

FINAL DATA REPORT

August 2004

Claremont Polychemical Superfund Site Long-term Groundwater Monitoring Old Bethpage, New York



Prepared For:

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Region II
New York, New York**

Prepared by:

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List of Abbreviations and Acronyms

A-E	architect-engineer
amsl	above mean sea level
As	arsenic
B	organic analyte detected in associated blank, <i>or</i> , inorganic analyte concentration between the instrument detection level and the contract-required detection level (data qualifier)
Ba	barium
bgs	below ground surface
CENWK-EC-EF	US Army Corps of Engineers Kansas City District Environmental Science Section
CLP	contract laboratory program (EPA)
CPC	Claremont Polychemical Corp.
CPSS	Claremont Polychemical Superfund site
Cr	chromium (total)
Cr ⁺⁶	hexavalent chromium
CRDL	contract-required detection level (CLP term for inorganic analyses)
CRQL	contract-required quantitation level (CLP term for organic analyses)
DAR	design analysis report
DCE	dichloroethene
DO	dissolved oxygen
DW-	diffusion well (historical site well)
E	exceeded calibration range (data qualifier)
Eh	oxidation-reduction potential
EPA	US Environmental Protection Agency
EW-	historical monitoring well installed by a particular contractor
EXT-	extraction well (remediation system)
Fe	iron (total)
FS	feasibility study
FSP	field sampling plan
IAG	interagency agreement
IDL	instrument detection limit
INJ	injection well (remediation system)
GM-	historical monitoring well installed by a particular contractor
gpd/ft ²	gallons per day per square feet
GWTS	groundwater treatment system
HCl	hydrochloric acid
J	estimated (data qualifier)
LCL	lower confidence limit
LCS	laboratory control sample
LTEV	low temperature enhanced volatilization
LTGWM	long-term groundwater monitoring
LTRA	long-term remedial action
MCL	maximum contaminant level

MDL	method detection limit
MEE	methane, ethane, ethene
Mn	manganese
MS	matrix spike
MSD	matrix spike duplicate
mV	millivolt
MW	monitoring well
na	not analyzed
NCDH	Nassau County Department of Health
ND	not detected
NPL	National Priorities List
NR	not reported
ns	not sampled
NTU	nephelometric turbidity units
NYSDEC	New York State Department of Environmental Conservation
OBL	Old Bethpage Landfill Superfund site
O&M	operations and maintenance
ORP	oxidation-reduction potential
OU 1-6	operable units 1 through 6
Pb	lead
PCE	tetrachloroethene
pH	hydrogen ion activity
PQL	practical quantitation limit
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
QCSR	quality control summary report
R	rejected (data qualifier)
RD/RA	remedial design/remedial action
RI	remedial investigation
ROD	record of decision
RPD	relative percent difference
SAIC	Scientific Applications International Corporation
SAP	sampling and analysis plan
Sb	antimony
Se	selenium
su	standard units (pH)
STL	Severn-Trent Laboratory
SVOC	semivolatile organic compound
SW-	historical site well designation
TAL	target analyte list
TB	trip blank
TCA	trichloroethane
TDS	total dissolved solids
TCE	trichloroethene

*Claremont Polychemical Corp. Superfund Site
Long-term Groundwater Monitoring Data Report
US Army Corps of Engineers – Kansas City District*

TCL	target compound list
TOC	total organic carbon
TRPH	total recoverable petroleum hydrocarbons
TSS	total suspended solids
U	not detected (data qualifier)
UCL	upper confidence limit
URS	URS Greiner Corporation
USACE	US Army Corps of Engineers
USACE-KCD	US Army Corps of Engineers Kansas City District
USACE-NAN	US Army Corps of Engineers New York District
VOC	volatile organic compound

Executive Summary

Introduction

This third data report summarizes hydrogeologic data and analytical results of groundwater and process water sampling associated with long-term groundwater monitoring and treatment plant operations at the Claremont Polychemical Superfund Site (CPSS), Old Bethpage, New York, for the period November 2002 to October 2003, and is based on data provided by the operations and maintenance (O&M) contractor, Scientific Applications International Corporation (SAIC). This report also provides conclusions and recommendations for future actions. Data reports one and two summarize data collected from February 2000 through May 2001 and June 2001 through October 2002, respectively. Analytical results from the October 2002 sampling event, which were presented in the second data report, are also presented in this report since they represent a baseline for the extended monitoring network.

Site Background

The Claremont Polychemical Superfund Site is located on a 9.5-acre parcel of land in the industrial section of Old Bethpage, Nassau County, New York. The site lies approximately 800 feet east of the border between Nassau and Suffolk County, and is accessed via Winding Road on the property's western border. The CPSS property includes one large two-story building, covering approximately 35,000 square feet (the former processing plant) and a smaller water treatment building with ancillary structures.

The Claremont Polychemical Corporation (Claremont) operated from 1966 to 1980 and was a former manufacturer of pigments for plastics and inks, coated metal flakes, and vinyl stabilizers. In 1979, State Inspectors identified releases associated with damaged or mishandled drums in several areas including one larger release located east of the plant building (referred to as the "spill area") and the drums were removed 1980. Ownership and site management was transferred to the New York Bankruptcy Court later that year but the petition was eventually dismissed in 1997 transferring ownership back to Claremont. By June 1986, the Claremont Polychemical Site was placed on the US Environmental Protection Agency's (USEPA) National Priorities List (NPL) and is currently being addressed through federal actions.

Following a number of investigations and removal actions, construction began on a groundwater treatment system (GWTS) designed to capture most of the on-site contamination in 1997. The system went into full-scale operation in February 2000. The EPA also incorporated an ongoing groundwater remediation system at the nearby Old Bethpage Landfill Site to capture contaminants associated with the off-site groundwater plume. In February 2000, the long-term response action (LTRA) services for this site began under a USACE contract action as directed by the Kansas City District (CENWK). Region II requires these services for nine years or until February 2010.

Local stratigraphy consists of approximately 1,200 feet of unconsolidated Quaternary, Tertiary and Cretaceous System sand and silty sand sediments of glacial, fluvial, and deltaic origin, which overlie Precambrian igneous and metamorphic bedrock (Rust 1992; Ebasco, 1990). At the Claremont site, the Magothy Formation is the uppermost geologic unit and aquifer of concern.

Site Objectives

The overall objective of groundwater treatment as stated in the ROD is that “extraction and treatment of the contaminated groundwater will contain the migration of the plume and, in time, will achieve Federal and State standards for volatile organic contaminants.” The primary objectives for site activities are to provide effective Operation and Maintenance (O&M) for the site system and to ensure that it is adequately addressing site groundwater contamination in accordance with the Record of Decision (ROD) and all regulatory requirements. The first objective is provided by the USACE through LTRA contractual agreements with an on-site O&M contractor (currently SAIC). The second objective is provided by monitoring system performance (weekly and monthly frequencies) and groundwater (quarterly frequency). Groundwater data reports are then provided to the USEPA Region II on a semi-annual basis. This third data report and previous data reports one and two bring the reporting requirements up to date.

Groundwater Monitoring Network

Hydrogeologic data was collected from 14 on-site wells and an additional 15 off-site wells in October 2002, April 2003, July 2003, and October 2003. Together, these wells comprise the extended monitoring network. Hydrogeologic data was also collected from additional on-site wells PPW-1 (October 2003), RW-01 (April 2003 and July 2003), and WT-1 (April 2003, July 2003, and October 2003). RW-01 was abandoned immediately following the July 2003 sampling event. During January 2003, hydrogeologic data was only collected from the 14 on-site wells as part of the reduced monitoring well network.

On-site and off-site wells have been grouped into 6 “levels” based on the elevation of the screened interval. This grouping is useful for describing contaminant distribution and system operation, and is based solely on well construction information, not on lithologic or hydrogeologic differences in the formation, since the Magothy aquifer is unconfined and the levels are hydraulically connected.

Groundwater Monitoring Analytical Results

This report includes results from five rounds of groundwater sampling. For all rounds except January 2003, the extended monitoring network was sampled for chemical analyses. The October 2002 sampling event was the first round collected from the extended monitoring network.

PCE distribution for the October 2002 data set shows the vicinity of the extraction wells to be the locus of highest PCE concentrations, suggesting that this contaminant is being captured by the extraction system.

TCE, *cis*-1,2-DCE, and 1,1,1-TCA distributions for the October 2002 data set show specific monitoring well clusters to be the locus of maximum contamination, not the extraction wells. Detections offsite indicate these analytes are present in deeper intervals to the south and southeast. The data suggest that the extraction system is not providing complete capture, and that contaminant migration is occurring in deeper levels of the aquifer.

Additional description and discussion of these and other site chemicals of concern and water quality parameters are provided in the body of the report.

Current System Operation

The groundwater is sampled and analyzed in accordance with the Sampling and Analysis Matrix for the GWTS originally provided in the Radian Field Sampling Plan Addendum (Radian, 1999). The Sampling and Analysis Matrix requires groundwater chemical analyses be performed for a limited number of locations within the GWTS. The GWTS is designed to treat groundwater at a flow rate of 500 gpm with a contract requirement of 174 million gallons per year. The current contractor is running the plant at an average of 340 gpm, but actually, the plant runs at 400 gpm 85% of the time.

The most cited operational problem relates to the proper functioning of the flow meters. The flow meter bearings fail at variable flow rates giving out erroneous readings of the flow rate. A precise flow rate is needed to tabulate the amount of groundwater treated and to calculate the amount of contamination being removed by the plant. Poor functioning of these flow meters could potentially lead to inaccurate evaluation of groundwater and plume capture. Installation of a magnetic flow meter on the effluent line was completed in May 2003. Future plant improvements should include replacing the influent flow meters as well.

Another operational problem is solids loading of the sand filters, which leads to water overflowing from the filters and more water than usual being sent to the recycle tank. This problem also limits system flow and requires significant maintenance to correct. A pilot bag filter system was installed to bypass 50 gpm of water from the sand filters directly to the air stripper. Since the installation of the bag filter, the recycle rates have returned to normal and system flow rates have increased.

