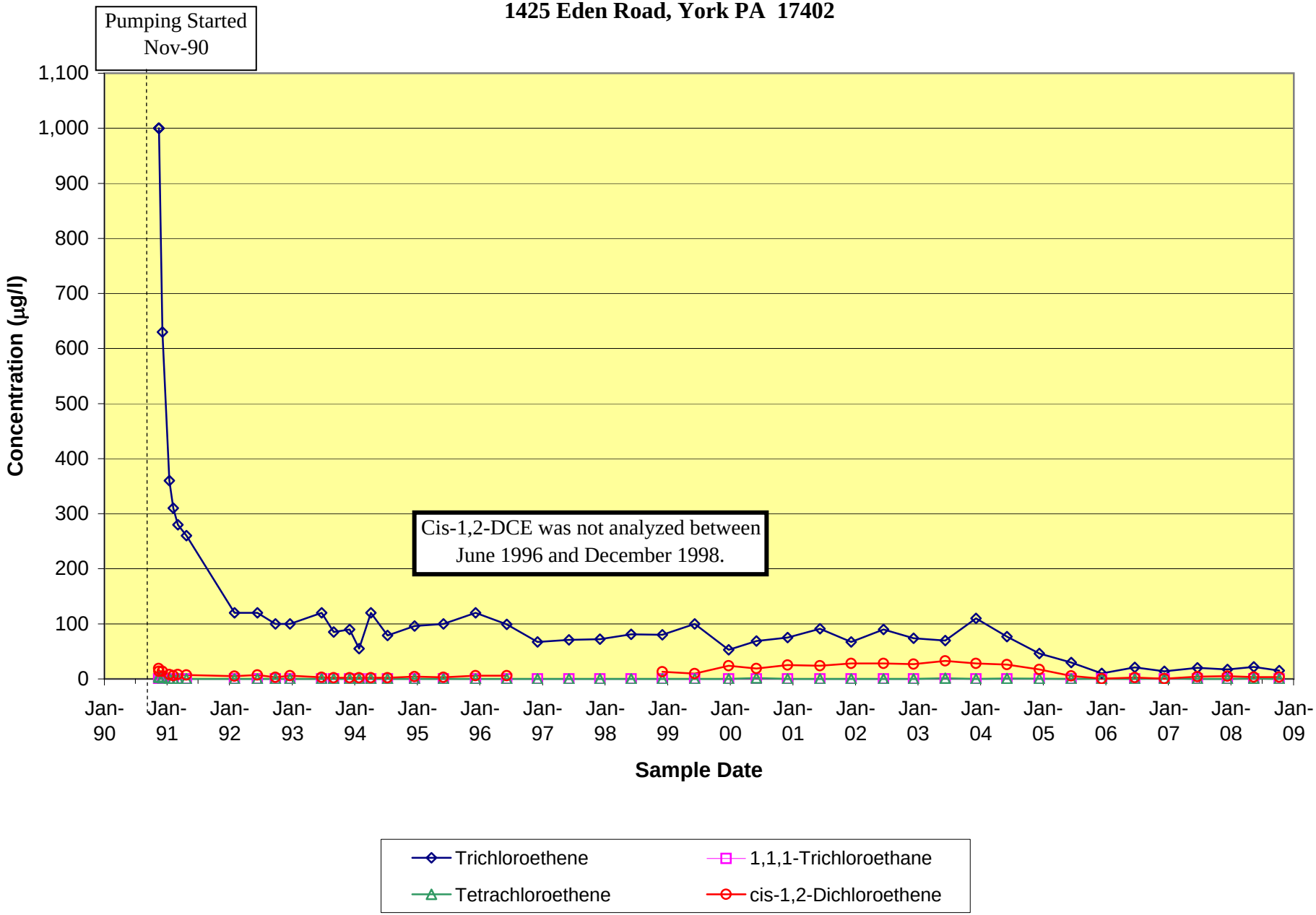

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Figure 5-6
Predominant VOC Concentrations - Extraction Well CW-3
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

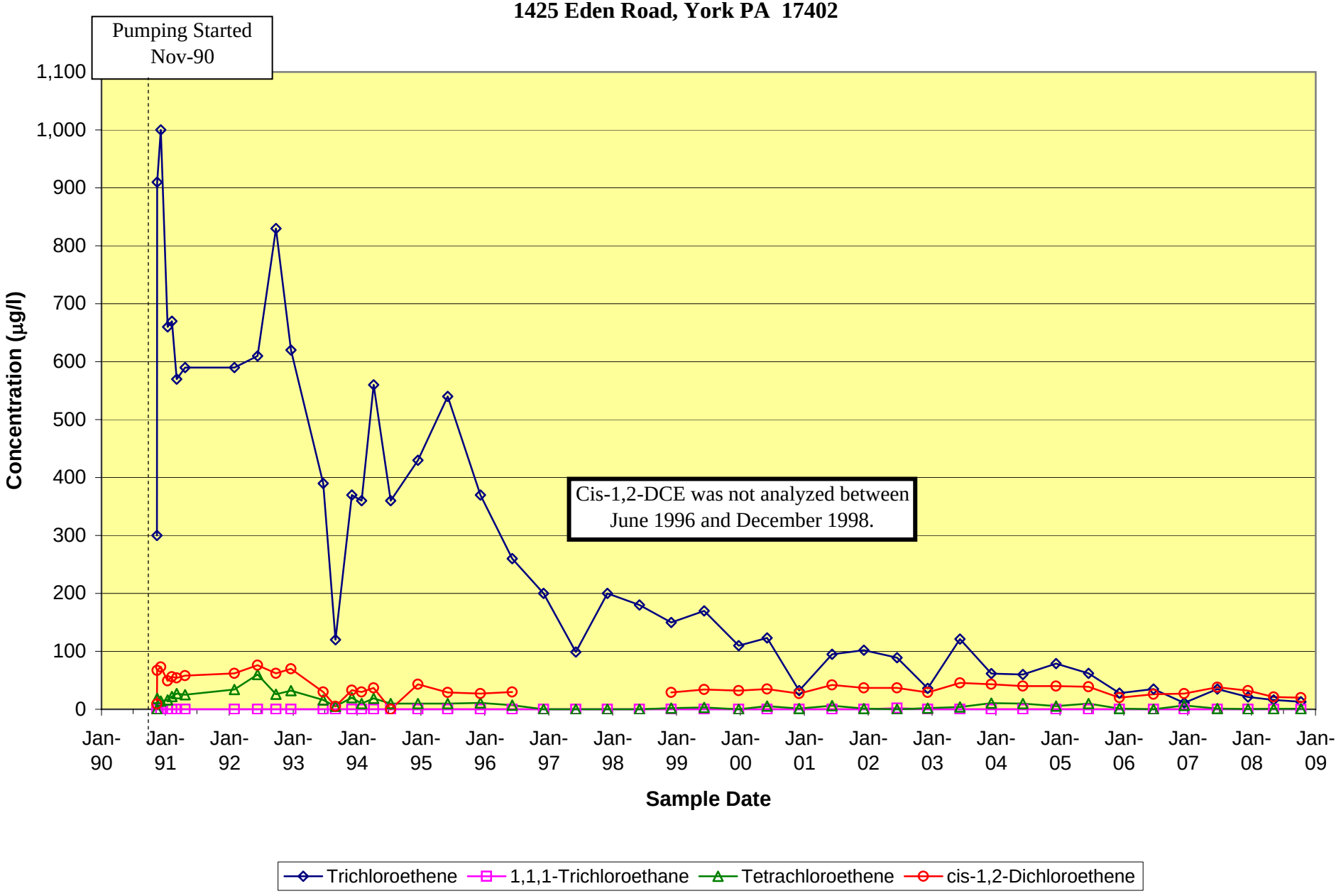

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Figure 5-7
Predominant VOC Concentrations - Extraction Well CW-4
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

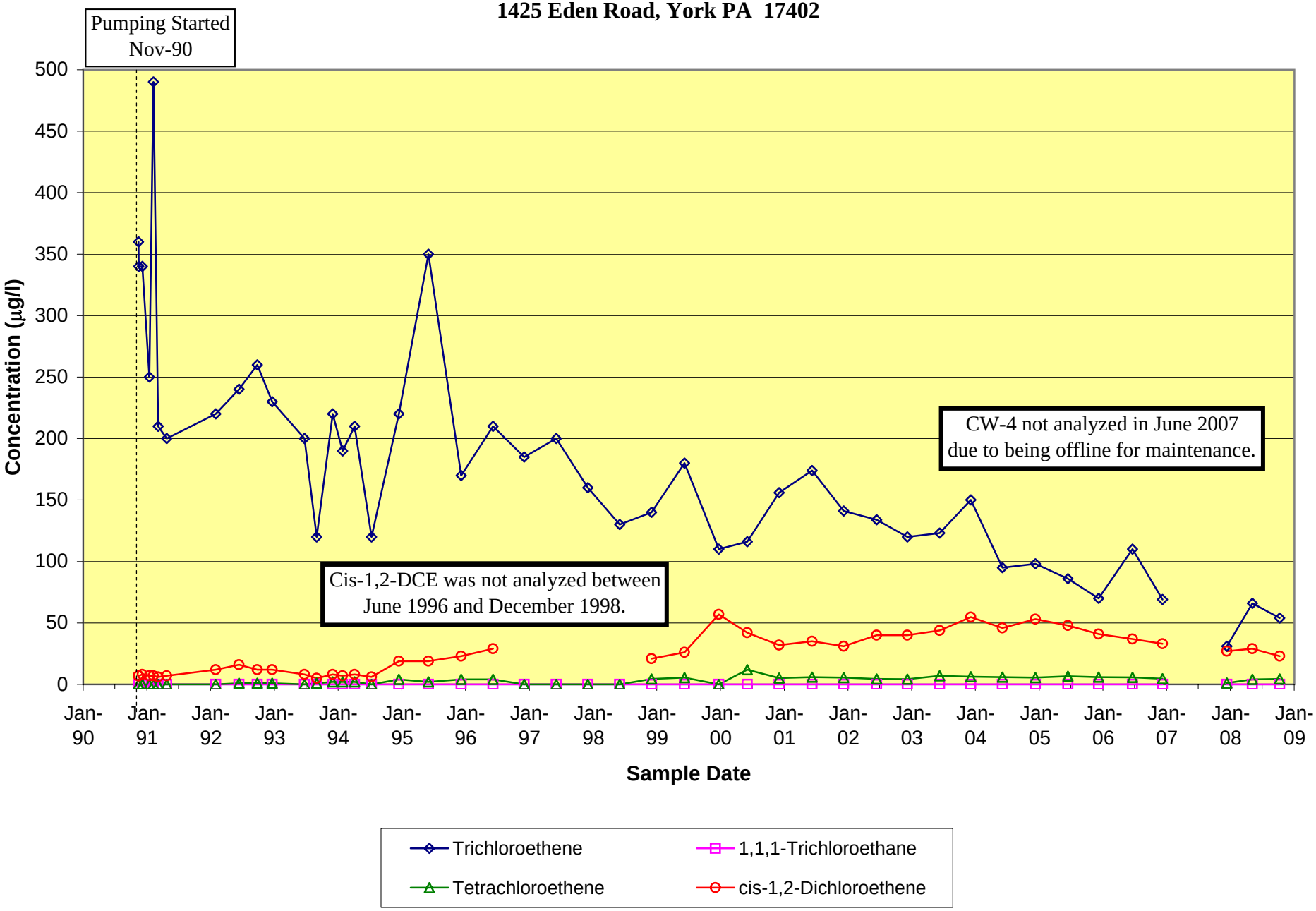

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Figure 5-8
Predominant VOC Concentrations - Extraction Well CW-5
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

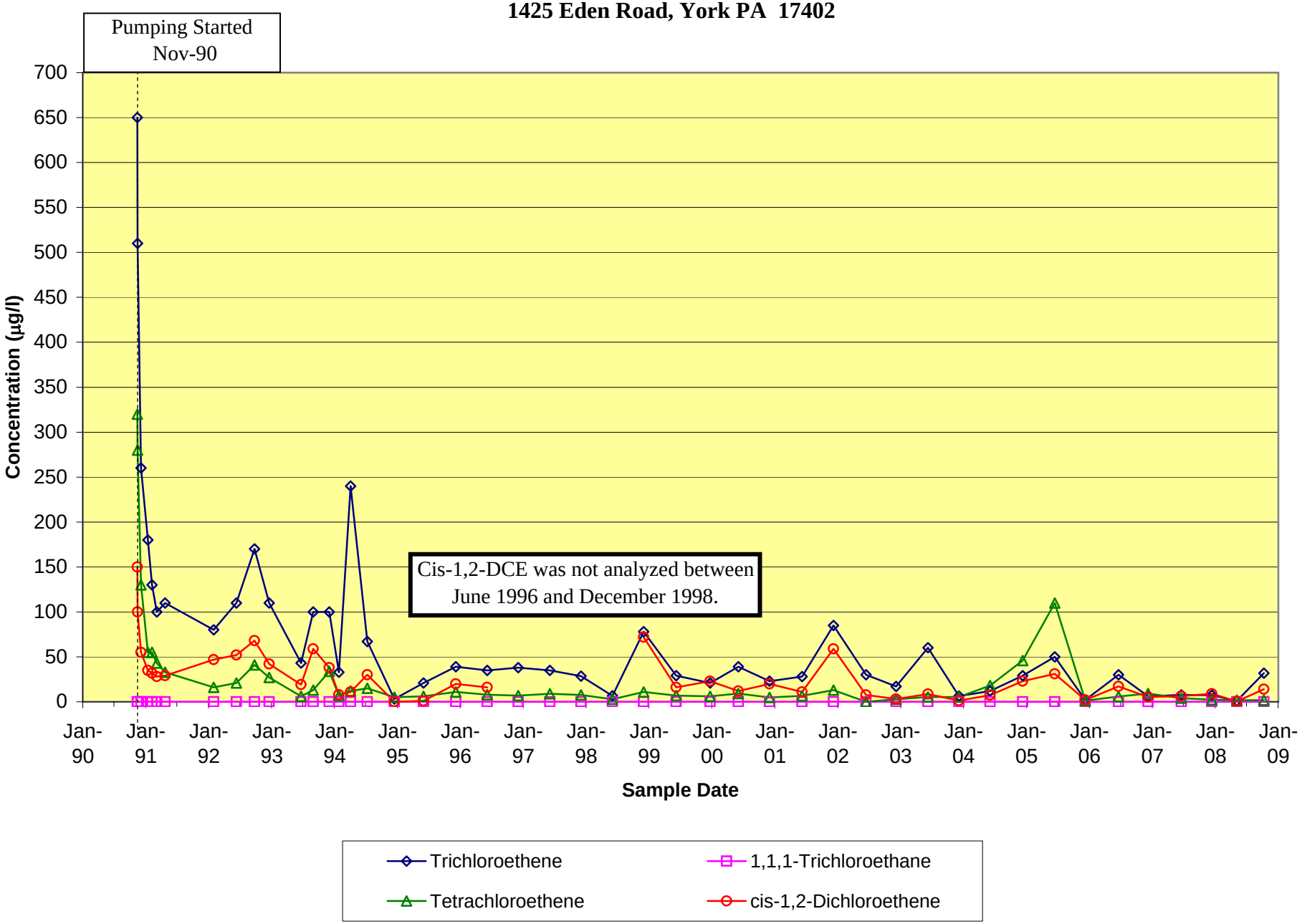

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Figure 5-9
Predominant VOC Concentrations - Extraction Well CW-6
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

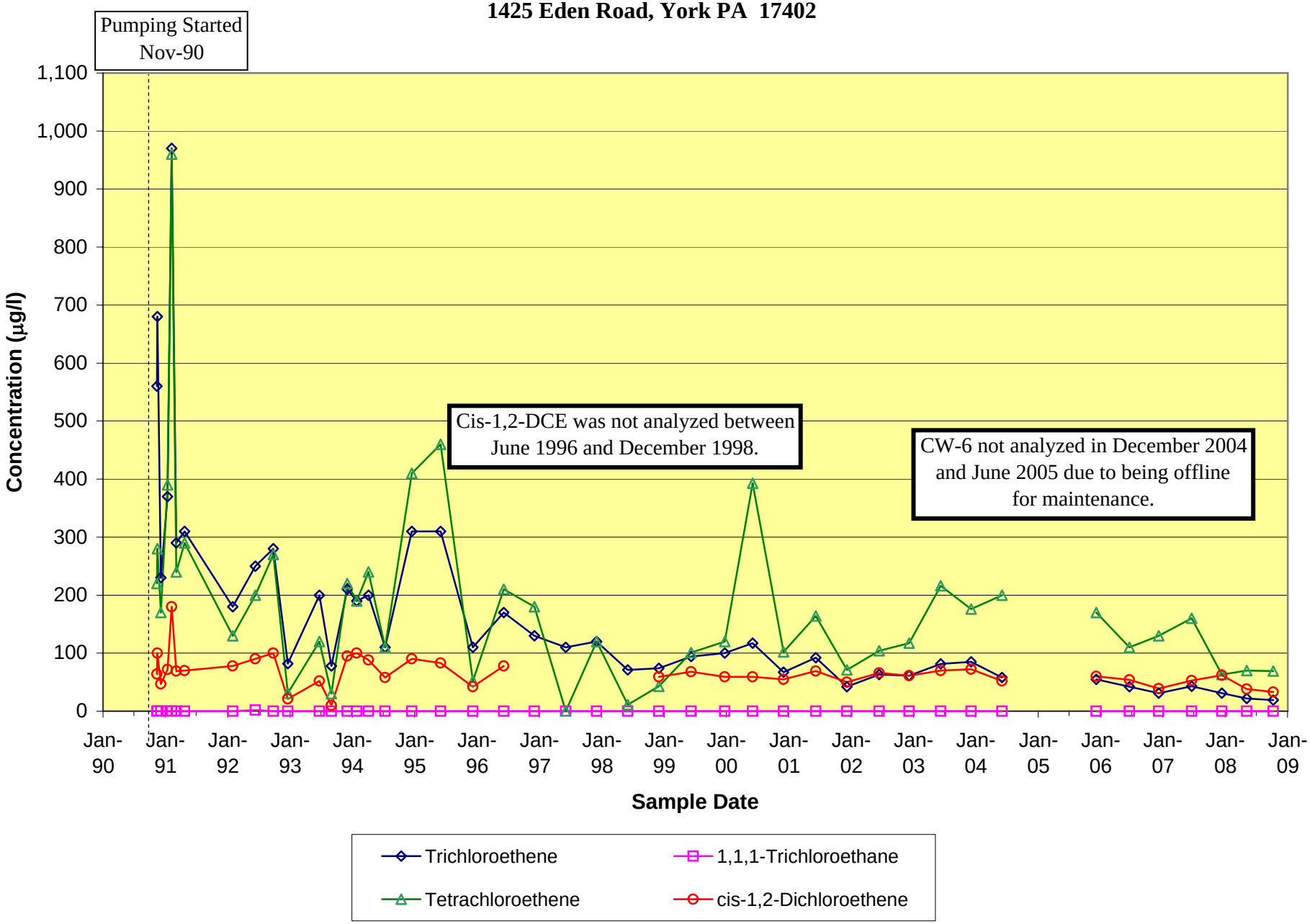

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Figure 5-10
Predominant VOC Concentrations - Extraction Well CW-7
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

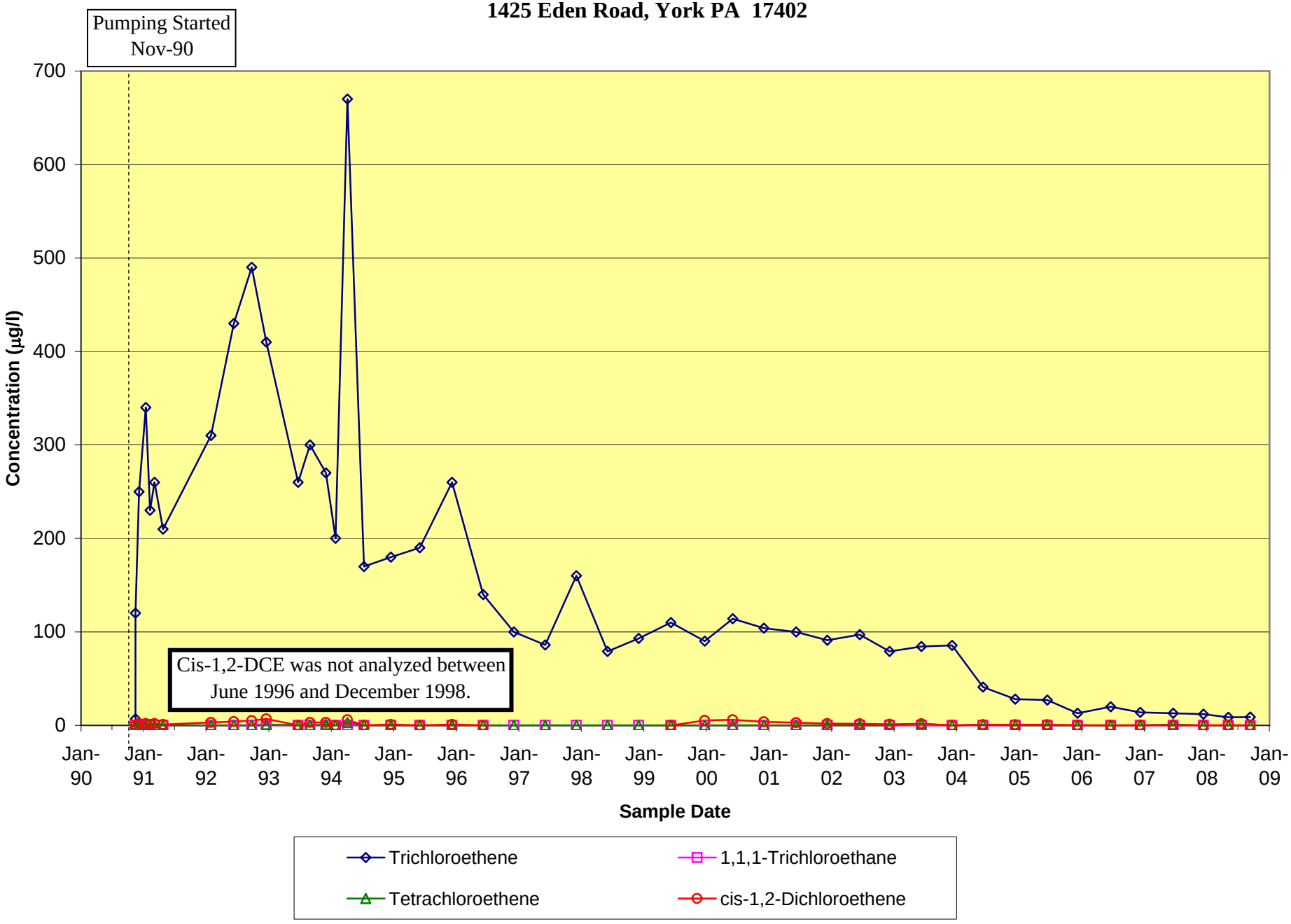

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Figure 5-11
Predominant VOC Concentrations - Extraction Well CW-7A
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

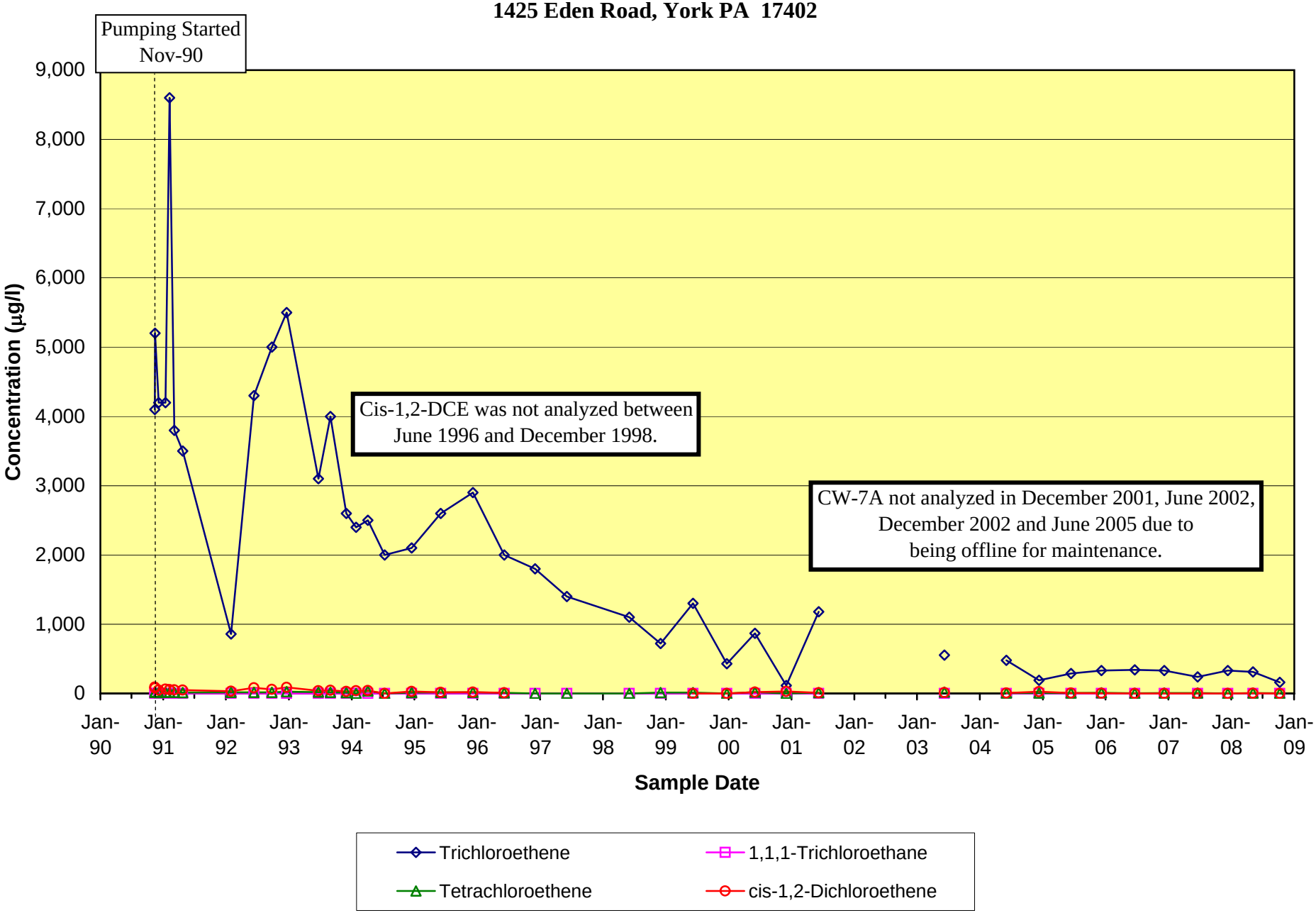

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Figure 5-12
TCE in NPBA Key Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

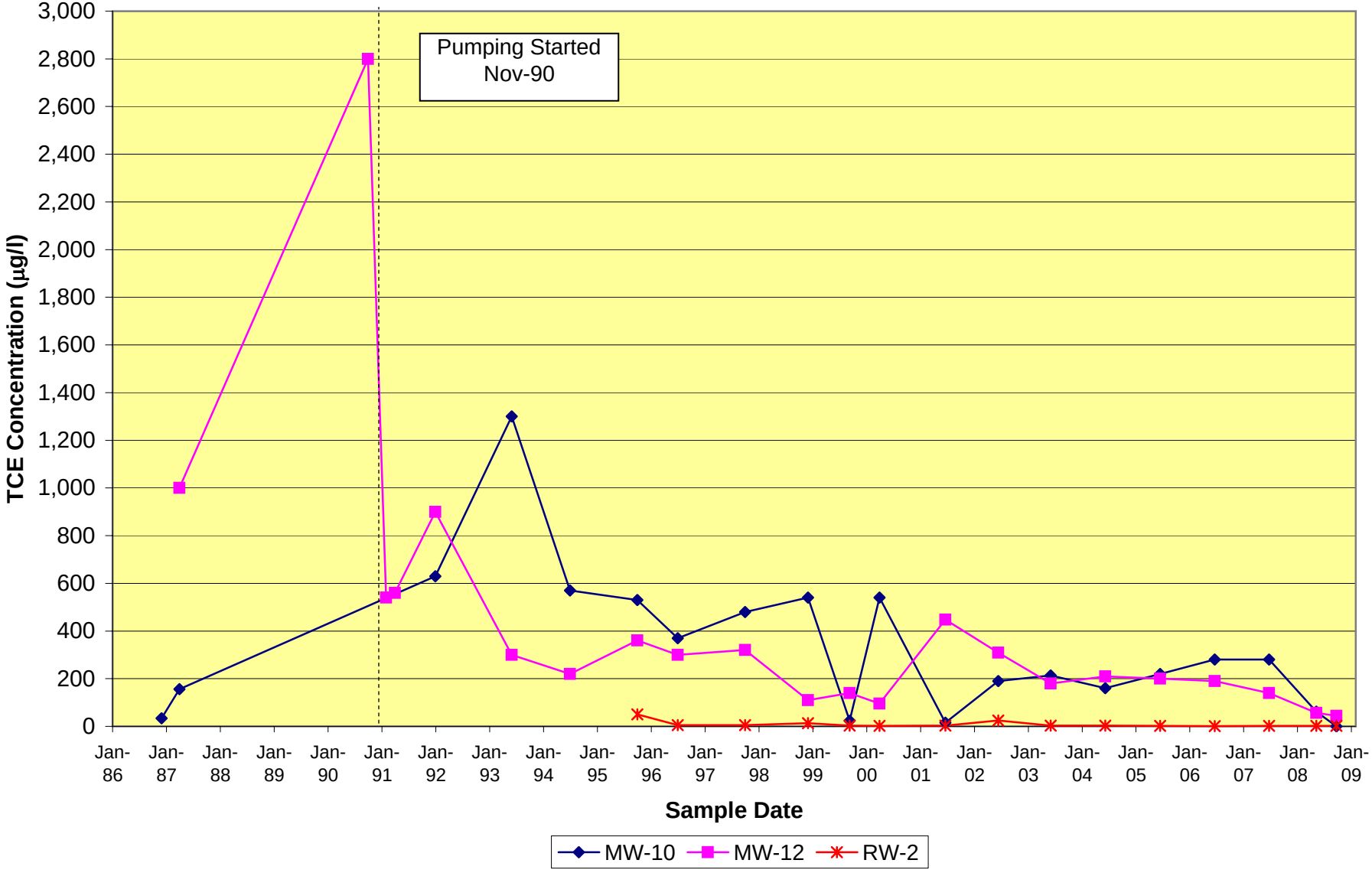

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Figure 6-1
TCA in TCA Tank Area Extraction Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

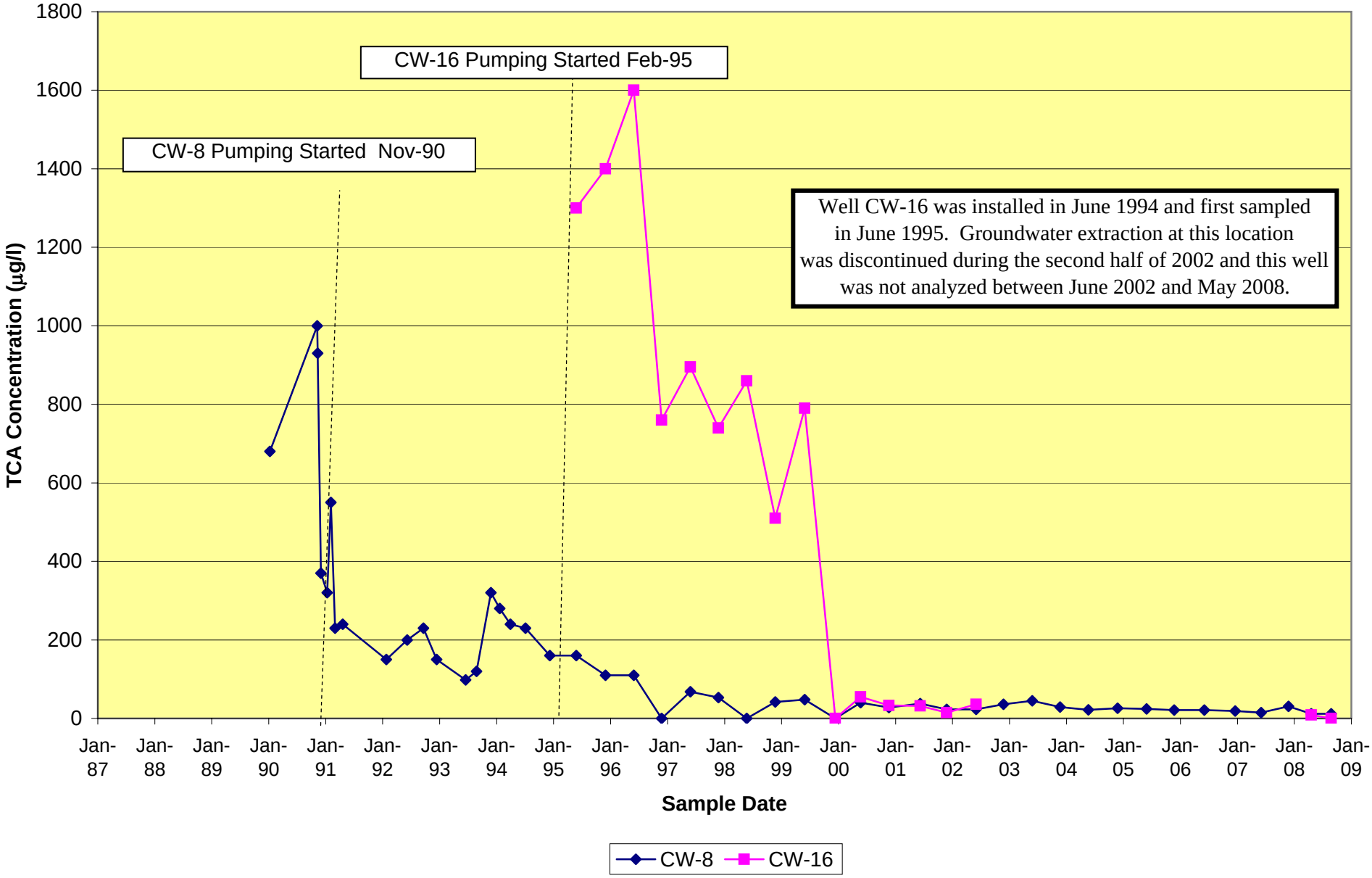

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Figure 6-2
TCA in TCA Tank Area Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

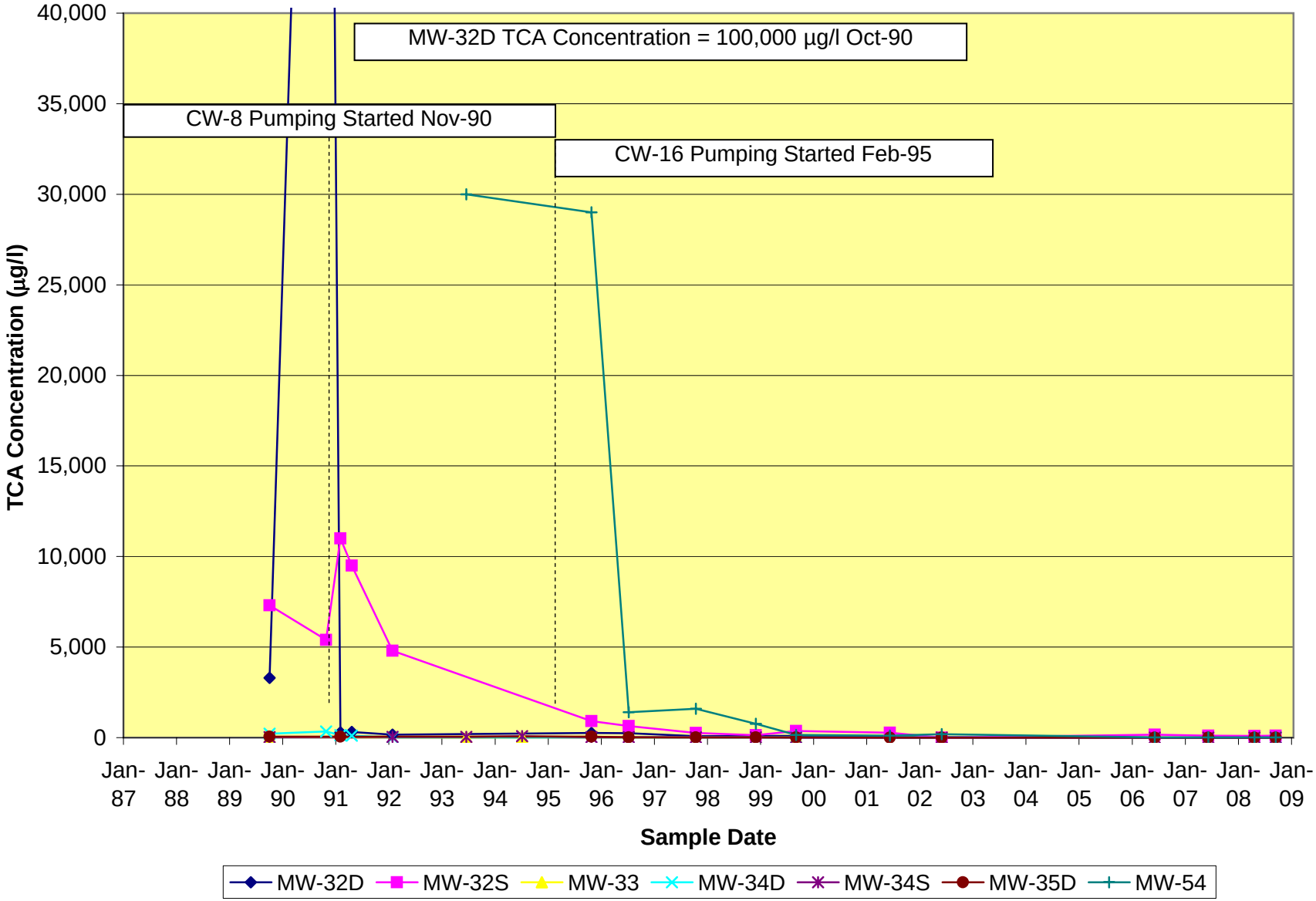

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Figure 6-3
TCE in TCA Tank Area Extraction Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

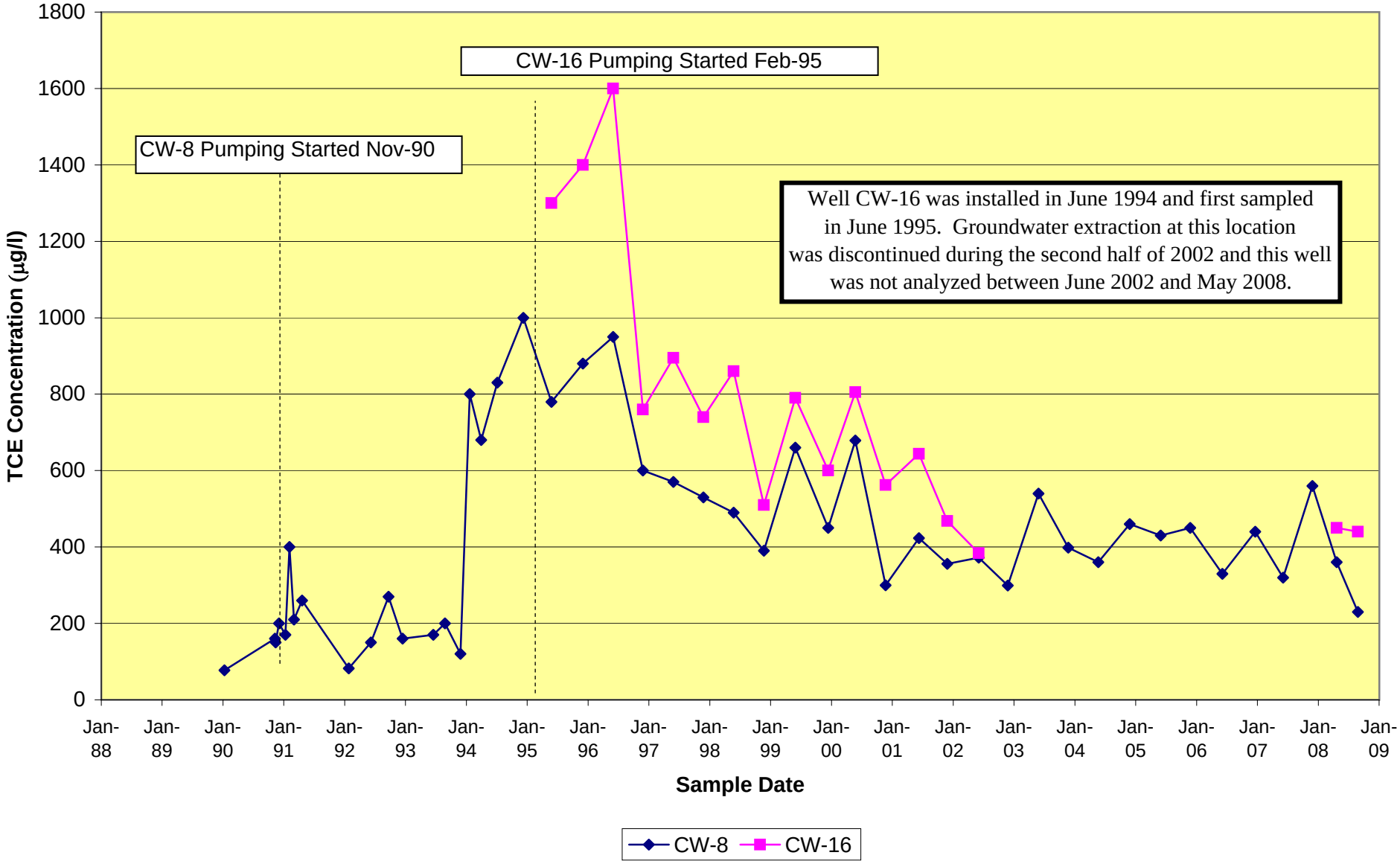

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Figure 6-4
Predominant VOC Concentrations - Extraction Well CW-8
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

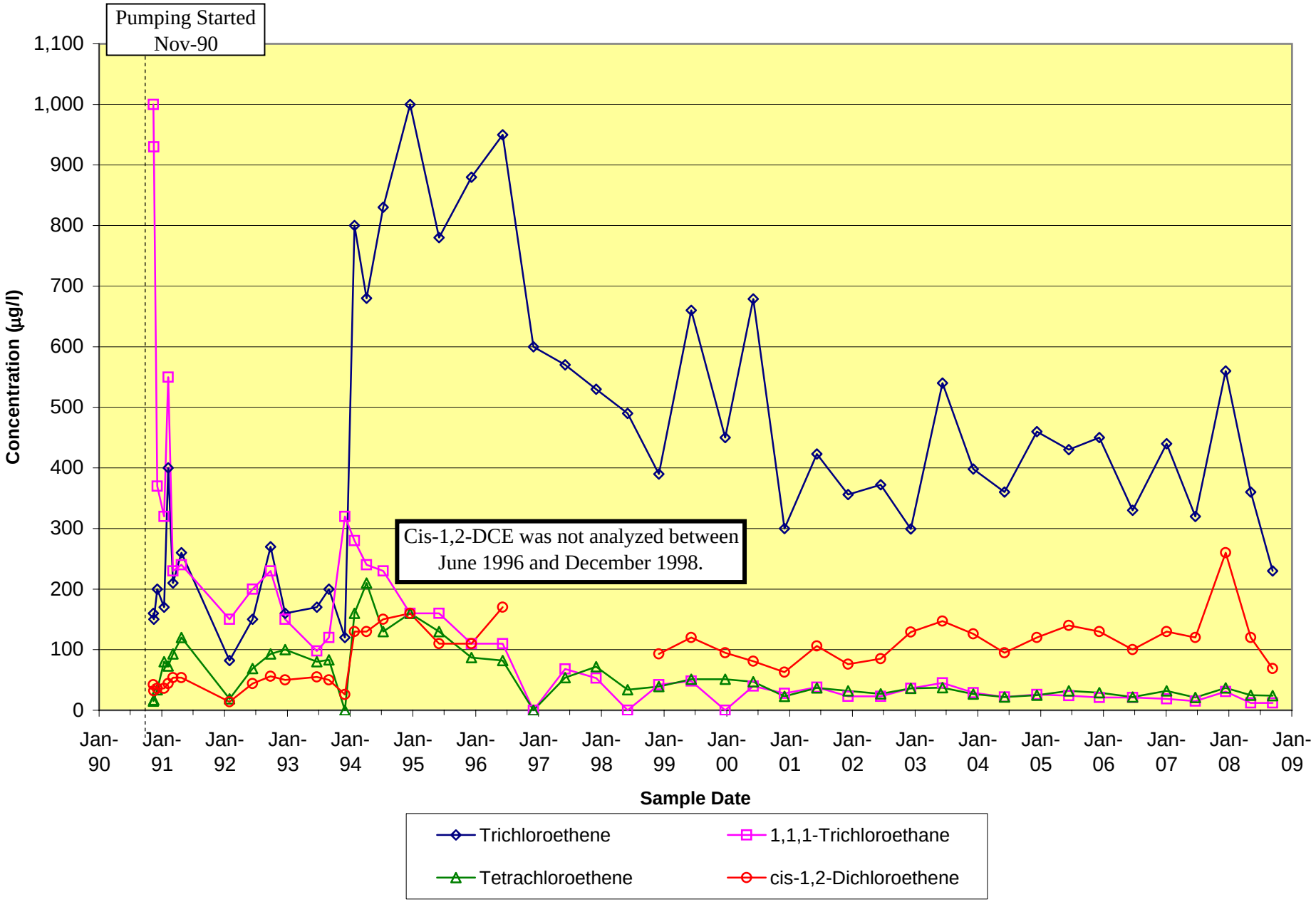

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Figure 6-5
TCE in TCA Area Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