Occasional phase imbalance of the electrical utility occurs at the plant. This could lead to degradation of the main motor electrical systems, which will result in failure of the motors or motor starters with repeated occurrences. Phase protection relays in the motor control center and the air compressor control panel would protect the plant from any possible future phase imbalance damage.

Conclusions, Recommendations, and Future Work

- The current onsite well network is not adequate to monitor either horizontal or vertical contaminant migration. Additional background monitoring well clusters at the Level 2, 3 and 4 are proposed near the northeast and western property boundary to determine if contamination from potential sources hydraulically upgradient are impacting the site. An additional deep well is also proposed at the EW-2, EW-4, and EW-6 well clusters at Level 4 to assist in the vertical delineation of the contaminant plume and to determine if the site may be impacted by potential upgradient sources.
- The installation of several observation wells should also be considered for improved monitoring of the extraction system cone of depression.
- Groundwater modeling that provides 3-dimensional infinite capabilities for evaluation of the capture zone and possible modification of the current extraction system will be conducted. The software will be capable of providing visual cross-sections to adequately evaluate contaminant concentrations and extrapolate migration across the horizontal (x and y-axes) and vertical (z-axis). The installation of several observation wells should also be considered for improved monitoring of the extraction system cone of depression.
- Useful information is being provided from nearby downgradient monitoring wells associated with the OBL (LF and MW clusters) and the Fireman's Training facility (BP cluster), which are located within the Bethpage State Park and golf course. The USACE is currently coordinating efforts to develop a common database or repository for use by all parties to ease data access and sharing
- PCE was detected at high frequency and concentrations, and remains a site analyte of concern. The highest PCE concentrations per sampling round are from the shallowest depth wells, which is consistent with previous work. Many Level 1 wells have been dry since November 2001 and the apparent decrease in maximum PCE concentration since August 2001 may change when the water level rebounds. PCE distribution data suggest that PCE is being captured by the extraction system.
- TCE was detected at high frequency and concentrations, and remains a site analyte of concern. The highest TCE concentrations per sampling round are from EW-4C, a Level 3 well, which is consistent with previous work. TCE distribution data suggest that TCE is not being completely captured by the extraction system. TCE has been detected in deeper off-site wells, suggesting that there is a vertical dimension to contaminant migration.
- Historical identification of *trans*-1,2-DCE as an analyte of interest may have been erroneous due to limitations of older analytical methodology and/or data reporting errors. Although both *cis*- and *trans*- isomers of 1,2-DCE have been detected, *cis*-1,2-DCE was detected more frequently and at higher concentrations, and is a site analyte of concern. The highest *cis*-1,2-DCE concentrations per sampling round have been in Level 3 wells since November 2001 and in EW-4C, the locus of elevated TCE, since February 2002. *Cis*-1,2-

DCE distribution data suggest that this analyte is not being captured by the extraction system, and is migrating off-site at deeper levels.

- 1,1,1-TCA was detected at high frequency and concentrations, and remains a site analyte of concern. The on-site locus for 1,1,1-TCA is EW-2C, rather than the extraction wells. Higher concentrations were detected off-site in the deeper MW-10 cluster to the southeast, indicating that this analyte is not being captured by the extraction system.

- Barium, manganese, and iron were the most frequently detected metals, with barium and manganese detected in all samples. Barium and manganese concentrations have remained fairly constant through time, and appear to be representative. An abrupt decrease in iron concentrations may be related to a change in sampling protocols, and the lower concentrations are probably more representative. Other metals have not been detected consistently or at elevated concentrations, and do not appear to be of concern.

- Site DO, ORP, and pH conditions in general do not appear favorable to reductive intrinsic bioremediation.

- The GWTS effluent results show the TCE concentration above discharge limits one in July 24, 2003. The exceedence is because the carbon needed to be replaced in the liquid phase GAC vessels, which was performed after the reporting period of this report in December 2003.

- Mechanical flow meters that measure flows at various points of the system need to be replaced with better quality flow meters. The effluent flow meter was replaced with a magnetic flow meter in May 2003. Replacement of influent flow meters is recommended as well.

- Sand filters are becoming a growing maintenance problem and serious thought should be considered to replace them with bag filters. The pilot bag filter system has returned the recycle rates to normal and has helped to increase the system flowrate.

- Electrical phase protection relays in the motor control center and the air compressor control panel should be installed at the plant to protect the plant motors against occasional phase imbalance. This should prevent possible degradation of the main motor electrical systems.

Data Report

1 Introduction

This third data report summarizes the hydrogeologic and analytical results of groundwater and process water sampling associated with long-term groundwater monitoring and treatment plant operations at the Claremont Polychemical Superfund Site (CPSS), Old Bethpage, New York, for the period November 2002 to October 2003, and is based on data provided by the operations and maintenance contractor (Scientific Applications International Corporation (SAIC)). This report also provides conclusions and recommendations for future actions. Data reports one and two summarize data collected from February 2000 through May 2001 and June 2001 through October 2002, respectively. Analytical results from the October 2002 sampling event, which were presented in the second data report, are also presented in this report since they represent a baseline for the extended monitoring network.

Hydrogeologic and analytical data were collected in October 2002, April 2003, July 2003, and October 2003 from the extended monitoring well network which currently includes 14 on-site wells and an additional 15 off-site wells. The additional off-site wells were added to the monitoring network in October 2002 to provide a more comprehensive understanding of the plume extent. Data were collected in January 2003 from the reduced network of on-site wells. Hydrogeologic and analytical data were also collected from additional on-site wells PPW-1 (October 2003), RW-01 (April 2003 and July 2003), and WT-1 (April 2003, July 2003, and October 2003). RW-01 was abandoned immediately following the July 2003 sampling event. Treatment plant influent and effluent samples were collected and analyzed monthly between November 2002 and October 2003.

SAIC collected samples that were analyzed using the US Environmental Protection Agency (EPA) contract laboratory program (CLP). Analyses for target compound list (TCL) VOCs, SVOCs, target analyte list (TAL) metals were conducted in accordance with OLC03.2, ILM04.1 methodology. Non-CLP water quality analyses were conducted by ALSI laboratory, and six field water quality parameters were measured during monitoring well purging.

2 Site Description and History

2.1 Current Setting

The Claremont Polychemical Superfund Site (CPSS) is located on a 9.5-acre parcel of land in the industrial section of Old Bethpage, Nassau County, New York. Figure 2-1 shows the location of the site and all adjacent properties. The site lies approximately 800 feet east of the border between Nassau and Suffolk County, and is accessed via Winding Road on the property's western border. The CPSS property includes one large two-story building, covering approximately 35,000 square feet (the former processing plant) and a smaller water treatment building with ancillary structures.

Properties adjacent to the CPSS include the Bethpage State Park and a golf course to the south and southeast, the State University of New York-Farmingdale Campus to the east, and a commercial and light industrial area to the north. The Oyster Bay Solid Waste Disposal Complex (Old Bethpage Landfill or OBL) is immediately west of the CPSS, and is also a Superfund site with the Town of Oyster Bay as the responsible party. The Nassau County Fireman's Training Center, which has also contributed to soil and groundwater contamination in the area, is located approximately 500 feet south of the OBL site. Groundwater extraction and treatment systems are currently in operation at both the OBL site and Fireman's Training Center. The golf course has a number of pumping and/or irrigation wells, which are used for watering the fairways. The closest residences are approximately one-half mile from the site, immediately west of the OBL. The nearest public supply well is located 3,500 feet northwest of the site. Within a 3-mile radius of the CPSS, nearly 47,000 people obtain water from private-use wells.

2.2 Environmental Investigation History

The Claremont Polychemical Corporation (Claremont) operated from 1966 to 1980 and was a former manufacturer of pigments for plastics and inks, coated metal flakes, and vinyl stabilizers. During its operation, Claremont disposed of liquid waste in three leaching basins and deposited solid wastes and treatment sludge in drums or in old, aboveground metal tanks. The principal wastes generated were organic solvents, resins, and wash wastes (mineral spirits) (Table 2-1 and Ebasco, 1990)

During a series of inspections in 1979, the Nassau County Department of Health (NCDH) found 2,000-3,000 drums of inks, resins, and organic solvents on the Site. Inspectors identified releases associated with damaged or mishandled drums in several areas including one larger release located east of the plant building (referred to as the "spill area"). Claremont sorted and removed the drums in 1980.

In 1980, NCDH directed Claremont to install groundwater monitoring wells but the facility declared bankruptcy later that year. Ownership and site management was transferred to the New York Bankruptcy Court. However, in 1997 the Court dismissed Claremont's bankruptcy petition and ownership of the property shifted back to Claremont.

The Claremont Polychemical Site was placed on the US Environmental Protection Agency's (USEPA) National Priorities List (NPL) in June 1986 and is currently being addressed through federal actions. The Remedial Investigation/Feasibility Study (RI/FS) was initiated and completed in 1989. The US Environmental Protection Agency, Region II (EPA Region II) also conducted a removal action in 1989 and 1990 for 13,000 gallons of hazardous liquid wastes contained in drums, aboveground storage tanks, and basins.

EPA Region II determined that contamination at the CPSS required remediation as specified in the Record of Decision (ROD) dated September 1989. The ROD required compatibility testing, bulking and consolidation, and treatment and disposal of wastes from operable unit 2 (OU2).

EPA Region II initiated a second, comprehensive RI/FS in 1988. A second ROD followed in 1990 and required the following remedial actions: treatment of underground storage tanks (OU-1), excavation and treatment of contaminated soil by low temperature-enhanced volatilization (LTEV) of the contaminants (OU-3) and deposition of the treated soil in the excavated areas; extraction and treatment of the on-site groundwater by air stripping and carbon absorption and then reinjection of the treated water into the ground upgradient with appropriate monitoring (OU-4); treatment of off-property groundwater contamination by air stripping and carbon absorption (OU-5), and decontamination of the on-site building by vacuuming and dusting the contaminated surfaces and by removing the asbestos insulation (OU-6).