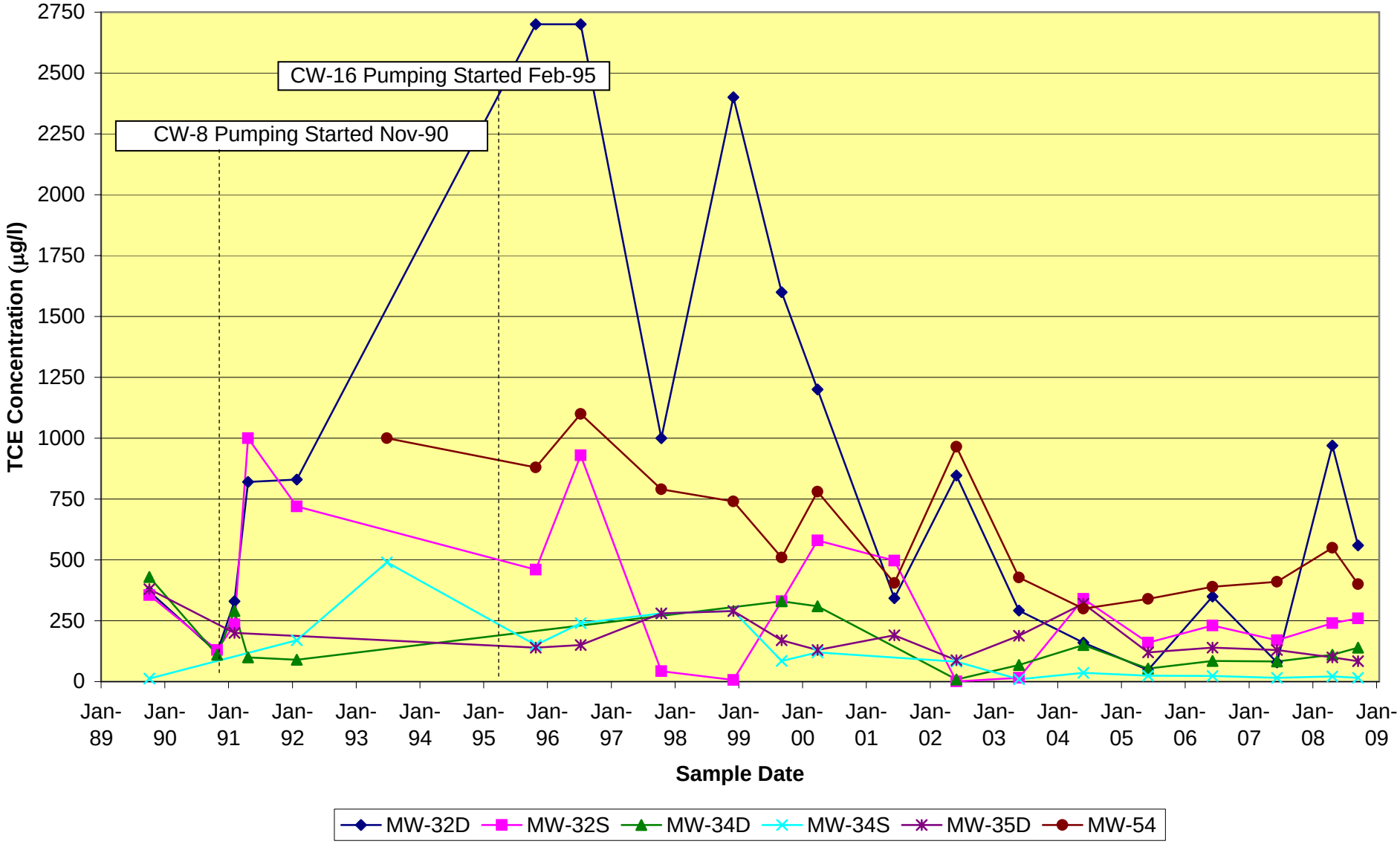

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Figure 7-1
TCE in WPL Extraction Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

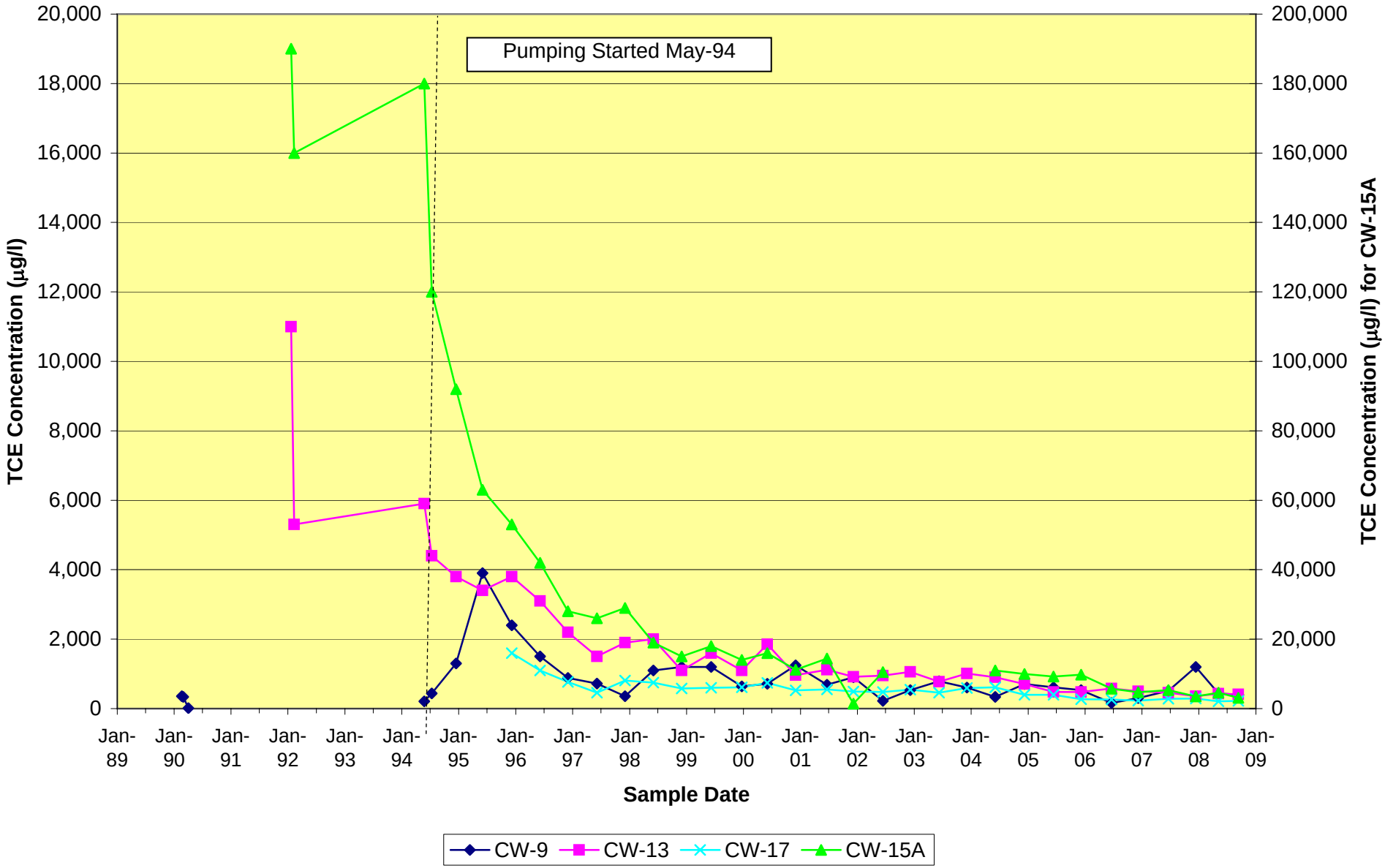

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Figure 7-2
Predominant VOC Concentrations - Extraction Well CW-9
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

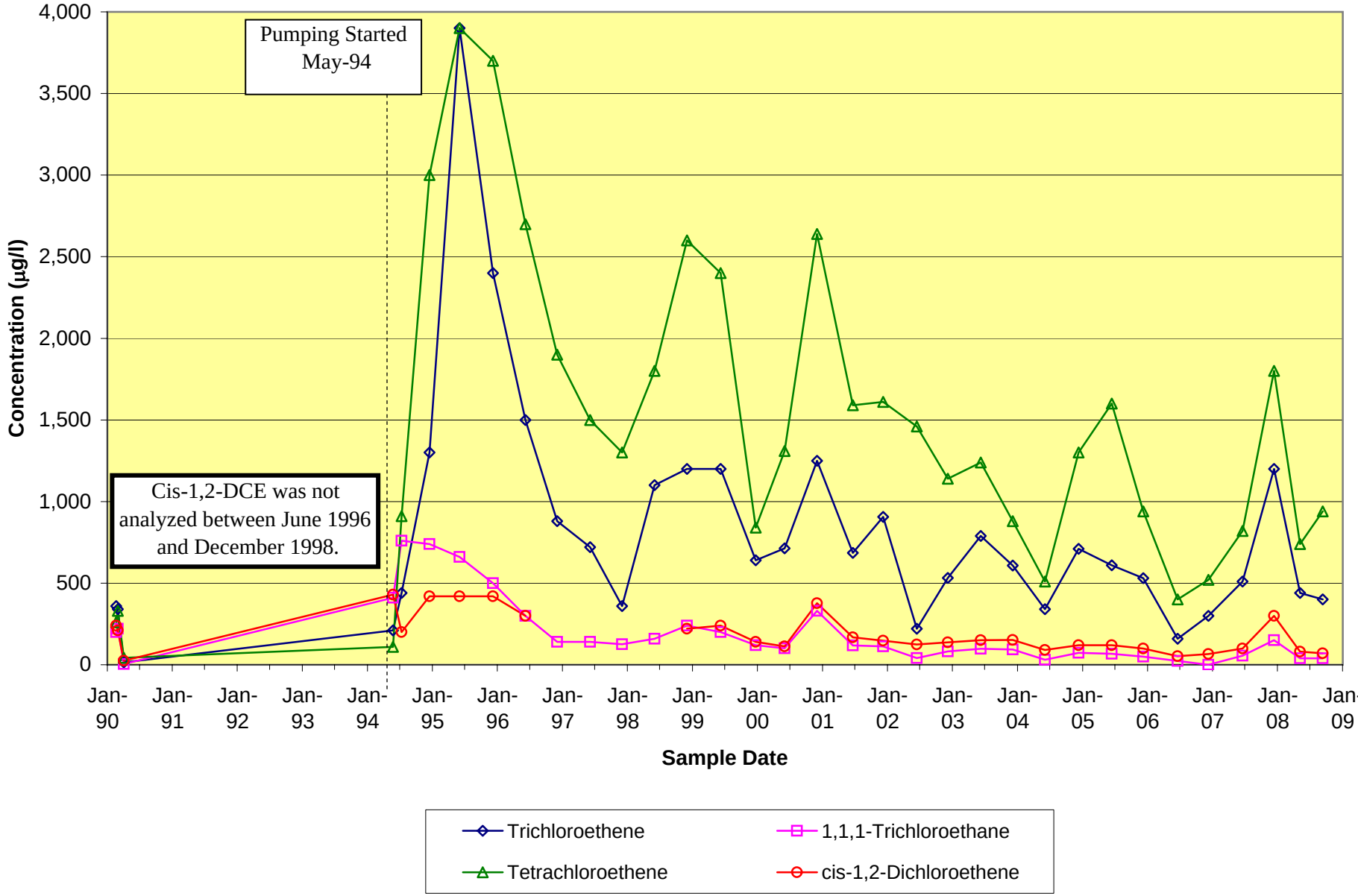

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Figure 7-3
Predominant VOC Concentrations - Extraction Well CW-13
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

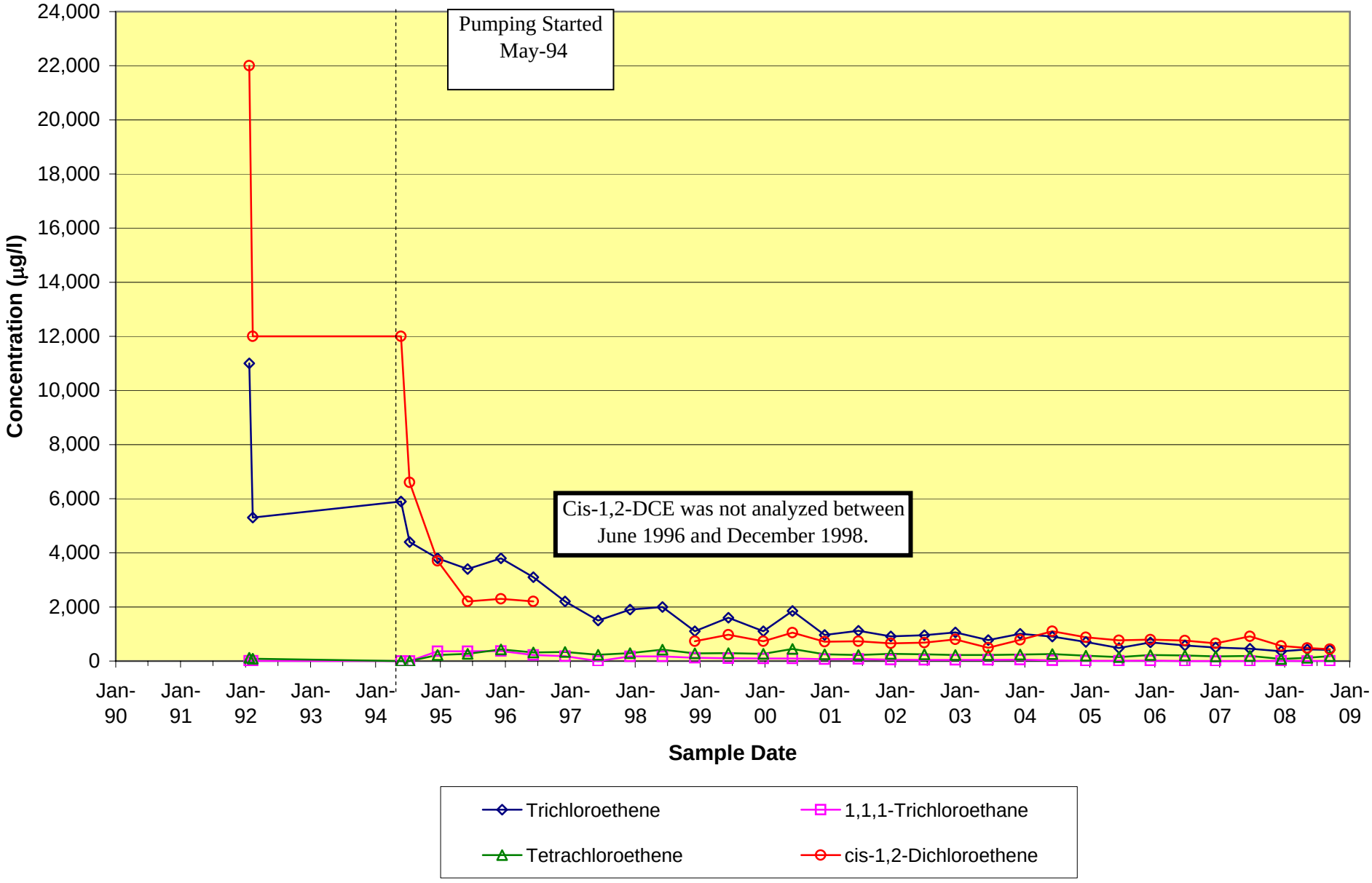

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Figure 7-4
Predominant VOC Concentrations - Extraction Well CW-15A
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

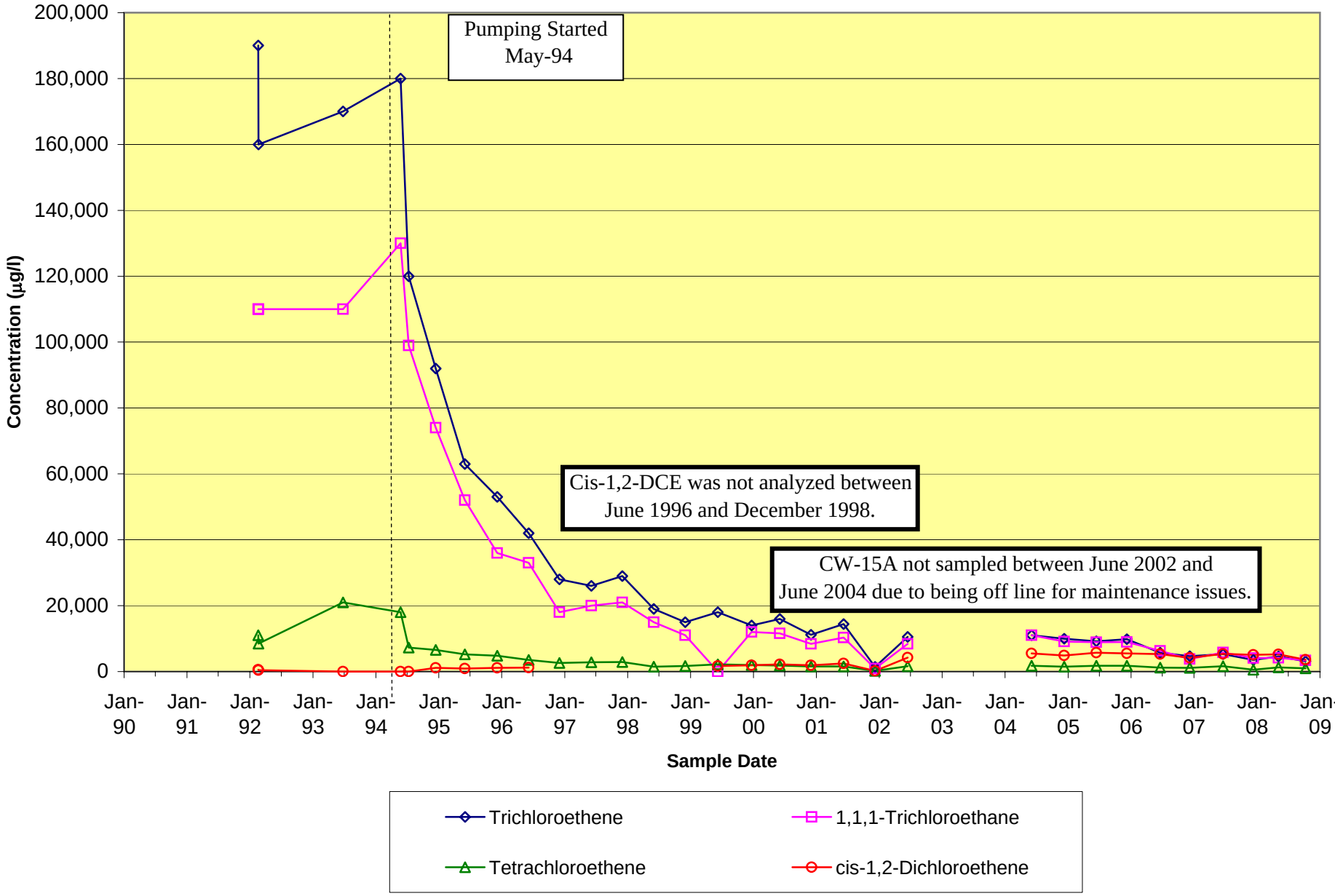

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Figure 7-5

Predominant VOC Concentrations
Extraction Wells CW-14 and CW-17
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

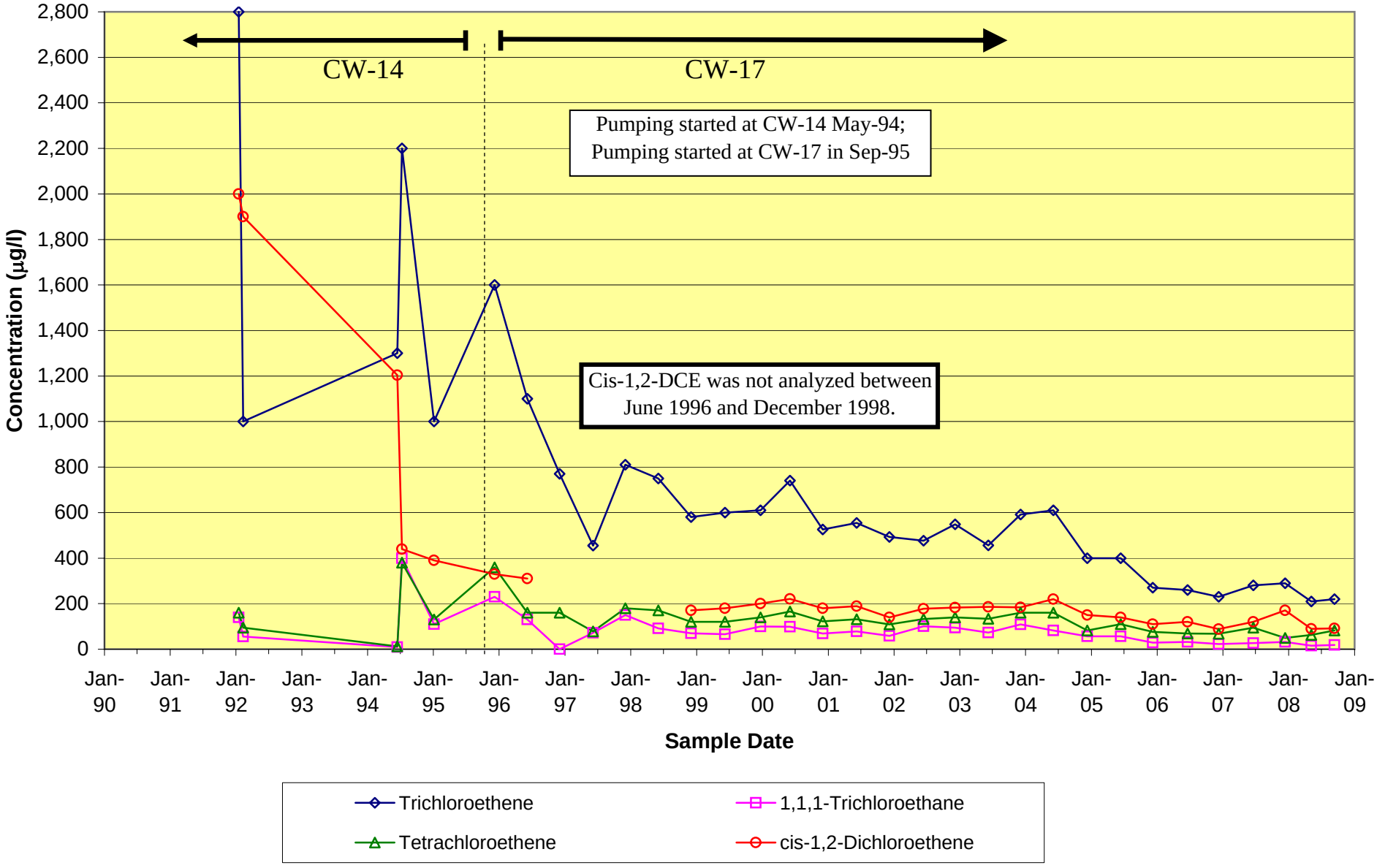

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Figure 7-6
TCE in Northern WPL Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

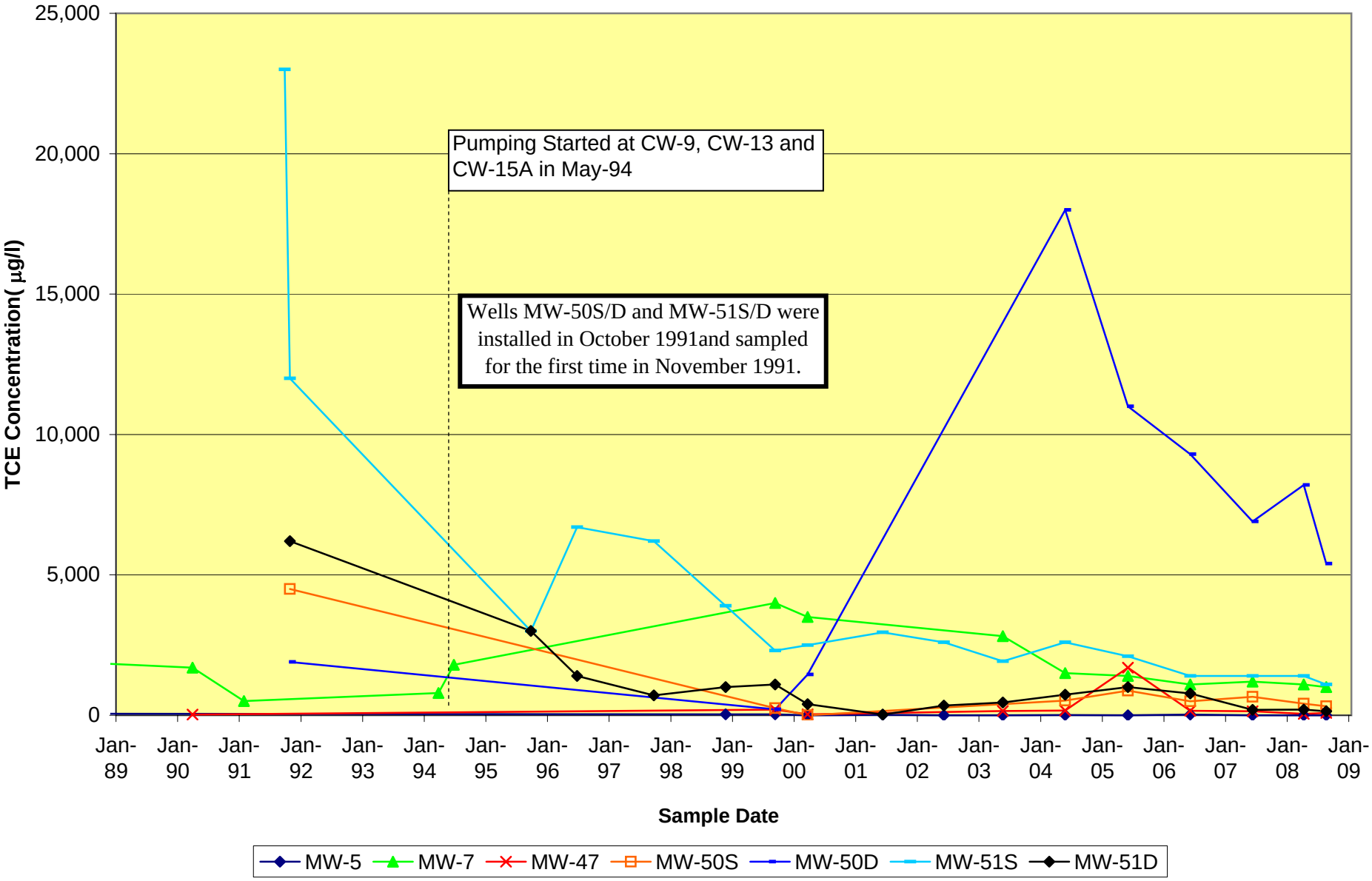

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Figure 7-7
TCE in Northern WPL Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

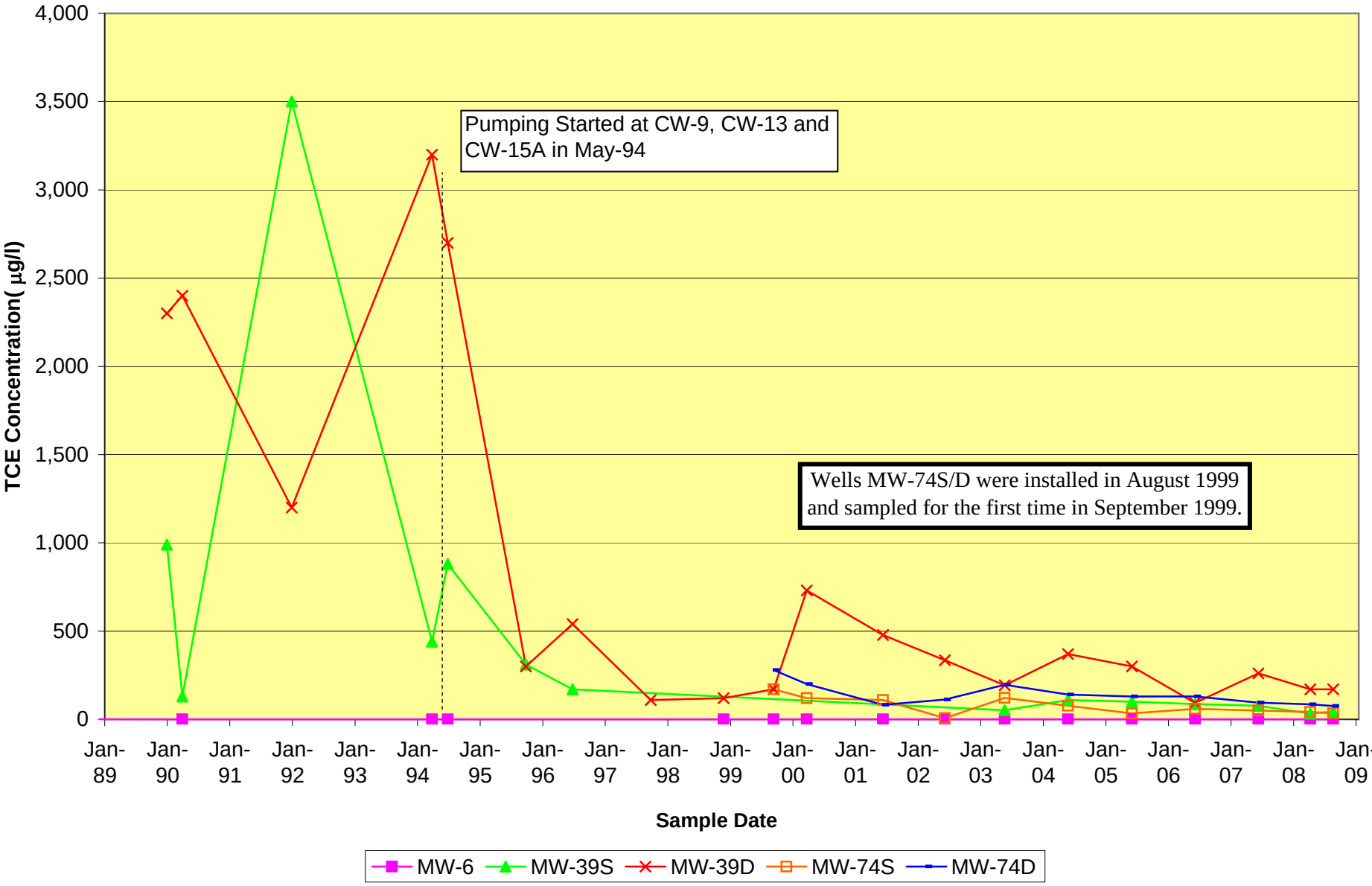

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Figure 7-8
TCE in Southern WPL Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

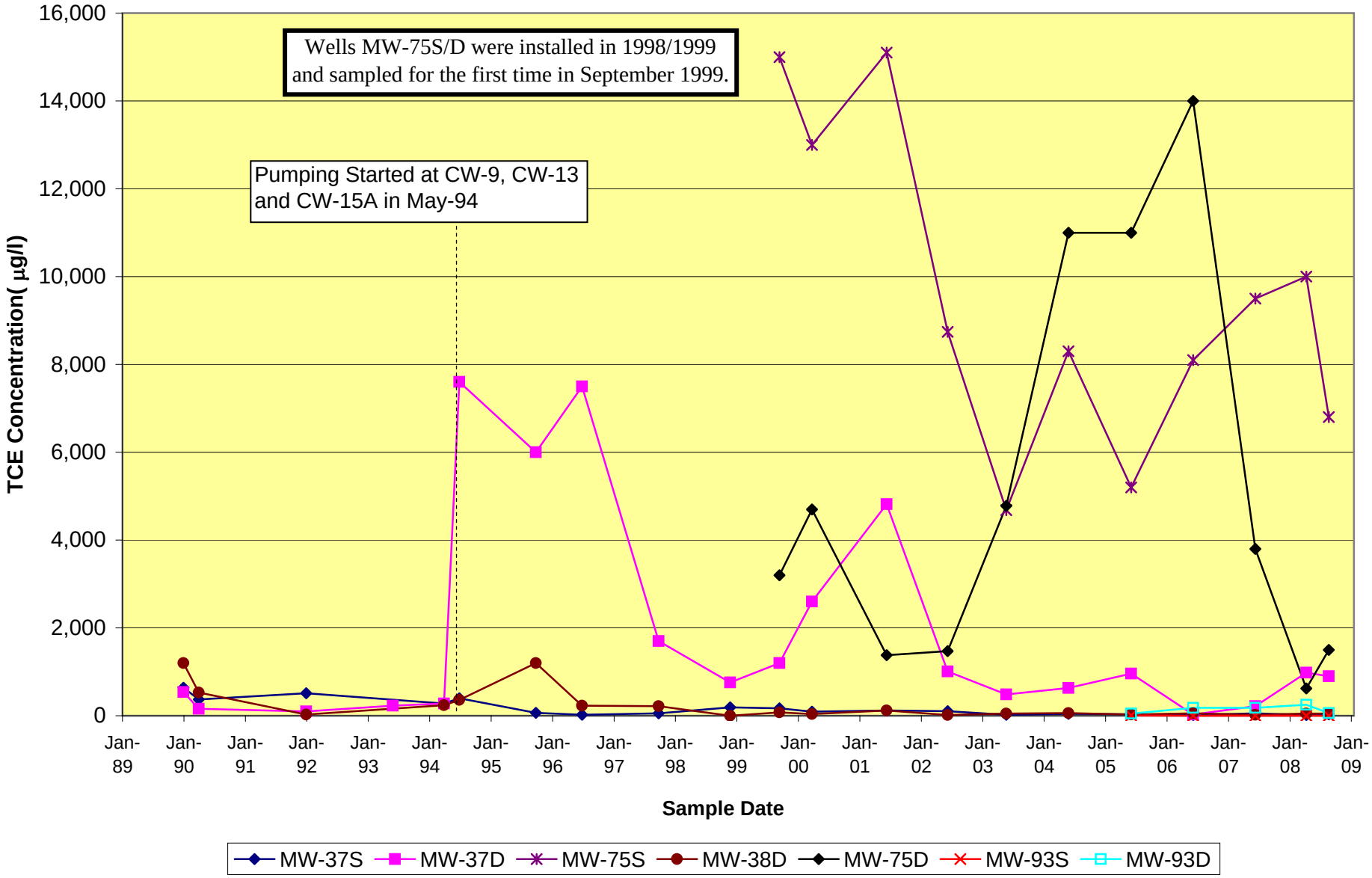

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Figure 7-9
PCE in Southern WPL Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

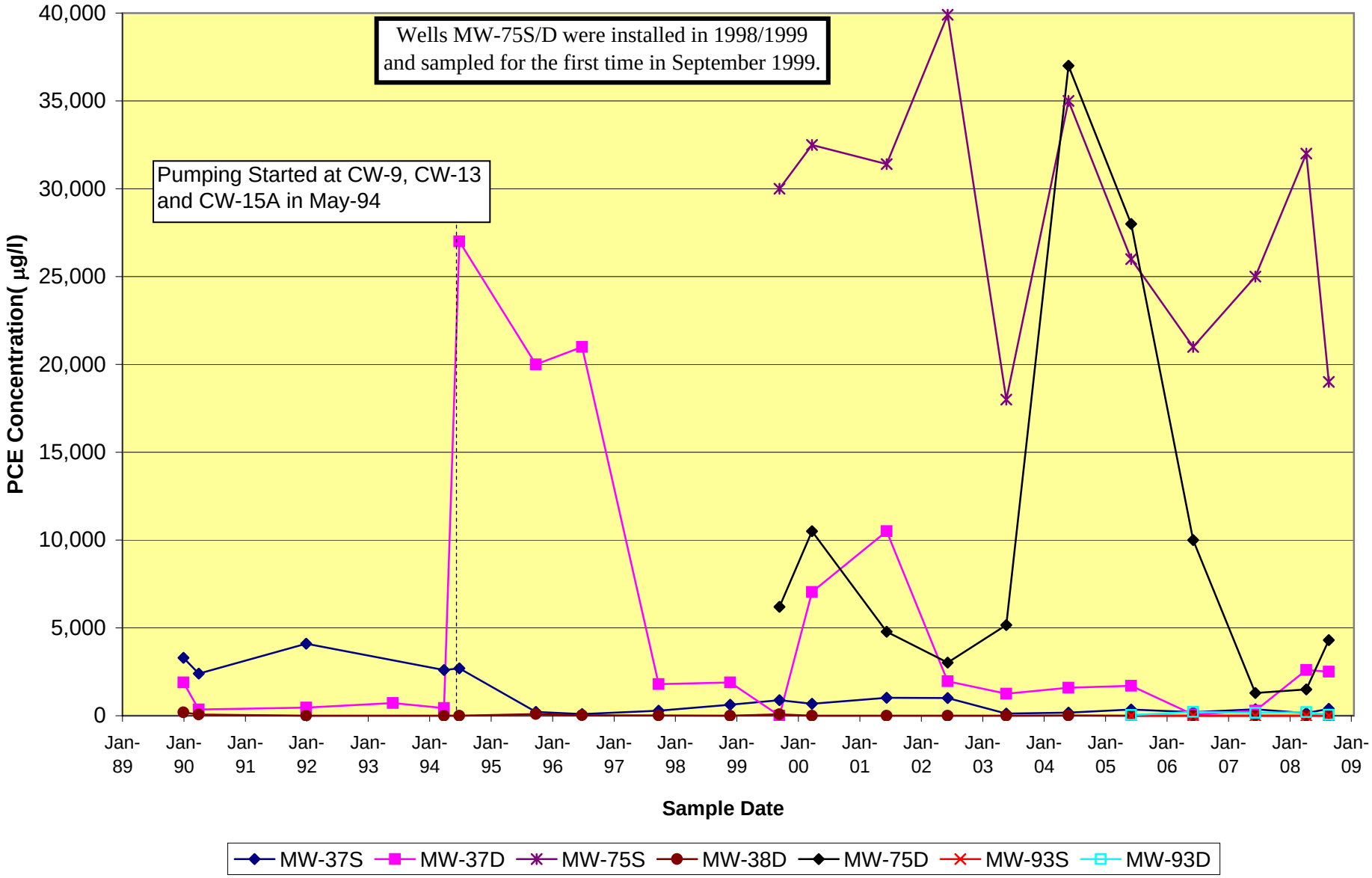

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Figure 9-1
TCE in SPBA Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

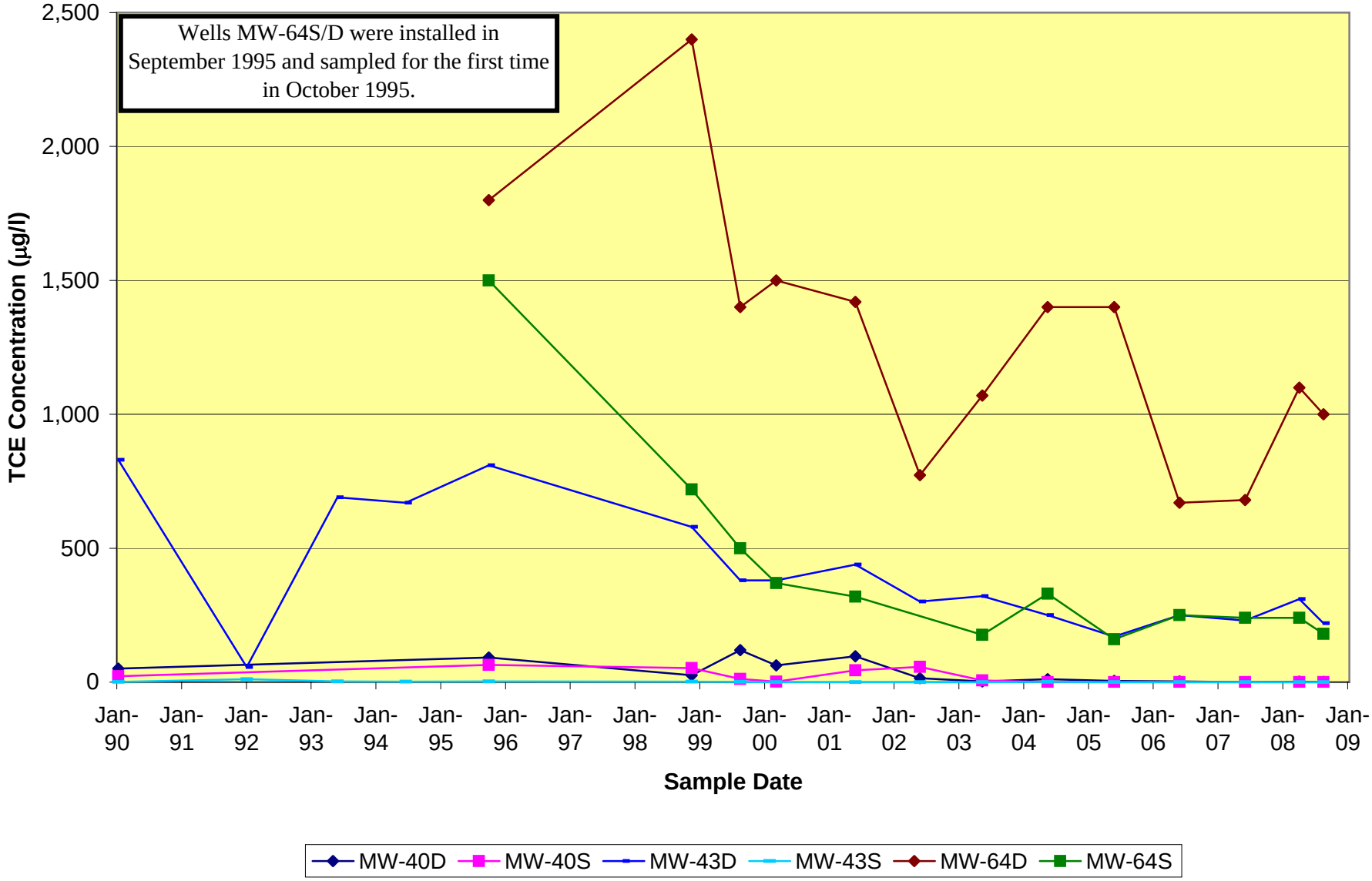

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Figure 10-1
PCE in Eastern Area Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

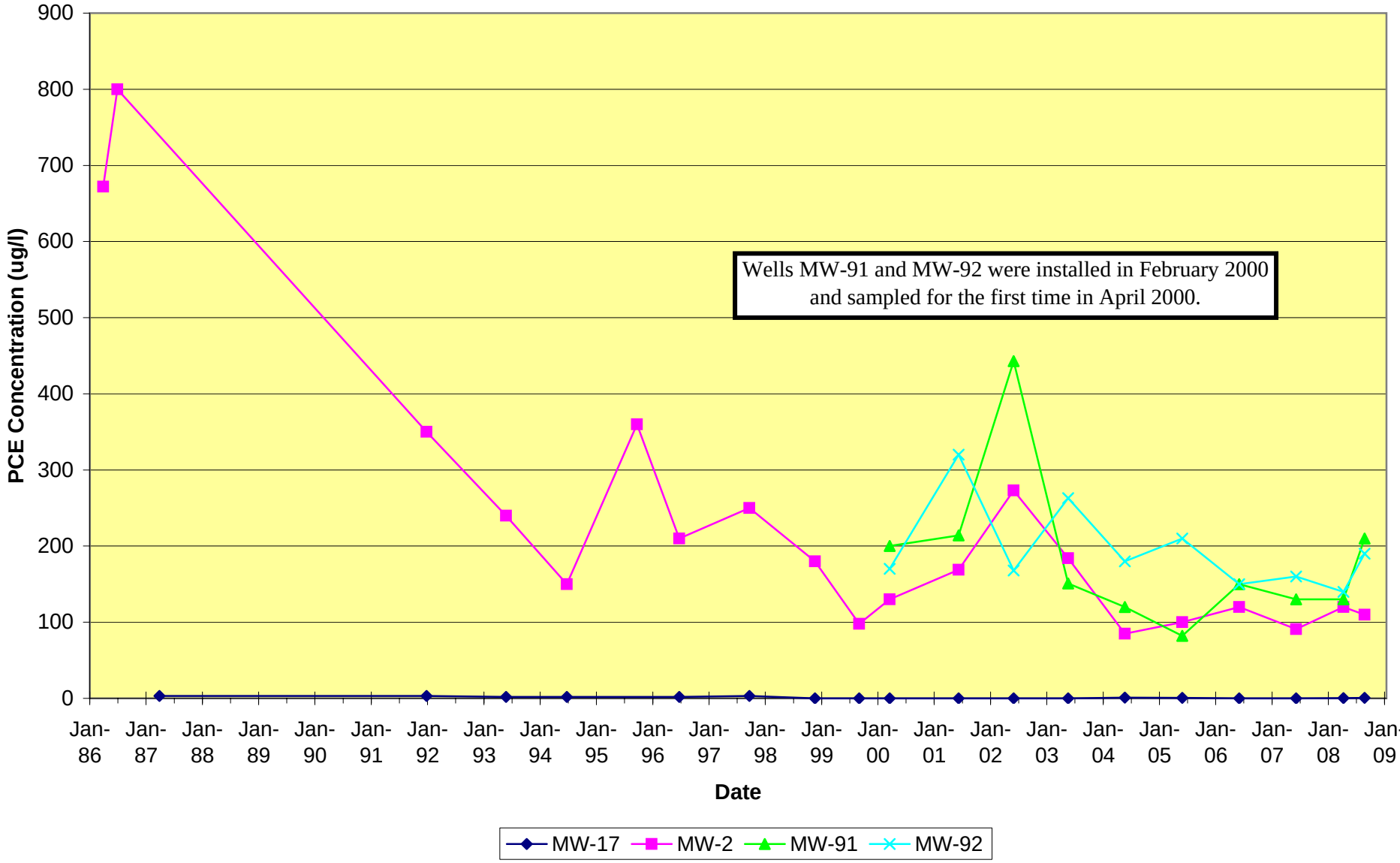

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Figure 10-2
TCE in Eastern Area Monitoring Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

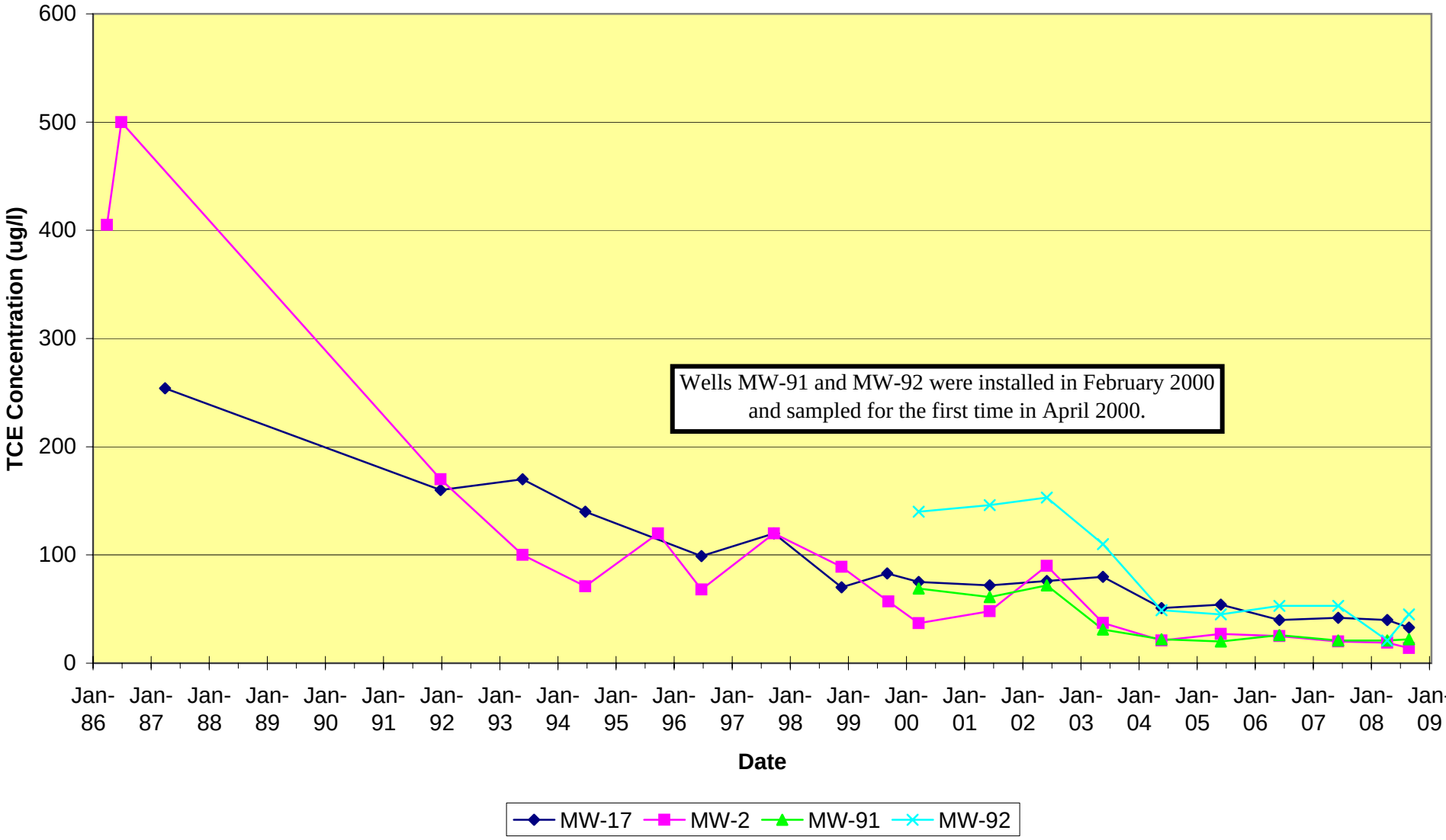

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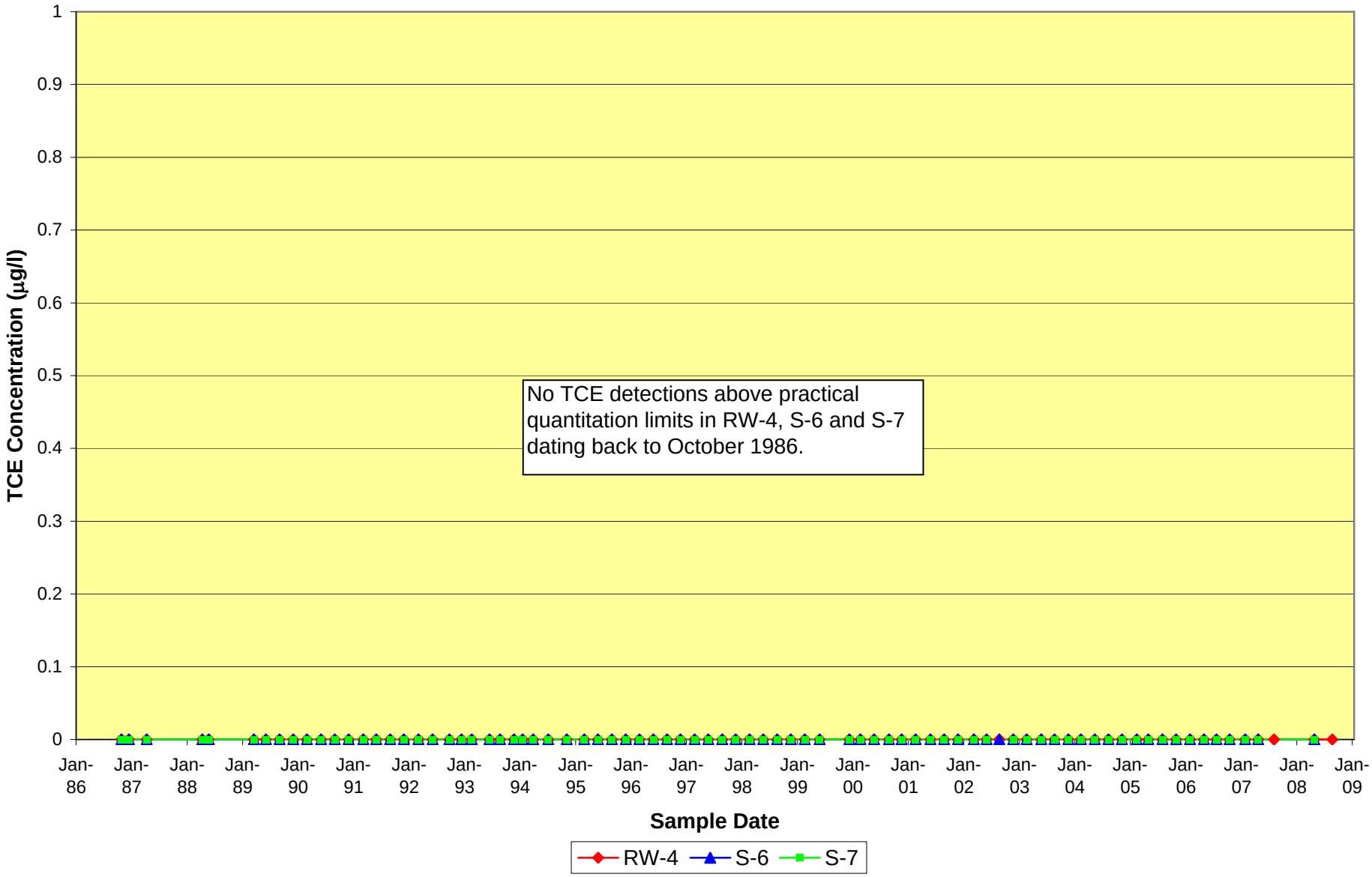
Figure 11-1
TCE in Off-Site Wells
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402



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TABLES

TABLE 3-1
MONTHLY PRECIPITATION COMPARISON
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Month	2008 Precipitation Amount (inches)	Normal Precipitation Amount (inches)
January	1.15	3.44
February	4.93	2.77
March	4.00	3.65
April	4.17	3.52
May	7.15	4.26
June	1.54	4.31
July	4.57	3.75
August	2.18	3.33
September	7.66	4.10
October	2.08	3.16
November	2.45	3.47
December	5.82	3.24
TOTALS:	47.70	43.00

Notes:
2008 Precipitation data collected by Harley-Davidson at its plant in York, PA
Normal precipitation data is for York, PA from Accuweather.com (determined in March 2004)

TABLE 3-2
ANNUAL HISTORICAL PRECIPITATION TOTALS
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Calendar Year	Annual Rainfall (inches)
1992	36.73
1993	51.33
1994	45.68
1995	50.51
1996	58.85
1997	33.60
1998	42.95
1999	38.43
2000	37.45
2001	27.93
2002	39.80
2003	55.3
2004	55.3
2005	40.62
2006	40.93
2007	37.52
2008	47.70

Notes:
Precipitation data for 1992 - 1997 from United States Geological Survey
Precipitation data for 1998 - 2002 from AccuWeather.com
Precipitation data for 2003 - 2008 from Harley-Davidson

TABLE 4-1
VOCs REMOVED FROM COLLECTED GROUNDWATER
JANUARY 1, 2008 - DECEMBER 31, 2008
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

DATE	MONTHLY GROUNDWATER WITHDRAWAL (PTA Totalizer, gallons)	AVERAGE MONTHLY TOTAL VOCs (ppb)		ESTIMATED MONTHLY VOC REMOVAL (pounds)
Jan-08	12,775,892	1184		126
Feb-08	12,918,686	1184	*	128
Mar-08	14,472,064	1184	*	143
Apr-08	13,982,890	1186		138
May-08	15,502,898	1186	*	154
Jun-08	14,161,026	1186	*	140
Jul-08	13,837,347	1213		140
Aug-08	13,538,679	1213	*	137
Sep-08	13,114,733	1213	*	133
Oct-08	11,248,748	1235		116
Nov-08	5,314,081	1235	*	55
Dec-08	14,474,611	1235	*	149
TOTAL	**155,341,655**	**NA**		**1,560**

ANNUAL TOTALS		
YEAR	YEARLY GROUNDWATER WITHDRAWAL (gallons)	ESTIMATED YEARLY VOC REMOVAL (pounds)
1990 (NOV & DEC)	12,954,886	92
1991	62,458,393	357
1992	66,081,120	322
1993	72,198,940	421
1994	88,387,251	3,905
1995	141,357,856	5,572
1996	152,168,899	3,631
1997	150,246,400	2,675
1998	157,461,800	2,795
1999	133,687,100	1,464
2000	152,839,477	1,785
2001	134,557,249	1,659
2002	121,290,897	1269
2003	153,097,508	1,599
2004	140,725,167	1,786
2005	134,503,508	1,550
2006	125,192,364	1,295
2007	149,331,940	1,734
2008	155,341,655	1,560
TOTAL	**2,303,882,409**	**35,471**

NOTES:
* - No sample collected this month; concentration is the most recent
NA - Not Applicable

TABLE 5-1
RECORD OF GROUNDWATER WITHDRAWALS
JANUARY 1, 2008 - DECEMBER 31, 2008
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

	NPBA WELLS (gallons)										TCA WELLS (gallons)		WPL WELLS (gallons)					Softail De-	MONTHLY
MONTH	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A	SUBTOTAL	CW-8	SUBTOTAL	CW-9	CW-13	CW-15A	CW-17	SUBTOTAL	Watering System	TOTAL
Jan-08	76,815	2,614	13,029	104,764	0	63,554	190,392	8,220	23,275	482,663	4,217,200	4,217,200	3,053,429	2,140,454	191,106	2,649,130	8,034,119	41,910	12,775,892
Feb-08	76,433	5,630	6,309	100,736	37,643	86,251	196,226	1,373	31,268	541,869	4,144,725	4,144,725	2,854,644	2,029,917	161,528	3,006,203	8,052,292	179,800	12,918,686
Mar-08	111,885	8,196	12,646	102,980	86,731	115,682	192,175	1,727	33,755	665,777	4,403,600	4,403,600	3,526,806	1,955,467	190,090	3,516,444	9,188,807	213,880	14,472,064
Apr-08	99,780	6,268	16,077	83,558	91,924	110,718	131,945	1,546	35,782	577,598	4,441,300	4,441,300	3,587,249	2,230,763	154,576	2,865,834	8,838,422	125,570	13,982,890
May-08	73,117	12,601	6,614	100,250	92,954	130,106	146,446	2,043	42,823	606,954	4,613,800	4,613,800	3,744,891	2,455,770	208,111	3,630,312	10,039,084	243,060	15,502,898
Jun-08	107,192	7,389	5,996	95,692	85,481	101,429	139,236	1,412	47,325	591,152	4,342,900	4,342,900	3,538,619	2,266,235	187,681	3,192,479	9,185,014	41,960	14,161,026
Jul-08	103,626	4,401	13,271	103,861	87,746	70,316	134,522	1,026	29,197	547,966	4,517,600	4,517,600	3,542,308	2,321,874	164,252	2,733,357	8,761,791	9,990	13,837,347
Aug-08	91,856	2,915	15,761	114,678	65,380	38,118	108,786	1,039	6,533	445,066	4,359,200	4,359,200	3,496,385	2,254,476	132,518	2,844,884	8,728,263	6,150	13,538,679
Sep-08	91,998	2,428	19,315	103,105	83,287	38,920	146,526	20,055	20,994	526,628	4,290,600	4,290,600	3,101,343	2,172,355	122,920	2,852,247	8,248,865	48,640	13,114,733
Oct-08	87,680	2,262	22,007	100,822	80,568	30,253	153,594	21,819	23,367	522,372	3,797,500	3,797,500	2,618,583	1,930,458	102,481	2,271,484	6,923,006	5,870	11,248,748
Nov-08	78,884	1,908	19,644	74,206	78,802	20,917	139,651	20,558	22,028	456,598	1,565,400	1,565,400	1,147,520	905,914	51,733	1,172,806	3,277,973	14,110	5,314,081
Dec-08	90,004	4,722	23,336	54,046	90,591	61,570	151,890	22,736	30,875	529,770	4,515,200	4,515,200	3,292,986	2,441,608	165,644	3,395,233	9,295,471	134,170	14,474,611
TOTALS	1,089,270	61,334	174,005	1,138,698	881,107	867,834	1,831,389	103,554	347,222	6,494,413	49,209,025	49,209,025	37,504,763	25,105,291	1,832,640	34,130,413	98,573,107	1,065,110	155,341,655

VALUES ARE IN GALLONS PER MONTH FOR EACH EXTRACTION WELL

TABLE 5-2
GROUNDWATER EXTRACTION WELL PUMPING ELEVATIONS
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Extraction System Location	Well No.	Reference Elevation (ft AMSL)	Range (ft AMSL)		Groundwater Elev. (ft AMSL)											
			Pump On (High)	Pump Off (Low)	17-Jan-08	28-Feb-08	20-Mar-08	17-Apr-08	15-May-08	19-Jun-08	24-Jul-08	14-Aug-08	2-Sep-08	17-Oct-08	25-Nov-08	23-Dec-08
NPBA	CW-1	570.07	495.57	492.57	498.46	497.05	494.48	492.64	500.64	490.40	491.59	492.44	488.43	494.02	505.65	494.42
	CW-1A	568.28	508.78	505.78	NM	511.57	506.48	506.74	508.39	507.03	508.64	510.26	504.78	509.80	507.95	500.30
	CW-2	556.95	483.45	480.45	482.09	479.40	482.41	480.65	482.40	479.12	481.42	478.98	484.55	479.48	481.00	480.34
	CW-3	518.66	440.66	437.66	439.82	437.03	436.74	440.13	440.30	436.15	436.96	439.27	440.61	442.43	479.02	436.51
	CW-4	541.55	458.05	455.05	NM	454.61	455.77	460.10	466.19	454.48	475.41	456.34	455.24	455.57	455.96	455.77
	CW-5	470.34	424.84	421.84	NM	450.33	450.35	424.69	450.23	421.36	421.39	422.77	420.81	423.49	421.49	422.78
	CW-6	484.67	415.57	412.57	414.45	412.52	423.14	414.25	414.06	414.06	415.39	414.05	414.59	419.39	413.78	408.56
	CW-7	573.78	493.28	490.28	486.50	493.73	490.22	493.29	491.67	492.25	486.21	485.13	490.82	486.47	490.87	486.57
	CW-7A	573.91	523.41	520.41	523.91	528.83	532.26	527.83	530.93	522.27	522.10	521.76	523.88	521.91	522.60	521.89
TCA	CW-8	362.70	341.34	337.34	335.75	339.21	340.12	337.62	340.85	337.90	338.72	335.99	336.16	335.71	337.61	338.98
WPL	CW-9	356.82	333.79	328.79	325.07	333.40	332.24	329.26	333.95	329.93	NM	NM	330.64	329.87	331.67	333.14
	CW-13	358.85	327.60	322.60	332.24	329.74	329.74	327.76	328.30	327.85	327.85	326.90	328.38	325.94	327.54	326.80
	CW-15A	361.40	333.50	328.50	324.55	336.64	327.09	332.75	327.81	328.00	336.89	328.49	324.45	326.22	331.95	327.12
	CW-17	358.70	336.37	331.47	NM	NM	333.89	333.75	334.55	333.58	326.72	NM	333.37	332.85	NM	333.92

Notes:
ft AMSL - feet above mean sea level
NM - Not Measured

TABLE 5-3
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
NORTHEAST PROPERTY BOUNDARY AREA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCE Jun-07 (µg/l)	TCE May-08 (µg/l)	TCE%* May-08	PCE Jun-07 (µg/l)	PCE May-08 (µg/l)	PCE%* May-08
CW-1	N.D.	63	84.0	N.D.	N.D.	N.D.
CW-1A	N.D.	52	100.0	N.D.	N.D.	N.D.
CW-2	20	22	86.3	N.D.	N.D.	N.D.
CW-3	35	16	43.2	N.D.	N.D.	N.D.
CW-4	31	66	66.7	N.D.	4	4.0
CW-5	7.6	1.1	39.3	N.D.	1.7	60.7
CW-6	43	22	16.9	160	70	53.8
CW-7	13	8.6	100.0	N.D.	N.D.	N.D.
CW-7A	240	310	100.0	N.D.	N.D.	N.D.
MW-10	280	62	19.3	N.D.	N.D.	N.D.
MW-12	140	56	96.4	N.D.	2.1	3.6
RW-2	N.D.	1.7	100.0	N.D.	N.D.	N.D.

* - Represents the percent of the total volatile organic compound concentration.
N.D. - Not Detected above laboratory reporting limit
N.S. - Not Sampled, well not pumping water at time of collection
(µg/l) - Micrograms per liter
TCE - trichloroethene
PCE - tetrachloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection.
CW-4 was not sampled in June 2007; results are from December 2007.

TABLE 6-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
TCA TANK AREA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCA Jun-07 (µg/l)	TCA May-08 (µg/l)	TCE Jun-07 (µg/l)	TCE May-08 (µg/l)	PCE Jun-07 (µg/l)	PCE May-08 (µg/l)	DCE** Jun-07 (µg/l)	DCE** May-08 (µg/l)
CW-8	N.D.	N.D.	320	360	N.D.	25	120	120
MW-32S	110	100	170	240	16	22	50	74
MW-32D	N.D.	N.D.	79	970	6.2	56	110	450
MW-34S	N.D.	N.D.	16	21	N.D.	4.3	7.2	6.9
MW-34D	N.D.	N.D.	83	110	10	11	39	31
MW-35D	N.D.	N.D.	130	100	16	7.8	58	39
MW-54	N.D.	N.D.	410	550	50	75	150	160

Wells	% TCA* May-08	% TCE* May-08	% PCE* May-08	% DCE* May-08
CW-8	N.D.	71.3	5.0	23.8
MW-32S	22.2	53.2	4.9	16.4
MW-32D	N.D.	62.9	3.6	29.2
MW-34S	N.D.	62.1	12.7	20.4
MW-34D	N.D.	72.4	7.2	20.4
MW-35D	N.D.	68.1	5.3	26.6
MW-54	N.D.	62.4	8.5	18.1

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.A. - Not Analyzed
N.D. - Not Detected above laboratory reporting limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection, with the exception of the 2007 PCE results for the following: MW-32S, MW-35D and MW-54. This is due to the fact data validation efforts resulted in these values being flagged as a J, and not the internal lab validation efforts.

TABLE 7-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
WEST PARKING LOT
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCA Jun-07 (µg/l)	TCA May-08 (µg/l)	TCE Jun-07 (µg/l)	TCE May-08 (µg/l)	PCE Jun-07 (µg/l)	PCE May-08 (µg/l)	DCE** Jun-07 (µg/l)	DCE** May-08 (µg/l)
CW-9	55	39	510	440	820	740	100	81
CW-13	N.D.	N.D.	460	430	190	120	910	480
CW-15A	5,800	4,200	5,300	4,600	1,600	1,300	5,400	5,200
CW-17	27	15	280	210	95	63	120	89
MW-5	N.D.	N.D.	N.D.	1.1	N.D.	N.D.	N.D.	2.2
MW-6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW-7	96	96	1,200	1,100	700	480	310	290
MW-37S	53	12	56	14	370	150	73	N.D.
MW-37D	98	390	220	980	290	2,600	80	140
MW-38D	N.D.	N.D.	23	49	N.D.	2.1	10	15
MW-39S	N.D.	N.D.	77	32	22	5.9	26	8.5
MW-39D	N.D.	N.D.	260	170	27	N.D.	120	67
MW-47	N.D.	N.D.	140	48	40	42	65	20
MW-50S	N.D.	N.D.	660	410	51	23	430	330
MW-50D	N.D.	N.D.	6,900	8,200	740	800	5,000	6,700
MW-51S	82	N.D.	1,400	1,400	1,300	1,600	660	600
MW-51D	N.D.	N.D.	190	200	8.2	11	88	160
MW-74S	N.D.	N.D.	50	42	N.D.	5	40	24
MW-74D	N.D.	N.D.	95	85	8.7	6	49	23
MW-75S	N.D.	N.D.	9,500	10,000	25,000	32,000	N.D.	N.D.
MW-75D	N.D.	N.D.	3,800	620	1,300	1,500	840	62
MW-93S	N.D.	N.D.	N.D.	1.8	N.D.	2.8	N.D.	1.4
MW-93D	37	13	180	250	170	200	37	25

Wells	% TCA* May-08	% TCE* May-08	% PCE* May-08	% DCE* May-08
CW-9	3.0	33.8	56.9	6.2
CW-13	N.D.	41.7	11.7	46.6
CW-15A	25.6	28.0	7.9	31.7
CW-17	3.9	54.0	16.2	22.9
MW-5	N.D.	33.3	N.D.	66.7
MW-6	N.D.	N.D.	N.D.	N.D.
MW-7	4.7	53.4	23.3	14.1
MW-37S	6.8	8.0	85.2	N.D.
MW-37D	9.5	23.8	63.3	3.4
MW-38D	N.D.	74.1	3.2	22.7
MW-39S	N.D.	69.0	12.7	18.3
MW-39D	N.D.	71.7	N.D.	28.3
MW-47	N.D.	43.6	38.2	18.2
MW-50S	N.D.	53.7	3.0	43.3
MW-50D	N.D.	45.2	4.4	36.9
MW-51S	N.D.	38.0	43.4	16.3
MW-51D	N.D.	51.3	2.8	41.0
MW-74S	N.D.	59.2	7.0	33.8
MW-74D	N.D.	74.6	5.3	20.2
MW-75S	N.D.	23.8	76.2	N.D.
MW-75D	N.D.	28.4	68.7	2.8
MW-93S	N.D.	24.0	37.3	18.7
MW-93D	2.7	51.2	41.0	5.1

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.D. - Not Detected above method detection limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection, with the exception of the 2007 PCE results for the following: MW-39S, MW-39D and MW-93D. This is due to the fact data validation efforts resulted in these values being flagged as a J, and not the internal lab validation efforts.

APPENDIX A

Data Tables

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Well	2008 Reference Elevation (ft AMSL)	4/21/2008		9/2/2008	
		Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)
CODORUS 1	379.69	35.89	343.80	40.55	339.14
CODORUS 2	341.63	OG	OG	0.02	338.31
Cole B	363.75	12.93	350.82	15.02	348.73
Cole D	370.13	13.96	356.17	19.11	351.02
Cole E deep	369.17	15.90	353.27	19.59	349.58
Cole E shallow	369.54	16.45	353.09	20.00	349.54
Cole F	370.39	17.66	352.73	20.87	349.52
Flush - Cole	361.92	11.19	350.73	13.32	348.60
MW-4 (Cole)	367.21	15.98	351.23	18.22	348.99
CW-1	570.07	78.40	491.67	81.64	488.43
CW-2	556.95	77.30	479.65	72.40	484.55
CW-3	518.66	82.69	435.97	78.05	440.61
CW-4	541.55	86.76	454.79	86.31	455.24
CW-5	470.34	36.00	434.34	49.53	420.81
CW-6	484.67	72.50	412.17	70.08	414.59
CW-7	573.78	87.33	486.45	82.96	490.82
CW-7A	573.91	47.16	526.75	50.03	523.88
CW-8	362.70	24.32	338.38	26.54	336.16
CW-9	356.82	26.08	330.74	26.18	330.64
CW-13	358.85	31.10	327.75	30.47	328.38
CW-14	358.92	25.14	333.78	25.61	333.31
CW-15	361.48	19.57	341.91	21.65	339.83
CW-15A	361.40	30.75	330.65	36.95	324.45
CW-16	364.60	21.38	343.22	24.08	340.52
CW-17	358.70	24.94	333.76	25.33	333.37
CW-18	364.72	19.28	345.44	21.43	343.29
CW-19	384.94	D	D	D	D
CW-1A	568.28	60.43	507.85	63.50	504.78
CW-20	361.49	22.96	338.53	25.36	336.13
SOFTAIL LIFT STATION	392.60	23.70	368.90	23.53	369.07
MW-1	380.73	35.55	345.18	38.11	342.62
MW-2	508.88	63.55	445.33	68.25	440.63
MW-3	541.10	62.59	478.51	66.63	474.47
MW-5	369.71	23.67	346.04	26.05	343.66
MW-6	359.62	19.44	340.18	20.76	338.86
MW-7	359.48	25.48	334.00	25.92	333.56
MW-8	358.09	19.80	338.29	21.90	336.19
MW-9	558.78	50.60	508.18	53.15	505.63
MW-10	567.80	54.40	513.40	57.62	510.18
MW-11	563.08	28.31	534.77	32.46	530.62
MW-12	535.93	39.10	496.83	43.02	492.91
MW-14	519.54	30.87	488.67	34.22	485.32
MW-15	524.09	61.10	462.99	61.92	462.17
MW-16D	516.51	10.00	506.51	13.18	503.33
MW-16S	516.60	34.14	482.46	41.92	474.68
MW-17	456.86	11.92	444.94	13.77	443.09
MW-18D	464.19	19.41	444.78	19.53	444.66
MW-18S	464.12	17.90	446.22	19.00	445.12
MW-19	427.36	21.22	406.14	23.40	403.96
MW-20D	573.85	45.25	528.60	48.51	525.34
MW-20M	574.19	43.47	530.72	48.05	526.14
MW-20S	574.05	43.48	530.57	48.31	525.74
MW-22	447.57	57.86	389.71	62.41	385.16
MW-26	376.46	22.27	354.19	25.78	350.68
MW-27	361.29	17.12	344.17	19.24	342.05

NOTES:
A = Artesian Well.
D = Well was Dry.
OG = Water was Over Staff Gauge
Blue shading indicates active extraction well.

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Well	2008 Reference Elevation (ft AMSL)	4/21/2008		9/2/2008	
		Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)
MW-28	362.91	19.83	343.08	22.55	340.36
MW-29	364.77	13.40	351.37	13.60	351.17
MW-30	362.26	15.62	346.64	17.88	344.38
MW-31D	369.30	17.56	351.74	20.54	348.76
MW-31S	369.28	17.45	351.83	20.36	348.92
MW-32D	362.57	19.31	343.26	22.00	340.57
MW-32S	362.44	19.49	342.95	22.17	340.27
MW-33	363.94	20.63	343.31	23.39	340.55
MW-34D	361.00	18.01	342.99	20.66	340.34
MW-34S	361.00	18.00	343.00	20.58	340.42
MW-35D	360.60	17.58	343.02	20.23	340.37
MW-35S	360.49	18.20	342.29	D	D
MW-36D	370.96	25.13	345.83	27.48	343.48
MW-36S	370.95	25.08	345.87	27.22	343.73
MW-37D	359.11	20.70	338.41	21.97	337.14
MW-37S	359.13	18.50	340.63	20.28	338.85
MW-38D	358.62	20.38	338.24	21.38	337.24
MW-39D	360.21	21.19	339.02	23.01	337.20
MW-39S	360.14	21.92	338.22	22.72	337.42
MW-40D	374.65	25.89	348.76	32.07	342.58
MW-40S	374.69	25.33	349.36	31.98	342.71
MW-43D	380.08	32.38	347.70	35.46	344.62
MW-43S	379.76	31.96	347.80	35.19	344.57
MW-45	359.91	17.14	342.77	19.59	340.32
MW-46	359.19	16.45	342.74	18.94	340.25
MW-47	360.57	20.74	339.83	22.33	338.24
MW-49D	361.44	18.43	343.01	19.59	341.85
MW-49S	361.45	19.06	342.39	21.00	340.45
MW-50D	360.41	20.69	339.72	22.67	337.74
MW-50S	360.40	21.66	338.74	22.53	337.87
MW-51D	360.43	18.23	342.20	20.99	339.44
MW-51S	360.19	24.41	335.78	25.22	334.97
MW-52	367.39	10.71	356.68	16.03	351.36
MW-53	367.15	10.02	357.13	14.75	352.40
MW-54	365.26	22.14	343.12	24.87	340.39
MW-55	365.22	22.13	343.09	24.80	340.42
MW-56	371.83	18.97	352.86	20.49	351.34
MW-57	364.54	19.54	345.00	21.71	342.83
MW-64D	416.43	58.98	357.45	62.09	354.34
MW-64S	416.34	32.55	383.79	37.05	379.29
MW-65D	546.80	47.01	499.79	49.40	497.40
MW-65S	546.82	48.25	498.57	50.27	496.55
MW-66D	506.92	37.62	469.30	41.37	465.55
MW-66S	506.73	36.72	470.01	40.03	466.70
MW-67D	446.26	A	A	0.65	445.61
MW-67S	446.26	9.21	437.05	12.23	434.03
MW-68	458.06	5.90	452.16	7.63	450.43
MW-69	411.90	7.43	404.47	12.45	399.45
MW-70D	413.26	16.68	396.58	22.74	390.52
MW-70S	413.20	16.82	396.38	22.35	390.85
MW-74D	359.79	19.70	340.09	20.82	338.97
MW-74S	359.85	20.14	339.71	21.38	338.47
MW-75D	359.85	21.52	338.33	23.72	336.13

NOTES:
A = Artesian Well.
D = Well was Dry.
OG = Water was Over Staff Gauge
Blue shading indicates active extraction well.

TABLE A-1
SITE-WIDE GROUNDWATER LEVELS AND ELEVATION DATA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Well	2008 Reference Elevation (ft AMSL)	4/21/2008		9/2/2008	
		Depth (feet)	Water Level (ft AMSL)	Depth (feet)	Water Level (ft AMSL)
MW-75S	359.03	19.99	339.04	22.13	336.90
MW-77	379.48	24.88	354.60	28.57	350.91
MW-78	367.08	14.64	352.44	17.65	349.43
MW-79	375.84	22.16	353.68	25.57	350.27
MW-80	370.29	24.79	345.50	26.91	343.38
MW-81D	359.89	16.78	343.11	18.83	341.06
MW-81S	360.12	17.18	342.94	19.54	340.58
MW-82	384.27	38.13	346.14	40.74	343.53
MW-83	363.69	12.76	350.93	14.48	349.21
MW-84	366.97	14.66	352.31	17.82	349.15
MW-85	371.54	26.86	344.68	27.75	343.79
MW-86D	406.56	8.16	398.40	10.19	396.37
MW-86S	406.50	9.54	396.96	13.98	392.52
MW-87	370.64	24.97	345.67	27.19	343.45
MW-88	367.93	23.04	344.89	25.52	342.41
MW-91	501.18	54.93	446.25	59.74	441.44
MW-92	476.87	82.94	393.93	87.96	388.91
MW-93D	360.14	19.58	340.56	21.11	339.03
MW-93S	360.76	19.75	341.01	21.23	339.53
MW-94	365.03	12.03	353.00	14.33	350.70
MW-95	358.72	19.01	339.71	20.20	338.52
MW-96D	361.00	21.93	339.07	23.97	337.03
MW-96S	361.21	22.23	338.98	23.24	337.97
MW-97	357.39	21.51	335.88	21.49	335.90
MW-98D	361.41	19.46	341.95	21.08	340.33
MW-98I	360.78	18.75	342.03	21.67	339.11
MW-98S	360.77	19.45	341.32	21.57	339.20
MW-99D	359.91	17.50	342.41	19.87	340.04
MW-99S	360.37	18.28	342.09	20.34	340.03
MW-100D	362.14	20.21	341.93	21.89	340.25
MW-100I	361.81	19.80	342.01	21.62	340.19
MW-100S	362.28	20.82	341.46	22.07	340.21
MW-101D	356.22	16.34	339.88	16.83	339.39
MW-101S	356.54	15.48	341.06	17.09	339.45
MW-102D	401.71	5.66	396.05	11.71	390.00
MW-102S	401.95	32.96	368.99	39.54	362.41
MW-103D	397.62	13.84	383.78	17.61	380.01
MW-103S	397.96	12.04	385.92	15.48	382.48
MW-104	428.72	28.32	400.40	29.21	399.51
MW-105	362.05	22.90	339.15	23.75	338.30
MW-106	360.15	24.09	336.06	24.62	335.53
MW-107	363.56	22.55	341.01	23.66	339.90
MW-108D	426.35	19.18	407.17	24.93	401.42
MW-108S	425.46	30.30	395.16	32.38	393.08
MW-109D	389.12	34.03	355.09	36.80	352.32
MW-109S	388.39	34.38	354.01	37.06	351.33
MW-110	378.36	25.52	352.84	27.19	351.17
MW-111	433.63	18.36	415.27	23.53	410.10
MW-112	393.52	47.98	345.54	50.33	343.19
MW-113	371.02	24.96	346.06	27.24	343.78
MW-114	360.71	17.18	343.53	19.42	341.29
MW-115	373.30	20.51	352.79	24.87	348.43
MW-116	364.59	19.15	345.44	21.38	343.21
RW-2	548.27	29.44	518.83	34.27	514.00
RW-5	375.54	30.67	344.87	33.40	342.14
WPLSS-7	357.78	21.70	336.08	22.62	335.16
WPLSS-8	364.40	25.80	338.60	26.69	337.71

NOTES:
A = Artesian Well.
D = Well was Dry.
OG = Water was Over Staff Gauge
Blue shading indicates active extraction well.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
2008 KEY WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	MW-2 5/8/2008	MW-2 9/17/2008	MW-5 4/24/2008	MW-5 9/5/2008	MW-6 4/25/2008	MW-6 9/8/2008	MW-7 5/19/2008	MW-7 10/1/2008	MW-10 5/9/2008	MW-10 9/22/2008	MW-12 5/6/2008	MW-12 9/16/2008	MW-17 4/28/2008	MW-17 9/12/2008	MW-32D 5/8/2008	MW-32D 10/2/2008	MW-32S 5/13/2008	MW-32S 9/22/2008	MW-34D 5/6/2008
VOC																			
1,1,1,2-Tetrachloroethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,1,1-Trichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	96	85	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	100	110	1.9 J
1,1,2,2-Tetrachloroethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,1,2-Trichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,1-Dichloroethane	5 U	5 U	1 U	1 U	0.32 J	1 U	50 U	17 J	25 U	25 U	2 U	0.91 J	1 U	1 U	17 J	25 U	13 J	17	5 U
1,1-Dichloroethene	5 U	5 U	1 U	0.4 J	1 U	1 U	94	77	25 U	25 U	2 U	2 U	1 U	1 U	65	35	15	20	2.9 J
1,2-Dibromoethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,2-Dichloroethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,2-Dichloropropane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
1,4-Dioxane	1000 U	1000 U	200 U	200 U	200 U	200 U	10000 U	10000 U	5000 U	5000 U	400 U	400 U	200 U	200 U	5000 U	5000 U	3000 U	3000 U	1000 U
2-Butanone	50 U	50 U	10 U	10 U	10 U	10 U	500 U	500 U	250 U	250 U	20 U	20 U	10 U	10 U	250 U	250 U	150 U	150 U	50 U
2-Hexanone	50 U	50 U	10 U	10 U	10 U	10 U	500 U	500 U	250 U	250 U	20 U	20 U	10 U	10 U	250 U	250 U	150 U	150 U	50 U
4-Methyl-2-Pentanone	50 U	50 U	10 U	10 U	10 U	10 U	500 U	500 U	250 U	250 U	20 U	20 U	10 U	10 U	250 U	250 U	150 U	150 U	50 U
Acetone	50 U	50 U	10 U	10 U	10 U	10 U	500 U	500 U	250 U	250 U	20 U	20 U	10 U	10 U	250 U	250 U	150 U	150 U	50 U
Acrylonitrile	100 U	100 U	20 U	20 U	20 U	20 U	1000 U	1000 U	500 U	500 U	40 U	40 U	20 U	20 U	500 U	500 U	300 U	300 U	100 U
Benzene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Bromochloromethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Bromodichloromethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Bromoform	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Bromomethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Carbon Disulfide	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Carbon Tetrachloride	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Chlorobenzene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Chlorodibromomethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Chloroethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Chloroform	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1.3	1	25 U	25 U	15 U	15 U	0.46 J
Chloromethane	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	2.2	4.4	1 U	1 U	290	300	260	290	0.9 J	13	0.64 J	0.5 J	450	340	74	69	31
cis-1,3-Dichloropropene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Ethylbenzene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Methyl tert-butyl ether	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	0.23 J	1 U	25 U	25 U	15 U	15 U	5 U
Methylene chloride	1.8 J	2.3 J B	1 U	1 U	1 U	1 U	39 J	50 U	25 U	12 J	0.4 J	0.88 J B	1 U	1 U	11 J	25 U	6.1 J	7.1 J	1.3 J
Styrene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Tetrachloroethene	120	110	1 U	1 U	1 U	1 U	480	300	25 U	25 U	2.1	2.1	0.41 J	0.6 J	56	49	22	26	11
Toluene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
trans-1,2-Dichloroethene	5 U	5 U	1 U	0.19 J	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	1 U	1 U	1 U	1 U	50 U	50 U	25 U	25 U	2 U	2 U	1 U	1 U	25 U	25 U	15 U	15 U	5 U
Trichloroethene	19	14	1.1	0.78 J	1 U	0.23 J	1100	1000	62	25 U	56	44	40	33	970	560	240	260	110
Vinyl Chloride	5 U	5 U	1 U	0.23 J	1 U	1 U	50 U	50 U	5.1 J	15 J	2 U	2 U	1 U	1 U	21 J	14 J	15 U	15 U	5 U
Xylenes (Total)	15 U	15 U	3 U	3 U	3 U	3 U	150 U	150 U	75 U	75 U	6 U	6 U	3 U	3 U	75 U	75 U	45 U	45 U	15 U
TOTAL VOC																			
Total VOCs	139	124	3.3	4.4	0	0	2060	1762	322	290	58.1	59.1	41.3	34	1541	984	451	502	152
Dissolved Cr+6																			
Hexavalent Chromium	50.0 U	NA	50.0 U	NA	50.0 U	50.0 U	62	96	50.0 U	NA	50.0 U	50.0 U	50.0 U	NA	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Dissolved Metals																			
Chromium	1.7 B	12.1 J	5 U	4.4 J	5 U	4.4 J	51.3	92.7 J	5 U	12.1 J	5 U	9.1 J	5 U	4.9 J	5 U	8.4 J	6.9	28.2 J	3.7 B
Lead	3 U	0.11 B	3 U	0.058 B J	3 U	0.072 B J	3 U	0.44 B J	3 U	0.048 B	3 U	0.065 B	3 U	1 U	3 U	0.078 B J	3 U	0.063 B	3 U
Nickel	2.5 B	7.1	2.5 B	2.9	3.4 B	2.9	40 U	4.2	1.5 B	0.54 B	3 B J	8	40 U	0.46 B	2.8 B	2.9	40 U	1.6	40 U
Zinc	9.7 B J	18.9	4.5 B J	4.9 B	8.9 B J	6.1	4.8 B	7	1.7 B J	4 B	3.4 B J	6.2	3.5 B	2.9 B J	2.6 B J	3.5 B	27.8 J	3.2 B	2 B J
Misc Analyses																			
Cyanide, Free	100 J	100 J	10.0 U	10.0 U	2.20 B	10.0 U	2.70 B J	10.0 U	10.0 U	10.0 U	3.70 B	1.60 B J	1.60 B J	1.60 B J	10.0 U	10.0 U	3.50 B J	2.60 B J	10.0 U
Cyanide, Total	1300	930	10 U	10.0 U	2 B	8.9 B	1.7 B J	10.0 U	1.9 B	10.0 U	10 U	10.0 U	10 U	1.8 B J	10 U	10.0 U	10 U	10.0 U	10 U

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value (for a volatile).
J - Indicates there was contamination in the method blank (for metals and cyanide).
B - Estimated result; Result is less than the Reporting Limit.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
2008 KEY WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	MW-34D 9/17/2008	MW-34S 4/28/2008	MW-34S 9/10/2008	MW-34S Dup 9/10/2008	MW-35D 5/6/2008	MW-35D 9/17/2008	MW-37D 5/14/2008	MW-37D 10/1/2008	MW-37S 5/14/2008	MW-37S 5/14/2008	MW-37S 9/18/2008	MW-38D 4/28/2008	MW-38D 9/16/2008	MW-39D 5/9/2008	MW-39D 9/18/2008	W-39D Du 9/18/2008	MW-39S 5/6/2008	MW-39S 9/15/2008	MW-40D 4/25/2008	MW-40D 9/8/2008	MW-40S 4/25/2008
VOC																					
1,1,1,2-Tetrachloroethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1.3 J	0.39 J	1 U	1 U	5 U	5 U	390	280	12	12	23	0.56 J	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1.2 J	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	1.1 J	2 U	10 U	10 U	10 U	1 U	0.35 J	1 U	1 U	1 U
1,1-Dichloroethene	3.4 J	0.56 J	0.45 J	0.47 J	2.7 J	2.5 J	31 J	100 U	10 U	10 U	10 U	0.49 J	2 U	10 U	10 U	10 U	1 U	0.31 J	1 U	1 U	1 U
1,2-Dibromoethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	1000 U	200 U	200 U	200 U	1000 U	1000 U	20000 U	20000 U	2000 U	2000 U	2000 U	400 U	400 U	2000 U	2000 U	2000 U	200 U	200 U	200 U	200 U	200 U
2-Butanone	50 U	10 U	10 U	10 U	50 U	50 U	1000 U	1000 U	100 U	100 U	100 U	20 U	20 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50 U	10 U	10 U	10 U	50 U	50 U	1000 U	1000 U	100 U	100 U	100 U	20 U	20 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	50 U	10 U	10 U	10 U	50 U	50 U	1000 U	1000 U	100 U	100 U	100 U	20 U	20 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
Acetone	50 U	10 U	10 U	10 U	50 U	50 U	1000 U	1000 U	100 U	100 U	100 U	20 U	20 U	100 U	100 U	100 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	100 U	20 U	20 U	20 U	100 U	100 U	2000 U	2000 U	200 U	200 U	200 U	40 U	40 U	200 U	200 U	200 U	20 U	20 U	20 U	20 U	20 U
Benzene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromoform	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Chloroform	5 U	1.6	3.2	3.3	0.92 J	1.2 J	100 U	100 U	1.4 J	1.1 J	3.5 J	0.19 J	2 U	10 U	10 U	10 U	1 U	1 U	0.17 J	0.13 J	1 U
Chloromethane	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	54	6.9	4.2	4.3	39	37	140	140	8.9 J	9.4 J	24	15	0.74 J	67	58	76	8.5	23	0.22 J	1 U	1 U
cis-1,3-Dichloropropene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	2.5 J B	1 U	1 U	1 U	5 U	2.3 J B	21 J B	100 U	2 J B	2.9 J B	5.3 J	2 U	0.89 J B	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Styrene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	20	4.3	3.7	3.9	7.8	6.7	2600	2500	150	160	400	2.1	2.8	10 U	9.8 J	14	5.9	6.3	1 U	1 U	1 U
Toluene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	2 U	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	140	21	16	16	100	84	980	900	14	15	34	49	51	170	170	220	32	45	2.3	0.67 J	1 U
Vinyl Chloride	5 U	1 U	1 U	1 U	5 U	5 U	100 U	100 U	10 U	10 U	10 U	0.36 J	2 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	15 U	3 U	3 U	3 U	15 U	15 U	300 U	300 U	30 U	30 U	30 U	6 U	6 U	30 U	30 U	30 U	3 U	3 U	3 U	3 U	3 U
TOTAL VOC																					
Total VOCs	214	33.8	27.1	27.5	146.8	127.7	4110	3820	176	187	481	66.1	53.8	237	228	310	46.4	74.3	2.3	0	0
Dissolved Cr+6																					
Hexavalent Chromium	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	NA	50.0 U	NA	50.0 U	50.0 U	NA	50.0 U	50.0 U	50.0 U	NA	NA	50.0 U	NA	50.0 U	NA	50.0 U
Dissolved Metals																					
Chromium	9.9 J	5 U	6.1 J	5.6 J	1.7 B	8.1 J	5 U	9.9 J	5 U	5 U	6.5 J	5 U	11.3 J E	5 U	5 J	4.9 J	5 U	5.4 J	5 U	4.5 J	5 U
Lead	1 U	3 U	1.0 U	1.0 U	3 U	0.032 B	3 U	0.16 B J	3 U	3 U	0.064 B	3 U	1 U	3 U	0.033 B	0.029 B	3 U	1 U	3 U	0.25 B J	3 U
Nickel	1.2	40 U	0.74 B	0.56 B	40 U	1.2	40 U	1.7	40 U	40 U	1	40 U	1.6	40 U	0.89 B	1.2	1.5 B	1.1	40 U	0.62 B	1.4 B
Zinc	2.3 B	5.5 B	5.0 U	5.0 U	5.2 B J	4 B	1.8 B J	12.3	6.3 B J	6.3 B J	4.5 B	3.7 B	3.5 B	8.2 B J	6.1	3.5 B	20 U	4.7 B J	9.2 B J	3.3 B	3.7 B J
Misc Analyses																					
Cyanide, Free	10.0 U	2.00 B J	10.0 U	10.0 U	10.0 U	2.50 B J	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	3.30 B J	2.50 B J	10.0 U	10.0 U	10.0 U	1.60 B	1.80 B J	10.0 U	10.0 U	10.0 U
Cyanide, Total	10.0 U	10 U	10.0 U	10.0 U	10 U	2.3 B	10 U	10.0 U	10 U	10 U	10.0 U	10 U	10.0 U	10 U	10.0 U	10.0 U	10 U	5.5 B J	10 U	10.0 U	6 B