In September 1990, the EPA entered into an interagency agreement (IAG) with the US Army Corps of Engineers (USACE) to design the LTEV at OU-3, the on-property groundwater treatment system (OU-4), and perform the building decontamination (OU-6). In September 1993, the EPA Region II entered into a second IAG with the USACE to perform oversight of the construction activities at OU3 and the decontamination of OU-6.

USACE completed the design work for OU-3 and OU-4 in February 1995. The soil excavation work (OU-3) and building decontamination (OU-6) were completed in December 1996 and July 1998, respectively. During the building decontamination, a hole was discovered in the building's concrete slab, and ultimately a new source of organic contamination (tetrachloroethene (PCE)) in the soil and groundwater beneath the building was discovered. EPA determined that the best way to address the soil contamination would be a soil vapor extraction (SVE) system. The SVE pilot system was scheduled for design in September of 2001 and was implemented in fall of 2002 under the supervision of Region II.

The groundwater portion of the remedy was implemented in two phases. During the first phase, three extraction wells and four reinjection wells were installed to capture most of the on-site contamination (OU-4). Construction began in 1997 and the wells went into full-scale operation in February 2000. The second phase was addressing the off-site groundwater contamination. The EPA incorporated an ongoing groundwater remediation system at the nearby Old Bethpage Landfill Site to capture contaminants associated with the off-site groundwater plume (OU-5). Hence, the off-site plume will be addressed through a financial assistance agreement between the EPA and the New York State Department of Environmental Conservation (NYSDEC), which integrates the remedy for Claremont's off-site plume into the Old Bethpage treatment system.

In February 2000, URS Greiner Corporation (URS) began the long-term response action (LTRA) services for this site at OU-4 under a USACE contract action as directed by the Kansas City office (CENWK). Once awarded, the task order authority was transferred to the USACE New York office (CENAN). Following the award, CENAN personnel have been providing oversight for the ongoing site operations and monitoring. CENAN exercised the one-year priced option during the past year, which expired on February 22, 2002.

In September 2001, CENWK was tasked with providing quarterly groundwater monitoring reports and for the Long-Term Remedial Action (LTRA) services and operations and Maintenance (O&M) at the CPSS site under another IAG with EPA Region II. Region II requires these services for nine years or until February 2010. This third data report and previous data reports one and two bring the reporting requirements up to date. Future data reports will be provided on a semi-annual basis.

3 Physical Setting

3.1 Climate

The site's geographic location with respect to the Atlantic Ocean has a moderating affect on area weather conditions (Ebasco, 1990). Temperatures historically range from approximately 25° to 78° Fahrenheit (F) and annual precipitation ranges between 40 to 45 inches. Area wind typically flows from the west-northwest with a secondary direction out of the northeast. However, the existence of the OBL structure alters the direction of wind at the Claremont site by creating an obstruction to air flow along the east-west axis. The result is wind flowing north to south across the site with an absence of flow from the west. Average annual wind speed at the site is 9.5 miles per hour (Ebasco, 1990).

3.2 Physiography

The Claremont Polychemical Superfund site is located on Long Island within the Coastal Plain physiographic province (Ebasco, 1990). Locally, the nearest natural surface drainage feature is the Massapequa Creek, which lies approximately three miles to the south (Ebasco, 1990). Only seasonal surface runoff related to precipitation occurs on the site. A number of anthropogenic water bodies are in the immediate area both up- and downgradient. The nearest is a pond downgradient and adjacent to the Nassau County Firemen's Training Area.

Although most of the site is relatively flat with elevations ranging between 128 to 134 feet above mean sea level, the site topographically slopes upgradient to the north and northeast (Ebasco, 1990). The Old Bethpage landfill creates approximately 125 ft. of relief to the west of the site. The Bethpage State Park and the golf course that border the site to the south and east have elevations 20 to 30 feet higher than the Claremont site. The sudden change in elevation suggests that portions of the site were historically used for borrow materials.

3.3 Geology

Local stratigraphy consists of approximately 1,200 feet of unconsolidated Quaternary, Tertiary and Cretaceous System sand and silty sand sediments of glacial, fluvial, and deltaic origin, which overlie Precambrian igneous and metamorphic bedrock (Rust 1992; Ebasco, 1990). The bedrock contact is an unconformity or erosional contact, which represents a significant break in geological deposition and time (Figure 3-1). Historical investigations in the immediate area surrounding the Claremont site have encountered four main geologic units, which in descending order are: approximately 20 feet of Upper Glacial/Manetto Gravel

deposits (Quaternary System), approximately 750 feet of the Magothy Formation (Cretaceous System), 150 feet of the Raritan Clay member (Cretaceous System), and approximately 250 feet of Lloyd Sand member (Cretaceous System) (Ebasco, 1990; Feldman et al., 1992). Subsequent to the Remedial Investigation, several stratigraphic units have been renamed or reclassified (Foster, et al., 1999). The changes are documented on Figure 3-1 for correlation. However, the following description uses the older unit classifications for consistency with previous investigations.

At the Claremont site, the Upper Glacial/ Manetto Gravel is absent and the Magothy Formation is the uppermost geologic unit and aquifer of concern. Fill material overlies the Magothy Formation in a sporadic pattern across the north and east portions of the site, and is approximately 2 – 6 ft. thick when present. Local water supply wells in the Magothy Formation are typically screened within the intermediate and lower portions of the aquifer to intercept the coarse, gravel-rich intervals.

Site-specific subsurface investigations from a variety of soil borings and monitoring, injection, and/or extraction well installations to a maximum depth of 250 feet below ground surface (bgs) have identified “well-stratified fine to medium sand with silt lenses, abundant peat laminae, and discontinuous sand layers” (Ebasco, 1990). Borings in the northern portion of the site also encountered numerous interbedded silt and clay horizons. A comparison of site logs with municipal supply well logs to the north suggest that the site is located within a transitional area between the predominately sandy southern portion of the Magothy Formation and an interbedded clayey-sand portion to the north (Ebasco, 1990).

3.4 Hydrogeology

3.4.1 General

The Magothy Formation is the uppermost water-bearing unit and the sole-source aquifer supplying potable drinking water to the majority of Long Island (Ebasco, 1990). It is an unconfined aquifer and the water table is typically encountered between 65 to 95 feet below ground surface (bgs). Previous investigations have shown that while the Magothy Aquifer has bodies of silt and clay within it, they are lenticular and discontinuous. Since vertical hydraulic barriers are not present locally, unit saturated thickness is assumed to be 650 to 700 ft.

Recharge occurs through precipitation and upgradient subsurface flow. Nearly 50% of annual precipitation can add to the recharge resulting in seasonal water level fluctuations of up to five feet (Rust, 1992 and Ebasco, 1990).

3.4.2 Hydraulic Conductivity

Hydraulic conductivities in the range 200 – 400 gpd/ft² were obtained from hydraulic permeability testing (slug tests) conducted during the RI (Ebasco, 1990). Recent hydraulic recovery data was collected during a system shutdown in late June 2003 using the three

extraction wells and two nearest monitoring well clusters as observation points. Transmissivities ranged from 126,700 gpd/ft at EW-3 to 190,700 gpd/ft at MW-8C. Hydraulic conductivities ranged from 194.9 gpd/ft² to 293.4 gpd/ft² based on a saturated thickness of 650 feet for the Magothy Formation. These data are within the range of hydraulic conductivities obtained from slug tests conducted during the RI. Aquifer recovery and monitoring results are presented in Appendix C.

3.4.3 Hydraulic Gradients and Groundwater Flow

Hydrogeologic data was collected by SAIC in October 2002, January 2003, April 2003, July 2003, and October 2003. (Table 3-1 and Figure 3-2). The January 2003 data, however, does not include upgradient well cluster MW-6 or several data points that are lateral and downgradient beyond the confines of the immediate Claremont site, which produces a very myopic and extremely bias view of the site's potentiometric surface. Hence, the January 2003 data was not plotted for this report.

According to RI report, groundwater flow is generally to the south-southeast with historical gradients ranging from 0.001-0.002 (ft/ft) (Ebasco, 1990). Based upon groundwater elevation data collected from October 2002 to October 2003, potentiometric surface maps were created for the site and adjacent properties (Figures 3-3 through 3-6). The recent data confirms a generally south and southeast direction of groundwater flow, with a slight depression in the vicinity of the extraction wells. This depression appears to be the result of artificial drawdown within the well and do not necessarily represent actual groundwater elevations within the formation. To provide a more accurate depiction of the extraction well radius of influence, additional observation wells would be required immediately east to southeast of the extraction system.

In October 2002, April 2003, July 2003, and October 2003 the horizontal gradient was approximately 0.003 (ft/ft), 0.002, 0.002, and 0.005, respectively as measured between monitoring wells EW-6C and EW-4C over a distance of approximately 625 ft, 0.002, 0.003, 0.003, and 0.002, respectively as measured between monitoring wells EW-4C and EW-2C at approximately 300 feet, and 0.001 for each of the four sampling rounds as measured between monitoring wells MW-8C and MW-10C at approximately 1100 feet.

Historical records indicate marginal variations between piezometric elevations within the same site well clusters ("generally less than 0.5 feet without consistency or pattern"). Thus, it was determined to be insignificant with respect to contaminant movement (Ebasco, 1990). Unfortunately, actual vertical gradients and flow velocities are only inferred and not directly mentioned in Ebasco report. It is true that groundwater data collected on a quarterly frequency from five sets of on-site clustered monitoring wells since August 2001 does not show consistent patterns of either upward or downward gradients, which ultimately reflects subsurface discharge or recharge, respectively (Table 3-1). However, significant vertical gradients have been observed during quarterly groundwater sampling events, which could easily impact migration of site contaminants, as they are often several magnitudes greater than observed and historical horizontal component.