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value (for a volatile).
J - Indicates there was contamination in the method blank (for metals and cyanide).
B - Estimated result; Result is less than the Reporting Limit.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
2008 KEY WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	MW-40S 9/4/2008	MW-43D 5/13/2008	MW-43D 9/25/2008	MW-43S 4/24/2008	MW-43S 9/4/2008	MW-47 5/20/2008	MW-47 10/9/2008	MW-50D 5/22/2008	MW-50D 10/7/2008	MW-50S 5/15/2008	MW-50S 9/30/2008	MW-51D 5/12/2008	MW-51D 9/18/2008	MW-51S 5/20/2008	MW-51S 10/2/2008	MW-54 5/27/2008	MW-54 10/8/2008	MW-64D 5/19/2008	MW-64D 9/29/2008	MW-64S 5/14/2008
VOC																				
1,1,1,2-Tetrachloroethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,1,1-Trichloroethane	1 U	20 U	20 U	1 U	1 U	0.5 J	4 U	240 J	150 J	20 U	20 U	10 U	10 U	54 J	38 J	13 J	11 J	50 U	50 U	15 U
1,1,2,2-Tetrachloroethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,1,2-Trichloroethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,1-Dichloroethane	1 U	20 U	20 U	1 U	1 U	4 U	1 J	1600	1400	9 J	6.9 J	7 J	10 U	75 U	75 U	13 J	13 J	50 U	50 U	15 U
1,1-Dichloroethene	1 U	20 U	20 U	1 U	1 U	2.5 J	3 J	850	580	8.9 J	7.2 J	19	10	89	63 J	97	100	50 U	50 U	15 U
1,2-Dibromoethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,2-Dichloroethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,2-Dichloropropane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
1,4-Dioxane	200 U	4000 U	4000 U	200 U	200 U	800 U	800 U	50000 U	50000 U	4000 U	4000 U	2000 U	2000 U	15000 U	15000 U	10000 U	5000 U	10000 U	10000 U	3000 U
2-Butanone	10 U	200 U	200 U	10 U	10 U	40 U	40 U	2500 U	2500 U	200 U	200 U	100 U	100 U	750 U	750 U	500 U	250 U	500 U	500 U	150 U
2-Hexanone	10 U	200 U	200 U	10 U	10 U	40 U	40 U	2500 U	2500 U	200 U	200 U	100 U	100 U	750 U	750 U	500 U	250 U	500 U	500 U	150 U
4-Methyl-2-Pentanone	10 U	200 U	200 U	10 U	10 U	40 U	40 U	2500 U	2500 U	200 U	200 U	100 U	100 U	750 U	750 U	500 U	250 U	500 U	500 U	150 U
Acetone	10 U	200 U	200 U	10 U	10 U	40 U	40 U	2500 U	2500 U	200 U	200 U	100 U	100 U	750 U	750 U	500 U	250 U	500 U	500 U	150 U
Acrylonitrile	20 U	400 U	400 U	20 U	20 U	80 U	80 U	5000 U	5000 U	400 U	400 U	200 U	200 U	1500 U	1500 U	1000 U	500 U	1000 U	1000 U	300 U
Benzene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Bromochloromethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Bromodichloromethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Bromoform	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Bromomethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	120 J	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Carbon Disulfide	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	13 J	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Carbon Tetrachloride	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Chlorobenzene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Chlorodibromomethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Chloroethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Chloroform	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Chloromethane	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
cis-1,2-Dichloroethene	1 U	15 J	10 J	1 U	1 U	20	42	6700	4500	330	250	160	90	600	510	160	110	50 U	50 U	15 U
cis-1,3-Dichloropropene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Ethylbenzene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Methyl tert-butyl ether	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Methylene chloride	1 U	6 J	20 U	1 U	1 U	1.6 J	1.6 J	120 J	120 J	7.1 J	20 U	10 U	4.2 J	27 J	75 U	21 J	9.7 J	42 J	50 U	3.8 J B
Styrene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Tetrachloroethene	1 U	18 J	5.6 J	0.18 J	0.24 J	42	26	800	710	23	18 J	11	8.7 J	1600	990	75	54	630	600	120
Toluene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	5.4 J	75 U	75 U	50 U	25 U	50 U	50 U	15 U
trans-1,2-Dichloroethene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	5.1 J	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
trans-1,3-Dichloropropene	1 U	20 U	20 U	1 U	1 U	4 U	4 U	250 U	250 U	20 U	20 U	10 U	10 U	75 U	75 U	50 U	25 U	50 U	50 U	15 U
Trichloroethene	1 U	310	220	1 U	1 U	48 B	88	8200	5400 J	410	320	200	140	1400	1100	550	400 J	1100	1000	240
Vinyl Chloride	1 U	20 U	20 U	1 U	1 U	4 U	4 U	45 J	250 U	4.3 J	20 U	10 U	10 U	75 U	23 J	50 U	25 U	50 U	50 U	15 U
Xylenes (Total)	3 U	60 U	60 U	3 U	3 U	12 U	12 U	750 U	750 U	60 U	60 U	30 U	30 U	220 U	220 U	150 U	75 U	150 U	150 U	45 U
TOTAL VOC																				
Total VOCs	0	310	220	0	0	110	156	18150	7190	763	570	390	240	3689	2600	882	264	1730	1600	360
Dissolved Cr+6																				
Hexavalent Chromium	NA	50.0 U	0 U	50.0 U	50.0 U	450 WZ	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	280 WZ	330 WZ	50.0 U	50.0 U	50.0 U	NA	50.0 U
Dissolved Metals																				
Chromium	5.8 J	5 U	12.6 J	5 U	4.2 J	1140 WY	2310 J WY	5 U	13.5 J	5 U	13.7 J	5 U	4.6 J	259 WY	356 J WY	1.6 B	15.1 J	5 U	11.4 J	5 U
Lead	0.097 B J	3 U	1 U	3 U	0.086 B J	3 U	3.7	3 U	1 U	3 U	0.12 B	3 U	0.24 B	3 U	0.7 B J	3 U	1 U	3 U	0.12 B	3 U
Nickel	2.3	40 U	1.3	40 U	1.6	10.3 B	10.9	1.8 B	3.7	4.7 B	5	40 U	2.5	58.3	29.7	1.9 B	2.8	2.2 B	1.9	1.5 B
Zinc	3 B	11.6 B J	8.1	5.6 B J	3.4 B	10.6 B J	39.4 J	20 U	9.9 J	21 J	15.9	2 B J	13.8	6.7 B	3.5 B	5.4 B J	7.9 J	6.9 B	2.8 B	13.9 B J
Misc Analyses																				
Cyanide, Free	10.0 U	2.70 B J	10.0 U	10.0 U	10.0 U	10.0 U	2.70 B	10.0 UJ	1.90 B	10.0 U	10.0 U	2.70 B J	10.0 U	4.10 B J	7.40 B	10.0 U	10.0 U	1.90 B J	10.0 U	10.0 U
Cyanide, Total	10.0 U	10 U	10.0 U	2.1 B J	10.0 U	3.3 B J	2.7 B	10 U	2.5 B	10 U	10.0 U	10 U	10.0 U	32 J	6.00 B	10 U	10 U	1.7 B J	10.0 U	10 U

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value (for a volatile).
J - Indicates there was contamination in the method blank (for metals and cyanide).
B - Estimated result; Result is less than the Reporting Limit.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
2008 KEY WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	MW-64S 9/25/2008	MW-69 5/5/2008	MW-69 9/22/2008	MW-74D 5/9/2008	MW-74D 9/17/2008	MW-74S 4/29/2008	MW-74S 9/16/2008	MW-75D 5/21/2008	MW-75D 10/2/2008	MW-75S 5/21/2008	MW-75S 10/6/2008	MW-79 4/24/2008	MW-79 9/15/2008	MW-81D 5/23/2008	MW-81D 10/7/2008	MW-81S 5/23/2008	MW-81S 10/7/2008	MW-82 4/25/2008
VOC																		
1,1,1,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	2 U	0.46 J	45 J	110 J	1000 J	680 J	0.37 J	1 U	50 U	50 U	120 U	120 U	1 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	0.51 J	0.42 J	50 U	200 U	2000 U	1000 U	13	13	50 U	50 U	120 U	120 U	0.24 J
1,1-Dichloroethene	5 U	2.8 J	1.8 J	2.3 J	2.2 J	0.44 J	0.54 J	13 J	200 U	2000 U	1000 U	0.79 J	0.49 J	50 U	50 U	26 J	120 U	1 U
1,2-Dibromoethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
1,4-Dioxane	1000 U	1000 U	1000 U	1000 U	1000 U	400 U	200 U	10000 U	40000 U	400000 U	200000 U	200 U	200 U	10000 U	10000 U	25000 U	25000 U	200 U
2-Butanone	50 U	50 U	50 U	50 U	50 U	20 U	10 U	500 U	2000 U	20000 U	10000 U	10 U	10 U	500 U	500 U	1200 U	1200 U	10 U
2-Hexanone	50 U	50 U	50 U	50 U	50 U	20 U	10 U	500 U	2000 U	20000 U	10000 U	10 U	10 U	500 U	500 U	1200 U	1200 U	10 U
4-Methyl-2-Pentanone	50 U	50 U	50 U	50 U	50 U	20 U	10 U	500 U	2000 U	20000 U	10000 U	10 U	10 U	500 U	500 U	1200 U	1200 U	10 U
Acetone	50 U	50 U	50 U	50 U	50 U	20 U	10 U	500 U	2000 U	20000 U	10000 U	10 U	10 U	500 U	500 U	1200 U	1200 U	10 U
Acrylonitrile	100 U	100 U	100 U	100 U	100 U	40 U	20 U	1000 U	4000 U	40000 U	20000 U	20 U	20 U	1000 U	1000 U	2500 U	2500 U	20 U
Benzene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	0.47 J	1 U	50 U	50 U	120 U	120 U	1 U
Bromochloromethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Bromoform	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Bromomethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Chlorodibromomethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Chloroform	5 U	5 U	5 U	5 U	5 U	2 U	0.27 J	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	0.15 J
Chloromethane	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
cis-1,2-Dichloroethene	5 U	130	90	23	19	24	21	62	80 J	680 J	390 J	36	26	300	250	730	750	40
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	0.12 J	1 U	50 U	50 U	120 U	120 U	1 U
Methyl tert-butyl ether	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Methylene chloride	5 U	5 U	2.4 J B	1.1 J	2.3 J B	0.47 J	1 U	120 B	84 J	5000 B	1000 U	1 U	1 U	21 J	22 J	100 J	59 J	1 U
Styrene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Tetrachloroethene	96	5 U	5 U	6	8.5	5	7.3	1500	4300	32000	19000	0.24 J	1 U	58	40 J	52 J	42 J	1.7
Toluene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
trans-1,2-Dichloroethene	5 U	5 U	2.6 J	5 U	5 U	2 U	0.36 J	50 U	200 U	2000 U	1000 U	0.61 J	1.4	50 U	50 U	120 U	120 U	0.16 J
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	1 U	1 U	50 U	50 U	120 U	120 U	1 U
Trichloroethene	180	58	110	85	75	42	34	620	1500	10000	6800	1.9	1.6	1200	890 J	2800	2500 J	33
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	2 U	1 U	50 U	200 U	2000 U	1000 U	0.31 J	1 U	50 U	50 U	120 U	120 U	1 U
Xylenes (Total)	15 U	15 U	15 U	15 U	15 U	6 U	3 U	150 U	600 U	6000 U	3000 U	0.21 J	3 U	150 U	150 U	380 U	380 U	3 U
TOTAL VOC																		
Total VOCs	276	188	200	114	102.5	71	62.3	2302	5800	47000	25800	50.9	42	1558	250	3530	750	74.7
Dissolved Cr+6																		
Hexavalent Chromium	NA	50.0 U	NA	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	NA	50.0 U	NA	50.0 U
Dissolved Metals																		
Chromium	14.5 J	5 U	16.1 J	5 U	7.5 J	2.2 B	9 J	10.2	15.6 J	5 U	6.8 J E	5 U	4.9 J	5 U	13 J	5 U	12 J	5 U
Lead	0.089 B	3 U	0.071 B	3 U	1 U	3 U	0.037 B	3 U	0.068 B J	3 U	0.062 B J	3 U	1 U	3 U	1 U	3 U	1 U	3 U
Nickel	3	40 U	1.3	40 U	1.8	40 U	0.81 B	40 U	1.9	1.1 B	1.7	1.6 B	2.4	40 U	3.6	1.8 B	3.1	40 U
Zinc	12.3	20 U	3.3 B	8.9 B J	4.4 B	1.5 B	4.6 B	1.4 B J	2.3 B	6.5 B J	2.5 B	5.2 B J	5.3 J	16.2 B J	8 J	9.4 B J	7.9 J	2.1 B J
Misc Analyses																		
Cyanide, Free	10.0 U	10.0 U	2.20 B J	10.0 U	10.0 U	10.0 U	1.70 B J	10.0 U	10.0 U	10.0 U	1.90 B	3.40 B	2.60 B J	1.80 B	10.0 U	10.0 U	10.0 U	1.90 B
Cyanide, Total	10.0 U	7.8 B J	10.0 U	10 U	10.0 U	10 U	10.0 U	2 B J	10.0 U	1.7 B J	10.0 U	10 U	3200.0 J	10 U	10 U	10 U	10 U	10 U

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value (for a volatile).
J - Indicates there was contamination in the method blank (for metals and cyanide).
B - Estimated result; Result is less than the Reporting Limit.

TABLE A-2
GROUNDWATER QUALITY ANALYSES
2008 KEY WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	MW-82 9/12/2008	MW-85 4/25/2008	MW-85 9/18/2008	MW-87 5/15/2008	MW-87 10/1/2008	MW-88 4/29/2008	MW-88 9/25/2008	MW-91 5/7/2008	MW-91 9/19/2008	MW-92 5/14/2008	MW-92 9/30/2008	MW-93D 5/13/2008	MW-93D 9/22/2008	MW-93S 4/25/2008	MW-93S 9/15/2008	RW-2 4/22/2008	RW-2 9/26/2008	RW-5 4/22/2008	RW-5 9/26/2008
VOC																			
1,1,1,2-Tetrachloroethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	10 U	10 U	43 J	32 J	25 U	25 U	10 U	10 U	10 U	10 U	13	3.8	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	0.36 J	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2 J	0.42 J	0.45 J	1 U	1 U	1 U	1 U
1,1-Dichloroethene	0.32 J	10 U	10 U	49 J	43 J	6 J	25 U	10 U	10 U	10 U	10 U	6.7 J	2.5	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	200 U	2000 U	2000 U	20000 U	20000 U	5000 U	5000 U	2000 U	2000 U	2000 U	2000 U	2500 U	500 U	200 U	200 U	200 U	NA	200 U	200 U
2-Butanone	10 U	100 U	100 U	1000 U	1000 U	250 U	250 U	100 U	100 U	100 U	100 U	120 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	100 U	100 U	1000 U	1000 U	250 U	250 U	100 U	100 U	100 U	100 U	120 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	100 U	100 U	1000 U	1000 U	250 U	250 U	100 U	100 U	100 U	100 U	120 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	3.7 J	100 U	100 U	1000 U	1000 U	250 U	250 U	100 U	100 U	100 U	100 U	120 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	20 U	200 U	200 U	2000 U	2000 U	500 U	500 U	200 U	200 U	200 U	200 U	250 U	50 U	20 U	20 U	20 U	NA	20 U	20 U
Benzene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1.5	0.62 J	0.22 J	0.7 J	0.1 J	1 U
Chloromethane	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	35	150	160	910	780	91	98	10 U	10 U	10 U	10 U	25	14	1.4	1.4	1 U	1 U	2.2	1.6
cis-1,3-Dichloropropene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	1 U	2.3 J	3.5 J	35 J	100 U	14 J	25 U	5.8 J	8.8 J	2.5 J B	10 U	8.7 J B	1 J B	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	2.4	10 U	10 U	33 J	56 J	11 J	11 J	130	210	140	190	200	50	2.8	1.8	1 U	1 U	0.26 J	0.39 J
Toluene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	39	10 U	10 U	1700	1600	280	310	21	22	21	45	250	59	1.8	1.2	1.7	2	2	2
Vinyl Chloride	1 U	10 U	10 U	100 U	100 U	25 U	25 U	10 U	10 U	10 U	10 U	12 U	2.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	3 U	30 U	30 U	300 U	300 U	75 U	75 U	30 U	30 U	30 U	30 U	38 U	7.5 U	3 U	3 U	3 U	3 U	3 U	3 U
TOTAL VOC																			
Total VOCs	76.4	150	160	2610	2380	371	408	151	232	161	235	488	129.3	7.5	4.4	1.7	2	4.2	3.6
Dissolved Cr+6																			
Hexavalent Chromium	NA	50.0 U	50.0 U	50.0 U	50.0 U	500 U	50.0 U	50.0 U	NA	50.0 U	NA	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	NA	50.0 U	NA
Dissolved Metals																			
Chromium	4.8 J	5 U	5.3 J	5 U	9.1 J	5 U	16.8 J	5 U	17.2 J	5 U	10.5 J	5 U	15.4 J	1.6 B	6.3 J	1.4 B	12 J	5 U	11 J
Lead	1 U	3 U	0.029 B	3 U	0.11 B J	3 U	0.036 B	3 U	0.31 B	3 U	0.061 B	3 U	0.081 B	3 U	1 U	3 U	0.15 B	3 U	0.29 B
Nickel	0.58 B	40 U	0.59 B	40 U	2.6	40 U	2.6	2.4 B	6.8	40 U	1.8	40 U	1.6	40 U	0.38 B	11.3 B	4.9	40 U	1.9
Zinc	4.7 B J	3.6 B J	7.9	7 B J	4.4 B	20 U	2.5 B	18 B J	14.9	10.8 B J	5.6	4.4 B J	5.4	2.8 B J	3.7 B J	54.5	32.6	3.6 B	3.4 B
Misc Analyses																			
Cyanide, Free	3.30 B J	10.0 U	10.0 U	10.0 U	10.0 U	1.70 B J	10.0 U	6.80 B J	3.80 B	6.20 B J	5.00 B	5.30 B J	2.20 B J	9.20 B	1.70 B J	10.0 U	10.0 U	10.0 U	10.0 U
Cyanide, Total	10.0 U	10 U	4.2 B	10 U	10.0 U	10 U	10.0 U	27	13	4.2 B	16	10 U	10.0 U	3.6 B	10.0 U	10 U	10.0 U	10 U	10.0 U

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers
U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value (for a volatile).
J - Indicates there was contamination in the method blank (for metals and cyanide).
B - Estimated result; Result is less than the Reporting Limit.

TABLE A-3
GROUNDWATER QUALITY ANALYSES
2008 EXTRACTION WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	CW-1 5/6/2008	CW-1A 5/7/2008	CW-2 5/13/2008	CW-3 5/6/2008	CW-4 5/6/2008	CW-5 5/6/2008	CW-6 5/6/2008	CW-7 5/6/2008	CW-7A 5/6/2008	CW-8 5/6/2008	CW-9 5/6/2008	CW-13 5/7/2008	CW-15A 5/6/2008	CW-17 5/6/2008	Lift Station Deep Foundation 5/20/2008	Lift Station Toe of Slope 5/20/2008
VOC																
1,1,1,2-Tetrachloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
1,1,1-Trichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	12 J	39	25 U	4200	15	0.71 J	0.77 J
1,1,2,2-Tetrachloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
1,1,2-Trichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	0.17 J	0.22 J
1,1-Dichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	100 J	6.1 J	1 U	1 U
1,1-Dichloroethene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	9.4 J	9.6 J	25 U	1100	12	0.56 J	0.56 J
1,2-Dibromoethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
1,2-Dichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
1,2-Dichloropropane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
1,4-Dioxane	400 U	400 U	200 U	200 U	600 U	200 U	400 U	200 U	3000 U	4000 U	5000 U	5000 U	50000 U	1600 U	200 U	200 U
2-Butanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	150 U	200 U	250 U	250 U	2500 U	80 U	10 U	10 U
2-Hexanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	150 U	200 U	250 U	250 U	2500 U	80 U	10 U	10 U
4-Methyl-2-Pentanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	150 U	200 U	250 U	250 U	2500 U	80 U	10 U	10 U
Acetone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	150 U	200 U	250 U	250 U	2500 U	80 U	2.7 J	10 U
Acrylonitrile	40 U	40 U	20 U	20 U	60 U	20 U	40 U	20 U	300 U	400 U	500 U	500 U	5000 U	160 U	20 U	20 U
Benzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	0.81 J
Bromochloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Bromodichloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Bromoform	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Bromomethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Carbon Disulfide	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Carbon Tetrachloride	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Chlorobenzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Chlorodibromomethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Chloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Chloroform	2 U	0.19 J	0.08 J	1 U	3 U	0.17 J	2 U	0.56 J	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Chloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
cis-1,2-Dichloroethene	12	0.58 J	3.5	21	29	0.46 J	38	0.19 J	1.7 J	120	81	480	5200	89	1 U	0.92 J
cis-1,3-Dichloropropene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Ethylbenzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Methyl tert-butyl ether	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	0.4 J
Methylene chloride	2 U	0.4 J	1 U	1 U	0.63 J	1 U	2 U	1 U	3.8 J	5 J	7.1 J	14 J	80 J	2.5 J	1 U	1 U
Styrene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Tetrachloroethene	2 U	0.79 J	0.89 J	0.75 J	4	1.7	70	1 U	5.3 J	25	740	120	1300	63	0.28 J	2.1
Toluene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
trans-1,2-Dichloroethene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
trans-1,3-Dichloropropene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	25 U	250 U	8 U	1 U	1 U
Trichloroethene	63	52	22	16	66	1.1	22	8.6	310	360	440	430	4600	210	1.2	3.1
Vinyl Chloride	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	15 U	20 U	25 U	12 J	250 U	8 U	1 U	1 U
Xylenes (Total)	6 U	6 U	3 U	3 U	9 U	3 U	6 U	3 U	45 U	60 U	75 U	75 U	750 U	24 U	3 U	0.27 J
TOTAL VOC																
Total Confident VOCs	75	52	25.5	37	99	2.8	130	8.6	310	505	1300	1030	16400	389	1.2	5.2

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers

U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

TABLE A-3
GROUNDWATER QUALITY ANALYSES
2008 EXTRACTION WELL SAMPLING SUMMARY
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Location/ID Sample Date Parameter	CW-1 10/9/2008	CW-1A 10/9/2008	CW-2 10/9/2008	CW-3 10/9/2008	CW-4 10/9/2008	CW-5 10/9/2008	CW-6 10/9/2008	CW-7 9/11/2008	CW-7A 10/9/2008	CW-8 9/11/2008	CW-9 9/11/2008	CW-13 9/11/2008	CW-15A 9/11/2008	CW-15A 10/9/2008	CW-17 9/11/2008
VOC															
1,1,1,2-Tetrachloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,1,1-Trichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	12	40	8.7 J	370	3400	18
1,1,2,2-Tetrachloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,1,2-Trichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,1-Dichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	4.4 J	25 U	25 U	10 J	82 J	7 J
1,1-Dichloroethene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	8.9 J	9.3 J	11 J	92	730	16
1,2-Dibromoethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,2-Dichloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,2-Dichloropropane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
1,4-Dioxane	400 U	400 U	200 U	200 U	600 U	200 U	400 U	200 U	2000 U	2000 U	5000 U	5000 U	5000 U	50000 U	2000 U
2-Butanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	250 U	2500 U	100 U
2-Hexanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	250 U	2500 U	100 U
4-Methyl-2-Pentanone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	250 U	2500 U	100 U
Acetone	20 U	20 U	10 U	10 U	30 U	10 U	20 U	10 U	100 U	100 U	250 U	250 U	250 U	2500 U	100 U
Acrylonitrile	40 U	40 U	20 U	20 U	60 U	20 U	40 U	20 U	200 U	200 U	500 U	500 U	500 U	5000 U	200 U
Benzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Bromochloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Bromodichloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Bromoform	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Bromomethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Carbon Disulfide	0.63 J	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Carbon Tetrachloride	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Chlorobenzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Chlorodibromomethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Chloroethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Chloroform	2 U	2 U	1 U	1 U	3 U	1 U	2 U	0.55 J	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Chloromethane	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
cis-1,2-Dichloroethene	9.4	0.57 J	3.3	20	23	14	33	1 U	10 U	69	70	440	430	3600	91
cis-1,3-Dichloropropene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Ethylbenzene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Methyl tert-butyl ether	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Methylene chloride	2 U	2 U	1 U	1 U	0.96 J	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	94 J	10 U
Styrene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Tetrachloroethene	2 U	0.92 J	1 U	0.64 J	4.4	1.7	69	1 U	3.1 J	24	940	180	130	1000	82
Toluene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
trans-1,2-Dichloroethene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
trans-1,3-Dichloropropene	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	25 U	25 U	250 U	10 U
Trichloroethene	51	58	15	13	54	32	19	8.8	160	230	400	410	25 U	3100	220
Vinyl Chloride	2 U	2 U	1 U	1 U	3 U	1 U	2 U	1 U	10 U	10 U	25 U	14 J	25 U	250 U	10 U
Xylenes (Total)	6 U	6 U	3 U	3 U	9 U	3 U	6 U	3 U	30 U	30 U	75 U	75 U	75 U	750 U	30 U
TOTAL VOC															
Total Confident VOCs	60.4	58	18.3	33	81.4	47.7	121	8.8	160	335	1450	1030	1022	11830	427

NA - Not applicable.
µg/l - Micrograms per liter (all results reported in this unit)

Qualifiers

U - The compound was not detected at the indicated concentration.
J - Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

TABLE A-4
WATER QUALITY ANALYSES
PACKED TOWER AERATOR SAMPLES (January 1, 2008 - December 31, 2008)
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Sample ID		Outfall #003 GWTS	Outfall #003 GWTS	Outfall #003 GWTS	Outfall #003 GWTS
Lab ID		9717844001	9730233001	9744874001	9757312001
Sample Date		1/4/2008	4/3/2008	7/10/2008	10/2/2008
Parameter	Units	Result	Result	Result	Result
1,1-DICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TETRACHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@0.8	N.D.@0.8
TRICHLOROETHENE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
METHYLENE CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
VINYL CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@1	N.D.@1
TOTAL VOCs	µg/l	0	0	0	0

Sample ID		Influent to #003 GWTS	Influent to #003 GWTS	Influent to #003 GWTS	Influent to #003 GWTS
Lab ID		9717843001	9730235001	9744875001	9757311001
Sample Date		1/4/2008	04/03/08	07/10/08	10/02/08
Parameter	Units	Result	Result	Result	Result
1,1,1-TRICHLOROETHANE	µg/l	114	90.5	84.4	85
1,1-DICHLOROETHANE	µg/l	5.9	5.7	6.0	7.5
1,1-DICHLOROETHENE	µg/l	32.9	29.9	28.5	31.1
1,2-DICHLOROETHANE	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
CHLOROBENZENE	µg/l	N.D.@1	1.3	N.D.@5	N.D.@5
CHLOROFORM	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
METHYLENE CHLORIDE	µg/l	N.D.@1	N.D.@1	N.D.@5	N.D.@5
TETRACHLOROETHENE	µg/l	311	283	374	324
TRICHLOROETHENE	µg/l	466	495	491	514
VINYL CHLORIDE	µg/l	3.4	4.1	N.D.@5	N.D.@5
CIS 1,2-DICHLOROETHENE	µg/l	251	275	229	273
TRANS 1,2-DICHLOROETHENE	µg/l	N.D.@1	1.3	N.D.@5	N.D.@5
TOTAL VOCs	µg/l	1184	1186	1213	1235

ALL ANALYSES PERFORMED BY ANALYTICAL LABORATORY SERVICES, INC - MIDDLETOWN, PA

µg/l - micrograms per liter
N.D.@1 - not detected at indicated concentration
N.A. - not analyzed
PTA Infl. - Official sample name is "influent to #003 GWTS"
PTA Effl. - Official sample name is "outfall #003 GWTS"

TABLE A-5
GROUNDWATER QUALITY ANALYSES
OFF-SITE SAMPLES (January 1, 2008 - December 31, 2008)
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Sample ID	RW-4 Folk	RW-4 Folk	S-6 Tate	S-7 Herman
Lab Sample Number	C8E150204011	C8I110231003	C8E150204010	C8E150204009
Sampling Date	5/14/08	9/10/08	5/14/08	5/14/08
Matrix	WATER	WATER	WATER	WATER
Dilution Factor	1	1	1	1
Units	µg/L	µg/L	µg/L	µg/L
VOLATILE COMPOUNDS (GC/MS)				
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U
1,4-Dioxane	200 U	200 U	200 U	200 U
2-Butanone	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U
Acetone	10 U	10 U	10 U	10 U
Acrylonitrile	20 U	20 U	20 U	20 U
Benzene	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U	1 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U
Chloroform	0.095 J	1 U	0.83 J	0.57 J
Chloromethane	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1 U	1 U	1 U	1 U
Methylene chloride	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U
Tetrachloroethene	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	1 U	1 U	1 U
Xylenes (Total)	3 U	3 U	3 U	3 U
Total Confident Conc. VOAs (s)	0	0	0	0
WET CHEMISTRY				
Free Cyanide - µg/l	10.0 U	10.0 U	10.0 U	10.0 U
TotalCyanide - µg/l	10 U	10.0 U	10 U	10 U

MAY/SEPTEMBER ANALYSES PERFORMED BY SEVERN TRENT LABORATORIES (STL) -PITTSBURGH.

µg/l - micrograms per liter
U - not detected at indicated concentration
N.A. - not analyzed
J - Data indicates the presence of a compound that meets the identification criteria.
The result is less than the quantitation limit but greater than zero.
The concentration given is an approximate value.

APPENDIX B

2008 Access® Data base Summary

Harley-Davidson Motor Company

Groundwater Treatment Plant Operations

From: 1/1/2008
To: 12/31/2008

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
1/1/2008	1	23.97	1	23.97	432868	27	7.33	1	12.00	1930	7.0	4940	1	23.97
1/2/2008	1	23.97	1	23.97	426899	26	6.75	1	12.00	1937	7.0	3270	1	23.97
1/3/2008	1	23.97	1	23.97	418366	30	10.42	1	7.80	1961	7.0	1680	1	23.97
1/4/2008	2	23.17	2	23.15	415213	23	12.00	2	7.92	1987	7.0	1220	2	22.07
1/5/2008	1	23.97	1	23.97	429693	31	12.00	2	8.50	2148	7.0	1000	1	23.97
1/6/2008	4	15.83	3	15.82	286334	6	3.55	1	11.72	1351	7.0	1290	3	13.98
1/7/2008	3	23.93	3	23.92	441056	9	10.72	1	12.00	2021	7.0	11220	1	14.55
1/8/2008	11	20.57	19	23.32	391619	18	9.72	1	7.72	1762	7.0	1150	2	15.22
1/9/2008	1	23.97	1	23.97	429250	2	12.00	2	11.88	1911	7.0	800	1	23.97
1/10/2008	1	23.97	1	23.97	429127	5	12.00	2	11.68	1893	7.0	380	1	23.97
1/11/2008	1	23.97	1	23.97	430041	7	12.00	2	11.45	1882	7.0	1610	1	15.37
1/12/2008	1	23.97	1	23.97	430064	39	12.00	2	6.65	1900	7.0	1180	0	0.00
1/13/2008	1	23.97	1	23.97	429503	36	8.62	1	10.52	1902	7.0	750	0	0.00
1/14/2008	2	23.95	2	23.95	422206	35	7.62	1	12.00	1899	7.0	550	2	10.57
1/15/2008	1	23.97	1	23.97	412689	39	7.75	1	10.98	1909	7.0	560	1	23.97
1/16/2008	1	23.97	1	23.97	411695	58	12.00	2	4.32	1906	7.0	180	1	23.97
1/17/2008	1	23.97	1	23.97	353180	42	5.68	1	8.67	1804	7.0	360	3	23.93
1/18/2008	1	23.97	1	23.97	350265	46	6.32	1	10.47	1777	7.0	2520	1	23.97
1/19/2008	1	23.97	1	23.97	415668	10	12.00	2	11.37	1935	7.0	2620	1	23.97
1/20/2008	1	23.97	1	23.97	413816	14	12.00	2	11.07	1959	7.0	1140	1	23.97
1/21/2008	1	23.97	1	23.97	412820	20	12.00	2	10.62	1946	7.0	540	1	23.97
1/22/2008	1	23.97	1	23.97	412959	23	12.00	2	10.30	1913	7.0	340	1	23.97
1/23/2008	1	23.97	1	23.97	411996	25	12.00	2	10.03	1896	7.0	340	1	23.97
1/24/2008	1	23.97	1	23.97	411648	42	11.63	1	8.02	1903	7.0	340	1	23.97
1/25/2008	1	23.97	1	23.97	411695	34	8.25	1	12.00	1918	7.0	160	1	23.97
1/26/2008	1	23.97	1	23.97	411604	36	7.93	1	12.00	1927	7.0	0	1	23.97
1/27/2008	1	23.97	1	23.97	411253	36	8.12	1	11.58	1909	7.0	0	1	23.97
1/28/2008	1	23.97	1	23.97	410964	53	12.00	2	5.65	1885	7.0	0	1	23.97
1/29/2008	1	23.97	1	23.97	411279	50	11.27	1	6.72	1885	7.0	140	1	23.97
1/30/2008	1	23.97	1	23.97	412538	6	0.68	3	23.07	1888	7.0	1130	1	23.97
1/31/2008	1	23.97	1	23.97	411304	9	1.28	4	21.95	1911	7.0	500	1	23.97
2/1/2008	1	23.97	1	23.97	428909	31	10.77	1	10.53	1940	7.0	17730	1	23.97
2/2/2008	1	23.97	1	23.97	433543	52	12.00	2	3.33	1971	7.0	9920	1	23.97
2/3/2008	1	23.97	1	23.97	432454	37	7.97	1	10.07	1942	7.0	4450	1	23.97
2/4/2008	1	23.97	1	23.97	440719	32	7.32	1	12.00	1993	7.0	3590	1	23.97
2/5/2008	1	23.97	1	23.97	441604	35	8.70	1	10.38	1945	7.0	3520	1	23.97
2/6/2008	1	23.97	1	23.97	441161	46	12.00	2	5.25	1873	7.0	3770	1	23.97
2/7/2008	1	23.97	1	23.97	278417	0	0.00	1	7.30	1525	7.0	4420	1	23.97
2/8/2008	1	23.97	1	23.97	336658	4	12.00	10	2.25	1689	7.0	3220	1	23.97
2/9/2008	1	23.97	1	23.97	444175	34	9.63	1	10.73	1920	7.0	2830	1	23.97
2/10/2008	1	23.97	1	23.97	442957	32	8.37	1	12.00	2246	7.0	2440	1	23.97

	Tower Blower		Tower Pump		Discharge	Effluent P1		Effluent P2				De-Water	SVE Blower	
DATE	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	Cycles	Hours	KWH	pH	Flow	Cycles	Hours
2/11/2008	1	23.97	1	23.97	440846	32	8.30	1	12.00	2295	7.0	1250	1	23.97
2/12/2008	2	23.35	2	23.35	406293	31	17.93	0	0.00	1882	7.0	1200	2	23.08
2/13/2008	1	23.97	1	23.97	451681	28	9.18	1	12.00	1960	7.0	17850	1	23.97
2/14/2008	1	23.97	1	23.97	450523	28	8.47	1	12.00	1983	7.0	10560	1	23.97
2/15/2008	1	23.97	1	23.97	449672	30	8.57	1	11.45	1976	7.0	6910	1	23.97
2/16/2008	1	23.97	1	23.97	447914	44	12.00	2	6.12	2285	7.0	5180	1	23.97
2/17/2008	1	23.97	1	23.97	446806	43	11.57	1	6.40	1971	7.0	4600	1	23.97
2/18/2008	1	23.97	1	23.97	448429	29	8.37	1	12.00	1851	7.0	9830	1	23.97
2/19/2008	1	23.97	1	23.97	451782	29	8.32	1	12.00	1954	7.0	6330	1	23.97
2/20/2008	1	23.97	1	23.97	449217	31	8.07	1	12.00	1961	7.0	4630	1	23.97
2/21/2008	1	23.97	1	23.97	448724	43	11.67	1	6.32	1967	7.0	4130	1	23.97
2/22/2008	1	23.97	1	23.97	448892	46	12.00	2	5.80	1968	7.0	4340	1	23.97
2/23/2008	1	23.97	1	23.97	449114	30	8.27	1	11.85	1973	7.0	5130	1	23.97
2/24/2008	1	23.97	1	23.97	449176	30	8.05	1	12.00	1955	7.0	5450	1	23.97
2/25/2008	1	23.97	1	23.97	448114	30	7.97	1	12.00	1921	7.0	4850	1	23.97
2/26/2008	1	23.97	1	23.97	453779	40	11.67	1	6.87	1926	7.0	11550	1	23.97
2/27/2008	1	23.97	1	23.97	453486	35	12.00	2	7.42	1959	7.0	10210	1	23.97
2/28/2008	1	23.97	1	23.97	449218	33	10.03	1	9.67	1982	7.0	5740	2	23.95
2/29/2008	1	23.97	1	23.97	448604	29	8.40	1	12.00	1976	7.0	4170	1	23.97
3/1/2008	1	23.97	1	23.97	449367	27	8.67	1	12.00	1975	7.0	4410	1	23.97
3/2/2008	1	23.97	1	23.97	448271	27	8.88	1	11.77	1962	7.0	3940	1	23.97
3/3/2008	1	23.97	1	23.97	447058	35	12.00	2	7.40	1943	7.0	3740	1	23.97
3/4/2008	1	23.97	1	23.97	447154	32	12.00	2	7.87	2114	7.0	4550	1	23.97
3/5/2008	4	10.40	1	10.40	203609	3	1.28	1	8.92	923	7.0	16100	1	10.40
3/6/2008	3	10.95	3	10.93	198780	2	10.73	0	0.00	888	7.0	13420	2	9.72
3/7/2008	11	21.33	23	23.18	413133	3	9.28	2	12.02	1805	7.0	10260	2	19.95
3/8/2008	1	23.97	1	23.97	499493	3	11.92	1	12.00	2120	7.0	15210	1	23.97
3/9/2008	1	24.00	1	24.00	448000	1	12.00	1	12.00	2088	7.0	11000	1	24.00
3/10/2008	1	24.00	1	24.00	448000	1	12.00	1	12.00	2064	7.0	10000	1	24.00
3/11/2008	1	19.00	1	19.00	354673	1	12.00	1	7.00	1577	7.0	10000	1	19.00
3/12/2008	1	23.97	1	23.97	488393	4	11.75	1	12.00	2089	7.0	6230	1	23.97
3/13/2008	1	23.97	1	23.97	485398	8	11.40	1	12.00	1964	7.0	5410	1	23.97
3/14/2008	1	23.97	1	23.97	484373	7	11.43	1	12.00	1971	7.0	5090	1	23.97
3/15/2008	1	23.97	1	23.97	484186	7	11.62	1	11.72	1953	7.0	5300	1	23.97
3/16/2008	1	23.97	1	23.97	484208	10	12.00	2	11.13	1977	7.0	6170	1	23.97
3/17/2008	1	23.97	1	23.97	477371	17	12.00	2	10.18	1972	7.0	4890	1	23.97
3/18/2008	1	23.97	1	23.97	474129	23	12.00	2	9.50	1993	7.0	4330	1	23.97
3/19/2008	1	23.97	1	23.97	478434	19	12.00	2	10.05	1947	7.0	11010	1	23.97
3/20/2008	2	23.88	3	23.50	457563	6	15.10	3	11.12	1919	7.0	15580	3	20.80
3/21/2008	1	23.97	1	23.97	477067	18	12.00	2	10.12	1997	7.0	7420	1	23.97
3/22/2008	1	23.97	1	23.97	417403	38	6.37	1	10.07	1822	7.0	6240	1	23.97
3/23/2008	1	23.97	1	23.97	428079	35	6.67	1	12.00	1853	7.0	5560	1	23.97
3/24/2008	2	23.20	2	23.18	448920	24	10.95	1	8.52	1877	7.0	4760	2	22.93
3/25/2008	1	23.97	1	23.97	486477	4	12.00	2	11.60	1974	7.0	4590	1	23.97
3/26/2008	1	23.97	1	23.97	486988	3	12.00	2	11.72	1943	7.0	4090	1	23.97
3/27/2008	1	23.97	1	23.97	474539	19	12.00	2	9.95	1975	7.0	3760	1	23.97
3/28/2008	1	23.97	1	23.97	468580	24	12.00	2	9.37	1963	7.0	3510	1	23.97

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
3/29/2008	1	23.97	1	23.97	468081	24	12.00	2	9.27	2018	7.0	2850	1	23.97
3/30/2008	1	23.97	1	23.97	466735	22	10.10	1	11.47	2004	7.0	2100	1	23.97
3/31/2008	1	23.97	1	23.97	465317	22	9.67	1	12.00	1994	7.0	2360	1	10.85
4/1/2008	1	23.97	1	23.97	466153	22	9.68	1	12.00	1934	7.0	3280	0	0.00
4/2/2008	1	23.97	1	23.97	464694	22	9.53	1	12.00	1972	7.0	2320	0	0.00
4/3/2008	1	23.97	1	23.97	440608	27	8.95	1	11.33	1959	7.0	1890	2	13.80
4/4/2008	1	23.97	1	23.97	434714	52	12.00	2	4.28	1934	7.0	4490	1	23.97
4/5/2008	1	23.97	1	23.97	448044	34	11.67	1	8.35	1939	7.0	3990	1	23.97
4/6/2008	1	23.97	1	23.97	452334	27	8.68	1	12.00	1971	7.0	2840	1	23.97
4/7/2008	1	23.97	1	23.97	451128	28	8.58	1	12.00	1921	7.0	2330	1	23.97
4/8/2008	1	23.97	1	23.97	450475	28	8.52	1	12.00	1909	7.0	2080	1	23.97
4/9/2008	1	23.97	1	23.97	450075	36	10.52	1	8.93	1903	7.0	1610	1	23.97
4/10/2008	1	23.97	1	23.97	450509	39	12.00	2	7.07	1893	7.0	1390	1	23.97
4/11/2008	1	23.97	1	23.97	451350	37	11.52	1	7.95	1891	7.0	1420	1	23.97
4/12/2008	1	23.97	1	23.97	452976	27	8.95	1	12.00	1895	7.0	7590	1	23.97
4/13/2008	1	23.97	1	23.97	453344	28	8.78	1	12.00	1949	7.0	3810	1	23.97
4/14/2008	1	23.97	1	23.97	451920	28	8.78	1	12.00	1945	7.0	2570	1	23.97
4/15/2008	1	23.97	1	23.97	450280	32	9.90	1	10.32	1939	7.0	1870	1	23.97
4/16/2008	1	23.97	1	23.97	450034	38	12.00	2	7.27	1921	7.0	1390	1	23.97
4/17/2008	1	23.97	1	23.97	450453	37	12.00	2	7.45	1868	7.0	1170	3	23.93
4/18/2008	1	23.97	1	23.97	449522	31	9.45	1	10.90	1843	7.0	790	1	23.97
4/19/2008	1	23.97	1	23.97	449527	29	8.90	1	12.00	1848	7.0	900	1	23.97
4/20/2008	1	23.97	1	23.97	450639	26	9.27	1	12.00	1864	7.0	5100	1	23.97
4/21/2008	1	23.97	1	23.97	451163	26	9.33	1	12.00	1858	7.0	5330	1	23.97
4/22/2008	1	23.97	1	23.97	458777	24	11.02	1	10.13	1858	7.0	17320	1	23.97
4/23/2008	1	23.97	1	23.97	445488	38	12.00	2	7.63	1829	7.0	2180	1	23.97
4/24/2008	1	23.97	1	23.97	442706	38	12.00	2	7.72	1823	7.0	1910	1	23.97
4/25/2008	1	23.97	1	23.97	442478	33	9.87	1	10.45	1830	7.0	1600	1	23.97
4/26/2008	1	23.97	3	23.83	445201	24	14.32	14	7.65	1865	7.0	5210	2	22.87
4/27/2008	1	23.97	1	23.97	455584	29	12.08	2	8.98	1908	7.0	10460	1	23.97
4/28/2008	1	23.97	1	23.97	458468	23	12.00	2	9.58	1902	7.0	13580	1	23.97
4/29/2008	1	23.97	1	23.97	460676	19	12.00	2	10.00	1877	7.0	9170	1	23.97
4/30/2008	1	23.97	1	23.97	473940	12	11.12	1	11.75	1931	7.0	5980	1	23.97
5/1/2008	1	23.97	1	23.97	472723	12	10.85	1	12.00	1925	7.0	4830	3	23.95
5/2/2008	1	23.97	1	23.97	473499	12	10.98	1	12.02	1900	7.0	4690	3	20.85
5/3/2008	1	23.97	1	23.97	474475	11	11.03	1	12.02	1932	7.0	4080	1	23.97
5/4/2008	1	23.97	1	23.97	469276	13	11.18	2	12.03	1935	7.0	4810	1	23.97
5/5/2008	1	23.97	2	23.97	456482	16	9.95	1	12.00	1826	7.0	3790	1	23.97
5/6/2008	1	23.97	1	23.97	429970	19	9.53	1	12.00	1774	7.0	3070	1	23.97
5/7/2008	1	23.97	1	23.97	428918	25	9.80	3	9.67	1785	7.0	2560	1	23.97
5/8/2008	1	23.97	1	23.97	438937	36	12.00	2	7.65	1751	7.0	2130	1	23.97
5/9/2008	1	23.97	1	23.97	448978	27	12.00	2	9.25	1839	7.0	7390	1	23.97
5/10/2008	1	23.97	1	23.97	458459	18	12.00	2	10.23	1910	7.0	6560	1	23.97
5/11/2008	1	23.97	1	23.97	457396	20	10.93	1	11.12	1901	7.0	5510	1	23.97
5/12/2008	1	23.97	1	23.97	482111	12	12.78	1	12.02	1941	7.0	26620	1	23.97
5/13/2008	1	23.97	1	23.97	481480	7	12.23	1	12.02	1934	7.0	10880	1	23.97
5/14/2008	1	23.97	1	23.97	487203	16	13.80	1	12.00	1919	7.0	12820	1	23.97