3.4.4 Database Development and Groundwater Modeling

As part of the ongoing activities at the site, a coordinated effort between Nassau County (Fire Training Center), the Town of Oyster Bay (Old Bethpage Landfill), and the USEPA/USACE/SAIC (Claremont Polychemical) have been undertaken to develop a common database and groundwater model for the area. The model will be utilized to evaluate current sampling regimens, capture zone analysis, and contaminate fate and transport with regards to the hydraulic influence of the surrounding extraction systems. It is anticipated that the groundwater model will be completed prior to the end of the calendar year.

3.5 Wells

In order to compare data in discrete zones within the aquifer, the screened interval elevations of monitoring wells, extraction wells, and injection wells have been grouped into the following 6 “levels” within the aquifer: Level 1, 75.10 through 44.86 feet AMSL; Level 2, 42.35 through 22.32 feet AMSL; Level 3, 20.62 through 2.99 feet AMSL; Level 4, -13.99 through -40.99 feet AMSL; Level 5, -91.00 through -118.10 feet AMSL; and Level 6, -149.20 through -196.20 feet AMSL (Table 3-2). Since the Magothy aquifer is unconfined and the levels are hydraulically connected, these levels are based solely on well construction information, not on lithologic or hydrogeologic differences in the formation. Table 3-2 shows the well construction data grouped by levels.

Monitoring wells shown in Table 3-2 were constructed using 5 to 10 foot screens with the exception of EW-4A, BP-3A, BP-3C, and PPW-1, which have 15, 20, 20, and 30 foot screens, respectively. These screens, therefore, only partially penetrate their assigned level. Although the extraction wells are screened across multiple levels, they do not extend to the deepest monitoring level. Extraction Well 1 (EXT-1) has two screened intervals, with the upper screen intercepting Levels 1 and 2 and the lower screen intercepting Levels 3 and 4. Extraction Well 2 (EXT-2) also has two screened intervals, with the upper screen intercepting Level 2 and the lower screen intercepting Levels 3 and 4. Extraction Well 3 (EXT-3) has a continuous screened interval, which intercepts Levels 2, 3 and 4. Since Level 4 is the deepest level intercepted by the site’s extraction wells, contaminants that have migrated below this interval will likely not be removed by the system.

4 Groundwater Monitoring Analytical Results and Discussion

This report includes results from five rounds of groundwater sampling performed by the current O&M contractor (SAIC, Inc.) conducted during October 2002, and January, April, July, and October, 2003. During the January 2003 round, only the 14 monitoring wells located on the Claremont Polychemical site property (Table 3-2 and Fig. 3-2) were sampled for chemical analyses. During the October 2002, and April, July, and October, 2003 rounds, the extended monitoring network, which includes the on-site wells plus 15 additional offsite wells, was sampled (Table 3-2 and Fig. 3-2).

Samples from all rounds were analyzed for TCL volatiles and TAL metals through the EPA contract laboratory program (CLP) using methods OLC03.2 and ILM04.1 respectively.

Analytical data for the five rounds of groundwater monitoring sampling covered in this report are listed in Tables 4-1, 4-3, 4-5, 4-7, and 4-9. Number of samples, detections, and detected concentration ranges for each round are given in Tables 4-2, 4-4, 4-6, 4-8, and 4-10.

Cumulative analytical data per well for the 14 site wells and three extraction wells are given in Tables A-1 to A-16 in Appendix A. All cumulative monitoring well tables include available historical data from investigations by CA Rich Consultants (1986), Ebasco (1990), and SEC Donohue (1992).

Concentration plots for analytes that were detected with sufficient frequency for graphical presentation (PCE; TCE; *cis*-1,2-DCE; 1,1,1-TCA) are shown in Figures 4-1 to 4-16. The plots were prepared using Surfer® version 7 (Golden Software, Inc., 2001) and include data from October 2002, and April, July, and October, 2003. Concentrations of PCE and TCE below action levels are depicted as white on the plots. Since the concentrations *cis*-1,2-DCE and 1,1,1-TCA did not exceed the action levels at most monitoring well locations, these data are represented as a graduated color scale from the minimum detected concentration to the maximum detected concentration. Monitoring well locations with no detections are depicted as white on the plots. January 2003 data was not plotted for this report since upgradient well cluster MW-6 and several data points that are lateral and downgradient beyond the confines of the immediate Claremont site were not sampled. Depiction of this data would not be comparable to the other sampling rounds due to the lack of measured data points outside the property boundaries.

In order to avoid software artifacts due to the sparse amount of data from some well screen levels, the data were plotted conservatively using the maximum analyte concentration per well cluster. Therefore, Figures 4-1 through 4-16 are not depth-discrete. In the future, as additional wells are added to the monitoring network and contaminant data becomes available through a shared database, contaminant concentrations will be plotted for discrete intervals within the aquifer.

4.1 Analyte Distribution and Magnitude

4.1.1 Analytes of Interest

The site record-of-decision (ROD) lists 11 VOCs as being of concern: tetrachloroethene (PCE), trichloroethene (TCE), *trans*-1,2-dichloroethene (*trans*-1,2-DCE), vinyl chloride, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), benzene, ethylbenzene, xylene, methylene chloride, and acetone (US EPA, 1990a). In addition to these analytes, the site discharge permit also includes *cis*-1,2-dichloroethene (*cis*-1,2-DCE), 1,1-dichloroethene (1,1-DCE), chloroform, toluene, and chlorobenzene. Acetone and methylene chloride are common laboratory contaminants, and are not discussed further.

Inorganic analytes of interest listed in the ROD are arsenic (As), chromium (Cr), lead (Pb), and manganese (Mn). In addition to these analytes, the site discharge permit also includes antimony (Sb), barium (Ba), cadmium (Cd), iron (Fe), selenium (Se), and hexavalent chromium (Cr⁺⁶). For data collected during 2000 to February 2002, groundwater samples were analyzed for Cr⁺⁶, but this analyte was not detected (Tables 4-13; A-1 to A-13). Following discussion with the regulators, Cr⁺⁶ was removed from the list of groundwater monitoring analytes but retained as an analyte for plant effluent discharge monitoring. Since Cd was historically used on-site (Table 2-1; Ebasco, 1990), Cd was added to the groundwater monitoring and effluent analytes for data subsequent to February 2002.

Cumulative number of samples, number of detections, wells having the maximum and minimum detections per analyte, and screen level for the wells are summarized in Table 4-11.

4.1.2 PCE

Tetrachloroethene (PCE) is an analyte of interest listed in both the ROD (USEPA, 1990a) and the site discharge permit. PCE can be an initial release to the environment. Historical data indicate that PCE was used onsite (Table 2-1; Ebasco, 1990).

Since long-term monitoring began in May 2000, PCE was detected in 162 of 184 site groundwater samples and 198 of 242 total long-term groundwater monitoring samples (Table 4-11).

The highest pre-remediation historical detection of PCE in a site monitoring well was 1,300 µg/L in SW-1 (Table A-10).

Since May 2000, the highest concentrations of PCE ranged 84.0 – 7,100.0 µg/L, and were reported for Level 1 wells for all rounds except August 2002 (Table 4-11). During May 2000 to February 2002, SW-1 (Level 1) was the site locus of maximum PCE contamination (Table 4-11). Due to extended lack of precipitation, SW-1 was dry from November 2001 to July 2003. The highest concentration of PCE detected during this time frame was 340 µg/L in EW-1A (also a Level 1 well) in May 2002. By October 2002, the highest concentration of PCE in a site monitoring well was 84 µg/L in EW-4A, the only Level 1 monitoring well that was not dry during that sampling round. In October, 2003, the water table had rebounded sufficiently to collect analytical samples from SW-1, however, the water level was not sufficient to purge and stabilize field indicator parameters. The PCE concentration for SW-1 was 1,300 µg/L, which was the highest PCE value since May 2001. The data indicate that the highest PCE concentrations have consistently been detected in samples from the shallowest monitoring wells, which is in agreement with previous work (Ebasco, 1990; US EPA, 1990a).

PCE was detected in 71 of 72 extraction well samples at a concentration range of 19.0 – 1,900 µg/L (Table 4-11). The highest concentrations of PCE in extraction wells were reported for EXT-2 for all sampling rounds except April and October 2003 (Table 4-11).

PCE distribution for the October 2002 data set is shown in Figure 4-1. This figure shows the maximum detected concentration for each well and is not depth-discrete. As indicated by Figure 4-1, the isocontours for highest concentrations of PCE are concentrated in the vicinity of the extraction wells, suggesting that this contaminant is being captured by the extraction system.

Due to the fact that only on-site wells were sampled in January 2003, this round has not been plotted. PCE distribution for the April and July 2003 data sets are shown in Figure 4-5 and 4-7. During both rounds, the highest concentration of PCE was detected in EW-1A, with a detection of similar but lower magnitude in EXT-1. The data suggest that PCE is not all being captured by the extraction system.

PCE distribution for the October 2003 data set is shown in Figure 4-13. In this figure, the locus of PCE contamination has shifted from EW-1A and the extraction wells to SW-1. This well has been dry since August 2001, but historically intercepted the highest PCE concentrations.

4.1.3 TCE

Trichloroethene (TCE) is an analyte of interest listed in both the ROD (USEPA, 1990a) and the site discharge permit. Although TCE can be an initial release to the environment, historical data do not indicate that TCE was used on-site (Table 2-1; Ebasco, 1990). TCE can also be produced in the environment by reductive dechlorination of PCE (Bouwer, 1994; Kleopfer et al., 1985) (Fig. 4-5).

TCE was detected in 139 of 184 site groundwater samples and 178 of 242 total extended-network groundwater samples (Table 4-11).

The highest pre-remediation historical detection of TCE in a site sample was 260 µg/L in DW-1 (Table A-11).

Since May 2000, the concentration range for TCE was 0.23 – 4,200.0 µg/L for both site wells and all long-term monitoring wells, with the maximum detection of 4,200.0 µg/L in site well EW-4C (Level 3) in February 2001 (Table 4-11).

TCE was detected in 70 of 72 extraction well samples at a concentration range of 1.0 – 1,900 µg/L (Table 4-11). The highest concentrations of PCE in extraction wells were reported for EXT-3 for all sampling rounds (Table 4-11).

TCE distribution for the October 2002; and April, July, and October 2003 data sets are shown in Figure 4-2, 4-6, 4-10, and 4-14, respectively. These figures shows the maximum

detected concentration for each well and are not depth-discrete. As indicated by the figures, EW-4C is the locus of maximum TCE contamination, not any of the extraction wells. Detections of TCE in MW-10C and 10D (Level 5 and 6), EW-3C (Level 3), and BP-3B (Level 5) indicate that TCE is present in deeper intervals off-site to the southeast. The extraction wells are only screened down to Level 4. The data suggest that the extraction system is not providing complete capture of TCE, and that off-site TCE migration is occurring in deeper levels of the aquifer.

4.1.4 1,2-DCE and Isomers

Although 1,2-dichloroethene (DCE) is an analyte of interest listed in both the ROD (USEPA, 1990a) and the site discharge permit, a different isomer (structural form) is specified in each regulatory source. The ROD lists *trans*-1,2-DCE, which is produced in the environment by abiotic degradation of TCE (Bouwer, 1994; Kleopfer et al., 1985). However, the discharge permit specifies *cis*-1,2-DCE, which is produced by biologically mediated reductive dechlorination of TCE (Bouwer, 1994; Kleopfer et al., 1985).

The available site historical data (Table 2-1 and Ebasco, 1990) do not indicate that isomers of 1,2-DCE were used on site.

4.1.4.1 *trans*-1,2-DCE

Although historical data (Tables A-1 to A-13) and the ROD list *trans*-1,2-DCE as an analyte of concern, it is believed that this analyte may have been misidentified, and should have been reported as total 1,2-DCE. At the time the record of decision (ROD) was signed in 1990 (USEPA, 1990), resolution and quantification of the isomers of 1,2-DCE using the older method 8240 was problematic. Laboratories analyzed and reported total 1,2-DCE, not the individual isomers. However, sometimes the total 1,2-DCE was erroneously reported as *trans* 1,2-DCE due to transcription errors or poor recordkeeping (Zigmund, 1999). Method 8260, which allows the isomers of 1,2-DCE to be resolved and quantified, did not become the official SW-846 method for VOCs until publication of the 3rd edition in December 1996. Therefore, pre-1997 reporting of 1,2-DCE isomers is suspect, and the chemical of concern in the ROD should have been listed as total 1,2-DCE.

Historical frequency of reporting of *trans*-1,2-DCE was 18 of 32 samples (Tables A-1 to A-13). However, the frequency of detection for *trans*-1,2-DCE during long-term monitoring since May 2000 is only 14 of 184 site samples and 23 of 242 total long-term groundwater monitoring samples (Table 4-11).

The highest pre-remediation historical reporting of *trans*-1,2-DCE in a sample from a monitoring well was 982 µg/L in SW-1 (Table A-10). Since May 2000, the concentration range for *trans*-1,2-DCE was 0.3 – 16.0 µg/L for site wells and 0.14 – 16.0 for all long-term monitoring wells, with the maximum detection in EW-2B (Level 2) in May 2000 (Table 4-11).

Trans-1,2-DCE was detected in 5 of 72 extraction well samples at a concentration range of 0.10 – 0.26 µg/L, with the maximum concentration reported for EXT-3 (Table 4-11).

The low frequency of detection and low concentrations of *trans*-1,2-DCE in the long-term groundwater monitoring data suggests that the historical high frequency and concentrations reported for *trans*-1,2-DCE were in error. These historical data should have been reported as total 1,2-DCE.

4.1.4.2 *cis*-1,2-DCE

Cis-1,2-DCE is an analyte of interest listed in the site discharge permit.

Cis-1,2-DCE was not reported in historical groundwater monitoring data. The frequency of detection for *cis*-1,2-DCE is 116 of 184 site samples and 148 of 242 total long-term monitoring groundwater samples (Table 4-11).

Since May 2000, the concentration range for *cis*-1,2-DCE was 0.60 – 83 µg/L in site wells and 0.12 – 210 µg/L for all long-term monitoring wells, with the maximum detections in site well EW-4A (Level 1) and extended-network well BP-3C (Level 6) (Table 4-11). However, the maximum site detection of *cis*-1,2-DCE has most frequently been reported for a Level 3 well (Table 4-11).

Cis-1,2-DCE was detected in 62 of 72 extraction well samples at a concentration range of 4.1 – 93.0 µg/L, with the maximum concentration reported for EXT-3 (Table 4-11). The highest concentrations of *cis*-1,2-DCE in extraction wells were reported for EXT-3 for all sampling rounds (Table 4-11).

Cis-1,2-DCE distribution for the October 2002 and April 2003 data sets are shown in Figure 4-3 and 4-7. These figures show the maximum detected concentration for each well and is not depth-discrete. As indicated by Figure 4-3 and 4-7, the on-site locus for *cis*-1,2-DCE is the EW-4 cluster, rather than the extraction wells. Higher concentrations were detected off-site in the deeper MW-10 and BP-3 clusters to the southeast and south-southeast, indicating that this analyte is not being captured by the extraction system.

Cis-1,2-DCE distribution for the July and October 2003 data sets show a different on-site distribution, with the on-site locus for *cis*-1,2-DCE shifting to the EW-2 cluster (Figs. 4-11 and 4-15). Higher concentrations were detected off-site in the deeper MW-10 and BP-3 clusters to the southeast and south-southeast, indicating that this analyte is not being captured by the extraction system.

The long-term groundwater monitoring data indicate that *cis*-1,2-DCE is the most prevalent isomer. The presence and relative abundance of *cis*-1,2-DCE on site indicates the predominance of biologically mediated reductive dehalogenation of a precursor (PCE or TCE) (Bouwer, 1994, Kleopfer, et al., 1985). Since *trans*-1,2-DCE is produced by abiotic reductive dehalogenation (Bouwer, 1994, Kleopfer, et al., 1985), its absence indicates that

the abiotic reaction is not important on site. However, TCE and PCE were detected in nearly all groundwater monitoring well samples, with maximum detections on the order of 4,200-7,100 µg/L. Degradation products (1,2-DCE isomers) were detected in only a fraction of the total number of samples, and the maximum detection of any degradation product was 93µg/L *cis*-1,2-DCE. These data suggest a limitation on the reductive degradation of TCE to 1,2-DCE isomers.

4.1.5 Vinyl Chloride

Vinyl chloride is an analyte of interest listed in the ROD (USEPA, 1990a), and is produced in the environment by reductive dechlorination of 1,2-DCE (Bouwer, 1994; Kleopfer et al., 1985).

Vinyl chloride was historically detected only in samples from SW-1, with concentrations ranging 1.0 – 12.0 µg/L (Table A-10).

Vinyl chloride was not detected in any of the 184 site samples or 72 extraction well samples collected during long-term monitoring since May 2000. Vinyl chloride was detected in 4 of 242 total long-term monitoring groundwater samples (Table 4-11). All detections of vinyl chloride have been in samples from BP-3C (Level 6) at a concentration range of 1.0 – 4.5 µg/L (Table 4-11).

Possible reasons for lack of vinyl chloride detections include unfavorable site conditions, further degradation, contaminant migration, and sampling-induced error. Although chemical precursors of vinyl chloride are present, concentrations and frequency of detection of 1,2-DCE isomers are not high relative to PCE and TCE.

The limited data from field measurements of dissolved oxygen (DO) and oxidation-reduction potential (ORP) (see Tables 4-1 to 4-13 and sec. 4.2.1.2) suggest site conditions that are not favorable to reductive intrinsic biodegradation. However, these DO-ORP conditions may be favorable to oxidation, and vinyl chloride is removed from the system faster under oxidizing conditions than by reductive dehalogenation (EPA, 1998). The absence of vinyl chloride may indicate “type 3” behavior as described by EPA (1998). Since the reductive degradation products of vinyl chloride (i.e., methane, ethane, ethane (MEE)) are not presently being analyzed, the possibility that vinyl chloride may be degrading to other compounds by reductive dechlorination cannot be evaluated.

Contaminant plumes often show zoning of constituents, and the more mobile analytes are found farther downgradient than the less mobile analytes. The only detection of vinyl chloride in the extended monitoring network was in a sample from the BP-3 cluster (Table 4-11), which is the most distal well cluster to the south-southeast.

Another possibility for at least some sampling rounds is sampling-induced error. The sampling method and equipment used is not known for the data collected prior to May 2002. If a poor sampling method was used (e.g., bailers or high-speed pump), any vinyl chloride in

the groundwater may have partitioned into the atmosphere prior to analysis. Vinyl chloride has a very high Henry's law coefficient and is extremely fugitive. However, data collected beginning in May 2002 were from samples collected using bladder pumps and low-flow protocols, and vinyl chloride was detected only in one sample.

4.1.6 1,1,1-trichloroethane

1,1,1-trichloroethane (1,1,1-TCA) is an analyte of interest listed in both the ROD (USEPA, 1990a) and the discharge permit.

1,1,1-TCA was detected in 98 of 184 site samples and 119 of 242 total long-term groundwater monitoring samples (Table 4-11).

The highest pre-remediation historical detection of 1,1,1-TCA in a sample from a site monitoring well was 100 µg/L in DW-1 (Table A-11).