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
5/15/2008	1	23.97	1	23.97	482323	7	12.37	1	12.03	1914	7.0	6540	3	23.95
5/16/2008	1	23.97	1	23.97	493564	28	14.77	1	12.03	1964	7.0	22140	1	23.97
5/17/2008	1	23.97	1	23.97	491681	23	14.40	1	12.00	1953	7.0	11290	1	23.97
5/18/2008	1	23.97	1	23.97	496197	20	14.58	1	12.00	1967	7.0	12570	1	23.97
5/19/2008	1	23.97	1	23.97	503180	25	15.48	1	12.03	1963	7.0	9940	1	23.97
5/20/2008	1	23.97	1	23.97	504704	26	15.50	1	12.03	1978	7.0	11830	1	23.97
5/21/2008	1	23.97	1	23.97	504174	25	15.82	1	12.03	1968	7.0	10260	2	23.12
5/22/2008	1	23.97	1	23.97	503613	27	15.62	1	12.03	2026	7.0	8450	1	23.97
5/23/2008	1	23.97	1	23.97	502203	29	15.70	1	12.02	1970	7.0	7060	1	23.97
5/24/2008	1	23.97	1	23.97	501386	27	15.73	1	12.03	1977	7.0	6230	1	23.97
5/25/2008	1	23.97	1	23.97	501184	26	15.63	1	12.02	1977	7.0	5070	1	23.97
5/26/2008	1	23.97	1	23.97	489530	21	14.72	1	12.02	1952	7.0	4400	1	23.97
5/27/2008	1	23.97	1	23.97	484381	14	13.67	1	12.00	1931	7.0	6210	1	23.97
5/28/2008	1	23.97	1	23.97	485677	17	14.23	1	12.05	1958	7.0	7200	4	21.82
5/29/2008	1	23.97	1	23.97	483838	17	13.98	1	12.00	1947	7.0	4860	2	23.95
5/30/2008	1	23.97	1	23.97	482273	19	14.05	1	12.03	1938	7.0	4120	1	23.97
5/31/2008	2	23.97	2	23.95	483607	18	14.07	1	12.03	1951	7.0	5150	1	9.92
6/1/2008	1	23.97	1	23.97	482875	23	14.47	1	12.03	1949	7.0	4930	0	0.00
6/2/2008	1	23.97	1	23.97	478475	14	13.38	1	12.02	1926	7.0	3910	2	12.40
6/3/2008	1	23.97	1	23.97	476160	8	12.53	1	12.02	1916	7.0	2870	1	23.97
6/4/2008	1	23.97	1	23.97	476995	11	12.88	1	12.02	1908	7.0	4350	1	23.97
6/5/2008	1	23.97	1	23.97	477671	2	1.43	1	22.53	1978	7.0	4120	1	23.97
6/6/2008	1	23.97	1	23.97	477140	0	0.00	1	23.97	1923	7.0	3130	3	23.15
6/7/2008	1	23.97	1	23.97	477133	0	0.00	1	23.97	1914	7.0	2630	1	23.97
6/8/2008	1	23.97	1	23.97	475974	0	0.00	1	23.97	1910	7.0	1710	1	23.97
6/9/2008	1	23.97	1	23.97	474676	11	9.85	1	14.18	1869	6.0	1230	1	23.97
6/10/2008	1	23.97	1	23.97	474594	4	12.20	1	12.02	2080	6.0	1000	1	23.97
6/11/2008	1	23.97	1	23.97	474790	2	11.95	1	12.02	2080	6.0	760	1	23.97
6/12/2008	14	20.60	29	21.95	420709	7	15.40	2	12.00	1735	7.0	550	1	23.97
6/13/2008	1	23.97	1	23.97	471870	3	12.08	1	12.02	1878	10.0	510	1	23.97
6/14/2008	1	23.97	1	23.97	472078	2	11.92	1	12.02	1891	7.0	310	1	23.97
6/15/2008	1	23.97	1	23.97	460866	4	11.73	1	12.02	1874	7.0	320	1	23.97
6/16/2008	1	23.97	1	23.97	469976	2	11.93	1	12.02	1866	7.0	310	1	23.97
6/17/2008	1	23.97	1	23.97	465011	2	11.93	1	12.02	1868	8.0	150	1	23.97
6/18/2008	1	23.97	1	23.97	455194	5	11.68	1	12.02	1867	7.0	150	1	23.97
6/19/2008	1	23.97	1	23.97	457555	14	12.58	1	12.02	1866	8.8	8220	3	23.20
6/20/2008	1	23.97	1	23.97	451402	9	11.22	1	12.00	1854	9.9	350	1	23.97
6/21/2008	1	23.97	1	23.97	451265	9	11.17	1	12.02	1851	12.0	150	1	23.97
6/22/2008	1	23.97	1	23.97	450983	10	11.17	1	12.02	1840	11.2	0	1	23.97
6/23/2008	4	16.22	4	16.18	304364	19	12.98	1	6.15	1243	8.0	170	2	20.12
6/24/2008	3	22.55	8	21.77	415843	22	14.97	2	9.80	1737	10.4	0	3	21.48
6/25/2008	1	23.97	1	23.97	457337	12	13.33	2	11.85	1896	6.7	0	1	23.97
6/26/2008	1	23.97	1	23.97	453430	3	12.00	2	11.57	1881	6.7	0	1	23.97
6/27/2008	2	23.37	2	23.32	442306	10	13.08	2	11.18	1843	6.9	0	1	23.97
6/28/2008	1	23.97	1	23.97	455168	17	13.95	2	11.87	1896	6.9	130	1	23.97
6/29/2008	1	23.97	1	23.97	453811	2	12.00	2	11.87	1894	6.9	0	1	23.97
6/30/2008	1	23.97	1	23.97	453184	2	12.00	2	11.85	1893	6.9	0	1	23.97

	Tower Blower		Tower Pump		Discharge	Effluent P1		Effluent P2				De-Water	SVE Blower	
DATE	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	Cycles	Hours	KWH	pH	Flow	Cycles	Hours
7/1/2008	1	23.97	1	23.97	452580	2	12.00	2	11.83	1900	6.9	0	1	23.97
7/2/2008	1	23.97	1	23.97	451484	5	12.00	2	11.57	1887	6.8	0	1	23.97
7/3/2008	1	23.97	1	23.97	437329	22	11.35	1	10.43	1852	6.9	0	1	23.97
7/4/2008	1	23.97	1	23.97	429589	20	9.77	1	12.00	1843	6.9	0	5	6.17
7/5/2008	1	23.97	1	23.97	430499	20	10.02	1	12.00	1833	6.9	0	3	10.92
7/6/2008	1	23.97	1	23.97	430747	15	7.57	2	14.97	1839	6.9	0	1	22.77
7/7/2008	1	23.97	1	23.97	429953	0	0.00	1	23.97	1843	6.9	0	0	0.00
7/8/2008	4	21.10	4	20.98	373395	15	10.00	13	11.45	1599	6.9	0	0	0.00
7/9/2008	1	23.97	1	23.97	430203	2	11.97	1	12.00	1818	6.9	0	2	13.32
7/10/2008	1	23.97	1	23.97	430892	2	11.98	1	12.00	1808	6.9	0	1	23.97
7/11/2008	1	23.97	1	23.97	430988	2	11.93	1	12.00	1806	6.9	0	4	22.60
7/12/2008	1	23.97	1	23.97	430525	2	11.87	1	12.00	1821	6.9	0	1	23.97
7/13/2008	1	23.97	1	23.97	430559	2	11.92	1	12.00	1819	6.9	0	1	23.97
7/14/2008	1	23.97	1	23.97	441997	2	11.95	1	12.00	1825	6.8	2520	1	23.97
7/15/2008	1	23.97	1	23.97	444060	2	11.83	2	12.00	1823	6.9	130	1	23.97
7/16/2008	1	23.97	1	23.97	444445	3	2.55	3	21.40	1826	6.8	0	1	23.97
7/17/2008	1	23.97	1	23.97	438700	5	6.92	7	16.93	1810	6.9	0	1	23.97
7/18/2008	1	23.97	1	23.97	442658	0	0.00	1	23.97	1822	6.9	0	1	23.97
7/19/2008	1	23.97	1	23.97	443141	3	0.08	4	23.92	1834	6.9	0	1	23.97
7/20/2008	1	23.97	1	23.97	442609	0	0.00	1	23.97	1834	6.9	0	1	23.97
7/21/2008	1	23.97	1	23.97	441621	0	0.00	1	23.97	1821	6.9	0	1	23.97
7/22/2008	3	22.07	3	21.97	405458	5	6.00	9	18.82	1696	6.9	0	2	20.72
7/23/2008	1	23.97	1	23.97	444383	6	12.00	7	11.97	1842	6.9	770	1	23.97
7/24/2008	4	21.85	4	21.68	403527	4	13.13	5	11.50	1666	6.9	5860	2	21.20
7/25/2008	1	23.97	1	23.97	444579	4	11.98	3	12.00	1836	6.9	0	3	23.95
7/26/2008	1	23.97	1	23.97	443858	4	11.97	3	12.00	1833	6.9	0	1	23.97
7/27/2008	1	23.97	1	23.97	442932	4	11.97	3	12.00	1845	6.9	0	1	23.97
7/28/2008	3	23.68	9	23.48	431350	4	13.43	3	9.88	1791	6.9	710	2	23.40
7/29/2008	1	23.97	1	23.97	441299	4	11.97	3	12.00	1813	6.9	0	1	23.97
7/30/2008	1	23.97	1	23.97	440399	4	11.97	3	12.00	1816	6.9	0	1	23.97
7/31/2008	1	23.97	1	23.97	439618	4	11.98	3	12.00	1815	6.9	0	1	23.97
8/1/2008	1	23.97	1	23.97	438694	4	11.98	3	12.00	1815	6.9	0	1	23.97
8/2/2008	1	23.97	1	23.97	439077	4	11.98	3	12.00	1832	6.9	0	1	23.97
8/3/2008	1	23.97	1	23.97	438596	4	11.97	3	12.00	1833	6.9	0	1	23.97
8/4/2008	1	23.97	1	23.97	439291	4	11.97	3	12.00	1814	6.9	0	1	23.97
8/5/2008	1	23.97	1	23.97	439889	4	11.98	3	12.00	1808	6.9	0	1	23.97
8/6/2008	1	23.97	1	23.97	438866	4	11.98	3	12.00	1800	6.9	0	1	23.97
8/7/2008	2	23.85	2	23.85	436423	4	11.78	4	12.00	1790	6.9	0	2	22.80
8/8/2008	1	23.97	1	23.97	437775	4	11.98	3	12.00	1807	6.9	0	1	23.97
8/9/2008	1	23.97	1	23.97	436790	4	11.97	3	12.00	1816	6.9	0	1	23.97
8/10/2008	1	23.97	1	23.97	434898	4	11.97	3	12.00	1812	6.9	0	1	23.97
8/11/2008	1	23.97	1	23.97	433770	4	11.97	3	12.00	1805	6.9	0	1	23.97
8/12/2008	1	23.97	1	23.97	436313	4	11.98	3	12.00	1810	6.9	0	1	23.97
8/13/2008	1	23.97	1	23.97	434761	4	15.95	3	8.02	1798	6.9	0	1	23.97
8/14/2008	1	23.97	1	23.97	434955	6	19.93	9	4.02	1791	6.9	0	2	23.95
8/15/2008	2	22.83	2	22.78	412732	3	17.27	4	7.72	1723	6.9	0	2	22.62
8/16/2008	1	23.97	1	23.97	436505	3	12.00	4	11.98	1824	6.9	0	2	23.60

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
8/17/2008	1	23.97	1	23.97	435516	3	12.00	4	11.98	1814	6.9	0	1	23.97
8/18/2008	1	23.97	1	23.97	434676	4	13.38	4	10.58	1802	6.9	0	1	23.97
8/19/2008	1	23.97	1	23.97	434349	3	18.58	4	5.42	1793	6.9	0	1	23.97
8/20/2008	1	23.97	1	23.97	429720	3	12.00	4	11.97	1799	6.9	0	1	23.97
8/21/2008	1	23.97	1	23.97	428491	3	12.00	4	11.98	1789	6.9	0	1	23.97
8/22/2008	1	23.97	1	23.97	426487	4	13.33	4	10.63	1775	6.9	0	1	23.97
8/23/2008	1	23.97	1	23.97	425978	3	23.92	3	0.05	1776	6.9	0	1	23.97
8/24/2008	2	23.60	2	23.55	322358	11	21.77	1	0.02	1559	7.0	0	2	11.77
8/25/2008	1	23.97	1	23.97	432212	1	23.98	0	0.00	1779	7.0	6150	1	23.97
8/26/2008	1	23.97	1	23.97	392750	4	3.40	4	18.58	1731	7.0	0	1	23.97
8/27/2008	1	23.97	1	23.97	413964	3	8.55	3	15.43	1774	7.0	0	1	23.97
8/28/2008	1	23.97	1	23.97	411136	4	11.98	3	12.00	1766	7.0	0	1	23.97
8/29/2008	1	23.97	1	23.97	412385	4	11.98	3	12.00	1770	7.0	0	1	23.97
8/30/2008	1	23.97	1	23.97	415674	4	11.98	3	12.00	1792	7.0	0	1	23.97
8/31/2008	1	23.97	1	23.97	415557	4	11.97	3	12.00	1803	7.0	0	1	23.97
9/1/2008	1	23.97	1	23.97	415026	4	11.97	3	12.00	1808	7.0	0	1	23.97
9/2/2008	1	23.97	1	23.97	412627	4	11.98	3	12.00	1786	7.0	0	1	23.97
9/3/2008	1	23.97	1	23.97	411697	3	3.48	2	20.50	1775	7.0	0	1	23.97
9/4/2008	3	23.17	3	22.07	361627	5	5.10	5	17.12	1619	7.0	0	3	19.13
9/5/2008	1	23.97	1	23.97	410771	4	11.98	3	12.00	1763	7.0	0	1	23.97
9/6/2008	1	23.97	1	23.97	420657	4	11.98	3	12.00	1794	7.0	10990	1	23.97
9/7/2008	1	23.97	1	23.97	423209	4	11.98	3	12.00	2047	6.9	3220	1	23.97
9/8/2008	1	23.97	1	23.97	432354	4	11.97	3	12.00	2039	6.9	530	1	23.97
9/9/2008	8	21.40	19	22.72	401435	3	10.98	4	11.02	1815	7.0	5190	2	20.20
9/10/2008	1	23.97	1	23.97	447763	3	12.00	4	11.98	1895	7.0	1900	1	23.97
9/11/2008	1	23.97	1	23.97	449926	3	12.00	4	11.98	1840	7.0	160	1	23.97
9/12/2008	1	23.97	1	23.97	450079	3	12.00	4	11.98	1842	7.0	950	1	23.97
9/13/2008	1	23.97	1	23.97	451264	3	12.00	4	11.97	1839	7.0	1810	1	23.97
9/14/2008	1	23.97	1	23.97	449952	3	12.00	4	11.97	1839	7.0	530	1	23.97
9/15/2008	1	23.97	1	23.97	448539	3	12.00	4	11.98	1831	7.0	160	1	23.97
9/16/2008	1	23.97	1	23.97	448673	3	12.00	4	11.98	1845	7.0	280	1	23.97
9/17/2008	1	23.97	1	23.97	447709	3	12.00	4	11.98	1843	7.0	0	1	23.97
9/18/2008	1	23.97	1	23.97	439143	3	12.00	4	11.98	1836	7.0	0	1	23.97
9/19/2008	1	23.97	1	23.97	432097	3	12.00	4	11.97	1837	7.0	330	1	23.97
9/20/2008	1	23.97	1	23.97	430077	3	12.00	4	11.97	1840	7.0	0	1	23.97
9/21/2008	1	23.97	1	23.97	429967	3	12.00	4	11.98	1838	7.0	0	1	23.97
9/22/2008	1	23.97	1	23.97	429648	3	12.00	4	11.98	1815	7.0	0	2	23.97
9/23/2008	1	23.97	1	23.97	429638	3	12.00	4	11.98	1810	7.0	0	1	23.97
9/24/2008	1	23.97	1	23.97	429541	3	12.00	4	11.97	1811	7.0	0	1	23.97
9/25/2008	1	23.97	1	23.97	445322.6	3	12.00	4	11.97	1818	7.0	7450	1	23.97
9/26/2008	1	23.97	1	23.97	439776	3	12.00	4	11.98	1814	7.0	420	1	23.97
9/27/2008	1	23.97	1	23.97	444598.5	3	12.00	4	11.98	1808	7.0	6030	1	23.97
9/28/2008	1	23.97	1	23.97	445091.8	3	12.00	4	11.98	1819	7.0	5650	1	23.97
9/29/2008	1	23.97	1	23.97	442397.3	3	12.00	4	11.98	1816	7.0	1980	1	23.97
9/30/2008	1	23.97	1	23.97	445010.5	3	12.00	4	11.97	1827	7.0	1060	1	23.97
10/1/2008	1	23.97	1	23.97	445194.8	3	12.00	4	11.97	1823	7.0	1600	1	23.97
10/2/2008	1	23.97	1	23.97	444582	3	12.00	4	11.98	1834	7.0	530	1	23.97

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
10/3/2008	1	23.97	1	23.97	444167.9	3	12.00	4	11.98	1839	7.0	370	1	23.97
10/4/2008	1	23.97	1	23.97	443725	3	12.00	4	11.98	1845	7.0	0	1	23.97
10/5/2008	1	23.97	1	23.97	443789.9	3	12.00	4	11.97	1848	7.0	0	1	23.97
10/6/2008	2	15.35	2	15.33	283424.1	3	9.02	3	6.25	1178	7.0	130	2	15.28
10/7/2008	1	23.97	1	23.97	443555.1	4	15.95	3	8.02	1837	7.0	0	1	23.97
10/8/2008	1	23.97	1	23.97	443287.3	3	14.98	4	9.00	1829	7.0	0	1	23.97
10/9/2008	1	23.97	1	23.97	442461.2	3	12.00	4	11.98	1812	7.0	130	1	23.97
10/10/2008	1	23.97	1	23.97	442397.3	3	12.00	4	11.97	1821	7.0	0	1	23.97
10/11/2008	1	23.97	1	23.97	442289.2	3	12.00	4	11.98	1881	7.0	0	1	23.97
10/12/2008	1	23.97	1	23.97	442132.6	3	20.95	3	3.03	1850	7.0	0	1	23.97
10/13/2008	1	23.97	1	23.97	433671.2	1	23.97	0	0.00	1811	7.0	0	1	23.97
10/14/2008	1	23.97	1	23.97	439737.9	1	23.97	0	0.00	1810	7.0	0	1	23.97
10/15/2008	2	23.12	2	23.10	424999.6	7	19.77	18	6.22	1756	7.0	0	2	23.05
10/16/2008	1	23.97	1	23.97	435959.8	3	12.00	4	11.98	1797	7.0	0	1	23.97
10/17/2008	1	23.97	1	23.97	427978.4	3	12.00	4	11.97	1822	7.0	0	3	23.95
10/18/2008	1	23.97	1	23.97	428285.3	3	12.00	4	11.97	1838	7.1	0	1	23.97
10/19/2008	1	23.97	1	23.97	422209.3	3	12.00	4	11.98	1842	7.0	0	1	23.97
10/20/2008	1	23.97	1	23.97	415701.8	3	12.00	4	11.97	1834	7.0	0	1	23.97
10/21/2008	1	23.97	1	23.97	408046.8	3	12.00	4	11.98	1820	7.0	0	1	23.97
10/22/2008	1	23.97	1	23.97	406989	3	12.00	4	11.98	1819	7.0	0	1	23.97
10/23/2008	3	22.77	3	22.68	385626.8	4	12.95	3	9.90	1753	7.0	0	3	22.58
10/24/2008	1	23.97	1	23.97	408380.6	4	11.97	3	12.00	1838	7.1	0	1	23.97
10/25/2008	1	23.97	1	23.97	409637.2	4	11.98	3	12.00	1835	7.1	1250	1	23.97
10/26/2008	1	23.97	1	23.97	418292.3	4	11.98	3	12.00	1878	7.1	880	1	23.97
10/27/2008	15	18.85	15	18.10	301712.8	3	8.33	6	11.20	1371	6.4	0	1	16.98
10/28/2008	51	7.10	50	4.45	29780.39	17	4.00	6	3.35	236	6.5	840	2	0.00
10/29/2008	55	7.70	55	4.85	31386.16	19	4.00	8	2.92	260	6.4	140	0	0.00
10/30/2008	53	7.42	53	4.67	30134.71	18	3.73	8	2.52	249	6.4	0	0	0.00
10/31/2008	53	7.30	53	4.55	30227.41	16	3.32	11	4.00	247	6.4	0	0	0.00
11/1/2008	51	7.08	51	4.40	29954.46	15	3.13	11	4.00	245	6.4	0	0	0.00
11/2/2008	51	7.03	51	4.40	29438.43	14	2.83	12	4.00	240	6.4	0	0	0.00
11/3/2008	48	6.60	47	4.08	28435.21	13	2.78	11	4.00	215	6.4	0	0	0.00
11/4/2008	48	6.68	48	4.17	30182.09	18	3.75	7	2.23	235	6.4	0	0	0.00
11/5/2008	47	6.55	47	4.07	29674.3	18	4.00	6	2.17	224	6.4	0	0	0.00
11/6/2008	47	8.42	47	5.93	36606.2	9	4.00	15	5.17	299	6.5	7080	0	0.00
11/7/2008	47	6.50	47	4.02	29703.14	19	4.00	6	1.65	227	6.5	0	0	0.00
11/8/2008	47	6.47	47	3.98	28749.36	15	3.30	9	3.25	226	6.4	0	0	0.00
11/9/2008	47	6.40	47	3.97	27207.45	12	2.38	12	4.00	220	6.4	0	0	0.00
11/10/2008	44	5.93	44	3.67	24422.33	11	2.27	12	4.00	187	6.4	0	0	0.00
11/11/2008	47	6.43	47	3.98	27151.83	16	3.40	8	2.57	207	6.4	0	0	0.00
11/12/2008	46	6.27	45	3.87	26565.76	18	4.00	5	1.88	204	6.4	0	0	0.00
11/13/2008	47	6.38	47	3.95	27665.8	16	3.68	8	2.82	211	6.4	0	0	0.00
11/14/2008	48	6.65	48	4.12	29408.56	14	2.97	11	4.00	223	6.4	240	0	0.00
11/15/2008	50	7.52	50	4.87	32551.09	20	4.12	9	4.00	263	6.7	3180	0	0.00
11/16/2008	50	7.37	50	4.78	30645.59	15	3.23	9	4.00	257	6.5	2660	0	0.00
11/17/2008	51	7.18	51	4.48	30155.31	14	3.12	12	4.00	230	6.5	680	0	0.00
11/18/2008	50	7.02	50	4.37	28987.29	14	3.02	11	4.00	221	6.5	270	0	0.00

DATE	Tower Blower		Tower Pump		Discharge	Effluent P1		Effluent P2				De-Water	SVE Blower	
	Cycles	Hours	Cycles	Hours	Flow	Cycles	Hours	Cycles	Hours	KWH	pH	Flow	Cycles	Hours
11/19/2008	28	14.62	28	13.20	205576.7	16	10.17	2	6.90	993	7.1	0	1	10.80
11/20/2008	1	23.97	1	23.97	419875.4	3	12.00	4	11.97	1879	7.1	0	1	23.97
11/21/2008	1	23.97	1	23.97	441389	3	12.00	4	11.98	1934	7.1	0	1	23.97
11/22/2008	1	23.97	1	23.97	469783	3	12.00	4	11.97	1960	7.1	0	1	23.97
11/23/2008	1	23.97	1	23.97	469237.1	3	12.00	4	11.97	1940	7.1	0	1	23.97
11/24/2008	2	22.33	2	22.28	395149.2	9	4.03	5	18.38	1687	7.1	0	2	22.28
11/25/2008	3	21.80	4	21.72	367826.4	5	4.67	4	17.73	1650	7.1	0	4	21.40
11/26/2008	2	23.45	2	23.38	442333.5	4	12.42	4	10.88	1891	7.1	0	2	23.33
11/27/2008	1	23.97	1	23.97	464805	3	12.00	4	11.97	1949	7.1	0	1	23.97
11/28/2008	1	23.97	1	23.97	456900.8	3	12.00	4	11.97	1938	7.1	0	1	23.97
11/29/2008	1	23.97	1	23.97	454389.6	3	12.00	5	11.78	1924	7.1	0	1	23.97
11/30/2008	1	23.97	1	23.97	444126.7	3	12.00	4	11.97	1926	7.1	0	1	23.97
12/1/2008	1	23.97	1	23.97	451844.5	3	12.00	4	12.00	1916	7.1	7450	1	23.97
12/2/2008	1	23.97	1	23.97	446516.3	3	12.00	4	11.98	2057	7.1	2420	1	23.97
12/3/2008	9	16.62	16	18.98	326246.3	2	10.37	5	9.82	1506	7.2	380	2	13.50
12/4/2008	1	23.97	1	23.97	452186.5	3	12.00	4	11.98	1922	7.2	0	1	23.97
12/5/2008	1	23.97	1	23.97	451677.7	3	12.00	4	11.97	1942	7.0	0	1	23.97
12/6/2008	1	23.97	1	23.97	451302.7	3	12.00	4	11.97	1949	7.0	0	1	23.97
12/7/2008	1	23.97	1	23.97	444899.2	3	12.00	4	11.97	1941	7.0	0	1	23.97
12/8/2008	1	23.97	1	23.97	442141.9	3	12.00	4	11.98	1932	7.0	0	1	23.97
12/9/2008	1	23.97	1	23.97	442049.2	3	12.00	4	11.98	1881	7.0	0	1	23.97
12/10/2008	1	23.97	1	23.97	442284.1	3	12.00	4	11.98	1840	7.0	0	1	23.97
12/11/2008	1	23.97	1	23.97	459444.9	3	12.00	4	11.98	1937	7.0	18060	1	23.97
12/12/2008	1	23.97	1	23.97	458923.7	3	12.02	4	11.98	1937	7.0	14230	1	23.97
12/13/2008	1	23.97	1	23.97	466103.8	3	12.00	4	12.03	1973	7.0	4480	1	23.97
12/14/2008	1	23.97	1	23.97	467022.6	3	12.00	4	11.98	1941	7.0	2910	1	23.97
12/15/2008	1	23.97	1	23.97	466774.3	3	12.00	4	11.98	1874	7.0	2330	1	23.97
12/16/2008	1	24.00	1	24.00	480003	3	12.00	4	12.00	2091		7270	1	24.00
12/17/2008	1	24.00	1	24.00	480003	3	12.00	4	12.00	2091		7270	1	24.00
12/18/2008	1	23.97	1	23.97	480002.7	3	12.00	4	11.98	2091	7.0	7270	1	23.97
12/19/2008	1	24.00	1	24.00	494393	3	12.00	4	12.00	2083		3940	1	24.00
12/20/2008	1	24.00	1	24.00	494393	3	12.00	4	12.00	2083		3940	1	24.00
12/21/2008	1	24.00	1	24.00	494339	3	12.00	4	12.00	2083		3940	1	24.00
12/22/2008	1	23.97	1	23.97	494392.8	3	12.05	4	12.02	2083	7.0	3940	1	23.97
12/23/2008	1	23.97	1	23.97	492916.8	3	12.00	4	11.98	2066	7.0	2420	2	23.95
12/24/2008	1	23.97	1	23.97	495024.2	3	12.00	4	12.07	2043	7.0	8290	1	23.97
12/25/2008	1	23.97	1	23.97	494327.9	3	12.00	4	12.07	2044	7.0	7810	1	23.97
12/26/2008	1	23.97	1	23.97	492748.9	3	12.03	4	12.00	2067	7.0	4670	1	23.97
12/27/2008	1	23.97	1	23.97	493206.2	3	12.00	4	12.05	2021	7.0	5740	1	23.97
12/28/2008	1	23.97	1	23.97	492846.8	3	12.00	4	11.98	1985	7.0	4850	1	23.97
12/29/2008	1	23.97	1	23.97	492183.4	3	12.10	4	12.05	2033	7.0	4140	1	23.97
12/30/2008	1	23.97	1	23.97	491713.8	3	12.08	4	11.98	2035	7.0	3340	1	23.97
12/31/2008	2	23.97	2	23.97	489297.4	3	12.00	4	12.02	2068	7.0	3080	1	23.97

DATE	Tower Blower Cycles	Tower Blower Hours	Tower Pump Cycles	Tower Pump Hours	Discharge Flow	Effluent P1 Cycles	Effluent P1 Hours	Effluent P2 Cycles	Effluent P2 Hours	KWH	pH	De-Water Flow	SVE Blower Cycles	SVE Blower Hours
Sum	1557	8286.65	1619	8234.15	152349226	4950	3939.48	1059	3980.42	649977		1065110	413	7798.02
Max	55	24.00	55	24.00	504704	58	23.98	18	23.97	2295	12.0	26620	5	24.00
Average	4	22.64	4	22.50	416255	14	10.76	3	10.88	1776	7.0	2910	1	21.31

Harley-Davidson Motor Company

Northeast Property Boundary Area Well Flow Data

Gallons Pumped

From: 1/1/2008

To: 12/31/2008

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
1/1/2008	769	99	0	3220	0	2525	6207	417	731
1/2/2008	775	101	0	3211	0	2391	6158	415	736
1/3/2008	744	93	114	3207	0	2200	6116	408	741
1/4/2008	765	92	66	3353	0	2077	6094	247	736
1/5/2008	772	88	0	3782	0	2141	6227	0	771
1/6/2008	690	60	0	2479	0	1419	4216	31	538
1/7/2008	2108	120	380	3778	0	2216	6877	135	825
1/8/2008	2419	94	662	3072	0	1884	5695	359	684
1/9/2008	2780	96	703	3574	0	2131	6367	678	792
1/10/2008	2771	96	659	3590	0	2079	6134	676	780
1/11/2008	2767	93	699	3493	0	2114	6129	678	782
1/12/2008	2771	96	685	3480	0	2093	6001	688	776
1/13/2008	2777	87	660	3448	0	2030	5958	685	775
1/14/2008	2776	88	713	3415	0	1994	5940	681	765
1/15/2008	2773	87	753	3369	0	1984	5864	678	771
1/16/2008	2773	82	978	3346	0	1915	5829	679	758
1/17/2008	2954	79	895	3346	0	1868	6121	325	763
1/18/2008	3035	82	567	3380	0	2058	6321	36	763
1/19/2008	3046	79	420	3523	0	2132	6319	30	783
1/20/2008	3029	84	413	3563	0	2068	6319	32	754
1/21/2008	3027	73	504	3477	0	2026	6317	29	746
1/22/2008	3025	79	501	3507	0	2046	6316	34	755
1/23/2008	3050	78	535	3396	0	2058	6318	31	747
1/24/2008	3045	75	777	3399	0	2055	6318	33	744
1/25/2008	3055	73	894	3349	0	2011	6318	30	745
1/26/2008	3043	72	451	3360	0	2018	6318	32	751
1/27/2008	3065	77	0	3343	0	2021	6320	29	744
1/28/2008	3051	70	0	3369	0	2007	6317	30	752
1/29/2008	3031	77	0	3382	0	2019	6320	31	765
1/30/2008	3058	76	0	3305	0	2037	6320	34	756
1/31/2008	3071	68	0	3248	0	1937	6318	29	746
2/1/2008	2311	131	0	2890	0	1990	5317	33	678
2/2/2008	820	113	0	3586	0	3054	6583	44	901
2/3/2008	776	146	0	3464	0	3120	6609	34	968
2/4/2008	768	159	0	3425	0	3090	6662	34	1027

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
2/5/2008	768	153	0	3416	0	3015	6755	34	1043
2/6/2008	784	152	0	3456	0	2939	6746	35	1095
2/7/2008	2695	130	93	3594	0	2918	6767	33	1050
2/8/2008	3785	121	98	3616	0	2822	6895	32	1044
2/9/2008	3747	125	91	3601	0	2719	6863	30	1066
2/10/2008	3724	117	70	3595	0	2655	6831	30	1060
2/11/2008	3659	108	56	3538	0	2566	6710	38	1029
2/12/2008	3525	104	91	3517	0	2395	6721	40	1017
2/13/2008	1050	102	219	2704	0	1921	5159	54	793
2/14/2008	1760	234	634	3418	0	2988	7358	42	1101
2/15/2008	3189	260	224	3617	0	3265	7283	58	1183
2/16/2008	3174	268	153	3626	0	3284	7050	40	1185
2/17/2008	3191	258	132	3627	0	3274	7038	46	1185
2/18/2008	2153	202	384	2497	1326	2202	5359	52	816
2/19/2008	3044	280	560	3683	3316	3222	7514	62	1180
2/20/2008	3014	267	423	3642	3316	3217	7103	51	1185
2/21/2008	3003	255	248	3635	3318	3247	7078	59	1187
2/22/2008	3029	249	306	3636	3313	3217	7110	65	1184
2/23/2008	3015	235	294	3629	3317	3190	7039	69	1187
2/24/2008	3025	231	252	3622	3303	3175	6932	59	1185
2/25/2008	3018	226	248	3601	3301	3160	6859	60	1184
2/26/2008	2997	233	412	3537	3288	3147	7090	59	1184
2/27/2008	3000	251	539	3522	3258	3170	7170	48	1181
2/28/2008	3528	260	436	3529	3301	3541	6813	63	1182
2/29/2008	3881	260	346	3513	3286	3748	6812	69	1188
3/1/2008	3951	251	333	3497	3294	3675	6983	65	1185
3/2/2008	3916	240	301	3491	3258	3588	6843	74	1186
3/3/2008	3816	223	286	3473	3240	3533	6793	66	1187
3/4/2008	3640	219	279	3484	3264	3510	6585	63	1186
3/5/2008	1021	87	226	985	906	1030	1792	13	315
3/6/2008	724	97	236	730	684	774	1348	28	217
3/7/2008	2955	321	723	3000	2509	2785	4912	59	707
3/8/2008	3946	419	729	3993	3315	4228	6527	59	1185
3/9/2008	3946	12	20	3000	135	4400	6500	59	1100
3/10/2008	3946	12	19	3000	135	4400	6500	59	1100
3/11/2008	3000	12	15	2500	132	300	5000	50	900
3/12/2008	4118	384	352	3792	3311	4422	6653	73	1184
3/13/2008	4053	371	303	3701	3321	4417	6543	50	1181
3/14/2008	4129	352	250	3736	3311	4355	6442	43	1184
3/15/2008	4126	338	228	3666	3316	4256	6323	46	1186

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
3/16/2008	4106	319	231	3668	3322	4175	6198	46	1186
3/17/2008	4079	300	226	3597	3316	4074	6104	47	1185
3/18/2008	4062	300	225	3650	3314	4022	6073	53	1189
3/19/2008	4028	306	278	3708	3318	4113	5966	56	1187
3/20/2008	3556	318	643	3260	2862	3600	5534	56	974
3/21/2008	3957	329	687	3607	3317	4391	7156	54	1187
3/22/2008	3807	338	642	3598	3315	4405	7161	59	1185
3/23/2008	3789	330	635	3568	3316	4394	7073	65	1187
3/24/2008	3693	314	633	3556	3314	4365	7033	68	1186
3/25/2008	3694	310	633	3551	3314	4299	7011	59	1185
3/26/2008	3696	302	613	3567	3318	4228	6980	54	1184
3/27/2008	3641	296	586	3515	3313	4165	6932	58	1186
3/28/2008	3653	287	599	3559	3317	4109	6884	60	1182
3/29/2008	3615	278	578	3535	3313	3964	6828	64	1183
3/30/2008	3584	269	561	3495	3316	3867	6784	57	1183
3/31/2008	3638	262	576	3498	3315	3838	6714	64	1183
4/1/2008	3703	267	590	3497	3314	3904	6651	51	1185
4/2/2008	3525	257	567	3455	3317	3774	6586	56	1186
4/3/2008	3502	249	555	1446	3312	3708	5166	61	1184
4/4/2008	3611	245	567	168	3311	3865	4317	65	1188
4/5/2008	3552	245	563	1723	3302	3855	4286	65	1187
4/6/2008	3464	242	501	194	3331	3804	4366	75	1185
4/7/2008	3454	233	492	0	3311	3742	4373	65	1190
4/8/2008	3440	232	495	0	3309	3700	4358	61	1187
4/9/2008	3345	227	501	0	3284	3688	4330	94	1185
4/10/2008	3392	217	543	2240	3209	3657	4219	57	1187
4/11/2008	3363	216	550	3400	3153	3650	4161	52	1186
4/12/2008	3027	195	564	2548	2123	3041	3165	62	914
4/13/2008	3528	221	565	3300	2653	3923	4119	48	1185
4/14/2008	3334	206	534	3288	2635	3853	4106	43	1185
4/15/2008	3302	197	544	3257	2581	3754	4035	43	1183
4/16/2008	3244	193	537	3238	2534	3641	3962	44	1179
4/17/2008	3369	196	609	3735	2885	3557	4881	46	1179
4/18/2008	3338	198	555	3934	3311	3442	4250	43	1189
4/19/2008	3264	193	486	3845	3313	3342	3902	41	1186
4/20/2008	3183	196	468	3827	3294	3430	4270	43	1188
4/21/2008	3122	195	432	3783	3218	3437	4201	39	1186
4/22/2008	3218	183	476	3817	3200	3431	4200	38	1187
4/23/2008	3156	174	488	3806	3081	3430	4256	37	1187
4/24/2008	3214	175	482	3827	3053	3379	4255	39	1186

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
4/25/2008	3173	166	470	3786	3042	3321	4251	40	1185
4/26/2008	3142	176	447	3762	3033	3526	4253	34	1188
4/27/2008	3219	176	514	3680	3029	4067	4274	45	1186
4/28/2008	3299	187	632	3596	3028	4375	4283	43	1428
4/29/2008	2601	181	679	2810	2524	3652	3834	75	1146
4/30/2008	3696	230	671	3596	3234	4770	4635	41	1465
5/1/2008	3480	220	695	3544	3160	4999	4449	44	1458
5/2/2008	3560	222	687	3445	3092	4978	4330	43	1464
5/3/2008	3316	215	651	3474	3080	4401	5148	45	1467
5/4/2008	3280	211	630	3463	3065	3863	5454	41	1469
5/5/2008	1139	146	429	1927	1770	527	3273	100	780
5/6/2008	2454	198	214	2706	2876	2438	5527	193	1187
5/7/2008	3357	181	0	3149	3344	2758	5901	42	1479
5/8/2008	902	49	0	863	934	592	1670	11	418
5/9/2008	1336	169	823	1475	1090	2335	3482	105	767
5/10/2008	2512	239	595	2870	3653	4207	5097	58	1472
5/11/2008	2528	231	61	3136	3157	4137	4697	61	1472
5/12/2008	2523	255	140	3193	2837	4402	4556	52	1465
5/13/2008	2503	332	79	3247	2679	4477	4672	58	1471
5/14/2008	2464	389	77	3466	2675	4495	4803	63	1487
5/15/2008	2103	383	72	3537	2996	4837	4870	61	1471
5/16/2008	1816	381	144	3846	3387	5124	4933	65	1481
5/17/2008	1998	464	92	3712	3362	5128	5007	61	1470
5/18/2008	2034	491	82	3630	3340	5127	5131	62	1470
5/19/2008	2135	495	81	3759	3329	5124	5152	68	1471
5/20/2008	2127	493	80	3727	3303	5113	5263	67	1466
5/21/2008	2237	483	90	3684	3293	5107	5139	71	1471
5/22/2008	2302	476	77	3637	3288	5104	5037	72	1465
5/23/2008	2387	506	73	3597	3289	5100	4986	70	1468
5/24/2008	2365	529	68	3550	3281	5074	4963	66	1467
5/25/2008	2350	515	62	3502	3265	4919	4889	67	1467
5/26/2008	2327	537	73	3457	3257	4726	4781	68	1471
5/27/2008	2310	657	70	3421	3250	4469	4738	67	1470
5/28/2008	2294	803	66	3377	3241	4319	4695	67	1465
5/29/2008	2332	797	130	3329	3229	4204	4643	68	1462
5/30/2008	2312	755	136	3289	3220	3989	4588	63	1466
5/31/2008	2334	779	137	3238	3212	4033	4572	64	1466
6/1/2008	2434	629	126	3196	3202	3931	4532	63	1462
6/2/2008	2480	508	103	3160	3188	3952	4487	60	1468
6/3/2008	2491	382	95	3114	3175	3810	4418	60	1475

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
6/4/2008	2502	246	97	3063	3157	3914	4347	61	1467
6/5/2008	2996	47	62	3033	3090	3886	4860	59	2258
6/6/2008	2793	251	38	3148	3173	3906	4482	52	2328
6/7/2008	2654	331	28	3316	3098	3777	4647	46	2178
6/8/2008	3235	315	25	3270	3069	3735	4528	39	2126
6/9/2008	4066	298	15	3205	2954	3678	4467	40	2019
6/10/2008	4403	281	10	3242	2870	3623	4446	40	1921
6/11/2008	4379	270	8	3262	2834	3549	4405	37	1828
6/12/2008	3528	231	34	2921	2473	3113	4065	59	1526
6/13/2008	4149	250	778	3384	2910	3548	4601	37	1724
6/14/2008	4106	239	839	3343	2819	3517	4538	49	1625
6/15/2008	4064	232	770	3306	2834	3499	4495	46	1563
6/16/2008	4044	222	762	3271	2809	3465	4472	44	1495
6/17/2008	4021	215	729	3289	2777	3406	4444	44	1471
6/18/2008	3990	210	692	3036	2718	3377	4529	44	1392
6/19/2008	4029	197	257	3426	2658	3363	5185	43	1271
6/20/2008	4017	187	29	3542	2584	3313	5256	43	1187
6/21/2008	3997	180	6	3601	2589	3269	5199	41	1123
6/22/2008	3979	173	36	3621	2582	3237	5088	41	1060
6/23/2008	1146	116	155	2627	1902	2286	3392	81	734
6/24/2008	2487	238	163	3281	2431	2856	4085	76	1176
6/25/2008	4349	211	45	3066	2969	3088	5015	35	1578
6/26/2008	4337	200	27	2819	2982	2979	5268	36	1581
6/27/2008	4140	193	8	2931	2944	2925	5086	34	1578
6/28/2008	4155	185	0	3086	2896	2901	4995	34	1571
6/29/2008	4118	178	19	3069	2896	2804	4983	34	1570
6/30/2008	4103	174	40	3064	2898	2722	4921	34	1570
7/1/2008	4073	173	21	3055	2856	2603	4877	34	1505
7/2/2008	3948	170	15	3051	2818	2527	4762	34	1394
7/3/2008	3636	166	6	3052	2812	2465	4702	34	1355
7/4/2008	3707	173	1	3047	2814	2451	4748	36	1296
7/5/2008	3728	166	2	3039	2835	2428	4730	37	1252
7/6/2008	3691	165	4	3046	2830	2348	4722	34	1231
7/7/2008	3858	160	2	3058	2834	2291	4708	31	1196
7/8/2008	3109	158	208	2804	2655	2216	4255	34	1075
7/9/2008	3749	162	527	3093	2968	2370	4701	32	1130
7/10/2008	3758	150	456	3630	2931	2446	4568	31	1087
7/11/2008	3687	148	303	3632	2896	2349	186	33	1049
7/12/2008	3583	148	528	3685	2845	2286	11	32	1009
7/13/2008	3603	148	538	3641	2826	2296	4608	33	991