Since May 2000, the concentration range for 1,1,1-TCA was 0.10 – 170.0 µg/L for both site wells and all long-term monitoring wells, with the maximum detection of 170.0 µg/L in site well EW-2C (Level 3) in May 2001 (Table 4-11). For all long-term groundwater monitoring rounds, the maximum detection of 1,1,1-TCA in a site well has been reported for EW-2C. The maximum detections for extended-network wells have been in Level 5 or 6 wells (MW-10C, 10D) (Table 4-11).

1,1,1-TCA was detected in 62 of 72 extraction well samples at a concentration range of 1.2 – 45.0 µg/L, with all maxima detected in samples from EXT-3 (Table 4-11).

The distribution of 1,1,1-TCA for the October 2002 and April 2003 data sets are shown in Figure 4-4 and 4-8. These figures show the maximum detected concentration for each well and are not depth-discrete. As indicated by Figure 4-4 and 4-8, the on-site locus for 1,1,1-TCA is the EW-2 cluster (EW-2C), rather than the extraction wells. Higher concentrations were detected off-site in the deeper MW-10 and EW-3 clusters to the southeast, indicating that this analyte is not being captured by the extraction system.

In July 2003, the locus of maximum 1,1,1-TCA moved off the site to the MW-10 cluster (Fig. 4-12) and increased in magnitude. The reason for the large increase in the magnitude of the maximum detection during this round is not clear. By October 2003 (Fig. 4-16), the 1,1,1-TCA distribution was again similar to October 2002, and magnitude of detections were similar.

4.1.7 1,1-dichloroethane

1,1-dichloroethane (1,1-DCA) is a degradation product of 1,1,1-TCA and is an analyte of interest listed in both the ROD (USEPA, 1990a) and the discharge permit.

1,1-DCA was detected in 42 of 184 site samples and in 61 of 242 total long-term groundwater-monitoring samples (Table 4-11).

The highest pre-remediation historical detection of 1,1-DCA in a sample from a site monitoring well was 8.0 µg/L in EW-1A (Table A-1).

Since May 2000, the concentration range for 1,1-DCA was 0.15 – 17.0 µg/L for both site wells and all long-term monitoring wells, with the maximum detection of 17.0 µg/L in site well EW-2C (Level 3) in May 2001 (Table 4-11). The maximum site detections of 1,1-DCA have been reported for EW-2C for all rounds except October 2002.

For all long-term groundwater monitoring rounds, the maximum detection of 1,1-DCA in a site well has been reported for EW-2C. The maximum detections for extended-network wells have been in Level 5 or 6 wells (MW-10C, BP-3C) (Table 4-11).

1,1-DCA was detected in 31 of 72 extraction well samples at a concentration range of 0.22 – 7.0 µg/L, with all maxima detected in samples from EXT-3 (Table 4-11).

4.1.8 1,1-dichloroethene

1,1-dichloroethene (1,1-DCE) is a transformation product of 1,1,1-TCA (Fig 4-5) and is an analyte of interest listed in the discharge permit.

1,1-DCE was detected in 49 of 184 site samples and in 57 of 242 total long-term groundwater monitoring samples (Table 4-11).

The highest pre-remediation historical detection of 1,1-DCE in a sample from a monitoring well was 220 µg/L in SW-1 (Table A-10).

Since May 2000, the concentration range for 1,1-DCE was 0.10 – 93.0 µg/L for both site wells and all long-term monitoring wells, with the maximum detection of 93.0 µg/L in site well EW-2C (Level 3) in May 2001 (Table 4-11). The maximum site detections of 1,1-DCE have been reported for EW-2C for all rounds except January 2003.

1,1-DCE was detected in 37 of 72 extraction well samples at a concentration range of 0.69 – 67.0 µg/L, with all maxima detected in samples from EXT-3 (Table 4-11).

The daughter products of 1,1,1-TCA, 1,1-DCA and 1,1-DCE, were detected at moderate frequency and moderate to low concentrations. The on-site locus for both compounds is EW-2C, coincident with 1,1,1-TCA. 1,1-DCE occurs at higher frequency and concentration, suggesting that the transformation reaction is more important than reductive dehalogenation.

4.1.9 Chloroform

Chloroform is an analyte of interest listed in the discharge permit. Chloroform is a degradation product of carbon tetrachloride (Fig. 4-17).

Chloroform was detected in 26 of 184 site samples and in 50 of 242 total long-term groundwater monitoring samples (Table 4-11).

Chloroform was detected in only two site historical samples, with the maximum concentration of 1 µg/L in EW-2A (Table A-4).

Since May 2000, the concentration range for chloroform was 0.11 – 2.0 µg/L for site wells and 0.11 – 2.2 µg/L for all long-term monitoring wells. The maximum site chloroform concentration of 2.0 µg/L was reported for SW-1 and EW-2A (both Level 1) for several rounds from May 2000 to November 2001 (Table 4-11). Since August 2002, the site maximum concentration of chloroform has been reported from Level 3 wells (EW-2C and EW-4C) (Table 4-11). The maximum detections for extended-network wells have been in Level 5 or 6 wells (MW-10C, BP-3C) (Table 4-11).

Chloroform was detected in 25 of 144 long-term groundwater monitoring samples at concentrations of 0.16 – 2.2 µg/L and in 10 of 56 extraction well samples at concentrations of 0.18 – 4.0 µg/L (Table 4-11).

Chloroform was detected in 12 of 72 extraction well samples at a concentration range of 0.17 – 4.0 µg/L, with all maxima detected in samples from EXT-3 (Table 4-11).

The relatively low frequency of detection and low detected concentration ranges for chloroform indicates that this is not a significant, site-related contaminant.

4.1.10 Aromatic Hydrocarbons

Benzene, ethylbenzene, and xylene are analytes of interest listed in the ROD (USEPA, 1990a). Toluene and chlorobenzene are analytes of interest listed in the discharge permit. According to available site historical information (Table 4-11; Ebasco, 1990) toluene was used on-site.

Historical site concentrations of benzene ranged from 0.4 µg/L to a maximum of 60.0 µg/L in DW-1 (Table A-11).

Benzene was not detected in any of the 184 site groundwater monitoring samples and was detected in 9 of 242 total long-term groundwater monitoring samples (Table 4-11). Benzene concentrations in extended-network wells ranged 0.23 – 1.7 µg/L (Table 4-11), with detections most frequently reported for LF-2 (Level 3) and BP-3C (Level 6) (Table 4-11).

Benzene was detected in 6 of 72 extraction well samples at concentrations ranging 0.10 – 2.0 µg/L (Table 4-11).

Historical site concentrations of ethylbenzene ranged from 0.3 µg/L to a maximum of 1.0 µg/L in DW-1 (Table A-11).

Ethylbenzene was detected in 2 of 184 site groundwater monitoring samples and 6 of 242 total long-term groundwater monitoring samples (Table 4-11). The concentration range was 0.051 - 0.51 µg/L for both site samples and total long-term monitoring samples, with the maximum detection of 0.51 µg/L in site well RW-1. The screen level for this well is not known, and the well was abandoned in July 2003.

Ethylbenzene was not detected in any of the 72 extraction well samples (Table 4-11).

Historical concentrations of xylenes ranged from 1.0 µg/L to a maximum of 2.0 µg/L in EW-4A (Table A-7).

Xylenes were detected in 2 of the 184 site groundwater monitoring samples and 6 of 242 total long-term groundwater monitoring samples (Table 4-11). Xylene concentrations ranged 0.18 – 0.90 µg/L for site samples and 0.18 – 0.93 µg/L for total long-term monitoring samples (Table 4-11). The maximum xylene detection (0.93 µg/L) was in a sample from LF-2 (Table 4-11).

Xylenes were detected in 9 of 72 extraction well samples collected in the combined data sets 1 and 2 at concentrations ranging 0.017 – 18 µg/L (Table 4-11).

Historical concentrations of toluene ranged from 0.6 µg/L to a maximum of 2.0 µg/L in EW-1A (Table A-1).

Toluene was detected in 5 of 184 site groundwater monitoring samples and 20 of 242 total long-term groundwater monitoring samples (Table 4-11). Maximum concentration was 2.6 µg/L in extended network well MW-8B (Table 4-11). Toluene was detected in 8 of 72 extraction well samples at concentrations ranging 0.041 – 4.0 µg/L (Table 4-11).

Chlorobenzene was not historically detected in any site wells (Tables A-1 to A-13).

Chlorobenzene was detected in one of 184 site groundwater monitoring samples and 10 of 242 total long-term groundwater monitoring samples (Table 4-11). Maximum concentration was 2.2 µg/L in LF-2 (Table 4-11). Chlorobenzene was detected in 6 of 72 extraction well samples at concentrations of 0.16 – 0.26 µg/L (Table 4-11).

The low frequency of detection and low detected concentration ranges for the various aromatic hydrocarbons indicate that these compounds are not significant, site-related contaminants.

4.1.11 Metals

Antimony

The highest historical site detection of antimony was 29.7 µg/L in EW-2A (Table A-4). Antimony was detected in 6 of 185 site samples at a concentration range of 1.5 – 9.2 µg/L and in 10 of 241 total long-term groundwater-monitoring samples at concentrations of 1.4 – 9.2 µg/L (Table 4-11). The maximum site detection of 9.2 µg/L was from site well EW-1C (Level 3) (Table 4-11). The maximum offsite detection of 3.3 µg/L was from well MW-8C (Level 6) (Table 4-11).

Antimony was detected in 10 of 69 extraction well samples at concentrations of 2.4 – 56.2 µg/L, with the maximum concentrations per round detected in EXT-1 (Table 4-11).

Arsenic

The highest historical site detection of arsenic was 64.4 µg/L in EW-1C (Table A-3). Arsenic was detected in 12 of 185 site samples at a concentration range of 2.3 – 11.4 µg/L and 21 of 241 total long-term groundwater monitoring samples at a concentration range of 2.3 – 144.0 µg/L (Table 4-11). Site detections were primarily in Level 1 wells. The highest concentration of arsenic was 144.0 µg/L in the sample from extended-network well LF-2 (Level 3).