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
7/14/2008	3331	145	540	3490	2803	2666	4608	30	966
7/15/2008	3318	142	618	3218	2773	2517	4608	32	929
7/16/2008	3296	135	602	3341	2789	2341	4608	31	893
7/17/2008	3374	145	596	1015	2859	2256	4608	35	840
7/18/2008	3511	134	598	2831	2961	2176	4608	33	846
7/19/2008	3467	134	588	3538	2885	2045	4608	31	823
7/20/2008	3443	129	614	3528	2847	2101	4608	35	804
7/21/2008	3421	129	608	3512	2816	2046	4608	33	773
7/22/2008	3027	122	601	3268	2614	1927	4608	32	699
7/23/2008	3226	130	592	3685	2914	2386	4608	34	747
7/24/2008	2661	121	536	3427	2568	2390	4608	42	707
7/25/2008	2827	129	565	3925	2915	2323	4608	30	744
7/26/2008	2738	124	600	3941	2909	2142	4608	30	694
7/27/2008	2695	124	621	3945	2900	2183	4608	32	674
7/28/2008	2863	118	627	3772	2768	2081	4608	34	663
7/29/2008	3062	122	598	3858	2845	1970	4608	32	636
7/30/2008	2668	116	578	3862	2836	1868	4608	32	601
7/31/2008	2568	115	578	3872	2824	1822	4608	33	588
8/1/2008	2511	116	576	3858	2807	1742	4608	31	566
8/2/2008	2472	111	581	3859	2790	1690	4608	31	535
8/3/2008	2461	108	575	3848	2771	1727	4608	32	521
8/4/2008	2420	109	595	3828	3145	1688	7200	31	500
8/5/2008	2418	110	566	3832	3313	1633	7200	32	454
8/6/2008	2405	107	537	3835	3214	1567	7200	32	409
8/7/2008	2776	100	491	3813	3176	1487	7200	62	394
8/8/2008	2635	104	483	3810	2120	1423	7200	31	351
8/9/2008	2603	104	480	3824	1086	1392	7200	31	246
8/10/2008	2634	108	477	3831	987	1382	7200	31	145
8/11/2008	2766	97	508	3682	1076	1473	7200	32	226
8/12/2008	3337	100	558	3805	1097	1440	4674	31	246
8/13/2008	3332	95	506	3796	1062	1408	3541	29	130
8/14/2008	3315	94	226	3774	1622	1392	3045	31	120
8/15/2008	2958	92	506	3549	2036	1437	2311	32	163
8/16/2008	3029	93	506	3723	2052	1400	2737	34	117
8/17/2008	2923	90	506	3734	2026	1271	2601	34	116
8/18/2008	2916	90	506	3711	2029	1210	2244	34	117
8/19/2008	2948	89	506	3684	2042	1133	2044	33	112
8/20/2008	2991	82	506	3666	2022	1011	2147	33	103
8/21/2008	2972	88	506	3657	1976	950	1973	34	100
8/22/2008	2973	87	506	3642	1990	872	1783	34	97

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
8/23/2008	2960	87	506	3629	1981	834	1570	34	94
8/24/2008	1427	86	506	3503	1985	822	1215	34	89
8/25/2008	3842	89	506	3543	2109	806	971	35	97
8/26/2008	3781	84	506	3557	1987	736	751	34	88
8/27/2008	3698	81	506	3555	1992	685	751	34	84
8/28/2008	3643	79	506	3562	2036	648	751	33	80
8/29/2008	3604	81	506	3551	2070	797	751	33	79
8/30/2008	3580	79	506	3523	2093	1095	751	34	78
8/31/2008	3526	75	506	3494	2688	967	751	33	76
9/1/2008	3484	77	506	3480	3311	670	751	34	75
9/2/2008	3471	71	506	3470	2446	572	3288	34	73
9/3/2008	3449	69	506	3455	2006	515	4536	33	73
9/4/2008	1574	74	506	3394	1959	464	2087	33	66
9/5/2008	2493	78	475	3383	2356	433	4035	439	489
9/6/2008	3513	83	698	3228	2615	976	4487	722	803
9/7/2008	3402	84	680	3293	2627	2058	4447	722	810
9/8/2008	3321	85	670	3519	3013	1997	4707	715	798
9/9/2008	2806	88	692	3231	2539	1919	4432	664	720
9/10/2008	3352	89	771	3544	3281	2184	4932	691	821
9/11/2008	3353	90	734	3558	3160	1952	4761	686	827
9/12/2008	3332	87	687	3652	3001	1826	4605	695	830
9/13/2008	3257	91	677	3560	2963	2133	4532	685	823
9/14/2008	3219	90	674	3606	2950	1975	4532	680	819
9/15/2008	3192	86	665	3635	2949	1624	4532	668	821
9/16/2008	3167	84	656	3638	2954	1464	4507	665	828
9/17/2008	3158	82	658	3238	2945	1223	5274	658	826
9/18/2008	3135	84	658	3277	2927	1103	5988	647	822
9/19/2008	3098	82	660	3267	2902	989	5950	634	817
9/20/2008	3072	79	654	3264	2881	905	5942	625	815
9/21/2008	3043	80	644	3247	2845	834	5916	616	813
9/22/2008	2983	78	648	3413	2842	789	5880	865	810
9/23/2008	2945	79	652	3460	2835	737	5868	1173	803
9/24/2008	2924	75	653	3459	2813	715	5865	971	802
9/25/2008	2931	73	652	3485	2793	687	5865	959	803
9/26/2008	2925	70	657	3513	2643	995	5849	956	801
9/27/2008	2854	66	653	3522	2563	1388	5797	942	796
9/28/2008	2815	81	671	3466	2686	2115	5717	922	798
9/29/2008	2817	86	674	3435	2750	1954	5723	951	804
9/30/2008	2913	87	678	3413	2732	1724	5721	970	808
10/1/2008	2923	84	671	3394	2623	1592	5703	949	807

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
10/2/2008	2940	81	668	3464	2525	1383	5709	773	817
10/3/2008	2966	82	661	3499	2517	1214	5704	732	812
10/4/2008	2983	75	657	3466	2508	1188	5680	718	813
10/5/2008	2998	77	656	3437	2498	1144	5663	720	811
10/6/2008	809	58	524	2092	1879	804	3664	545	552
10/7/2008	2182	86	827	3147	3182	1166	5714	713	824
10/8/2008	2924	81	744	3062	3141	1170	5650	714	818
10/9/2008	2964	78	758	3046	2867	1141	5651	707	783
10/10/2008	2989	78	779	3023	2670	972	5629	706	744
10/11/2008	2948	75	772	2993	2648	902	5600	708	731
10/12/2008	2929	69	773	2961	2628	875	5580	708	729
10/13/2008	2922	75	779	2939	2610	873	5571	704	726
10/14/2008	2897	74	775	2910	2580	866	5541	707	725
10/15/2008	2754	73	763	2832	2660	834	5270	694	720
10/16/2008	2863	77	770	2953	3006	854	5455	706	719
10/17/2008	2857	75	731	3380	2682	818	4735	703	763
10/18/2008	2844	71	711	3680	2488	736	4282	703	779
10/19/2008	2846	71	702	3650	2476	629	4275	699	775
10/20/2008	2834	70	693	3592	2455	582	4256	697	772
10/21/2008	2826	69	672	3553	2437	578	4261	697	772
10/22/2008	2839	69	651	3530	2427	467	4274	697	770
10/23/2008	2718	65	688	3308	2297	354	4033	676	728
10/24/2008	2925	68	744	3468	2386	379	4209	687	740
10/25/2008	2911	63	714	3416	2343	643	4180	677	739
10/26/2008	2822	68	713	3355	2280	1529	4103	671	728
10/27/2008	2849	69	693	3342	2240	1359	4116	671	731
10/28/2008	2753	67	658	3188	2384	1495	4664	658	691
10/29/2008	3138	75	701	3510	3048	1465	4939	684	745
10/30/2008	3280	71	709	3216	3079	1199	4780	698	750
10/31/2008	3247	68	650	3416	3004	1042	4703	697	753
11/1/2008	3213	67	570	3372	2655	864	4710	696	750
11/2/2008	3183	63	555	3415	2717	683	4604	698	746
11/3/2008	3024	60	534	3274	2607	506	4386	674	714
11/4/2008	2984	63	534	3151	2595	459	4381	679	715
11/5/2008	2923	64	534	3157	2588	464	4408	676	714
11/6/2008	2874	60	537	3245	2583	468	4435	677	712
11/7/2008	2838	62	538	3219	2574	453	4490	676	712
11/8/2008	2811	64	542	3248	2567	469	4488	676	714
11/9/2008	2790	64	553	3262	2555	382	4418	674	709
11/10/2008	1872	58	557	3112	2450	305	4274	650	680

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
11/11/2008	2885	62	704	3178	2481	260	4416	673	706
11/12/2008	2817	61	650	3236	2497	242	4397	672	703
11/13/2008	2777	58	667	3240	2477	444	4349	669	699
11/14/2008	2743	64	690	3249	2468	836	4336	671	706
11/15/2008	2699	61	696	3617	2462	956	4326	672	712
11/16/2008	2675	65	705	3620	2461	1260	4311	668	709
11/17/2008	2761	66	738	3750	2583	1122	4722	696	740
11/18/2008	2744	65	735	3754	2588	930	4769	696	745
11/19/2008	2728	64	735	3744	2565	822	4686	699	746
11/20/2008	2532	63	742	3712	2563	782	5226	696	744
11/21/2008	2056	64	739	3689	2577	710	5321	701	788
11/22/2008	1911	71	756	1587	2599	664	5011	703	819
11/23/2008	1749	70	765	243	2630	694	4815	707	827
11/24/2008	1561	66	730	202	2462	734	4663	683	784
11/25/2008	1395	68	723	140	2653	954	4614	676	715
11/26/2008	2369	69	762	135	2929	1132	5009	691	742
11/27/2008	3204	62	718	162	2996	939	5012	705	755
11/28/2008	3071	63	663	160	2974	854	5026	703	748
11/29/2008	2868	61	633	170	2982	819	5055	702	738
11/30/2008	2827	60	639	163	2964	710	4993	699	736
12/1/2008	2875	60	648	165	2937	1434	4889	695	733
12/2/2008	2817	65	659	197	2938	1348	4856	693	733
12/3/2008	1781	46	534	105	2061	973	3248	509	505
12/4/2008	2646	69	780	200	3077	1355	4905	693	762
12/5/2008	2624	66	752	187	3034	1282	4904	696	746
12/6/2008	2599	65	721	195	3026	1424	4892	702	742
12/7/2008	2565	62	699	146	3006	1273	4902	708	744
12/8/2008	2553	60	703	166	2969	1159	4878	706	735
12/9/2008	2636	63	701	156	3037	1128	4875	706	734
12/10/2008	2833	62	718	155	3051	1318	5187	706	727
12/11/2008	2858	72	928	159	3007	1660	5297	702	726
12/12/2008	2793	128	928	98	3037	2369	5162	711	801
12/13/2008	2760	135	815	130	3055	2120	5082	720	831
12/14/2008	2936	146	787	184	3088	1858	5051	723	849
12/15/2008	2924	145	772	187	3068	1813	5054	728	847
12/16/2008	2774	145	719	187	2749	2143	5054	664	855
12/17/2008	2774	145	719	187	2749	2143	5054	664	855
12/18/2008	2774	145	719	1514	2749	2143	4460	664	855
12/19/2008	3179	0	793	3911	3385	2464	5173	795	1270
12/20/2008	3179	0	793	3911	3385	2464	5173	795	1270

DATE	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A
12/21/2008	3179	0	793	3911	3385	2464	5173	795	1270
12/22/2008	3179	0	793	3911	3385	2464	5173	795	1270
12/23/2008	3194	100	768	3897	2967	2286	5003	791	1251
12/24/2008	3140	261	734	3907	2737	2432	4981	793	1256
12/25/2008	3146	361	744	3876	2727	2549	4859	797	1297
12/26/2008	3183	388	747	3777	2726	2498	4807	795	1329
12/27/2008	3197	404	750	3747	2766	2558	4788	798	1356
12/28/2008	3326	408	780	3819	2678	2607	4790	798	1379
12/29/2008	3228	389	781	3676	2602	2610	4780	799	1385
12/30/2008	3164	376	778	3661	2590	2624	4738	797	1380
12/31/2008	3188	356	780	3724	2620	2607	4702	798	1382
Sum	1089270	61334	174005	1138698	881107	867834	1831389	103554	347222
Average	2976	168	475	3111	2407	2371	5004	283	949

Harley-Davidson Motor Company

TCA and West Parking Lot Area Well Flow Data

Gallons Pumped

From: 1/1/2008

To: 12/31/2008

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
1/1/2008	141600	0	92533	0	70184	95807	6893
1/2/2008	139300	0	92525	0	70162	95590	6919
1/3/2008	133400	0	86963	0	70177	95555	6896
1/4/2008	141400	0	100358	0	67785	92426	6645
1/5/2008	148600	0	106219	0	70177	95917	6861
1/6/2008	96500	0	71157	0	46736	63815	4515
1/7/2008	146500	0	105375	0	70225	95921	6715
1/8/2008	120800	0	87775	0	60609	82745	5745
1/9/2008	141300	0	99002	0	70192	95935	6566
1/10/2008	141700	0	99588	0	70190	95948	6545
1/11/2008	141800	0	100207	0	70179	95956	6481
1/12/2008	141500	0	99494	0	70182	95990	6441
1/13/2008	142400	0	99700	0	70177	95973	6400
1/14/2008	141700	0	99250	0	70155	89312	6351
1/15/2008	142700	0	99357	0	70187	80624	6366
1/16/2008	142000	0	99262	0	70170	80588	6217
1/17/2008	82200	0	99323	0	70181	80578	6161
1/18/2008	76900	0	99779	0	70194	80300	6223
1/19/2008	142600	0	99943	0	70227	80453	6214
1/20/2008	145400	0	100054	0	70240	80340	6196
1/21/2008	144900	0	99831	0	70192	79949	6070
1/22/2008	142800	0	99972	0	70212	79951	5967
1/23/2008	142000	0	100450	0	70189	79926	5868

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
1/24/2008	143100	0	102233	0	70190	79934	5795
1/25/2008	143400	0	103003	0	70183	79933	5752
1/26/2008	142400	0	102338	0	70210	79959	5628
1/27/2008	141900	0	101500	0	70218	79952	5671
1/28/2008	141600	0	101537	0	70175	79929	5664
1/29/2008	141500	0	101569	0	70188	79943	5688
1/30/2008	141500	0	101580	0	70193	79949	5870
1/31/2008	141800	0	101552	0	70175	79932	5783
2/1/2008	141900	0	101594	0	70185	79525	5945
2/2/2008	143200	0	101795	0	70169	86545	6085
2/3/2008	144100	0	101827	0	70226	91729	6027
2/4/2008	142200	0	102211	0	70201	103797	5903
2/5/2008	141700	0	102891	0	70182	106569	5871
2/6/2008	141300	0	102925	0	70176	106574	5784
2/7/2008	49500	0	30052	0	70582	106610	5836
2/8/2008	129000	0	55250	0	70431	106580	5772
2/9/2008	141000	0	102000	0	70172	106555	5704
2/10/2008	141000	0	102000	0	70163	106568	5663
2/11/2008	141000	0	90950	0	70142	106564	5625
2/12/2008	135125	0	54721	0	62620	95107	5101
2/13/2008	149800	0	105729	0	70170	105782	5787
2/14/2008	150400	0	105931	0	70215	105588	5792
2/15/2008	150400	0	106123	0	70266	105891	5764
2/16/2008	150500	0	106299	0	70382	106360	5755
2/17/2008	150400	0	106312	0	70434	106378	5713
2/18/2008	150200	0	106018	0	70310	106063	5638
2/19/2008	150300	0	106702	0	70316	106044	5668

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
2/20/2008	150500	0	106404	0	70322	106003	5668
2/21/2008	150400	0	106363	0	70308	106116	5659
2/22/2008	150300	0	106477	0	70332	106183	5607
2/23/2008	150400	0	106528	0	70365	106263	5571
2/24/2008	150200	0	106139	0	70320	106191	5561
2/25/2008	149900	0	106031	0	70239	105974	4992
2/26/2008	149800	0	106209	0	70218	105912	4757
2/27/2008	150200	0	106361	0	70222	106098	4762
2/28/2008	150000	0	106382	0	70076	106262	4767
2/29/2008	150000	0	106420	0	70173	106372	4751
3/1/2008	150000	0	106645	0	70187	106463	4698
3/2/2008	149900	0	106499	0	70159	106406	4641
3/3/2008	149500	0	106238	0	70130	106284	4577
3/4/2008	149400	0	106308	0	70129	106237	4514
3/5/2008	64700	0	45999	0	30275	45856	1942
3/6/2008	65900	0	47425	0	19909	47462	2258
3/7/2008	131500	0	102513	0	41069	103186	6300
3/8/2008	150900	0	123346	0	70627	129267	7347
3/9/2008	150000	0	123000	0	70000	129000	7350
3/10/2008	150000	0	123000	0	70000	129000	7350
3/11/2008	120000	0	100000	0	55000	100000	5819
3/12/2008	150200	0	122989	0	70163	133544	7286
3/13/2008	150100	0	122624	0	70172	133880	7239
3/14/2008	149900	0	122616	0	70154	133984	7225
3/15/2008	150100	0	122897	0	70137	134030	7141
3/16/2008	149800	0	122712	0	70079	132042	6990
3/17/2008	149700	0	122412	0	70078	120924	7046

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
3/18/2008	149500	0	122276	0	70116	116780	7067
3/19/2008	149400	0	122073	0	70075	116808	6921
3/20/2008	139200	0	118045	0	62680	113475	6755
3/21/2008	149700	0	122257	0	69744	117729	6931
3/22/2008	149600	0	122837	0	5035	118211	6881
3/23/2008	149300	0	122582	0	17826	118124	6841
3/24/2008	143800	0	117810	0	57158	117489	3200
3/25/2008	149200	0	121763	0	81914	124565	5855
3/26/2008	148800	0	121633	0	84500	124411	6724
3/27/2008	148800	0	121599	0	78063	114244	6750
3/28/2008	148800	0	121729	0	75064	109280	6684
3/29/2008	148800	0	121763	0	75057	109284	6676
3/30/2008	148600	0	121662	0	75023	109254	6582
3/31/2008	148500	0	121554	0	74944	109225	6500
4/1/2008	148500	0	121501	0	74845	109183	6404
4/2/2008	148500	0	121688	0	74886		6343
4/3/2008	148500	0	121755	0	71597	84847	6170
4/4/2008	148500	0	121818	0	72814	76346	5991
4/5/2008	148500	0	122080	0	74934	88618	5824
4/6/2008	148300	0	121971	0	74757	95911	5803
4/7/2008	148100	0	121764	0	74572	95900	5708
4/8/2008	148100	0	121697	0	74540	95905	5582
4/9/2008	148000	0	121460	0	74488	95886	5437
4/10/2008	147900	0	121064	0	74482	95880	5452
4/11/2008	147700	0	120845	0	74422	95846	5535
4/12/2008	148200	0	121252	0	74429	95380	5407
4/13/2008	148400	0	121565	0	74460	95530	5039

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
4/14/2008	148100	0	121473	0	74420	95229	4956
4/15/2008	147900	0	121549	0	74418	95208	4851
4/16/2008	147700	0	121536	0	74400	95071	4954
4/17/2008	147500	0	120829	0	74449	94925	4892
4/18/2008	147500	0	119632	0	74544	94888	4868
4/19/2008	147600	0	118780	0	74648	94939	4807
4/20/2008	147700	0	116976	0	74536	94915	4429
4/21/2008	148000	0	117075	0	74440	94831	4404
4/22/2008	147900	0	117685	0	74416	94833	4450
4/23/2008	147800	0	116487	0	74422	94793	4365
4/24/2008	147800	0	114347	0	74462	94853	4237
4/25/2008	147700	0	114500	0	74449	94691	4079
4/26/2008	147200	0	114669	0	74253	93948	4574
4/27/2008	148400	0	116810	0	74528	94748	5157
4/28/2008	148500	0	117431	0	74450	94549	5156
4/29/2008	148300	0	118193	0	74409	103789	4907
4/30/2008	148500	0	118817	0	74293	117377	4795
5/1/2008	148400	0	118646	0	74233	117241	4936
5/2/2008	148200	0	119851	0	74335	117399	5053
5/3/2008	148300	0	120477	0	74375	117712	4830
5/4/2008	148300	0	117699	0	72994	115212	5441
5/5/2008	148000	0	119597	0	69029	116200	5945
5/6/2008	148200	0	120124	0	43808	106181	6168
5/7/2008	148100	0	97658	0	61101	75618	5290
5/8/2008	147700	0	119014	0	81299	92526	6738
5/9/2008	148000	0	119763	0	81362	92628	6798
5/10/2008	148200	0	120878	0	81405	92639	6860

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
5/11/2008	148200	0	120803	0	81437	92669	6853
5/12/2008	148600	0	121161	0	81297	101556	6842
5/13/2008	148700	0	121297	0	81297	114053	7016
5/14/2008	149100	0	121275	0	81283	118988	6963
5/15/2008	149200	0	121332	0	81259	118521	7080
5/16/2008	148400	0	121378	0	81395	118106	7348
5/17/2008	149600	0	121962	0	81516	124567	7256
5/18/2008	149800	0	122163	0	81563	128791	7223
5/19/2008	149600	0	123483	0	88499	128523	7143
5/20/2008	149700	0	123608	0	89118	128524	7327
5/21/2008	149700	0	123567	0	89087	128491	7236
5/22/2008	149600	0	123527	0	88939	128421	7244
5/23/2008	149500	0	123717	0	88984	128503	7249
5/24/2008	149500	0	123698	0	88979	128559	7239
5/25/2008	149400	0	123512	0	88735	128559	7323
5/26/2008	149200	0	122923	0	81060	128547	7250
5/27/2008	148800	0	122153	0	77112	128381	7213
5/28/2008	149100	0	122452	0	77556	128329	7173
5/29/2008	149000	0	122534	0	77543	128227	7069
5/30/2008	148800	0	122372	0	77549	128251	7022
5/31/2008	148900	0	122267	0	77621	128390	6983
6/1/2008	148800	0	121834	0	77578	128362	7181
6/2/2008	148700	0	121015	0	77555	119990	7153
6/3/2008	148600	0	120996	0	77595	117102	7136
6/4/2008	148600	0	120728	0	77623	117269	7100
6/5/2008	148500	0	120657	0	77624	117126	6954
6/6/2008	148500	0	120389	0	77663	117293	6918

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
6/7/2008	148400	0	120075	0	77737	117387	6886
6/8/2008	148300	0	119497	0	77767	117338	6905
6/9/2008	148000	0	119196	0	77678	117178	6988
6/10/2008	147800	0	119056	0	77730	117134	6795
6/11/2008	147900	0	119007	0	77726	116773	6604
6/12/2008	124300	0	104401	0	69673	96748	4099
6/13/2008	147300	0	121268	0	82037	109500	6218
6/14/2008	147500	0	121230	0	81940	109470	6532
6/15/2008	147500	0	121311	0	71804	109324	6324
6/16/2008	147100	0	121242	0	79996	109182	6245
6/17/2008	147400	0	121333	0	75980	108951	6080
6/18/2008	147600	0	121464	0	74763	99723	5986
6/19/2008	147700	0	119115	0	74674	96516	5864
6/20/2008	147500	0	118420	0	74837	96628	5987
6/21/2008	147500	0	118304	0	74888	96693	6110
6/22/2008	147200	0	118017	0	74895	96723	6001
6/23/2008	99200	0	79837	0	50492	65222	4072
6/24/2008	133500	0	109050	0	72356	89501	5534
6/25/2008	147700	0	120877	0	76629	101484	6098
6/26/2008	146000	0	120691	0	75871	101330	6059
6/27/2008	143300	0	117388	0	73739	98458	5904
6/28/2008	147500	0	120920	0	75823	101348	6040
6/29/2008	147200	0	121121	0	75761	101368	5967
6/30/2008	147800	0	120180	0	75801	101358	5941
7/1/2008	147800	0	118947	0	75772	101346	5825
7/2/2008	147700	0	115936	0	75740	101149	5712
7/3/2008	147600	0	114458	0	75930	87031	5670

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
7/4/2008	146500	0	114262	0	76077	81131	5690
7/5/2008	147700	0	114445	0	75898	80955	5655
7/6/2008	147600	0	115248	0	75834	80901	5629
7/7/2008	147300	0	114134	0	75689	80677	5635
7/8/2008	124400	0	100306	0	66276	70462	5143
7/9/2008	147300	0	115363	0	75877	80474	5579
7/10/2008	147500	0	115763	0	75737	80085	5550
7/11/2008	147400	0	115652	0	75771	80126	5379
7/12/2008	147500	0	115526	0	75857	80193	5410
7/13/2008	147500	0	115449	0	75909	80053	5500
7/14/2008	148200	0	115806	0	75743	87148	5621
7/15/2008	147200	0	115834	0	75678	92537	5629
7/16/2008	148100	0	115623	0	75698	92553	5630
7/17/2008	146400	0	115637	0	75687	92556	5631
7/18/2008	147400	0	115686	0	75688	92544	5597
7/19/2008	147500	0	115852	0	75781	92613	5583
7/20/2008	147500	0	115429	0	75786	92633	5481
7/21/2008	147200	0	115007	0	75625	92587	5416
7/22/2008	134900	0	105759	0	69292	85140	4996
7/23/2008	147700	0	115766	0	75600	93462	5292
7/24/2008	132600	0	103688	0	67693	83701	4491
7/25/2008	147900	0	115737	0	75639	93566	4939
7/26/2008	147800	0	115766	0	75718	93592	5014
7/27/2008	147800	0	115657	0	75679	93555	4824
7/28/2008	143700	0	112660	0	73571	90852	4484
7/29/2008	147400	0	115787	0	75538	93167	4500
7/30/2008	147200	0	115653	0	75564	93322	4446

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
7/31/2008	147300	0	115472	0	75527	93246	4301
8/1/2008	147100	0	115283	0	75509	93255	4190
8/2/2008	147400	0	115257	0	75544	93430	3928
8/3/2008	147400	0	115259	0	75499	93453	3581
8/4/2008	147100	0	115129	0	75486	93457	4666
8/5/2008	147100	0	115068	0	75503	93492	5243
8/6/2008	146900	0	114891	0	75453	93369	5057
8/7/2008	146000	0	114053	0	75134	93110	5024
8/8/2008	147000	0	114343	0	75432	93609	4819
8/9/2008	147100	0	113999	0	75421	93613	4737
8/10/2008	147200	0	113551	0	75779	93463	4750
8/11/2008	147300	0	113495	0	75741	92774	4563
8/12/2008	147100	0	113775	0	75847	92695	4459
8/13/2008	147000	0	113698	0	75895	92666	4499
8/14/2008	146900	0	113558	0	75928	92724	4495
8/15/2008	138900	0	107688	0	71819	87622	4223
8/16/2008	147200	0	114437	0	76189	92978	4500
8/17/2008	147100	0	114006	0	76180	92969	4494
8/18/2008	146900	0	113628	0	76151	92831	4389
8/19/2008	146800	0	112919	0	76155	92976	4355
8/20/2008	146800	0	112218	0	69712	93031	4233
8/21/2008	146800	0	111677	0	68289	92922	4165
8/22/2008	146400	0	111512	0	68293	90576	4294
8/23/2008	144200	0	111364	0	68311	89527	4216
8/24/2008	44500	0	108992	0	66919	87705	4268
8/25/2008	146100	0	111319	0	68324	89467	4309
8/26/2008	113200	0	111911	0	68300	89519	3872

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
8/27/2008	137000	0	110911	0	68276	89435	3808
8/28/2008	137000	0	110395	0	68304	89545	1433
8/29/2008	137200	0	110274	0	68320	89529	2715
8/30/2008	137300	0	110960	0	68360	89567	4638
8/31/2008	137200	0	110815	0	68403	89575	4595
9/1/2008	137100	0	110567	0	68454	89599	4307
9/2/2008	137000	0	109770	0	68395	89294	4165
9/3/2008	136900	0	109342	0	68396	89177	4228
9/4/2008	108400	0	100506	0	62756	81609	3875
9/5/2008	136700	0	109117	0	68455	88770	4173
9/6/2008	137300	0	102691	0	68444	88273	4283
9/7/2008	144300	0	102578	0	68399	87958	4177
9/8/2008	146400	0	102815	0	78936	87898	4050
9/9/2008	128500	0	92274	0	70942	78477	3864
9/10/2008	147200	0	102959	0	78889	101178	4037
9/11/2008	147000	0	103000	0	78832	104957	4063
9/12/2008	147000	0	103100	0	78844	105063	4101
9/13/2008	147500	0	103191	0	78858	105019	4243
9/14/2008	147200	0	103107	0	78930	105066	4271
9/15/2008	146600	0	103112	0	78960	105175	4319
9/16/2008	146600	0	103047	0	78871	105147	3952
9/17/2008	146400	0	102664	0	78546	105068	3919
9/18/2008	146500	0	102879	0	72310	105015	4363
9/19/2008	146400	0	102872	0	70002	99578	4281
9/20/2008	146400	0	102815	0	70003	97986	4180
9/21/2008	146300	0	102717	0	70000	97996	4179
9/22/2008	146100	0	102725	0	69991	97679	4217

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
9/23/2008	146000	0	102660	0	69956	97646	4194
9/24/2008	146000	0	102750	0	69924	97406	3940
9/25/2008	146000	0	102718	0	69903	91083	3909
9/26/2008	146100	0	102612	0	69906	90502	3880
9/27/2008	146400	0	102897	0	69939	90008	3939
9/28/2008	146900	0	103301	0	69974	89719	3931
9/29/2008	146800	0	103275	0	70037	89969	3942
9/30/2008	146600	0	103282	0	76503	89932	3938
10/1/2008	146600	0	103321	0	76877	89690	3948
10/2/2008	146500	0	103429	0	76839	89679	4090
10/3/2008	146400	0	103317	0	76831	89658	4086
10/4/2008	146300	0	103311	0	76814	89630	4099
10/5/2008	146300	0	103080	0	76853	89677	4108
10/6/2008	93100	0	65687	0	49282	57288	2705
10/7/2008	145600	0	102787	0	76973	89672	3962
10/8/2008	145500	0	101888	0	76849	89620	3932
10/9/2008	145300	0	101885	0	76915	89664	3944
10/10/2008	145300	0	102116	0	76883	89654	3936
10/11/2008	145300	0	102336	0	76855	89657	3851
10/12/2008	145300	0	102320	0	76823	89669	3940
10/13/2008	145200	0	101908	0	68042	89638	3943
10/14/2008	145100	0	101807	0	73474	89557	3945
10/15/2008	140200	0	98001	0	71484	86312	3794
10/16/2008	146200	0	99189	0	74188	89657	3943
10/17/2008	146500	0	95594	0	74124	89649	3939
10/18/2008	146500	0	95499	0	74003	89602	3945
10/19/2008	146300	0	95589	0	69959	86438	3922

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
10/20/2008	144200	0	95536	0	69243	79788	3804
10/21/2008	139300	0	95829	0	69376	79228	3936
10/22/2008	138700	0	96126	0	69383	79143	3908
10/23/2008	131200	0	90810	0	65457	74937	3409
10/24/2008	139700	0	95828	0	69298	79578	3672
10/25/2008	139900	0	96274	0	69430	79536	3666
10/26/2008	147300	0	96890	0	69432	79301	3641
10/27/2008	103700	0	67979	0	48771	55562	2413
10/28/2008	0	0	59	0	0	0	0
10/29/2008	0	0	61	0	0	0	0
10/30/2008	0	0	65	0	0	0	0
10/31/2008	0	0	62	0	0	0	0
11/1/2008	0	0	64	0	0	0	0
11/2/2008	0	0	59	0	0	0	0
11/3/2008	0	0	62	0	0	0	0
11/4/2008	0	0	58	0	0	0	0
11/5/2008	0	0	57	0	0	0	0
11/6/2008	0	0	56	0	0	0	0
11/7/2008	0	0	60	0	0	0	0
11/8/2008	0	0	58	0	0	0	0
11/9/2008	0	0	59	0	0	0	0
11/10/2008	0	0	61	0	0	0	0
11/11/2008	0	0	56	0	0	0	0
11/12/2008	0	0	53	0	0	0	0
11/13/2008	0	0	56	0	0	0	0
11/14/2008	0	0	52	0	0	0	0
11/15/2008	0	0	60	0	0	0	0

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
11/16/2008	0	0	54	0	0	0	0
11/17/2008	0	0	56	0	0	0	0
11/18/2008	0	0	66	0	0	0	0
11/19/2008	66200	0	44213	0	32326	36284	1781
11/20/2008	146200	0	97301	0	70985	79862	3947
11/21/2008	146300	0	98529	0	84675	91716	4550
11/22/2008	146500	0	98306	0	90024	122089	4609
11/23/2008	146500	0	96601	0	88311	127581	4314
11/24/2008	91800	0	94510	0	75196	117932	2555
11/25/2008	92600	0	95592	0	74411	85374	3656
11/26/2008	142700	0	102856	0	80659	93751	5199
11/27/2008	146700	0	105781	0	82759	107389	5344
11/28/2008	146700	0	105743	0	75864	107300	5251
11/29/2008	146600	0	103173	0	77479	104650	5207
11/30/2008	146600	0	103868	0	73225	98878	5320
12/1/2008	146900	0	104666	0	72988	98106	5342
12/2/2008	146800	0	104293	0	72951	97988	5343
12/3/2008	99200	0	71860	0	50394	67675	3680
12/4/2008	146300	0	103974	0	80051	98513	5342
12/5/2008	146200	0	103387	0	80392	98437	5345
12/6/2008	146300	0	103526	0	80376	98356	5346
12/7/2008	146300	0	103456	0	72991	98382	5344
12/8/2008	146200	0	103405	0	69436	98230	5348
12/9/2008	146100	0	103315	0	69418	98158	5347
12/10/2008	146100	0	103337	0	69331	97987	5345
12/11/2008	146400	0	105794	0	69292	97120	5346
12/12/2008	147500	0	107500	0	69383	96718	5345

DATE	CW-8	CW-16	CW-9	CW-20	CW-13	CW-17	CW-15A
12/13/2008	147700	0	107702	0	78090	104392	5353
12/14/2008	147400	0	108332	0	78972	106196	5341
12/15/2008	147100	0	108647	0	78979	106195	5346
12/16/2008	147400	0	109459	0	78893	116170	5294
12/17/2008	147400	0	109459	0	78893	116170	5294
12/18/2008	147400	0	109459	0	78893	116170	5294
12/19/2008	148000	0	109008	0	88636	121838	5486
12/20/2008	148000	0	109008	0	88636	121838	5486
12/21/2008	148000	0	109008	0	88636	121838	5486
12/22/2008	148000	0	109008	0	88636	121838	5486
12/23/2008	147800	0	108899	0	88516	122252	5484
12/24/2008	147800	0	109596	0	83970	122167	5485
12/25/2008	147800	0	109875	0	83570	122224	5492
12/26/2008	147700	0	109652	0	83556	122048	5484
12/27/2008	147700	0	109780	0	83574	121951	5490
12/28/2008	147400	0	109754	0	83546	121851	5490
12/29/2008	147400	0	109351	0	83552	121944	5489
12/30/2008	147400	0	109300	0	83550	122019	5472
12/31/2008	147500	0	109176	0	83507	120462	5419
Sum	49209025	0	37504763	0	25105291	34033398	1832640
Average	134451	0	102472	0	68594	93242	5007

APPENDIX C

2008 Operation and Maintenance Data Summary

TABLE 1
2008 OPERATION AND MAINTENANCE DATA SUMMARY
Former York Naval Ordnance Plant

TECHNICIAN	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL
Date	1/4/2008	1/17/2008	2/8/2008	2/28/2008	3/6/2008	3/20/2008	4/3/2008	4/17/2008	5/1/2008	5/15/2008	6/5/2008	6/19/2008	7/10/2008	7/24/2008	8/4/2007	8/14/2008	9/8/2008	9/22/2008	10/2/2008	10/17/2008	11/7/2008	11/25/2008	12/10/2008	12/23/2008
PTA INFL. PUMP																								
Full Load = 17 AMPS	NM	NM	13.24	NM	NM	NM	NM	NM	14.23	NM	NM	NM	NM	NM	NM	12.71	NM	NM	NM	NM	NM	12.87	NM	NM
FLOW RATE gpm	318	305	321	335	323	330	328	329	352	358	355	340	323	328	317	320	323	305	319	306	42	210	319	352
PTA BLOWER																								
Full Load = 24 AMP READINGS	NM	NM	20.27	NM	NM	NM	NM	NM	19.92	NM	NM	NM	NM	NM	NM	19.65	NM	NM	NM	NM	NM	20.48	NM	NM
PRESSURE inches water	16.5	16	15.5	16.5	15.5	15.5	15.5	15.5	15.25	15	15	10.5	9.5	9.5	9.5	10	9.5	10.5	10.5	10.75	8.25	11	11	13
TOWER PANEL																								
VISUAL INSPECT	NA	NA	OK	NA	NA	NA	NA	NA	OK	NA	NA	NA	NA	NA	NA	OK	NA	NA	NA	NA	NA	OK	NA	NA
WARWICK SECURE	NA	NA	OK	NA	NA	NA	NA	NA	OK	NA	NA	NA	NA	NA	NA	Y	NA	NA	NA	NA	NA	OK	NA	NA
TOWER SAMPLING																								
AST EFFLUENT pH	7.8	NM	8.1	NM	8.0	NM	8.2	NM	8.1	NM	8.1	NM	8.0	NM	8.0	NM	8.0	NM	8.0	NM	7.3	NM	7.8	NM
AST INFLUENT pH	6.6	7.25	6.7	7.3	7.1	7.3	7	7.28	7.1	7.31	7.0	6.99	6.8	6.90	6.8	6.94	6.8	7.01	6.8	7.06	6.4	7.09	6.8	7.16
TFO PROPANE TANK																								
PRE-REGULATOR psi	50	55	60	45	70	70	60	75	80	100	105	75	110	100	100	105	110	90	80	80	95	65	80	50
POST-REGULATOR psi	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
TCA WELLS																								
CW-8; Full Load = 15.9 AMPS	NM	NM	12.58	NM	NM	NM	NM	NM	12.71	NM	NM	NM	NM	NM	NM	11.96	NM	NM	NM	NM	NM	NM	NM	NM
CW-8 FLOW RATE gpm	99	97.6	NM	104	104	103	103	101	103.1	103	102.5	102.1	102	101.9	100.5	100.5	101	102.1	102.1	102	OL	OL	101	102
CW-8 PRESSURE psi	100	Broken	58	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	OL	OL	65	65
CW-8 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-8 CLEAN CK. VALVE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-8 HIGH LEVEL ALARM	N	N	N	N	N	N	N	N	N	N	Y	N	N	Y	N	N	N	N	N	N	Y	Y	N	N
WPL WELLS																								
TOTAL FLOW RATE gpm	191	178	NM	198	200	220	198	207	219.3	229	225	209	193.1	200	200.9	201	191	191	192.2	184.1	OL	191	191.9	224
CW-9; Full Load = 15.9 AMPS	NM	NM	16.79	NM	NM	NM	NM	NM	16.16	NM	NM	NM	NM	NM	NM	16.25	NM	NM	NM	NM	NM	15.92	NM	NM
CW-9 FLOW RATE gpm	91.4	69.5	NM	73.5	72.9	85.4	85.0	84.1	83.1	85.1	83.8	84.8	80.4	81.1	80.5	80.4	71.1	72.4	72.4	67.1	OL	73.4	71.5	75.1
CW-9 PRESSURE psi	19	19	16	18	18	18	19	16	18	16	17	19	16	16	16	16	18	18	18	18	OL	18	18	18
CW-9 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-9 HIGH LEVEL ALARM?	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
CW-13; Full Load = 11.5 AMPS	NM	NM	9.93	NM	NM	NM	NM	NM	9.47	NM	NM	NM	NM	NM	NM	9.56	NM	NM	NM	NM	NM	8.91	NM	NM
CW-13 FLOW RATE gpm	48.5	48.6	48.8	49.1	49.1	48.6	55.8	51.9	51.4	56.5	54.1	51.9	52.5	52.5	52.8	52.9	54.9	48.8	53.4	51.8	OL	57.9	48.1	61.5
CW-13 PRESSURE psi	12	12	12	12	13	12	13	13	14	14	13	13	13	13	13	13	13	13	13	13	OL	13	12	14
CW-13 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-13 HIGH LEVEL ALARM?	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
CW-17; Full Load = 11.5 AMPS	NM	NM	12.04	NM	NM	NM	NM	NM	11.38	NM	NM	NM	NM	NM	NM	11.01	NM	NM	NM	NM	NM	11.31	NM	NM
CW-17 FLOW RATE gpm	66.4	55.9	73.9	73.4	73.1	81.1	52.8	66.1	81.4	83.5	81.5	67.1	56.1	65.1	65.1	64.5	61.1	67.4	62.5	62.4	OL	55.9	68.4	86.5
CW-17 PRESSURE psi	16	15	16	17	17	17	15	12	18	14	14	17	10	10	20	10	16	17	16	14	OL	16	16	20
CW-17 CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-17 HIGH LEVEL ALARM?	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
CW-15A; Full Load = 1.6 AMPS	NM	NM	1.39	NM	NM	NM	NM	NM	1.48	NM	NM	NM	NM	NM	NM	1.34	NM	NM	NM	NM	NM	1.38	NM	NM
CW-15A FLOW RATE gpm	4.5	4.5	4.1	3.1	4.1	5.0	4.4	3.1	3.4	4.9	4.4	4.1	4.1	3.4	2.5	3.1	2.4	2.9	3.9	2.8	OL	3.1	3.9	3.8
CW-15A PRESSURE psi	82	82	82	80	84	74	72	63	54	63	38	37	48	8	7	75	77	70	59	62	OL	77	67	78
CW-15A CLEAN "Y" STRAINER	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N
CW-15A HIGH LEVEL ALARM?	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
SVE influent pressure inches of water	12	11.5	11	11.5	11	10.5	OL	10.5	10.5	10.5	10	10	9.5	10	9.5	10	9.5	10	10	10	OL	10.5	11	11
AST influent pressure inches of water	12.0	11.75	11.5	12.0	11.5	11.0	11.0	11.5	11.5	10.5	10.5	11.0	10.0	10.0	10.0	10.0	9.5	10.5	10.25	11.0	8.5	10.5	11.5	NM
GAC influent pressure inches of water	8.5	8.0	8.0	8.5	7.5	7.0	7.5	7.5	7.0	7.25	6.5	6.5	6.5	6.5	6.5	6.5	7.0	6.5	6.75	6.5	6.0	7.0	7.0	7.5
SVE pitot pressure inches of water	0.04	0.04	0.04	0.04	0.04	0.04	OL	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	OL	0.035	0.02	0.035
AST pitot pressure inches of water	0.35	0.34	0.32	0.35	0.34	0.32	0.38	0.33	0.36	0.32	0.32	0.32	0.31	0.33	0.32	0.33	0.34	0.35	0.35	0.35	0.28	0.21	0.33	0.37
SVE vacuum inches of water	48	48	48	48	48	48	OL	48	48	48	48	48	48	48	48	48	48	48	48	48	OL	48	48	48

Y - Yes NA - Not Applicable NR - Not Recorded
N - No NM - Not Measured OL - Off Line

TABLE 1
2008 OPERATION AND MAINTENANCE DATA SUMMARY
Former York Naval Ordnance Plant