Arsenic was detected in 7 of 69 extraction well samples at concentrations of 0.5 – 9.3 µg/L, with the maximum concentrations per round detected in EXT-1 (Table 4-11).

Barium

The highest historical site detection of barium was 276 µg/L in EW-5 (Table A-13). Barium was detected in all 185 site samples and 240 of 241 total long-term groundwater monitoring samples (Table 4-11). The concentration range was 13 – 151 µg/L for site samples and 13 – 675 µg/L for the extended-network samples (Table 4-11). The site maximum of 151 µg/L was detected in EW-5 (Level 4) and the extended-network maximum of 675 µg/L was detected in MW-8B (Level 4) (Table 4-11).

Barium was detected in 67 of 69 extraction well samples at concentrations of 22.2 – 115 µg/L, with the maximum concentrations per round detected in EXT-2 (Table 4-11)

Cadmium

Cadmium was not monitored until May 2002. The highest historical site detection of cadmium was 9.5 µg/L in EW-2A (Table A-4). Cadmium was detected in 15 of 88 site samples and 32 of 144 total long-term groundwater monitoring samples (Table 4-11). The concentration range was 0.32 – 0.56 µg/L for site samples and 0.19 – 10.5 µg/L for the

extended-network samples (Table 4-11). The maximum concentration of 10.5 µg/L was detected in EW-6A (Level 1) (Table 4-11).

Cadmium was detected in 5 of 27 extraction well samples at a concentration range of 0.32 - 0.78 µg/L (Table 4-11).

Chromium

Total chromium was not monitored until May 2002. The highest historical site detection of chromium was 159 µg/L in EW-2A (Table A-4). Total chromium was detected in 8 of 88 site samples and 33 of 144 total long-term groundwater monitoring samples (Table 4-11). The concentration range was 1.1 – 1.6 µg/L for site samples and 0.69 – 32.1 µg/L for the extended-network samples (Table 4-11). The maximum concentration of 32.1 µg/L was detected in BP-3A (Level 1) (Table 4-11).

Total chromium was detected in 3 of 27 extraction well samples at a concentration range of 0.52 - 0.73 µg/L (Table 4-11).

Iron

The highest historical site detection of iron was 49,900 µg/L in EW-1A (Table A-1). Iron was detected in 133 of 185 site samples and 187 of 241 total long-term groundwater monitoring samples at concentrations of 12.7 – 28,700 µg/L and 12.7 – 49,400 µg/L, respectively (Table 4-11). The site maximum concentration of 28,700 µg/L was detected in EW-4A (Level 1). The extended-network maximum of 49,400 µg/L was detected in MW-6D (Level 4) (Table 4-11).

Iron was detected in 67 of 71 extraction well samples at concentrations of 40.6 – 10,200 µg/L (Table 4-11).

Lead

The highest historical site detection of lead was 163 µg/L in DW-2 (Table A-12). Lead was detected in 33 of 185 site samples and 68 of 241 total long-term groundwater monitoring samples at concentrations of 1.3 – 686.0 µg/L (Table 4-11). The maximum concentration of 686.0 µg/L was detected in site well EW-2B (Level 2) (Table 4-11). The maximum concentration of lead detected in an extended-network sample was 93.1 µg/L detected in MW-10D (Level 6) (Table 4-11).

Lead was detected in 46 of 68 extraction well samples at concentrations of 1.5 – 69.2 µg/L (Table 4-11). The maximum detection was most frequently reported for EXT-3.

Manganese

The highest historical site detection of manganese was 1,380 µg/L in EW-2A (Table A-4). Manganese was detected in all site and total long-term groundwater monitoring samples at concentrations of 1.8 – 1,730.0 µg/L and 1.8 – 2,660.0 µg/L, respectively (Table 4-11). The site maximum concentration of 1,730.0 µg/L was detected in EW-1A (Level 1). The extended-network maximum of 2,660.0 µg/L was detected in MW-8B (Level 4) (Table 4-11).

Manganese was detected in 68 of 72 extraction well samples at concentrations of 47 – 669 µg/L (Table 4-11). The maximum detection was most frequently in EXT-1.

Selenium

The highest historical site detection of selenium was 19 µg/L in SW-1 (Table A-10). Selenium was detected in 16 of 185 site samples and 20 of 241 total long-term groundwater-monitoring samples at concentrations of 1.6 – 6.6 µg/L (Table 4-11). The maximum concentration of 6.6 µg/L was detected in site well EW-1A (Level 1) (Table 4-11). The maximum concentration of lead detected in an extended-network sample was 4.2 µg/L detected in MW-8B (Level 4) (Table 4-11).

Selenium was detected in 5 of 68 extraction well samples at concentrations of 1.6 – 19.2 µg/L.

4.1.12 Water Quality

A maximum of 6 field water quality parameters (pH, conductivity, turbidity, DO, ORP, temperature) were measured. No laboratory water quality (e.g., anions, MEE, sulfide) or field test kit (e.g., ferrous iron, alkalinity) parameters were analyzed. Since a number of useful analytes were not collected, the wells have not been rated using the EPA (1998) scoring system.

October 2002:

- pH: EPA (1998) considers pH < 5 or > 9 unfavorable to intrinsic bioremediation. pH in 11 site wells was in the range 5.04 – 6.35 su. No site wells were < 5 or > 9 su. However, 4 offsite wells had pH < 5 (EW-6C; MW-8C; MW-10C, D). The other offsite wells had pH in the range 5.28 – 6.23 (Table 4-1).
- DO: EPA (1998) considers DO > 1 mg/L unfavorable to reductive intrinsic bioremediation, and considers DO < 0.5 mg/L favorable. DO was > 1 mg/L in 6 site wells, of which 2 were > 5 mg/L (EW-4B,C; Table 4-1) which is considered unfavorable. DO was < 0.5 in 3 site wells (EW-1B; DW-1; EW-5; Table 4-1), which is considered favorable. DO was > 1 mg/L in 8 offsite wells, of which 7 had DO > 5 mg/L (EW-3B,C; MW-8B; MW-10B,C,D; BP-3B; Table 4-1).
- Temperature: EPA (1998) considers temperatures > 20 °C to be the most favorable for intrinsic bioremediation. No temperatures > 20 °C were recorded during this

sampling round. Temperature for all site wells was in the range 17.74 – 19.43 °C (Table 4-1). Temperature for all offsite wells was in the range 10.0 – 16.21 °C (Table 4-1).

- ORP: ORP < 50 mV is considered favorable for reductive intrinsic biodegradation (EPA, 1998). ORP < 50 mV was recorded for 1 site well (DW-1). All other site ORP values were in the range 105 – 308 mV. ORP was only measured in 4 offsite wells during this round, with all values in the range 159 – 285 mV (Table 4-1).

January 2003:

- pH: pH < 5 was measured in 4 wells (EW-1A; EW-2B; EW-2C; EW-4A Table 4-3). EPA (1998) considers pH < 5 or > 9 unfavorable to intrinsic bioremediation. All other pH values were in the range 5.16 – 6.51 su (Table 4-3).
- DO: DO was < 0.5 in 4 wells (EW-1B; EW-1C; DW-1; DW-2; Table 4-3), which is considered favorable. DO was > 5 mg/L in 1 well (EW-1A; Table 4-3) which is considered unfavorable to reductive intrinsic bioremediation (EPA, 1998).
- Temperature: No temperatures > 20 °C were recorded during this sampling round. Temperature for all site wells was in the range 14.1 – 17.57 °C (Table 4-3).
- ORP: ORP < 50 mV was recorded for 1 well (DW-1), which is considered favorable for reductive intrinsic biodegradation (EPA, 1998). All other ORP values were in the range 105 – 255 mV (Table 4-3).

April 2003:

- pH: pH < 5 was measured in 5 wells (EW-2C; EW-4A; MW-8B; MW-8C; BP-3C Table 4-5). EPA (1998) considers pH < 5 or > 9 unfavorable to intrinsic bioremediation. All other pH values were in the range 5.00 – 7.46 su (Table 4-5).
- DO: DO was < 0.5 in 4 wells (DW-1; DW-2; EW-5; RW-1; Table 4-5), which is considered favorable. DO was > 1 mg/L in 20 wells and > 5 mg/L in 10 wells (EW-3B; EW-3C; EW-4B; EW-4C; EW-6A; MW-8B; MW-8C; MW-10B; MW-10C; MW-10D; Table 4-5) which is considered unfavorable to reductive intrinsic bioremediation (EPA, 1998). Furthermore, the DO values reported for 1 well (MW-10C; Table 4-5) was 12.04 mg/L, which exceeds the equilibrium solubility for oxygen in water at the corresponding temperature for the well, indicating that significant aeration occurred during measurement. This values may therefore not be representative of in-situ aquifer conditions.
- Temperature: Temperature > 20 °C was recorded for 2 wells (EW-4C; LF-2), which is considered favorable for intrinsic bioremediation (EPA, 1998). Temperature for all other wells was in the range 11.3 – 19.73 °C (Table 4-5).
- ORP: ORP < 50 mV was recorded for 2 wells (RW-1; LF-2; Table 4-5), which is considered favorable for reductive intrinsic biodegradation (EPA, 1998). All other ORP values were in the range 59 – 491 mV (Table 4-5).