TECHNICIAN	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL	SRL
Date	1/4/2008	1/17/2008	2/8/2008	2/28/2008	3/6/2008	3/20/2008	4/3/2008	4/17/2008	5/1/2008	5/15/2008	6/5/2008	6/19/2008	7/10/2008	7/24/2008	8/4/2007	8/14/2008	9/8/2008	9/22/2008	10/2/2008	10/17/2008	11/7/2008	11/25/2008	12/10/2008	12/23/2008
NPBA WELLS																								
VIS. INSP. CONTR. PANEL	NA	NA	OK	NA	NA	NA	NA	NA	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	OK	NA	NA
WARWICK SECURE	NA	NA	OK	NA	NA	NA	NA	NA	OK	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	OK	NA	NA
SUMP PUMP OPR. CHK.	OK	OK	OK	OK	OK	Y	Y	OK	Y	OK	OK	Y	OK	Y	OK	OK	OK	OK	Y	Y	Y	Y	OK	OK
MANIFOLD PRESS. psi	2	5	2	5	9	9	0	12	10.5	0	5	1	4	7	1	3	12	12	7	10	2	0	4	0
CW-1; Full Load = 1.6 AMPS	NM	NM	1.38	NM	NM	NM	NM	NM	1.47	NM	NM	NM	NM	NM	NM	1.55	NM	NM	NM	NM	NM	1.58	NM	NM
CW-1 FLOW-RATE gpm	2.2	1.9	2.6	2.1	2.4	2.7	2.8	2.8	2.7	1.7	1.7	2.7	2.6	2.2	1.7	2.4	2.2	2.2	2.1	2.1	2.1	0.4	1.8	2.2
CW-1 PRESSURE psi	20	100	92	96	90	90	86	83	83	80	0	36	38	32	30	28	35	28	30	30	18	0	64	40
CW-1 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1 CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1 HIGH LEVEL ALARM?	N	Y	N	Y	Y	Y	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N
CW-1A; Full Load = 1.6 AMPS	NM	NM	1.59	NM	NM	NM	NM	NM	1.61	NM	NM	NM	NM	NM	NM	1.49	NM	NM	NM	NM	NM	1.51	NM	NM
CW-1A FLOW-RATE gpm	0.5	0.5	0.5	3.3	0.5	0.5	0.5	3.0	0.5	0.5	OL	1.1	1.9	0.5	1.5	1.1	1.2	1.5	0.5	0.5	1.7	1.7	1.1	0.4
CW-1A PRESSURE psi	30	20	25	30	36	28	32	22	36	50	OL	52	20	25	35	25	40	32	30	30	18	20	30	30
CW-1A CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1A CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1A CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-1A HIGH LEVEL ALARM?	N	N	N	N	N	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N
CW-2; Full Load = 1.6 AMPS	NM	NM	1.47	NM	NM	NM	NM	NM	1.44	NM	NM	NM	NM	NM	NM	1.55	NM	NM	NM	NM	NM	1.61	NM	NM
CW-2 FLOW-RATE gpm	OL	2.2	0.7	1.8	1.2	1.1	0.9	0.9	0.8	0.9	0.6	1.1	0.6	0.7	0.8	0.8	0.4	0.4	0.5	0.6	0.4	0.8	0.5	0.5
CW-2 PRESSURE psi	OL	5	20	100	104	110	102	96	84	62	50	112	116	112	113	112	38	30	34	50	30	80	40	30
CW-2 CLEAN "Y" STRAINER	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-2 CLEAN CK. VALVE	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-2 CLEAN FLOWSENSOR	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-2 HIGH LEVEL ALARM?	Y	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
CW-3; Full Load = 1.6 AMPS	NM	NM	1.24	NM	NM	NM	NM	NM	1.33	NM	NM	NM	NM	NM	NM	1.28	NM	NM	NM	NM	NM	NM	NM	NM
CW-3 FLOW-RATE gpm	2.2	2.4	2.5	2.4	2.4	2.7	3.0	2.2	2.4	2.3	2.0	3.3	2.1	2.5	2.6	2.6	2.3	2.2	2.4	2.0	2.3	OL	OL	2.7
CW-3 PRESSURE psi	30	0	66	65	74	64	52	70	48	36	20	70	88	82	77	72	65	60	45	40	68	OL	OL	46
CW-3 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
CW-3 CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
CW-3 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y
CW-3 HIGH LEVEL ALARM?	Y	Y	N	N	Y	Y	N	N	N	N	Y	N	N	Y	N	N	Y	N	N	Y	N	Y	Y	N
CW-4; Full Load = 1.6 AMPS	NM	NM	OL	NM	NM	NM	NM	NM	1.18	NM	NM	NM	NM	NM	NM	1.09	NM	NM	NM	NM	NM	1.24	NM	NM
CW-4 FLOW-RATE gpm	OL	OL	OL	2.2	2.6	2.6	2.3	1.7	2.2	1.9	2.1	2.4	2.1	2.0	1.9	2.9	2.4	2.0	1.8	2.0	1.9	1.8	2.5	2.4
CW-4 PRESSURE psi	OL	OL	OL	34	42	16	10	5	48	86	76	80	79	77	72	5	62	44	42	54	96	98	45	85
CW-4 CLEAN "Y" STRAINER	OL	OL	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-4 CLEAN CK. VALVE	OL	OL	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-4 CLEAN FLOWSENSOR	OL	OL	OL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-4 HIGH LEVEL ALARM?	Y	Y	Y	N	Y	Y	N	Y	N	Y	N	N	N	N	Y	N	N	N	N	N	N	Y	N	N
CW-5; Full Load = 6 AMPS	NM	NM	3.22	NM	NM	NM	NM	NM	3.50	NM	NM	NM	NM	NM	NM	3.15	NM	NM	NM	NM	NM	2.85	NM	NM
CW-5 FLOW-RATE gpm	1.7	1.7	2.5	2.2	2.6	2.9	2.8	2.5	3.2	3.2	2.6	2.0	2.1	1.8	2.0	2.0	1.8	1.9	1.9	1.5	2.0	1.7	1.7	3.4
CW-5 PRESSURE psi	72	80	70	82	82	80	70	70	80	80	74	70	72	74	70	72	72	72	72	73	70	76	72	78
CW-5 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-5 CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-5 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-5 HIGH LEVEL ALARM?	N	N	N	Y	N	Y	N	N	Y	N	Y	N	N	Y	N	N	N	N	N	N	N	N	N	N
CW-6; Full Load = 1.6 AMPS	NM	NM	1.31	NM	NM	NM	NM	NM	1.35	NM	NM	NM	NM	NM	NM	1.36	NM	NM	NM	NM	NM	1.34	NM	NM
CW-6 FLOW-RATE gpm	3.8	4.0	6.0	4.8	4.6	4.9	3.1	2.6	5.1	4.0	3.6	4.4	3.3	3.3	3.1	5.1	2.9	4.1	4	3.8	3.5	4.8	3.3	3.7
CW-6 PRESSURE psi	50	18	52	25	30	24	18	14	35	54	16	30	28	14	16	60	38	16	16	20	62	30	45	12
CW-6 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-6 CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-6 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-6 HIGH LEVEL ALARM?	N	N	N	Y	N	Y	Y	Y	N	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	N
CW-7; Full Load = 1.6 AMPS	NM	NM	1.54	NM	NM	NM	NM	NM	1.47	NM	NM	NM	NM	NM	NM	1.69	NM	NM	NM	NM	NM	1.49	NM	NM
CW-7 FLOW-RATE gpm	1.1	0.4	0.9	0.5	0.5	1.8	1.0	1.0	0.5	1.3	1.0	0.9	0.5	0.5	0.7	1.0	0.8	0.4	0.7	0.5	0.4	0.5	0.6	0.4
CW-7 PRESSURE psi	124	122	18	18	20	40	20	43	40	70	30	70	18	24	30	100	80	120	40	54	40	70	95	40
CW-7 CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7 CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7 CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7 HIGH LEVEL ALARM?	Y	Y	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	Y	N
CW-7A; Full Load = 1.6 AMPS	NM	NM	1.24	NM	NM	NM	NM	NM	1.22	NM	NM	NM	NM	NM	NM	1.43	NM	NM	NM	NM	NM	1.44	NM	NM
CW-7A FLOW-RATE gpm	0.8	0.5	0.9	0.7	1.0	0.8	0.8	0.8	1.0	1.4	1.0	1.9	1.1	1.0	0.5	1.0	0.6	1.0	0.6	0.8	0.3	0.5	0.7	1.1
CW-7A PRESSURE psi	118	100	128	130	130	132	13	130	130	138	132	124	126	124	37	120	50	122	60	128	22	30	70	80
CW-7A CLEAN "Y" STRAINER	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7A CLEAN CK. VALVE	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7A CLEAN FLOWSENSOR	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CW-7A HIGH LEVEL ALARM?	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N

Y - Yes
N - No
NA - Not Applicable
NM - Not Measured
NR - Not Recorded
OL - Off Line

APPENDIX D

Historical Groundwater Sampling Data Summary

MW-2
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordinance Plant - York, PA

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9295	7/22/1986 W-10957	1/29/1992 33304-1	6/22/1993 50026-3	7/13/1994 62834-3	10/27/1995 7814208	7/17/1996 8606301	10/22/1997 10096203	12/9/1998 298120377001	9/21/1999	3/20/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	NA	NA	NA	0.01	NA	**1**	**1**	**1.3**
Cyanide, total	1.06	1.04	1.5	0.12	1.9	2.8	1.7	1.5	1.6	2.3	0.0101	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.012	0.016	0.02	ND	2.8	1.7	1.5	0.2	0.3	0.356	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.04	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.672	0.800	0.350	0.240	0.150	0.360	0.210	0.250	0.180	0.098	0.130	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	0.005	0.003	ND	ND	NA	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.405	0.500	0.170	0.100	0.071	0.120	0.068	0.120	0.089	0.057	0.037	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-2 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordinance Plant - York, PA

Sample Date Laboratory ID Parameter/Units	6/21/2001 183596-4	6/14/2002 210005-2	6/4/2003 236799004	6/9/2004 536959	6/15/2005 642747	6/22/2006 C6F230124001	6/28/2007 C7F290182-009	5/8/2008	9/17/2008			ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	ND			0.006	0.006	0.006
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	0.00047 BZ			0.050	0.050	0.01
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND			0.004	0.004	0.004
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND			0.005	0.005	0.005
Chromium, total	NA	NA	NA	NA	NA	NA	NA	0.0017 B	0.0121 J			0.100	0.100	0.1
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	ND	NA			0.100	0.100	NR
Copper	NA	NA	NA	NA	NA	NA	NA	ND	0.00095			1	1	1.3
Cyanide, total	3.92	1.47	1.67	1.0	0.49	1.390	1.280	1.300	0.930			NR	NR	0.2
Cyanide, free*	0.852	0.043	0.247	0.22	0.28	0.011	0.014	0.100 J	0.100 J			0.200	0.200	NR
Lead	NA	NA	NA	NA	NA	NA	NA	ND	0.00011 B			0.005	0.005	0.0015
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	ND			0.002	0.002	0.002
Nickel	NA	NA	NA	NA	NA	NA	NA	0.0025 B	0.0071			0.100	0.100	NR
Zinc	NA	NA	NA	NA	NA	NA	NA	0.0097 BJ	0.0189			2	2	NR
Detected Volatile Organics (mg/L)														
Acetone	ND	ND	ND	NA	NA	NA	NA	ND	ND			3.7	10	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.005	0.005	0.005
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.1	0.1	0.08
Carbon Disulfide	ND	ND	ND	NA	NA	NA	NA	ND	ND			1.9	4.1	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.005	0.005	0.005
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.1	0.1	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.23	0.9	NR
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.1	0.1	0.08
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.027	0.11	NR
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.007	0.007	0.007
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.005	0.005	0.005
cis-1,2-Dichloroethene	0.0025	0.0012	NA	ND	ND	ND	ND	ND	ND			0.07	0.07	0.07
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.7	0.7	0.7
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0018 J	0.0023 B			0.005	0.005	0.005
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND			1	1	1
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.2	0.2	0.2
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.005	0.005	0.005
Tetrachloroethene (PCE)	0.169	0.273	0.184	0.085	0.100	0.120	0.091	0.120	0.110			0.005	0.005	0.005
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.1	0.1	0.1
Trichloroethene (TCE)	0.048	0.090	0.0372	0.021	0.027	0.025	0.020	0.019	0.014			0.005	0.005	0.005
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.002	0.002	0.002
Xylenes (Total)	ND	ND	ND	NA	NA	NA	NA	ND	ND			10	10	10

ND = Not Detected
NA = Not Applicable
NR = Not Reported
* = Reported as available cyanide from 2006 on.

MW-5
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9298	7/22/1986 W-10960	12/11/1998 298120447013	9/14/1999	3/24/2000	6/19/2001 1833303-3	6/11/2002 209609-2	6/2/2003 236548001	6/7/2004 535797	6/14/2005 642268	6/21/2006 C6F220113003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	0.0086	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.007	ND	ND	ND	ND	ND	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	0.039	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.0007 J	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	ND	0.0009 J	0.0017	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.040	0.025	ND	0.027	0.017	NA	0.011	0.0056	0.0055	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	0.001	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.009	ND	ND	NA	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	0.0004 J	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.001	ND	ND	ND	0.0004 J	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.013	0.040	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.037	0.063	0.034	0.030	0.00112	0.014	0.0024	0.0038	0.0054	0.0010 J	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	0.001	ND	ND	ND	0.0012	ND	ND	ND	0.0006 J	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-5 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/25/2007 C7F260143-002	4/24/2008	9/5/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
				Residential	Non-Residential	
Metals/Inorganics (mg/L)						
Antimony	NA	ND	0.000078 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	0.00025 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	0.0044 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	0.0188 B	0.0066	**1**	**1**	**1.3**
Cyanide, total	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	ND	0.000058 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	ND	0.0029	**0.100**	**0.100**	**NR**
Zinc	NA	0.0045 BJ	0.0049 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)						
Acetone	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.0004 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.0032 J	0.0022	0.0044	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	0.00019 J	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	ND	0.0011	0.00078 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	0.00023 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-6
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordinance Plant

Sample Date Laboratory ID Parameter/Units	5/15/1986 W-9726	7/22/1986 W-10961	4/3/1990 16626-1	4/28/1994 60167-2	7/11/1994 62787--1	12/11/1998 298120447012	9/21/1999	3/23/2000	6/19/2001 183330-4	6/11/2002 209610-1	6/2/2003 236549003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residentia	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.09	ND	ND	NA	0.028	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.016	0.005	0.024	0.001	0.003	0.0025	0.001	0.00111	0.0012	0.0015	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.004	0.005	0.018	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	0.001	NA	ND	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.002	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-6 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordinance Plant

Sample Date Laboratory ID Parameter/Units	6/8/2004 535791	6/13/2005 641864	6/20/2006 C6F210138006	6/25/2007 C7F260143-005	4/25/2008	9/8/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	0.000049 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	0.00038 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	ND	ND	ND	0.0044 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	0.0188 B	0.0011 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	0.002 B	0.0089 B	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	0.00220 B	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	0.0041 J	ND	ND	0.000072 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	0.0057 B	0.0029 B	0.0034 B	0.0029	**0.100**	**0.100**	**NR**
Zinc	0.0136	0.0151 B	0.0177 BJ	0.0078 BJ	0.0089 BJ	0.0061	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	0.00032 J	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	ND	ND	ND	ND	ND	0.00023 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-7
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/29/1986 W-9299	7/22/1986 W-10962	4/2/1990 16575-1	2/28/1991 24605-2	4/28/1994 60204-4	7/11/1994 62787-3	9/28/1999	4/5/2000	6/4/2003 236798001	6/9/2004 536961	6/17/2005 643729	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	NA	ND	0.03	0.067	NA	0.077	0.0635	0.0489	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.1	NA	0.07	0.0548	0.0375	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.01	NA	ND	ND	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	NA	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	ND	NA	ND	ND	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	NA	ND	ND	ND	NA	ND	0.005	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	0.04	NA	ND	ND	ND	NA	ND	0.0118	0.0396	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	NA	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	0.0716	0.07	0.019	0.027 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.002	0.018	0.003	0.035	0.090	0.500	0.590	0.302	0.12	0.12	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.0018	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	0.570	NA	NA	0.33	0.33	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.005	0.053	0.009	0.050	0.140	1.5	1.20	0.599	0.19	0.2	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.001	ND	ND	ND	ND	ND	ND	0.0012	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.035	0.105	0.430	0.180	0.310	0.700	0.580	0.685	0.555	0.720	0.640	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.110	1.04	NA	0.260	0.160	0.270	NA	ND	0.0023	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.600	2.076	1.70	0.510	0.790	1.800	4.0	3.5	2.82	1.5	1.4	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = Estimated value, less than the quantification limit but greater than zero

MW-7 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/23/2006 C6F240114012	6/28/2007 C7F290182-014	5/19/2008	10/1/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)							
Antimony	NA	NA	ND	0.000087 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	ND	0.00012 BJ	**0.005**	**0.005**	**0.005**
Chromium, total	0.0762	0.048	0.0513	0.0927 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.076	0.045	0.062	0.096	**0.100**	**0.100**	**NR**
Copper	NA	NA	0.0019 B	0.0029 J	**1**	**1**	**1.3**
Cyanide, total	NA	NA	0.0017 J	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	0.0027 BJ	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	0.00044 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	0.00017 B	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0016 B	ND	ND	0.0042	**0.100**	**0.100**	**NR**
Zinc	0.0068 BJ	0.0068 BJ	0.0048 B	0.007	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)							
Acetone	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	0.017 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.085	0.090	0.094	0.077	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.350	0.310	0.290	0.300	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	0.039 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.096	0.096	0.096	0.085	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.400	0.700	0.480	0.300	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.1	1.2	1.100	1.000	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = Estimated value, less than the quantification limit but greater than zero

MW-10
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	12/4/1986 W-13762	4/15/1987 W-17323	1/29/1992 33304-1	6/22/1993 50026-1	7/15/1994 62962-1	10/31/1995 7819201	7/16/1996 8602601	10/22/1997 10066506	12/8/1998 298120377007	9/15/1999	3/27/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	0.25	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Zinc	0.12	NA	NA	NA	NA	NA	NA	NA	NA	0.04	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.066	0.150	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.001	0.025	0.030	0.470	NA	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.034	0.156	0.630	1.3	0.570	0.530	0.370	0.480	0.540	0.019	0.537	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-10 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/22/2001 183728-3	6/14/2002 210005-1	6/4/2003 236799005	6/9/2004 536228	6/16/2005 643208	6/21/2006 C6F220113001	6/26/2007 C7F270128-008	5/9/2008	9/22/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	NA	NA	ND	NA	NA	ND	0.00031 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	0.00063 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	NA	NA	0.00053 B	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	ND	NA	NA	ND	0.0121 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	ND	0.0003 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	ND	NA	NA	0.0019 B	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	ND	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	ND	NA	NA	ND	0.000048 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	0.000095 BJ	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	ND	NA	NA	0.0015 B	0.00054 B	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	0.0153 B	NA	NA	0.0017 BJ	0.004 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.205	0.029	NA	0.036	0.130	0.077	0.110	0.260	0.290	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.012 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.015	0.190	0.214	0.160	0.220	0.280	0.280	0.062	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	0.0051 J	0.015 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-12
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/26/1987 W-18623	10/31/1990 21862-1	2/6/1991 24064-2	4/25/1991 26065-2	1/29/1992 33304-2	6/22/1993 50026-2	7/14/1994 62961-2	10/11/1995 7825002	7/18/1996 8609101	10/23/1997 10097301	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	0.003	ND	ND	NA	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.018	0.009	0.007	0.005	0.002	NA	NA	ND	0.005	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.036	0.190	0.032	0.029	0.075	0.024	NA	NA	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.0	2.8	0.540	0.560	0.900	0.300	0.220	0.360	0.300	0.32	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit

MW-12 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	12/8/1998 298120377008	9/20/1999	4/3/2000	6/20/2001 183492-6	6/18/2002 210168-1	6/4/2003 236799006	6/8/2004 535798	6/16/2005 643206	6/22/2006 C6F230124006	6/28/2007 C7F290182-005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	NA	NA	ND	ND	ND	0.0026 B	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	0.0052	NA	NA	NA	ND	0.0044	0.0034 B	0.0043 B	0.0043 B	**0.100**	**0.100**	**NR**
Zinc	NA	0.069	NA	NA	NA	ND	0.0152	0.0436	0.0093 BJ	0.0062 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.014	0.009	ND	0.06	0.032	NA	0.0062 J	0.0082 J	0.014	0.011	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.011	ND	0.0085	0.0042	0.0024	0.0061	0.005	0.0032 J	0.0043 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	ND	0.0003 J	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.11	0.14	0.537	0.448	0.309	0.18	0.21	0.2	0.19	0.140	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-12 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/6/2008	9/16/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.000073 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0091 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	0.0016 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	0.00370 B	0.00160 BJ	**0.200**	**0.200**	**NR**
Lead	ND	0.000065 B	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.003 BJ	0.008	**0.100**	**0.100**	**NR**
Zinc	0.0034 BJ	0.0062	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.00091 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.0009 J	0.013	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	0.0004 J	0.00088 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0021	0.0021	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.056	0.044	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
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NR = Not Reported
J = estimated value, below reporting limit
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-17
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/27/1987 W-18705	1/30/1992 33362-5	6/24/1993 50154-2	7/14/1994 62961-5	7/16/1996 8602602	10/22/1997 10096204	12/10/1998 298120447001	9/14/1999	3/23/2000	6/20/2001 183492-2	6/11/2002 209610-3	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	0.001	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	0.013	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	ND	ND	NA	0.0011	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	0.004	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.010	0.006	0.003	0.002	0.001	0.001	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.003	0.003	0.002	0.002	0.002	0.003	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.254	0.160	0.170	0.140	0.099	0.12	0.07	0.063	0.075	0.072	0.076	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-17 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/3/2003 236625001	6/7/2004 535790	6/15/2005 642743	6/20/2006 C6F210138001	6/25/2007 C7F260143-007	4/28/2008	9/12/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	0.00019 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	ND	0.0049 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	0.00036 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	NA	ND	0.0018 BJ	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	NA	0.00160 BJ	0.00160 BJ	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	0.00046 B	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	0.0035 B	0.0029 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.0007 J	0.0013 J	ND	0.0011 J	0.0013	0.001	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.0007 J	0.0005 J	ND	ND	0.00064 J	0.0005 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.0009 J	0.0007 J	ND	ND	0.00041 J	0.0006 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0798	0.051	0.054	0.040	0.042	0.040	0.033	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-32D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	10/6/1989 12936-1	10/30/1990 21863-2	2/6/1991 24064-6	4/25/1991 26065-6	1/30/1992 33362-4	11/2/1995 7829504	7/16/1996 8602605	10/22/1997 10096202	12/10/1998 298120447003	9/28/1999	9/28/1999	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.031	0.03	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.028	0.03	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.04	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	0.012	ND	ND	0.002	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.075	0.38	0.085	0.10	0.048	0.064	0.061	0.048	0.044	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.39	0.84	0.045	0.081	0.064	0.21	0.11	0.092	0.160	0.13	0.12	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.004	0.10	ND	ND	0.002	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.620	0.80	0.77	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	0.006	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	3.3	100	0.285	0.31	0.17	0.26	0.25	0.063	0.098	0.096	0.09	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.04	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.03	ND	0.02	0.076	0.082	0.26	0.23	0.078	0.130	0.1	0.093	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.045	0.10	0.19	NA	0.031	ND	ND	NA	NA	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.37	0.12	0.33	0.82	0.83	2.70	2.70	1.0	2.40	1.6	1.5	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/6/2000	6/26/2001 183969-6	6/14/2002 210002-4	6/6/2003 237022004	6/10/2004 536962	6/21/2005 644485	6/22/2006 C6F230124007	6/29/2007 C7F300109-001	5/8/2008	10/2/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.000088 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	ND	ND	ND	0.0041 B	ND	ND	0.0084 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00032 BJ	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	ND	ND	ND	0.0028 B	ND	ND	0.000078 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	ND	ND	ND	ND	0.0014 B	0.0028 B	0.0029	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	ND	0.0093	ND	0.0087 BJ	0.0042 BJ	0.0026 BJ	0.0035 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.0558	0.098	0.020	0.0158	0.0089 J	0.0033 J	0.0085 J	0.004 J	0.017 J	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.153	0.086	0.0360	0.0229	0.020	0.0084	0.024	0.0096	0.065	0.035	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.0018	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.295	0.239	NA	0.240	0.130	0.310	0.110	0.450	0.340	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	**0.005**	**0.005**	**0.005**
Toluene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.0858	0.025	0.021	0.0204	0.0059 J	0.0020 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.017 J	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0778	0.032	0.075	0.0644	0.012	0.0036	0.025	0.0062	0.056	0.049	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.0045	ND	0.0052	0.0052	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.20	0.343	0.847	0.292	0.160	0.048	0.350	0.079	0.970	0.560	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.0539	0.892	0.036	0.0511	0.025	0.014	0.0056 J	0.0035 J	0.021 J	0.014 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-32S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	10/5/1989 12921-1	10/30/1990 21863-1	2/6/1991 24064-4	4/25/1991 26065-5	1/31/1992 33374-4	11/2/1995 7829505	7/16/1996 8602604	10/21/1997 10092001	12/10/1998 298120447002	9/29/1999	4/6/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0017	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0014	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.017	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0057	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0068	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	0.015	0.01	0.015	0.005	0.006	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.15	0.19	0.27	0.23	0.12	0.07	0.035	0.036	0.033	0.024	0.0292	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.85	0.58	1.40	1.20	0.65	0.26	0.098	0.078	0.063	0.032	0.0528	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.005	0.01	0.015	0.005	0.012	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.310	0.074	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.015	ND	ND	ND	NA	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	7.30	5.40	11.0	9.50	4.80	0.94	0.64	0.260	0.130	0.32	0.331	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.010	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.075	0.015	0.035	0.21	0.15	0.15	0.15	ND	ND	0.027	0.047	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.03	0.045	0.14	0.11	NA	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.355	0.13	0.235	1.0	0.72	0.46	0.93	0.043	0.0071	0.30	0.58	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-32S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/25/2001 183854-6	6/14/2002 210002-1	6/5/2003 236925004	6/8/2004 535801	6/16/2005 643217	6/21/2006 C6F220113007	6/27/2007 C7F280142-006	5/23/2008	9/22/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	0.000061 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	0.016	0.0073	0.0037 B	0.0133	0.0108	0.0069	0.0282 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	0.01	ND	ND	ND	0.013	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	ND	0.0006 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	NA	NA	0.00350 BJ	0.00260 BJ	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	ND	ND	ND	0.000063 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	ND	0.0017 B	ND	0.0016	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	0.0132	0.0264 B	0.0088 BJ	0.0088 BJ	0.0278 J	0.0032 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.0014	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.039	0.126	0.0468	0.020	0.016	0.019	0.016	0.013 J	0.017	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.044	ND	0.0036	0.031	0.026	0.018	0.018	0.015	0.020	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.124	0.0016	NA	0.084	0.065	0.060	0.050	0.074	0.069	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0061 J	0.0071 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.279	0.0042	0.0069	0.370	0.160	0.160	0.110	0.100	0.110	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.057	ND	ND	0.025	0.010	0.016	0.016 J	0.022	0.026	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.0014	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.497	0.001	0.0152	0.340	0.160	0.230	0.170	0.240	0.260	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	0.014	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-34D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-4	10/30/1990 21863-4	2/6/1991 24064-5	4/25/1991 26065-7	1/31/1992 33374-5	9/28/1999	9/28/1999	4/5/2000	6/13/2002 209854-2	6/4/2003 236798002	6/8/2004 535794	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	0.0094	0.0092	NA	NA	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	0.01	ND	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	0.053	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	0.019	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.003	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.014	0.014	0.01	0.009	0.007	ND	ND	0.00186	ND	ND	0.0007 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.008	0.016	0.008	0.009	0.006	ND	ND	0.00287	0.0029	0.0031	0.0006 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.038	0.032	0.017	0.013	0.004	0.013	0.1	0.0117	ND	0.0026	0.0047	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.12	0.12	NA	0.0067	NA	0.043	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	0.004	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.22	0.34	0.13	0.11	0.015	0.019	0.017	0.0138	ND	0.0017	0.0044 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.102	0.028	0.18	0.039	0.066	0.097	0.083	0.118	0.0027	0.0186	0.014	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.039	0.058	0.035	0.10	NA	NA	ND	ND	0.001	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.43	0.11	0.29	0.10	0.09	0.29	0.28	0.306	0.0084	0.0685	0.150	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	ND	ND	NA	ND	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-34D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/16/2005 642753	6/20/2006 C6F210138004	6/26/2007 C7F270128-005	5/6/2008	9/17/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)								
Antimony	NA	NA	NA	ND	0.00011 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	ND	0.00041 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0012 B	0.0025 B	0.0037 B	0.0099 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	ND	0.0012 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	0.0033 J	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	ND	0.0012	**0.100**	**0.100**	**NR**
Zinc	0.0308	0.0184 BJ	0.0067 BJ	0.002 BJ	0.0023 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)								
Acetone	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.00046 J	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	0.0012 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	0.0013 J	0.0017 J	0.0029 J	0.0034 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.023	0.042	0.039	0.031	0.054	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	0.0013 J	0.0025 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	0.0019 J	0.0013 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.003	0.014	0.010	0.011	0.020	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.054	0.085	0.083	0.110	0.140	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-34S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-3	1/30/1992 33362-1	6/30/1993 50281-1	7/15/1994 62962-2	11/2/1995 7829508	7/17/1996 8606303	10/21/1997 10092002	12/11/1998 298120447011	9/14/1999	3/24/2000	6/12/2002 209746-2	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	0.0071	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	0.02	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	0.006	NA	NA	ND	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	0.032	0.006	ND	ND	0.006	ND	ND	ND	ND	0.00151	0.0045	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.003	ND	ND	0.002	ND	ND	ND	ND	0.00104	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.004	ND	ND	0.005	0.006	0.008	0.0077	0.001	0.0029	0.0023	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	0.052	0.01	NA	0.019	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.024	0.037	0.04	0.08	0.025	0.022	0.019	0.016	0.005	0.00607	0.0034	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.21	0.63	0.16	0.12	0.15	0.220	0.120	0.04	0.114	0.077	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.055	0.14	0.06	NA	ND	ND	ND	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.013	0.17	0.49	0.018	0.15	0.24	0.280	0.290	0.085	0.125	0.082	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	ND	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-34S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/4/2003 236798003	6/8/2004 535793	6/15/2005 642752	6/20/2006 C6F210138005	6/26/2007 C7F270128-006	4/28/2008	9/10/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	NA	NA	NA	NA	NA	ND	0.00012 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	ND	0.0018 B	0.0012 B	ND	0.0061 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	0.0007 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	NA	0.00200 BJ	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	ND	0.0017 B	ND	0.00074 B	**0.100**	**0.100**	**NR**
Zinc	ND	0.0106	0.0323	0.0096 BJ	0.0075 BJ	0.0055 B	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.0019 J	0.004 J	0.0025 J	0.0016	0.0032	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.0008 J	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	0.0012 J	ND	ND	ND	0.00056 J	0.00045 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.012	0.0055	0.0063	0.0072	0.0069	0.0042	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.0008 J	0.0007 J	ND	ND	0.00039 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0055	0.0033	0.0035	0.0045 J	0.0029 J	0.0043	0.0037	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0095	0.036	0.024	0.023	0.016	0.021	0.016	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-35D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	7/19/1989 11299-5	2/28/1991 24605-5	11/2/1995 7829507	7/17/1996 8606304	10/21/1997 10092003	12/11/1998 298120447017	9/29/1999	4/4/2000	6/21/2001 183596-6	6/12/2002 209746-5	6/5/2003 236924001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	0.0076	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	0.0098	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	0.04	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.009	0.007	0.009	ND	ND	ND	ND	0.00116	0.0013	0.001	0.0013	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.004	0.007	0.005	ND	ND	ND	ND	0.00193	0.0023	0.0012	0.0021	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.015	0.010	0.011	0.006	0.008	0.0083	0.006	0.00475	0.0058	0.0028	0.0057	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.073	0.063	NA	0.051	0.030	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.0023	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.06	0.048	0.049	0.016	0.015	0.011	0.007	0.00546	0.0045	0.0023	0.0036	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.03	0.08	0.069	0.053	0.090	0.056	0.051	0.0361	0.056	0.021	0.0339	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.059	NA	ND	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.38	0.20	0.14	0.15	0.280	0.290	0.17	0.128	0.190	0.088	0.188	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-35D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/30/2004	6/21/2005 645309	6/21/2006 C6F220113008	6/27/2007 C7F280142-002	5/6/2008	9/17/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	0.00017 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	0.0017 B	0.0081 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	ND	0.00075 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	ND	0.0023 B	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	ND	0.00250 BJ	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	ND	0.000032 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	ND	0.0012	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	0.0052 BJ	0.004 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.0024 J	0.0023 J	0.00092 J	0.0012 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.0018 J	0.0017 J	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0094 J	0.0035	0.0031 J	0.0032 J	0.0027 J	0.0025 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.120	0.058	0.060	0.058	0.039	0.037	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	0.0023 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011 J	0.0039 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.014	0.012	0.0093	0.016 J	0.0078	0.0067	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.320	0.120	0.140	0.130	0.100	0.084	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-37D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-1	4/3/1990 16626-4	1/30/1992 33362-6	6/24/1993 50154-3	4/28/1994 60167-3	7/12/1994 62785-1	10/27/1995 7814401	7/15/1996 8598502	10/20/1997 10087202	12/14/1998 298120511002	9/17/1999	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	NA	ND	0.02	NA	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	NA	ND	ND	NA	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	0.02	0.04	NA	NA	ND	ND	NA	NA	NA	NA	0.021	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.017	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.23**	**0.9**	**NR**
Chloroform	0.007	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.015	0.01	0.009	ND	0.02	ND	0.039	ND	0.028	0.018	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.021	0.014	0.004	ND	0.01	ND	0.20	0.23	0.075	0.042	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.260	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.21	0.13	0.11	0.05	1.00	3.20	1.70	2.10	0.760	0.460	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.90	0.35	0.47	0.72	0.43	27.0	20.0	21.0	1.80	1.90	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.077	0.08	0.14	ND	NA	NA	ND	ND	NA	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.54	0.16	0.10	0.23	0.28	7.60	6.0	7.50	1.70	0.760	1.2	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.005	ND	ND	ND	ND	ND	ND	ND	ND	0.017	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/7/2000	4/7/2000	6/26/2001 183969-7	6/19/2002 210273-2	6/6/2003 237022003	6/7/2004 535788	6/14/2005 642750	6/23/2006 C6F240114005	6/29/2007 C7F300109-009	5/14/2008	10/1/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00069 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00078 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00012 BJ	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0099 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00098 BJ	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00016 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0017	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0018 BJ	0.0123	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	0.0029	0.001	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.0217	ND	0.035	0.015	0.011	0.0092 J	0.014 J	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0965	0.0552	0.136	0.043	0.0207	0.030	0.036 J	ND	0.0066 J	0.031 J	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.689	0.259	NA	0.170	0.27	0.0063	0.080	0.140	0.140	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 J B	ND	**0.005**	**0.005**	**0.005**
Toluene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.866	0.310	1.22	0.332	0.262	0.220	0.400	0.006	0.098	0.390	0.280	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	7.04	11.5	10.50	1.960	1.25	1.60	1.70	0.063	0.290	2.600	2.500	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	0.0044	0.0015	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.59	5.06	4.820	1.010	0.485	0.630	0.960	0.025	0.220	0.980	0.900	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.0269	ND	0.033	ND	ND	0.0058 J	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-37S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-2	4/3/1990 16626-3	1/31/1992 33374-6	4/28/1994 60204-3	7/12/1994 62785-2	10/27/1995 7814310	7/15/1996 8598501	10/20/1997 10087201	12/14/1998 298120511001	9/22/1999	4/3/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.81	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.06	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.004**	**0.004**	**0.004**
Cadmium	44.03	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.78	ND	NA	ND	0.02	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	1.49	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**1**	**1**	**1.3**
Cyanide, total	0.025	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	0.01	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.99	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0024	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	1.3	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Zinc	4	0.04	NA	ND	ND	NA	NA	NA	NA	ND	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	0.007	NA	ND	ND	ND	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.003	ND	0.016	0.08	ND	ND	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	0.004	0.003	ND	ND	ND	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.032	0.033	0.021	0.04	0.08	0.01	0.003	0.007	0.013	0.006	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.018	0.011	0.03	ND	0.02	0.006	ND	0.003	0.0085	0.004	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.160	0.11	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	0.023	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	0.82	0.55	0.88	1.20	1.80	0.073	0.023	0.074	0.280	0.14	0.0963	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	3.30	2.40	4.10	2.60	2.70	0.22	0.097	0.280	0.620	0.89	0.680	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.58	0.28	0.32	NA	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.64	0.37	0.51	0.28	0.40	0.064	0.02	0.550	0.190	0.13	0.0944	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.023	ND	0.028	ND	ND	ND	ND	0.004	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-37S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/25/2001 183854-4	6/12/2002 209745-5	6/3/2003 236625003	6/7/2004 535787	6/21/2005 645311	6/23/2006 C6F240114004	6/29/2007 C7F300109-010	5/14/2008	5/14/2008	9/18/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.00032 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.0065 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.00097 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.000064 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.001	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.001	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	0.0063 BJ	0.0063 BJ	0.0045 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.0012	0.001	ND	ND	ND	ND	0.0014 J	0.0011 J	0.0035 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.0052	0.0048	0.0017	0.003 J	0.0021 J	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0025	0.0012	ND	0.0012 J	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.165	0.121	NA	0.056	0.03	0.013	0.073	0.0089 J	0.0094 J	0.024	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.002 JB	0.0029 JB	0.0053 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.110	0.071	0.0199	0.022	0.03	0.0087 J	0.053	0.012	0.012	0.023	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.020	1.010	0.117	0.180	0.350	0.200	0.370	0.150	0.160	0.400	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.0013	0.014	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.122	0.102	0.0203	0.045	0.032	0.015	0.056	0.014	0.015	0.034	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	0.0021 J	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-38D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	1/26/1990 15079-3	4/3/1990 16626-6	1/31/1992 33375-3	4/28/1994 60167-4	7/11/1994 62787-2	10/31/1995 7819203	7/15/1996 8598506	10/20/1997 10087204	12/14/1998 298120511004	9/20/1999	3/29/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.51	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.051	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.03	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.95	ND	NA	ND	ND	NA	NA	NA	NA	0.012	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0078	NA	**0.100**	**0.100**	**NR**
Copper	1.1	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.77	ND	NA	ND	ND	NA	NA	NA	NA	0.0054	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.0046	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	1.4	ND	NA	ND	ND	NA	NA	NA	NA	0.011	NA	**0.100**	**0.100**	**NR**
Zinc	6.6	0.06	NA	ND	ND	NA	NA	NA	NA	0.12	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.006	0.004	0.001	ND	0.02	0.05	0.011	0.013	0.013	ND	0.00170	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.001	0.002	ND	ND	NA	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.240	0.091	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.008	0.022	0.04	0.23	0.22	0.049	0.039	0.016	ND	0.00322	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.19	0.066	0.004	ND	ND	0.095	0.022	0.013	ND	0.079	0.00197	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	0.31	0.25	0.17	NA	ND	ND	ND	NA	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.20	0.53	0.029	0.24	0.36	1.20	0.23	0.220	ND	0.017	0.0357	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.025	0.019	ND	0.03	ND	NA	ND	0.010	0.110	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = Estimated value, below detection limit

MW-38D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/19/2001 183330-6	6/12/2002 209745-3	6/3/2003 236625004	6/9/2004 536224	6/14/2005 642274	6/21/2006 C6F220113005	6/26/2007 C7F270128-003	4/28/2009	9/16/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	0.0001 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	ND	ND	0.0019 B	0.0016 B	ND	0.0113 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	ND	0.00048 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	NA	NA	0.00330 BJ	0.00250 BJ	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	ND	0.0015 B	ND	0.0016	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	0.0101	0.0143 B	0.0072 BJ	0.0079 BJ	0.0037 B	0.0035 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.0009 J	ND	ND	ND	ND	ND	ND	0.00019 J	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.0028	0.0019	0.002	0.0015 J	0.0012 J	ND	ND	0.0011 J	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0014	ND	ND	ND	ND	ND	ND	0.00049 J	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.036	0.014	NA	0.022	0.019	0.021	0.010	0.015	0.00074 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.00089 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.004	ND	0.0016	0.0018 J	0.001 J	ND	ND	0.00056 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0029	ND	0.0041	0.0076	0.0044	0.003 J	0.0011 J	0.0021	0.0028	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.118	0.015	0.0501	0.058	0.028	0.052	0.023	0.049	0.051	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.0009 J	ND	0.0022	ND	ND	ND	ND	0.00036 J	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = Estimated value, below detection limit
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-39D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-1	4/3/1990 16626-7	1/31/1992 33374-8	4/29/1994 60204-1	7/12/1994 62785-3	11/1/1995 7825003	7/15/1996 8598504	10/20/1997 10087205	12/11/1998 298120447014	9/20/1999	3/30/2000	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.078	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.08	ND	NA	ND	ND	NA	NA	NA	NA	0.012	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	0.14	ND	NA	ND	ND	NA	NA	NA	NA	0.0075	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	NA	ND	NA	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.2	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.005**	**0.005**	**0.0015**
Mercury	0.006	ND	NA	ND	ND	NA	NA	NA	NA	ND	NA	**0.002**	**0.002**	**0.002**
Nickel	0.13	ND	NA	ND	ND	NA	NA	NA	NA	0.02	NA	**0.100**	**0.100**	**NR**
Zinc	0.69	0.05	NA	ND	ND	NA	NA	NA	NA	0.13	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	NA	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.001	ND	ND	ND	NA	ND	0.002	ND	ND	0.00147	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.001	0.002	ND	0.025	ND	NA	ND	ND	ND	ND	0.00259	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.092	0.10	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	**1**	**1**	**1**
1,1,1-Trichloroethane	0.007	0.01	0.004	0.05	0.04	NA	0.009	0.001	ND	ND	0.00620	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.015	0.02	0.008	0.150	0.08	0.01	0.017	0.003	0.0057	0.028	0.118	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	1.70	2.60	2.70	NA	NA	ND	ND	NA	0.00185	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.30	2.40	1.20	3.20	2.70	0.30	0.54	0.110	0.120	0.17	0.732	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.002	0.003	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-39D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/25/2001 183854-2	6/12/2002 209745-8	6/5/2003 236924004	6/10/2004 536964	6/16/2005 643724	6/21/2006 C6F220113006	6/27/2007 C7F280142-005	5/9/2008	9/18/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	ND	0.005 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	0.00076 B	0.00036 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	ND	0.000033 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	0.0001 BJ	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	ND	0.00089 B	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	0.0082 BJ	0.0061	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.0017	0.0013	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.002	0.0019	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.185	0.129	NA	0.100	0.097	0.042	0.120	0.067	0.058	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.005	0.0032	0.0018	0.0032 J	0.0015 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.048	0.033	0.0301	0.096	0.069	0.018	0.027 J	ND	0.0098 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.0038	0.0011	ND	ND	0.0001 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.478	0.335	0.193	0.370	0.300	0.093	0.260	0.170	0.170	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-39S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-1	4/3/1990 16626-8	1/31/1992 33374-7	4/28/1994 60204-2	7/12/1994 62785-4	11/1/1995 7825004	7/15/1996 8598503	6/2/2003 236548002	6/10/2004 536963	6/14/2005 642749	6/21/2006 C6F220113004	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	ND	0.008	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	ND	0.17	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	0.01	0.02	NA	ND	0.22	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	NA	ND	ND	ND	NA	ND	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	ND	0.24	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	ND	0.0006	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	ND	0.11	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.07	0.06	NA	ND	0.77	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.002	ND	ND	NA	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.002	0.005	ND	NA	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	0.031	0.045	0.044	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.005	0.001	0.009	0.015	ND	0.007	ND	ND	0.0012 J	0.0006 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.008	0.003	0.041	0.035	0.04	0.038	0.008	0.0098	0.025	0.016	0.011	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	4.20	0.32	0.93	NA	NA	ND	ND	0.0015 J	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.99	0.13	3.50	0.44	0.88	0.31	0.17	0.0509	0.110	0.100	0.086	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	NA	ND	NA	NA	NA	NA	**10**	**10**	**10**

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MW-39S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/27/2007 C7F280142-004	5/6/2008	9/15/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
				Residential	Non-Residential	
Metals/Inorganics (mg/L)						
Antimony	NA	ND	0.000057 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	0.0054 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	0.00075 B	0.001 B	**1**	**1**	**1.3**
Cyanide, total	NA	ND	0.0055 BJ	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.00160 B	0.00180 B	**0.200**	**0.200**	**NR**
Lead	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	0.0015 B	0.0011	**0.100**	**0.100**	**NR**
Zinc	NA	ND	0.0047 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)						
Acetone	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.00035 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.00031 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.026	0.0085	0.023	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.022 J	0.0059	0.0063	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.077	0.032	0.045	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	ND	**10**	**10**	**10**

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B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit
equal to the Instrumental Detection Limit

MW-40D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-3	10/24/1995 7798403	12/10/1998 298120447005	9/15/1999	3/20/2000	6/20/2001 183492-1	6/11/2002 209609-4	6/5/2003 236924009	6/7/2004 535786	6/13/2005 642271	6/19/2006 C6F200149002	6/25/2007 C7F260143-003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)															
Antimony	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.006	0.006	0.006
Arsenic	0.16	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.050	0.050	0.01
Beryllium	0.022	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.004	0.004	0.004
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.005	0.005	0.005
Chromium, total	0.25	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.100	0.100	0.1
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.100	0.100	NR
Copper	0.37	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	1	1	1.3
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NR	NR	0.2
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.200	0.200	NR
Lead	0.58	NA	NA	0.0055	NA	NA	NA	NA	NA	NA	NA	NA	0.005	0.005	0.0015
Mercury	0.0008	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.002	0.002	0.002
Nickel	0.41	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.100	0.100	NR
Zinc	1.3	NA	NA	0.025	NA	NA	NA	NA	NA	NA	NA	NA	2	2	NR
Detected Volatile Organics (mg/L)															
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	3.7	10	NR
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	0.005	0.005	0.005
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	0.1	0.1	0.08
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	1.9	4.1	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.005	0.005
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	0.1	0.1	NR
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	0.23	0.9	NR
Chloroform	0.005	0.01	0.0014	0.003	0.0051	0.0018	ND	ND	ND	ND	ND	ND	0.1	0.1	0.08
1,1-Dichloroethane	ND	ND	ND	ND	0.00182	ND	ND	ND	ND	ND	ND	ND	0.027	0.11	NR
1,1-Dichloroethene	ND	ND	ND	0.002	ND	0.0025	ND	ND	ND	ND	ND	ND	0.007	0.007	0.007
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.005	0.005
cis-1,2-Dichloroethene	NA	NA	0.004	0.02	NA	0.017	0.0027	NA	0.0019 J	0.0007 J	ND	ND	0.07	0.07	0.07
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	0.7	0.7	0.7
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	ND	ND	ND	0.005	0.005	0.005
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	1	1	1
1,1,1-Trichloroethane	ND	0.003	ND	0.006	0.00298	0.0041	ND	ND	ND	ND	ND	ND	0.2	0.2	0.2
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.005	0.005
Tetrachloroethene (PCE)	0.002	0.002	ND	0.002	0.00206	0.003	ND	ND	ND	ND	ND	ND	0.005	0.005	0.005
trans-1,2-Dichloroethene	0.009	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.1	0.1	0.1
Trichloroethene (TCE)	0.051	0.092	0.026	0.078	0.0631	0.097	0.015	0.0032	0.011	0.0043	0.0026 J	ND	0.005	0.005	0.005
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.002
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	10	10	10

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MW-40D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/25/2008	9/8/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.00013 BJ	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0045 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	0.00084 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	0.00025 BJ	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	0.00062 B	**0.100**	**0.100**	**NR**
Zinc	0.0092 BJ	0.0033 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.00017 J	0.00013 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.00022 J	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0023	0.00067 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

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J = estimated value, below reporting limit but greater than zero

MW-40S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/5/1990 15279-2	10/30/1995 7816201	12/10/1998 298120447004	9/21/1999	3/30/2000	6/19/2001 183330-9	6/11/2002 209609-3	6/2/2003 236549002	6/7/2004 535785	6/13/2005 642270	6/19/2006 C6F200149001	6/25/2007 C7F260143-001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)															
Antimony	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	0.04	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	0.046	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	0.038	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)															
Acetone	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.006	ND	ND	ND	ND	0.0002 J	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.006	ND	0.0017	0.0012	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.014	0.00	NA	0.0077	0.011	NA	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.004	ND	0.007	ND	0.0023	0.0024	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.0003 J	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.002	ND	0.001	ND	0.0015	0.0021	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.003	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.022	0.064	0.052	0.012	0.00232	0.044	0.057	0.0066	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-40S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/25/2008	9/4/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.0002 BJ	**0.006**	**0.006**	**0.006**
Arsenic	ND	0.00053 B	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0058 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	0.00086 B	**1**	**1**	**1.3**
Cyanide, total	0.006 B	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	0.000097 BJ	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0014 B	0.0023	**0.100**	**0.100**	**NR**
Zinc	0.0037 BJ	0.003	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit
J = estimated value, below reporting limit but greater than zero

MW-43D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-2	1/29/1992 33304-8	6/23/1993 50069-2	7/14/1994 62961-3	10/25/1995 7803606	12/10/1998 298120447009	9/17/1999	4/6/2000	6/22/2001 183728-5	6/13/2002 209854-1	6/5/2003 236925003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.061	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.023	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.08	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	0.29	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	0.63	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.42	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	1	NA	NA	NA	NA	NA	0.029	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	0.021	0.02	NA	0.021	0.013	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.002	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.009	ND	0.014	ND	0.015	0.0093	0.008	0.00521	0.010	0.0066	0.0067	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.022	0.001	0.024	ND	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.83	0.056	0.69	0.67	0.81	0.580	0.38	0.377	0.439	0.301	0.321	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-43D (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/8/2004 535800	6/15/2005 642754	6/19/2006 C6F200149005	6/25/2007 C7F260143-009	5/13/2008	9/25/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	0.000075 BL	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	0.005 B	ND	ND	0.0126 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	ND	0.00038 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	0.00270 BJ	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	0.0033 J	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	ND	ND	0.0013	**0.100**	**0.100**	**NR**
Zinc	0.0091	0.038	0.0087 BJ	0.0061 BJ	0.0116 BJ	0.0081	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.014	0.0089 J	0.011	0.011	0.015 J	0.010 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	0.006 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0065	0.0033	0.0057 J	0.005 J	0.018 J	0.0056 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.250	0.170	0.250	0.230	0.310	0.220	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-43S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	2/22/1990 15698-3	1/29/1992 33304-7	6/23/1993 50069-1	7/13/1994 62834-5	10/25/1995 7803605	12/10/1998 298120447008	9/17/1999	3/22/2000	6/19/2001 183330-2	6/11/2002 209609-1	6/2/2003 236549001	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	0.19	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.04	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	0.14	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Copper	0.74	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	1.2	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	0.008	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.94	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.100**	**0.100**	**NR**
Zinc	1.8	NA	NA	NA	NA	NA	0.086	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.001	0.011	0.003	0.002	0.003	0.0018	0.001	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-43S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/8/2004 535792	6/13/2005 641863	6/19/2006 C6F200149004	6/25/2007 C7F260143-008	4/24/2008	9/4/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	0.00015 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	0.0013 B	ND	ND	0.0042 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	ND	0.00034 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	0.0021 BJ	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	0.0032 J	ND	ND	0.000086 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	0.0025 B	ND	0.0016	**0.100**	**0.100**	**NR**
Zinc	0.0107	0.0209 B	0.0058 BJ	0.0146 BJ	0.0056 BJ	0.0034 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0015	ND	ND	ND	0.00018 J	0.00024 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0005 J	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
B= Reported limit less than Practical Quantification Limit but greater than zero or equal to the Instrumental Detection Limit
NR = Not Reported
J = estimated value, below reporting limit but greater than zero

MW-47
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/17/1990 17670-3	3/24/1995	9/29/1999	3/31/2000	6/5/2003 236924005	6/9/2004 536231	6/16/2005 643216	6/23/2006 C6F240114011	6/29/2007 C7F300109-003	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	2.5	4.0	2.5	NA	2.33	2.04	4.08	3.86	3.58	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	4.4	3.0	NA	1.79	1.96	4.43	3.60	3.00	**0.100**	**0.100**	**NR**
Copper	ND	ND	ND	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	0.031	ND	ND	ND	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	0.014	ND	ND	ND	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	NA	ND	ND	ND	0.0022 BJ	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.088	ND	ND	NA	ND	0.0047	0.0061 B	0.0026 B	0.0024 B	**0.100**	**0.100**	**NR**
Zinc	0.044	ND	ND	NA	ND	0.0359	0.0392	0.0049 BJ	0.0042 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	NA	ND	NA	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	NA	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.005	NA	ND	ND	0.005	0.0022 J	0.020 J	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.006	NA	0.009	ND	0.0467	0.026	0.170	0.0096	0.0089	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	0.075	NA	NA	0.047	0.670	0.077	0.065	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	NA	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	NA	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.010	NA	ND	ND	0.0361	0.030	0.077	0.0039 J	0.0025 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.061	NA	0.15	0.108	0.0645	0.110	0.260	0.030	0.040	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.028	NA	0.20	0.0297	0.154	0.170	1.700	0.160	0.140	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	0.0024	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	NA	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-47 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/20/2008	10/9/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.00021 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	0.0034	**0.050**	**0.050**	**0.01**
Beryllium	0.00053 BJ	0.00035 B	**0.004**	**0.004**	**0.004**
Cadmium	0.00052 B	0.00014 B	**0.005**	**0.005**	**0.005**
Chromium, total	1.140	2.310 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.450	ND	**0.100**	**0.100**	**NR**
Copper	ND	0.0059	**1**	**1**	**1.3**
Cyanide, total	0.0033 BJ	0.00270 B	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.00270 B	**0.200**	**0.200**	**NR**
Lead	ND	0.0037	**0.005**	**0.005**	**0.0015**
Mercury	ND	0.000021 B	**0.002**	**0.002**	**0.002**
Nickel	0.0103 B	0.0109	**0.100**	**0.100**	**NR**
Zinc	0.0106 BJ	0.0394 J	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.001 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.0025 J	0.003 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.020	0.042	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	0.0016 J	0.0016 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.0005 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.042	0.026	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.048 B	0.088	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-50D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	11/1/1991 31032-2	9/28/1999	4/4/2000	4/4/2000	6/9/2004 536227	6/21/2005 645313	6/22/2006 C6F230124012	6/28/2007 C7F290182-002	5/22/2008	10/7/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	ND	NA	NA	NA	NA	NA	NA	ND	0.00018 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	0.01	NA	NA	NA	NA	NA	NA	ND	0.0012	**0.050**	**0.050**	**0.01**
Beryllium	NA	0.00	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.06	NA	NA	ND	NA	NA	NA	ND	0.0135 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	0.03	NA	NA	NA	NA	NA	NA	ND	0.00088 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	ND	0.0025 B	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	0.010 J	0.00190 B	**0.200**	**0.200**	**NR**
Lead	NA	0.03	NA	NA	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA	NA	ND	0.000087 BJ	**0.002**	**0.002**	**0.002**
Nickel	NA	0.10	NA	NA	ND	NA	NA	NA	0.0018 B	0.0037	**0.100**	**0.100**	**NR**
Zinc	NA	0.06	NA	NA	0.0159	NA	NA	NA	ND	0.0099 J	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.14	0.14	0.528	0.471	3.7	2.6	2.1	1.6	1.600	1.400	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.18	0.056	0.199	0.155	1.5	0.94	0.62	0.63	0.850	0.580	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.62	NA	NA	5.8	6.4	6.0	5.0	6.700	4.500	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.120 J	0.120 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.10	0.012	0.0123	0.0106	0.47 J	0.27 J	ND	ND	0.240 J	0.150 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.08	0.005	0.0542	0.0352	1.2	0.97	0.64	0.74	0.800	0.710	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	1.10	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.90	0.21	1.45	1.03	18.0	11.0	9.3	6.9	8.200	5.400 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.12	ND	0.0188	0.0173	ND	ND	ND	ND	0.045 J	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit
J = estimated value, below reporting limit but greater than zero

MW-50S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	11/1/1991 31032-1	9/28/1999	4/6/2000	6/10/2004 536966	6/17/2005 644010	6/23/2006 C6F240114003	6/28/2007 C7F290182-001	5/15/2008	9/30/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	ND	NA	NA	NA	NA	NA	ND	0.00054 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	ND	NA	NA	NA	NA	NA	ND	0.00045 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	ND	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	ND	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	0.0170	NA	ND	NA	NA	NA	ND	0.0137 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	NA	ND	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	0.0069	NA	NA	NA	NA	NA	ND	0.0041	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	ND	NA	ND	NA	NA	NA	ND	0.00012 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	ND	NA	NA	NA	NA	NA	0.000087 BJ	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	0.028	NA	0.0068	NA	NA	NA	0.0047 B	0.005	**0.100**	**0.100**	**NR**
Zinc	NA	0.027	NA	0.0074	NA	NA	NA	0.021 J	0.0159	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	NA	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	NA	NA	NA	NA	NA	ND	0.013 J	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.003	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.085	0.068	0.0608	0.037	0.039 J	0.018 J	0.019 J	0.009 J	0.0069 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.210	0.051	0.0489	0.024	0.028	0.0076 J	0.019 J	0.0089 J	0.0072 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.003	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	0.62	NA	0.38	0.58	0.340	0.430	0.330	0.250	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0071 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.840	0.011	0.0313	0.013 J	0.019 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.150	0.014	ND	0.034	0.063	0.023 J	0.051	0.023	0.018 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.097	NA	ND	ND	ND	ND	ND	0.0051 J	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	4.50	0.25	ND	0.52	0.88	0.500	0.660	0.410	0.320	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	0.01 J	ND	ND	ND	0.0043 J	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
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MW-51D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	11/1/1991 31032-4	11/2/1995 7829502	7/17/1996 8606302	10/21/1997 10092004	12/11/1998 298120447018	9/21/1999	4/6/2000	6/25/2001 183854-1	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	NA	NA	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	0.018	NA	ND	NA	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	ND	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	NA	NA	ND	ND	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	ND	ND	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.060	0.084	0.034	0.037	0.120	0.21	0.161	0.179	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.410	0.280	0.052	0.036	0.120	0.20	0.181	0.062	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	1.20	0.92	NA	0.990	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.80	0.560	0.070	0.021	ND	0.039	0.0283	0.027	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	1.0	0.190	0.10	0.060	0.086	0.057	0.0325	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	1.20	NA	NA	ND	ND	NA	ND	0.044	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	6.20	3.0	1.40	0.710	1.0	1.1	0.399	0.024	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.015	NA	ND	0.014	0.055	ND	0.0372	0.577	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	ND	ND	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
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MW-51D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/18/2002 210168-2	6/6-10/2003 237022007	8/3/2004 552048	6/12/2005 644490	6/23/2006 C6F240114006	6/29/2007 C7F300109-004	5/12/2008	9/18/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	ND	0.0022 J	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	0.0029	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	ND	ND	ND	0.0047 B	0.0028 B	ND	0.0046 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	0.0018	0.0044	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	NA	NA	0.00270 BJ	ND	**0.200**	**0.200**	**NR**
Lead	NA	ND	ND	ND	0.0053 J	ND	ND	0.00024 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	ND	ND	ND	0.0053 B	0.003 B	ND	0.0025	**0.100**	**0.100**	**NR**
Zinc	NA	ND	0.012	0.0095 B	0.0146 BJ	0.004 BJ	0.002 B J	0.0138	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.0015	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.057	0.0571	0.059	0.052	0.050	0.0078	0.007 J	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.053	0.0334	0.075	0.078	0.046 J	0.013	0.019	0.010	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	1.240	NA	0.900	0.610	0.410	0.088	0.160	0.090	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0042 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	0.0054 J	**1**	**1**	**1**
1,1,1-Trichloroethane	0.014	0.0108	0.012 J	0.018 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.028	0.0454	0.037	0.067	0.034 J	0.0082	0.011	0.0087 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.0041	0.0414	0.0072 J	0.0066 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.348	0.452	0.730	1.000	0.780	0.190	0.200	0.140	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.082	0.0256	0.015 J	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

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MW-51S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	10/4/1991 30261-1	11/1/1991 31032-3	11/2/1995 7829503	7/16/1996 8602603	10/20/1997 10087206	12/11/1998 298120447019	9/20/1999	4/5/2000	6/26/2001 183969-8	6/18/2002 210168-3	6/6/2003 237022005	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	0.59	NA	NA	NA	0.338	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	0.45	NA	NA	NA	0.35	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	NA	0.005	NA	0.01	NA	0.01	0.019	ND	0.017	0.021	0.019	**NR**	**NR**	**0.2**
Cyanide, free	NA	0.04	NA	0.01	NA	ND	ND	ND	ND	0.007	0.005	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	0.10	NA	NA	NA	0.05	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	NA	ND	ND	ND	0.006	ND	0.0051	0.0031	0.0018	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.010	0.005	NA	ND	ND	ND	ND	ND	0.0034	0.0027	0.0025	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.045	0.035	0.020	ND	0.054	0.036	0.026	0.0214	0.034	0.022	0.0281	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	1.70	0.780	0.260	0.670	0.660	0.40	0.22	0.229	0.213	0.200	0.197	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.010	ND	NA	ND	ND	ND	ND	ND	0.0024	0.0017	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	1.0	0.87	NA	0.812	0.706	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	3.80	2.10	0.440	1.40	1.50	0.730	0.24	0.215	0.206	0.183	0.215	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	5.50	2.60	1.10	1.90	2.0	1.10	0.76	0.987	1.380	1.660	1.070	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.680	0.560	NA	NA	ND	ND	NA	ND	0.0036	0.0018	0.0017	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	23.0	12.0	3.0	6.70	6.20	3.90	2.2	2.52	2.950	2.600	1.920	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.020	0.015	NA	ND	ND	0.033	ND	ND	0.031	0.033	0.0147	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

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MW-51S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	8/3/2004 552047	6/17/2005 643728	6/23/2006 C6F240114007	6/29/2007 C7F300109-002	5/20/2008	10/2/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	0.00069 B	0.00048 BJ	**0.005**	**0.005**	**0.005**
Chromium, total	0.701	0.317	0.225	0.253	0.259	0.356 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.651	0.175	0.220	0.260	0.280	0.330	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	0.0088 B	0.0011 BJ	**1**	**1**	**1.3**
Cyanide, total	0.035	ND	0.0130	0.0102	0.032 J	0.00600 B	**NR**	**NR**	**0.2**
Cyanide, free*	ND	ND	0.0023	ND	0.00410 BJ	0.00740 B	**0.200**	**0.200**	**NR**
Lead	ND	ND	0.0024 BJ	ND	ND	0.00070 BJ	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0474	0.0283 B	0.0286 B	0.0264 B	0.0583	0.0297	**0.100**	**0.100**	**NR**
Zinc	0.0236	0.0192 B	0.0104 BJ	0.0063 BJ	0.0067 B	0.0035 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.039	0.028 J	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.320	0.200	0.110	0.100	0.089	0.063 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	1.1	0.910	0.760	0.660	0.600	0.510	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	0.027 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.280	0.290	0.100	0.082	0.054 J	0.038 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.920	1.100	0.970	1.300	1.600	0.990	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.0017	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.600	2.100	1.400	1.400	1.400	1.100	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.072 J	0.054 J	0.035 J	0.025 J	ND	0.023 J	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit
* = Reported as available cyanide from 2006 on.

MW-54
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	7/29/1993 51188-1	11/1/1995 7825005	7/17/1996 8606305	10/23/1997 10097302	12/10/1998 298120447010	9/29/1999	4/10/2000	6/26/2001 183969-4	6/13/2002 209854-3	6/6/2003 237022006	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	NA	ND	ND	ND	ND	ND	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	ND	NA	NA	NA	NA	0.03	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.014	ND	ND	0.011	ND	ND	0.0026	0.019	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.750	1.0	0.070	0.160	0.150	0.027	ND	0.026	0.068	0.0145	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	10.0	4.90	0.690	1.0	0.750	0.19	ND	0.047	2.840	0.0742	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	0.100	ND	ND	0.020	ND	ND	0.0027	0.0088	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	0.260	0.16	NA	0.165	0.113	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	NA	ND	ND	ND	ND	ND	ND	0.020	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	30.0	29.0	1.40	1.60	0.760	0.15	ND	0.108	0.187	0.0238	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.050	ND	ND	0.0066	ND	ND	0.0025	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	0.060	0.130	0.068	0.043	0.062	ND	0.136	0.045	0.0774	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	NA	NA	ND	ND	NA	ND	0.0019	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.0	0.880	1.10	0.790	0.740	0.51	0.540	0.405	0.965	0.428	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-54 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/9/2004 536232	6/21/2005 644484	6/22/2006 C6F230124011	6/27/2007 C7F280142-008	5/27/2008	10/8/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
							Residential	Non-Residential	
Metals/Inorganics (mg/L)									
Antimony	NA	NA	NA	NA	ND	0.00012 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	ND	ND	0.0016 B	0.0151 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	ND	0.00099 B	**1**	**1**	**1.3**
Cyanide, total	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	0.0017 B	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	0.0019 B	ND	0.0019 B	0.0028	**0.100**	**0.100**	**NR**
Zinc	0.0151	0.0133 B	0.0119 BJ	0.0068 BJ	0.0054 BJ	0.0079 J	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	0.0016 J	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.0027 J	0.0048 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.014	0.026	0.021 J	0.021 J	0.013 J	0.013 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.120	0.064	0.110	0.110	0.097	0.100	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.0087	0.021	0.0087 J	0.0064 J	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.068	0.088	0.100	0.150	0.160	0.110	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	0.021 J	0.0097 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.019	0.021 J	0.012 J	0.017 J	0.013 J	0.011 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	0.016	0.0071 J	0.0042 J	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.034	0.039	0.029	0.050 J	0.075	0.054	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.0051 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.300	0.340	0.390	0.410	0.550	0.400 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.0022 J	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-64D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	10/18/1995	10/27/1995 7814207	12/28/1995 7993301	12/8/1998 298120377010	9/17/1999	4/6/2000	6/25/2001 183854-7	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	ND	NA	NA	NA	ND	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	ND	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	ND	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	0.0094	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	NA	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	ND	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	NA	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	ND	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	0.0078	NA	NA	**0.100**	**0.100**	**NR**
Zinc	0.03	NA	NA	NA	0.059	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	NA	ND	ND	ND	ND	NA	ND	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	NA	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	ND	ND	ND	ND	NA	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	NA	NA	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	NA	NA	ND	**0.23**	**0.9**	**NR**
Chloroform	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	NA	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	ND	ND	NA	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	NA	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	NA	ND	ND	ND	ND	NA	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	NA	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	NA	0.370	0.370	0.550	ND	0.170	0.424	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	NA	ND	NA	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	NA	1.80	2.10	2.40	1.4	0.370	1.42	**0.005**	**0.005**	**0.005**
Vinyl Chloride	NA	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	ND	ND	ND	ND	NA	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-64D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	6/14/2002 210002-2	6/5/2003 236925002	6/10/2004 537087	6/21/2005 644487	6/22/2006 C6F230124004	6/28/2007 C7F290182-013	5/19/2008	9/29/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
									Residential	Non-Residential	
Metals/Inorganics (mg/L)											
Antimony	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	ND	0.0114 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	ND	0.00045 B	**1**	**1**	**1.3**
Cyanide, total	ND	NA	NA	NA	NA	NA	0.0017 BJ	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	NA	NA	NA	NA	0.00190 BJ	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	ND	0.00012 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	0.0022 B	0.0019	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	0.0069 B	0.0028 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)											
Acetone	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	NA	ND	ND	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	0.0065 J	ND	0.042 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.226	0.513	0.420	0.790	0.240	0.280	0.630	0.600	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.773	1.07	1.40	1.40	0.670	0.680	1.100	1.000	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-64S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	12/29/1995 7997807	12/8/1998 298120377009	9/21/1999	4/10/2000	6/25/2001 6/25/01	6/5/2003 236925001	6/10/2004 537088	6/17/2005 644011	6/22/2006 C6F230124005	6/29/2007 C7F300109-006	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	0.150	ND	ND	NA	ND	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	ND	ND	0.00132	ND	NA	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.390	0.330	0.22	0.0970	0.159	0.0487	0.160	0.057	0.130	0.110	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.50	0.720	0.50	0.270	0.319	0.177	0.330	0.160	0.250	0.240	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

MW-64S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/14/2008	9/25/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.000094 BJ	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	0.00012 B	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0145 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	0.00096 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	0.000089 B	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0015 B	0.003	**0.100**	**0.100**	**NR**
Zinc	0.0139 BJ	0.0123	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	0.0038 JB	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.120	0.096	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.240	0.180	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-69
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/9/1999	4/4/2000	6/25/2001 183854-5	6/12/2002 209745-1	6/3/2003 236625009	6/10/2004 537089	6/15/2005 642748	6/21/2006 C6F220113002	6/27/2007 C7F280143-003	5/5/2008	9/22/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	0.01	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.000061 BJ	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0161 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0012 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.0078 BJ	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	0.00220 BJ	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.000071 B	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0013	**0.100**	**0.100**	**NR**
Zinc	0.08	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0033	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.005	ND	0.0012	0.0033	0.0025	0.003	0.0063	0.0014 J	0.0025 J	0.0028 J	0.0018 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.024	NA	0.0092	0.077	NA	0.094	0.130	0.049	0.160	0.130	0.090	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.0012 J	ND	ND	0.0024 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.001	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.002	ND	ND	ND	0.0011	0.0006 J	0.0015 J	ND	0.0075 J	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	0.0013 J	ND	0.0026 J	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.34	0.604	0.041	0.200	0.204	0.096	0.300	0.110	0.025	0.058	0.110	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
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MW-74D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/15/1999	4/6/2000	6/21/2001 183596-5	6/14/2002 210005-4	6/5/2003 236924003	6/9/2004 536226	6/21/2005 644486	6/23/2006 C6F240114008	6/28/2007 C7F290182-008	5/9/2008	9/17/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.000062 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	ND	ND	0.0018 B	0.0012 B	ND	0.0075 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.0011 B	0.00044 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	ND	ND	0.0048 J	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.000093 BJ	ND	**0.002**	**0.002**	**0.002**
Nickel	0.054	NA	NA	NA	ND	0.0047	ND	0.0014 B	ND	ND	0.0018	**0.100**	**0.100**	**NR**
Zinc	0.13	NA	NA	NA	ND	0.0179	0.0127 B	0.0102 BJ	0.0043 BJ	0.0089 J	0.0044 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.006	0.00370	0.0045	0.0018	0.0025	ND	0.0019 J	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.015	0.0117	0.0091	0.0048	0.0061	0.0047	0.0040	0.0033 J	0.0032 J	0.0023 J	0.0022 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.092	NA	0.194	0.048	NA	0.048	0.042	0.042	0.049	0.023	0.019	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J	0.0023 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	0.023	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.038	0.0166	0.012	0.005	0.0055	0.003 J	0.0027 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.017	0.0147	0.0066	0.015	0.0279	0.013	0.015	0.012	0.0087	0.006	0.0085	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.24	0.202	0.082	0.112	0.196	0.140	0.130	0.130	0.095	0.085	0.075	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
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J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-74S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/15/1999	4/3/2000	6/21/2001 183596-3	6/13/2002 209855-1	6/3/2003 236625005	6/3/2003 236625006	6/9/2004 536225	6/14/2005 642273	6/21/2006 C6F220113009	6/28/2007 C7F290182-007	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	0.0031	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.0013	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	ND	NA	ND	ND	0.003 B	0.0021 B	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	NA	ND	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	0.00091	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.055	NA	NA	NA	ND	NA	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Zinc	0.089	NA	NA	NA	ND	NA	0.0092	0.0146 B	0.0103 BJ	0.0072 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.001	0.00132	0.0013	0.0019	0.0021	0.0027	ND	0.0012 J	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.003	0.00196	0.0019	ND	0.002	0.0029	0.0009 J	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.068	NA	0.063	0.138	NA	NA	0.060	0.065	0.041	0.040	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.011	0.00408	0.0036	0.0016	0.0014	0.0018	ND	0.0006 J	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.017	0.00791	0.0086	0.0023	0.017	0.0168	0.0056	0.0022	0.0078	0.0044 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.11	0.123	0.109	0.0063	0.122	0.134	0.077	0.034	0.060	0.050	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-74S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/29/2008	9/16/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.000089 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	0.00016 B	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.0022 B	0.009 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	0.00058 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.00170 BJ	**0.200**	**0.200**	**NR**
Lead	ND	0.000037 B	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	0.00081 B	**0.100**	**0.100**	**NR**
Zinc	0.0015 B	0.0046 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	0.00027 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.00051 J	0.00042 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.00044 J	0.00054 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.024	0.021	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	0.00047 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.00046 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.005	0.0073	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	0.00036 J	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.042	0.034	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-75D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/17/1999	4/7/2000	6/26/2001 183969-5	6/18/2002 210168-4	6/6/2003 237022001	6/10/2004 536969	6/17/2005 643731	6/23/2006 C6F240114010	6/29/2007 C7F300109-007	5/21/2008	10/2/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00017 B	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.0004 BJ	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.015	NA	NA	NA	0.011	0.0132	ND	ND	0.002 B	0.0102	0.0156 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.01	NA	NA	NA	ND	0.0133	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00078 BJ	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.002 BJ	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	ND	ND	0.0022 BJ	ND	ND	0.000068 BJ	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	ND	ND	ND	ND	0.0014 B	ND	0.0019	**0.100**	**0.100**	**NR**
Zinc	0.26	NA	NA	NA	ND	0.0062	0.0394	0.0176 BJ	0.0181 BJ	0.0014 BJ	0.0023 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	0.0016	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0045	0.020	0.0137	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	0.0397	0.021	0.042	0.050	ND	ND	ND	ND	0.013 J	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.22	NA	0.091	7.360	NA	0.470 J	0.690 J	1.400	0.840	0.062	0.080 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120 B	0.084 J	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	0.530 J	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.27	0.276	0.095	0.218	0.24	1.0 J	0.620 J	0.350 J	0.190 J	0.045 J	0.110 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	6.2	10.5	4.78	3.02	5.16	37.0	28.0	10.0	1.3	1.500	4.300	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	0.0083	0.008	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.2	4.66	1.38	1.47	4.78	11.0	11.0	14.0	3.8	0.620	1.500	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

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MW-75S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/17/1999	9/17/1999	4/7/2000	6/26/2001 183969-9	6/18/2002 210168-5	6/6/2003 237022002	6/10/2004 536968	6/17/2005 643730	6/23/2006 C6F240114009	6/29/2007 C7F300109-008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	0.00	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0056	NA	NA	NA	ND	ND	ND	0.0013 B	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.0082	0.014	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	**0.200**	**0.200**	**NR**
Lead	ND	0.0052	NA	NA	NA	ND	ND	ND	0.0034 J	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	0.0055	0.0097	NA	NA	NA	ND	ND	ND	ND	0.0016 B	**0.100**	**0.100**	**NR**
Zinc	0.15	0.16	NA	NA	NA	ND	0.0087	0.0326	0.0124 BJ	0.0084 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	0.0208	ND	0.019	0.018	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	0.163	0.233	0.091	0.0701	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	NA	0.743	0.339	NA	0.270 J	0.270 J	0.440 J	0.630 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.2	ND	1.62	1.7	0.778	0.511	1.1 J	0.550 J	0.690 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	30.0	23.0	32.5	31.4	39.9	18.0	35.0	26.0	21.0	25.0	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND	0.0011	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	15.0	15.0	13.1	15.1	8.470	4.68	8.3	5.2	8.1	9.5	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	0.0133	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	**10**	**10**	**10**

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NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-75S (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	5/21/2008	10/6/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
			Residential	Non-Residential	
Metals/Inorganics (mg/L)					
Antimony	ND	0.000063 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	0.00039 BJ	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	0.0068 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	0.00037 BJ	**1**	**1**	**1.3**
Cyanide, total	0.0017 BJ	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	0.00190 B	**0.200**	**0.200**	**NR**
Lead	ND	0.000062 BJ	**0.005**	**0.005**	**0.0015**
Mercury	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0011 B	0.0017	**0.100**	**0.100**	**NR**
Zinc	0.0065 BJ	0.0025 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)					
Acetone	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.680 J	0.390 J	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	5.000 B	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	1.000 J	0.680 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	32.000	19.000	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	10.000	6.800	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-79
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/13/1999	3/23/2000	6/13/2005 642272	6/19/2006 C6F200149003	6/25/2007 C7F260143-004	4/24/2008	9/15/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)										
Antimony	ND	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	ND	0.00099 B	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	ND	0.0049 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	ND	ND	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	ND	0.0016 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	ND	03.2000 J	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	0.00340 B	0.00260 BJ	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	0.0016 B	0.0024	**0.100**	**0.100**	**NR**
Zinc	ND	NA	NA	NA	NA	0.0052 BJ	0.0053 J	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)										
Acetone	ND	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	0.00047 J	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.012	0.0162	0.0086	0.0083	0.0098	0.013	0.013	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.00079 J	0.00049 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.022	NA	0.011	0.016	0.022	0.036	0.026	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	0.00012 J	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.00037 J	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	0.00024 J	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	0.00061 J	0.0014	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.004	0.00506	0.0026	0.0018 J	0.0025 J	0.0019	0.0016	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	0.00031 J	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	NA	NA	NA	0.00021 J	ND	**10**	**10**	**10**

ND = Not Detected
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NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-81D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/13/1999	4/4/2000	6/26/2001 183969-2	6/17/2002 210080-2	6/5/2003 236924007	6/10/2004 537086	6/16/2005 643726	6/23/2006 C6F240114002	6/28/2007 C7F290182-004	5/23/2008	10/7/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00036 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.00073 BJ	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.19	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.013 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	0.015	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00074 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.00180 B	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	1.10	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0036	**0.100**	**0.100**	**NR**
Zinc	0.039	NA	NA	NA	NA	NA	NA	NA	NA	0.0162 BJ	0.008	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	0.003	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.003	ND	0.003	0.0011	0.0018	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.012	ND	0.012	0.0043	0.007	ND	0.0055 J	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.016	0.0366	0.015	0.0042	0.0059	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.36	NA	0.345	0.187	NA	0.260	0.220	0.210	0.087	0.300	0.250	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.021 J	0.022 J	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.003	ND	0.0018	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.083	0.0890	0.153	0.054	0.0532	0.068	0.048	0.030	0.017 J	0.058	0.040 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0021	ND	0.0013	ND	0.0086 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	1.5	0.934	1.22	0.491	0.245	0.820	0.720	0.610	0.300	1.200	0.890 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-81S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/13/1999	4/4/2000	6/26/2001 183969-3	6/17/2002 210080-3	6/5/2003 236924008	6/10/2004 537085	6/16/2005 643725	6/23/2006 C6F240114001	6/28/2007 C7F290182-003	5/23/2008	10/7/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00016 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	0.0014	NA	NA	NA	NA	NA	NA	NA	NA	0.00074 BL	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.0073	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.012 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	0.01	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0015 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	0.0072	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0071	NA	NA	NA	NA	NA	NA	NA	NA	0.0018 B	0.0031	**0.100**	**0.100**	**NR**
Zinc	0.036	NA	NA	NA	NA	NA	NA	NA	NA	0.0094 BJ	0.0079 J	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	0.002	ND	0.002	ND	0.0026	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.002	0.0103	0.0024	0.0014	0.0025	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.034	0.0243	0.028	0.013	0.0391	0.022 J	0.017 J	0.027 J	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.047	ND	0.035	0.019	0.052	0.027 J	0.014 J	0.030 J	0.037 J	0.026 J	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	0.001	ND	0.001	ND	0.001	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.86	NA	0.811	0.379	NA	0.660	0.580	1.000	1.000	0.730	0.750	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.100 J	0.059 J	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.003	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.06	0.0863	0.101	0.066	0.113	0.075	0.055	0.043 J	0.057 J	0.052 J	0.042 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0034	0.0018	0.0098	ND	0.014 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	3.3	3.13	3.03	1.35	1.30	2.30	2.00	3.100	3.100	2.800	2.500 J	**0.005**	**0.005**	**0.005**
Vinyl Chloride	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
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MW-82
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/10/1999	3/31/2000	6/20/2001 183492-5	6/12/2002 209746-4	6/4/2003 236799001	6/7/2004 535796	6/13/2005 642275	6/21/2006 C6F220113010	6/26/2007 C7F270128-004	4/25/2008	9/12/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00031 B	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0048 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00039 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.00190 B	0.00330 BJ	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00058 B	**0.100**	**0.100**	**NR**
Zinc	0.022	NA	NA	NA	NA	NA	NA	NA	NA	0.0021 BJ	0.0047 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	0.0037 J	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00015 J	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00024 J	0.00036 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00032 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.095	NA	0.135	ND	NA	0.016	0.022	0.0054	0.0098	0.040	0.035	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.004	0.00340	0.005	ND	0.0021	0.0006 J	ND	ND	ND	0.0017	0.0024	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0017	ND	ND	ND	ND	ND	ND	0.00016 J	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.096	0.0938	0.107	ND	0.0442	0.0085	0.0009 J	ND	ND	0.033	0.039	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-85
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/11/2000	4/11/2000	6/22/2001 183728-4	6/12/2002 209746-1	6/3/2003 236625007	6/8/2004 535799	6/15/2005 642755	6/20/2006 C6F210138007	6/26/2007 C7F270128-007	4/25/2008	9/18/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00017 B	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.0053 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00018 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	0.0042 B	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	ND	ND	ND	0.0032 J	ND	ND	0.000029 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	ND	ND	ND	ND	0.0019 B	ND	0.00059 B	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	ND	0.0143	0.0199 B	0.0098 BJ	0.0066 BJ	0.0036 BJ	0.0079	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.137	0.135	0.049	0.171	NA	0.038	0.096	0.052	0.130	0.150	0.160	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.0013 J	0.0023 J	0.0035 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	NA	ND	0.0018	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.192	0.194	0.019	0.206	0.0518	0.043	0.045	0.036	0.016	ND	ND	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-87
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	9/17/1999	4/4/2000	6/26/2001 183969-1	6/17/2002 210080-4	6/5/2003 236925005	6/10/2004 536967	6/17/2005 643727	6/22/2006 C6F230124013	6/28/2007 C7F290182-011	5/15/2008	10/1/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.0056	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.0091 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.0068	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0067 BJ	**1**	**1**	**1.3**
Cyanide, total	0.011	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	NA	NA	NA	ND	ND	ND	0.0021 B	ND	ND	0.00011 BJ	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.000085 BJ	ND	**0.002**	**0.002**	**0.002**
Nickel	0.0069	NA	NA	NA	ND	ND	ND	ND	0.0012 B	ND	0.0026	**0.100**	**0.100**	**NR**
Zinc	0.083	NA	NA	NA	ND	0.0126	0.0228 B	0.0111 BJ	0.0133 BJ	0.007 BJ	0.0044 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	0.0045	0.0023	0.0021	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	0.0017	0.0013	0.0011	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	0.01	ND	0.013	0.0091	0.0092	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.088	0.106	0.106	0.061	0.0479	0.048	0.044	0.021 J	0.029 J	0.049 J	0.043 J	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	1.1	NA	0.987	0.467	NA	0.740	0.840	0.840	0.850	0.910	0.780	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.15	0.132	0.134	0.086	0.063	0.060 J	0.056 J	0.039 J	ND	0.043 J	0.032 J	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	0.0023	0.0019	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.049	0.0368	0.06	0.036	0.0355	0.028	0.031	0.019 J	0.026 J	0.033 J	0.056 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	0.0061	0.0041	0.0083	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.3	2.19	2.84	1.44	0.532	1.800	1.700	1.300	1.300	1.700	1.600	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-88
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/12/2002 209746-3	6/3/2003 236625012	6/9/2004 536230	6/16/2005 643215	6/22/2006 C6F230124010	6/28/2007 C7F290182-006	4/29/2008	9/25/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)												
Antimony	NA	NA	NA	NA	NA	NA	NA	ND	0.00014 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	ND	0.192	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	ND	ND	ND	ND	ND	ND	0.0168 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	ND	0.00096 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	NA	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	NA	NA	NA	0.00170 BJ	ND	**0.200**	**0.200**	**NR**
Lead	NA	NA	ND	ND	ND	ND	ND	ND	0.000036 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	ND	ND	ND	ND	ND	ND	0.0026	**0.100**	**0.100**	**NR**
Zinc	NA	NA	ND	0.0203	0.0231 B	0.0031 BJ	0.0025 BJ	ND	0.0025 B	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)												
Acetone	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	0.00560	0.0064	0.0039	0.0073	0.0025	ND	ND	0.006 J	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.00520	0.040	NA	0.056	0.027	0.012	0.015	0.091	0.098	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	0.014 J	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	0.0058	0.0056	0.0064 J	0.0017 J	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.0080	0.012	0.0102	0.009	0.0047	0.0019 J	0.0025 J	0.011 J	0.011 J	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	0.0011	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.180	0.186	0.180	0.230	0.076	0.042	0.044	0.280	0.310	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

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B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-91
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/22/2001 183728-2	6/14/2002 210005-3	6/4/2003 236799003	6/9/2004 536233	6/15/2005 642746	6/22/2006 C6F230124002	6/28/2007 C7F290182-010	5/7/2008	9/19/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00016 BJ	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0172 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0014 B	**1**	**1**	**1.3**
Cyanide, total	ND	0.108	0.01	0.076	0.025	0.01	0.350	0.0597	0.027	0.013	**NR**	**NR**	**0.2**
Cyanide, free*	ND	0.014	ND	0.008	ND	0.014	0.0049	ND	0.00680 BJ	0.00380 B	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00031 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	0.0024 B	0.0068	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	0.018 BJ	0.0149	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	0.0012	NA	ND	ND	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	0.0058 J	0.0088 J	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.200	0.214	0.443	0.151	0.120	0.082	0.150	0.130	0.130	0.210	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.069	0.061	0.072	0.0312	0.022	0.020	0.026	0.021	0.021	0.022	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
* = Reported as available cyanide from 2006 on.
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-92
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/10/2000	6/21/2001 183596-8	6/17/2002 210080-1	6/4/2003 236799002	6/10/2004 536965	6/16/2005 643210	6/22/2006 C6F230124003	6/27/2007 C7F280142-011	5/14/2008	9/30/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)													
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00022 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0105 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.00084 B	**1**	**1**	**1.3**
Cyanide, total	ND	0.024	0.019	0.019	0.015	0.027	0.025	0.0234 J	0.0042 B	0.016	**NR**	**NR**	**0.2**
Cyanide, free*	ND	0.008	ND	0.006	ND	0.01	0.0023	ND	0.00620 BJ	0.00500 B	**0.200**	**0.200**	**NR**
Lead	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.000061 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.0018	**0.100**	**0.100**	**NR**
Zinc	NA	NA	NA	NA	NA	NA	NA	NA	0.0108 BJ	0.0056	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)													
Acetone	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	0.0024	0.0025	NA	ND	0.0012 J	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	0.0025 J	ND	0.0025 JB	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.170	0.320	0.168	0.263	0.180	0.210	0.150	0.160 J	0.140	0.190	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.140	0.146	0.153	0.110	0.049	0.045	0.053	0.053	0.021	0.045	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
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J = estimated value, below reporting limit but greater than zero
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B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-93D
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/15/2004 520516	6/20/2005 644013	6/22/2006 C6F230124009	6/27/2007 C7F280142-009	5/13/2008	9/22/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA MCL
							Residential	Non-Residential	
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	ND	0.000052 BJ	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	ND	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	.0005B	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	.0034B	ND	ND	ND	ND	0.0154 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	.0102B	NA	NA	NA	ND	0.00068 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	0.0018 BJ	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	NA	ND	0.0017 B	ND	0.00530 BJ	0.00220 BJ	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	ND	ND	0.000081 B	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	.0024B	ND	ND	0.0013 B	ND	0.0016	**0.100**	**0.100**	**NR**
Zinc	.0218B	0.0475	0.0072 BJ	0.0099 BJ	0.0044 BJ	0.0054	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	0.0016 J	ND	0.0027 J	ND	0.002 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	.0073J	0.0013 J	0.0044 J	0.006	0.0067 J	0.0025	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.051	0.008	0.022	0.037	0.025	0.014	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	NA	ND	ND	ND	0.0087 JB	0.001 JB	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.004	0.0046 J	0.018	0.037	0.013	0.0038	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.34	0.044	0.220	0.170 J	0.200	0.050	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.43	0.05	0.18	0.180	0.250	0.059	**0.005**	**0.005**	**0.005**
Vinyl Chloride	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
* = Reported as available cyanide from 2006 on.
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit

MW-93S
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	4/15/2004 520391	6/20/2005 644012	6/22/2006 C6F230124008	6/27/2007 C7F280142-010	4/25/2008	9/15/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)									
Antimony	ND	NA	NA	NA	ND	0.00096 B	**0.006**	**0.006**	**0.006**
Arsenic	ND	NA	NA	NA	ND	0.00079 B	**0.050**	**0.050**	**0.01**
Beryllium	0.00011 B	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	NA	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	0.0422	0.009 B	0.0067 B	0.0024 B	0.0016 B	0.0063 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	0.0383	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	0.0065 B	NA	NA	NA	ND	0.00054 B	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	0.0036 B	ND	**NR**	**NR**	**0.2**
Cyanide, free*	ND	ND	ND	ND	0.00920 B	0.00170 BJ	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	ND	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	ND	ND	0.00038 B	**0.100**	**0.100**	**NR**
Zinc	0.0309	0.0199 B	0.0043 BJ	0.0033 BJ	0.0028 BJ	0.0037 BJ	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	NA	0.0009 J	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	0.0089	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	NA	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	0.0011 J	0.0026 J	ND	ND	0.0015	0.00062 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	0.00042 J	0.00045 J	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	0.0085	0.0012 J	ND	ND	0.0014	0.0014	**0.07**	**0.07**	**0.07**
Ethylbenzene	NA	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	0.0005 J	ND	ND	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	0.0019 J	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	NA	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.016	0.0043	0.0011 J	0.0021 J	0.0028	0.0018	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	NA	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0088	0.0074	ND	ND	0.0018	0.0012	**0.005**	**0.005**	**0.005**
Vinyl Chloride	NA	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
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RW-2
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date Laboratory ID Parameter/Units	11/10/1986 W-13123	11/10/1986 W-13123 duplicate	12/18/1986 W-14054	4/15/1987 W-17324	10/20/1997 10087207	12/8/1998 298120377006	7/30/1999	3/30/2000	6/20/2001 183492-3	6/12/2002 209745-4	6/3/2003 236625008	ACT 2 MSC Used Aquifer TDS ≤ 2,500 Residential	 Non-Residential	EPA MCL
Metals/Inorganics (mg/L)														
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1**	**1**	**1.3**
Cyanide, total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.100**	**0.100**	**NR**
Zinc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)														
Acetone	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	NA	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	NA	NA	ND	ND	NA	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	NA	NA	ND	0.0018	NA	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	0.004	0.004	ND	0.002	ND	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	0.019	0.020	0.005	0.007	ND	ND	NA	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	2.070	2.090	0.544	0.993	0.005	0.013	0.003	0.00162	0.0033	0.025	0.0027	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	ND	NA	ND	ND	NA	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported

RW-2 (continued)
Groundwater Sampling Data Summary
Inorganics and Volatile Organic Compounds
Former York Naval Ordnance Plant

Sample Date	6/7/2004	6/15/2005	6/20/2006	6/26/2007	4/22/2008	9/26/2008	ACT 2 MSC Used Aquifer TDS ≤ 2,500		EPA
Laboratory ID	535795	642751	C6F210138002	C7F270128-001			Residential	Non-Residential	MCL
Parameter/Units									
Metals/Inorganics (mg/L)									
Antimony	ND	ND	NA	NA	ND	0.00009 B	**0.006**	**0.006**	**0.006**
Arsenic	NA	NA	NA	NA	ND	ND	**0.050**	**0.050**	**0.01**
Beryllium	NA	NA	NA	NA	ND	ND	**0.004**	**0.004**	**0.004**
Cadmium	ND	ND	NA	NA	ND	ND	**0.005**	**0.005**	**0.005**
Chromium, total	ND	ND	NA	NA	0.0014 B	0.012 J	**0.100**	**0.100**	**0.1**
Chromium, hexavalent	ND	ND	NA	NA	ND	NA	**0.100**	**0.100**	**NR**
Copper	NA	NA	NA	NA	0.014 B	0.0034	**1**	**1**	**1.3**
Cyanide, total	ND	ND	NA	NA	ND	ND	**NR**	**NR**	**0.2**
Cyanide, free	ND	ND	NA	NA	ND	ND	**0.200**	**0.200**	**NR**
Lead	ND	ND	NA	NA	ND	0.00015 B	**0.005**	**0.005**	**0.0015**
Mercury	NA	NA	NA	NA	ND	ND	**0.002**	**0.002**	**0.002**
Nickel	ND	ND	NA	NA	0.0113 B	0.0049	**0.100**	**0.100**	**NR**
Zinc	ND	0.0343	NA	NA	0.0545	0.0326	**2**	**2**	**NR**
Detected Volatile Organics (mg/L)									
Acetone	NA	NA	NA	NA	ND	ND	**3.7**	**10**	**NR**
Benzene	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Bromodichloromethane	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.08**
Carbon Disulfide	NA	NA	NA	NA	ND	ND	**1.9**	**4.1**	**NR**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Chlorobenzene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**NR**
Chloroethane	ND	ND	ND	ND	ND	ND	**0.23**	**0.9**	**NR**
Chloroform	ND	ND	ND	0.0012 J	0.00022 J	0.0007 J	**0.1**	**0.1**	**0.08**
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.027**	**0.11**	**NR**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.007**	**0.007**	**0.007**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.07**	**0.07**	**0.07**
Ethylbenzene	ND	ND	ND	ND	ND	ND	**0.7**	**0.7**	**0.7**
Methylene Chloride	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Toluene	ND	ND	ND	0.0013 J	ND	ND	**1**	**1**	**1**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.2**	**0.2**	**0.2**
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
Tetrachloroethene (PCE)	ND	ND	ND	ND	ND	ND	**0.005**	**0.005**	**0.005**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.1**	**0.1**	**0.1**
Trichloroethene (TCE)	0.0035	0.0024	0.0014 J	0.0021 J	0.0017	0.002	**0.005**	**0.005**	**0.005**
Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.002**	**0.002**	**0.002**
Xylenes (Total)	NA	NA	NA	NA	ND	ND	**10**	**10**	**10**

ND = Not Detected
NA = Not Applicable
NR = Not Reported
J = estimated value, below reporting limit but greater than zero
B = Reported value less than Practical Quantitation Limit but greater than zero or equal to the Instrumental Detection Limit