July 2003:

- pH: pH < 5 was measured in 6 wells (EW-1A; EW-2C; EW-4A; DW-2; MW-10D; BP-3C; Table 4-7). EPA (1998) considers pH < 5 or > 9 unfavorable to intrinsic bioremediation. All other pH values were in the range 5.08 – 7.17 su (Table 4-7).
- DO: DO was < 0.5 in 4 wells (EW-1B; EW-1C; DW-1; LF-2; Table 4-7), which is considered favorable. DO was > 1 mg/L in 15 wells and > 5 mg/L in 10 wells (EW-1A; EW-3B; EW-4C; MW-8C; MW-10B; MW-10C; MW-10D; BP-3A; BP-3B; WT-1; Table 4-7) which is considered unfavorable to reductive intrinsic bioremediation (EPA, 1998). Furthermore, the DO values reported for 4 wells (MW-8C; MW-10C; BP-3A; WT-1; Table 4-7) was in the range 9.52 – 11.23 mg/L, which exceeds the equilibrium solubility for oxygen in water at the corresponding temperature for the well, indicating that significant aeration occurred during measurement. This values may therefore not be representative of in-situ aquifer conditions.
- Temperature: Temperature > 20 °C was recorded for 5 wells (EW-6C; MW-10D; LF-2; RW-1; WT-1; Table 4-7), which is considered favorable for intrinsic bioremediation (EPA, 1998). Temperature for all other wells was in the range 11.95 – 19.88 °C (Table 4-7).
- ORP: ORP < 50 mV was recorded for 2 wells (DW-1; MW-6D; Table 4-7) and ORP < -100 mV was recorded for 2 wells (RW-1; LF-2; Table 4-7), which is considered favorable for reductive intrinsic biodegradation (EPA, 1998). All other ORP values were in the range 91 – 322 mV (Table 4-7).

October 03:

- pH: pH < 5 was measured in 6 wells (EW-2C; EW-4A; MW-6D; MW-8B; MW-8C; MW-10D; Table 4-9). EPA (1998) considers pH < 5 or > 9 unfavorable to intrinsic bioremediation. All other pH values were in the range 5.05 – 7.04 su (Table 4-9).
- DO: DO was < 0.5 in 4 wells (EW-1B; EW-1C; DW-1; DW-2; EW-5; EW-6C; MW-8B; LF-2; PPW-1; Table 4-9), which is considered favorable. DO was > 1 mg/L in 14 wells and > 5 mg/L in 8 wells (EW-1A; EW-3B; EW-4C; MW-8C; MW-10B; MW-10C; MW-10D; WT-1; Table 4-9) which is considered unfavorable to reductive intrinsic bioremediation (EPA, 1998). Furthermore, the DO values reported for 4 wells (EW-3B; MW-10C; MW-10D; WT-1; Table 4-7) was in the range 8.09 – 11.71 mg/L, which exceeds the equilibrium solubility for oxygen in water at the corresponding temperature for the well, indicating that significant aeration occurred during measurement. This values may therefore not be representative of in-situ aquifer conditions.
- Temperature: Temperature > 20 °C was recorded for 1 well (LF-2; Table 4-9), which is considered favorable for intrinsic bioremediation (EPA, 1998). Temperature for all other wells was in the range 9.41 – 19.1 °C (Table 4-9).
- ORP: ORP < 50 mV was recorded for 1 well (DW-1; Table 4-9) and ORP < -100 mV was recorded for 2 wells (LF-2; PPW-1; Table 4-9), which is considered

favorable for reductive intrinsic biodegradation (EPA, 1998). All other ORP values were in the range 112 – 482 mV (Table 4-9).

5 System Operation and Evaluation

5.1 System Description

The Process Flow Diagram (Figure 5-1) provides the overall layout of the system. The description of the various processes is provided below.

The groundwater treatment system (GWTS) extracts contaminated groundwater from the Cretaceous Magothy Aquifer for on-site treatment. Three extraction wells remove water from the aquifer and deliver it to the flow equalization tank outside the plant.

The water from the flow equalization tank is pumped to the two reaction tanks operating in parallel. Caustic (sodium hydroxide) is added to the water before it enters the reaction tanks raising the pH to approximately 6.5, although other pH values may prove to be necessary to optimize subsequent heavy metals precipitation and removal. Water is then sent through the flash mixer tanks and the flocculation tanks to provide the mixing time and also, because there is no bypass system directly to the plate clarifiers. The small amount of sludge produced in the plate clarifiers is transferred to the sludge collection tank for disposal.

The original design had potassium permanganate and polymer chemical feed systems, but these systems are currently not being used. The process has iron and manganese concentrations usually close to the discharge permit requirements and therefore, addition of these chemicals are unnecessary.

The clarified water is then filtered in the downflow sand filter. The original plant design had upflow filtration, but during construction, it was modified to a downflow filter. Filtered water is sent to the air stripper feed tanks. The filter backwash water is taken to the recycle tank and then back to the flow equalization tank for reuse.

The hydrochloric acid (HCl) in-line static mixer is available for addition of acid to the water if the pH needs to be lowered before going into the air stripper from the feed tanks. The pH of the water is maintained between 6 to 8, to prevent premature fouling of the air stripper.

The water is passed in a semi-batch mode from the air stripper feed tanks to the countercurrent packed tower air stripper to remove VOCs and SVOCs from the wastewater stream. The designed maximum flow rate through the air stripper is 500 gpm, but could reach up to 800 gpm in semi-batch mode. The water gravity-flows down the air stripper tower and the forced draft air stripper blower passes a countercurrent air stream through the air stripper, thus, transferring the contaminants from the liquid phase to the vapor phase.

The contaminated air is passed through the vapor phased granular activated carbon (GAC) adsorbers. An electric in-line duct heater increases the contaminated gas stream temperature by about 20° to 25°F over the ambient temperature. This increase in temperature reduces the relative humidity of the contaminated gas stream to approximately 50%. The decrease in relative humidity helps increase the life and adsorption efficiency of the granular carbon. The treated air is then discharged to the atmosphere. The estimated daily mass loading of contaminants through the vapor phase carbon is 1.4 lbs/day. This is calculated by using the average concentrations of PCE, TCE, cis-1,2-DCE, and 1,1,1-TCA during this reporting period (November 2002 to October 2003), assuming a process water flow rate of 340 gpm (400 gpm running 85% of the time), and assuming 100% air stripper removal efficiency.

The stripped water in the GAC feed tanks is passed through the liquid phase GAC adsorbers for removal of any residual VOCs and SVOCs. Treated water is discharged to the two treated water storage tanks before injection back into the four injection wells. The treated water can also be recycled back to the head of the plant if required for reprocessing.

5.2 System Evaluation Performance

This section provides a discussion of the overall performance of the GWTS. The groundwater is sampled and analyzed in accordance with the Sampling and Analysis Matrix for the GWTS listed in the Field Sampling Plan Addendum dated 4/14/99 (Radian, 1999). The Sampling and Analysis Matrix requires groundwater chemical analyses be performed for a limited number of locations within the GWTS.

The following subsections present summaries of the results of the chemical analyses of the groundwater at the locations on the system identified on the data tables.

5.2.1 Current System Operation and General Observations

The current operation of the system has been modified to eliminate the use of potassium permanganate, and polymer during clarification, and also to minimize the use of hydrochloric acid for pH adjustment before/after passing the clarified and filtered groundwater through the air stripper.

The sand filter operation has been modified during construction and start-up to have a downflow of the filtrate in lieu of the original design of upflow filtration.

The above modifications in the process operation and the reduction in influent metals concentrations over time have reduced the sludge production. The reduced quantity of sludge does not require the filter press operation.

5.2.2 Flow Rate

The GWTS is designed to treat groundwater at a flow rate of 500 gpm with a contract requirement of 174 million gallons per year. The current contractor, SAIC, is running the

plant at 340 gpm (400 gpm running approximately 85% of the time, 15 % downtime). Information on the amount of groundwater treated as of October 2003 is presented in Table 5-1.

5.2.3 Water Quality

The GWTS is designed on the basis of the following influent concentrations, according to the Operations and Maintenance Manual (Radian, 1998):

PCE	1,395 µg/L Maximum 465 µg/L Average 5 µg/L Discharge Limit
TCE	2,078 µg/L Maximum 115 µg/L Average 5 µg/L Discharge Limit
<i>cis</i> -DCE	1,047 µg/L Maximum 350 µg/L Average 5 µg/L Discharge Limit
Iron	8 mg/L Maximum 4 mg/L Average 600 µg/L Discharge Limit
Manganese	16 mg/L Maximum 1 mg/L Average 600 µg/L Discharge Limit
pH	7.0 Maximum 5.5 Average 4.3 Maximum

The GWTS was also designed to remove any SVOCs, however, there is no influent sampling of SVOCs so it is not known how much actually enters the GWTS. There are, however, discharge limits for the SVOCs, Bis-(2-ethylhexyl)phthalate and Di-n-butylphthalate, at 5 and 50 µg/L.

VOC concentration data for the influent water to the system were provided for the period of January 29 to October 29, 2003 for VOC contaminants and metals, which are presented in Table 5-2. This table shows the following analytes are above discharge limits: PCE, TCE, 1,1,1-TCA, *cis*-1,2-DCE, 1,1-DCE, and iron.

Tables 5-3 to 5-10 show the groundwater sampling data for individual streams in the treatment system. Tables 5-3 and 5-4 show data for the clarified water through sand filters A and B, respectively. Table 5-5 shows data for the filtered water to the inlet of the air stripper. Tables 5-6 and 5-7 show data for the treated water from the discharge of the air stripper going to liquid GAC units A and B, respectively. Tables 5-8 and 5-9 show polished water data from the GAC vessels going to the treated effluent tanks A and B, respectively. Sampling data for the Treated Effluent Tank water are shown in Table 5-10, which includes VOC, SVOC, and metals data. Appendix B contains additional raw GWTS discharge data tables.

Figure 5-2 graphs the plant influent concentrations of PCE, TCE, *cis*-1,2-DCE, and 1,1,1-TCA, all of which are above discharge limits. Figure 5-3 graphs the plant influent concentrations of iron and manganese, and it shows iron spiking above the discharge limit of 600 µg/L to 1880 µg/L in October 2003. Figure 5-4 shows the treated water effluent tank concentrations of PCE, TCE, *cis*-1,2 DCE, and 1,1,1-TCA. For TCE, Figure 5-4 shows that the plant had only one exceedence of the discharge standard during this reporting period. Figure 5-5 shows the treated water effluent tank concentrations of iron and manganese, both of which have met discharge standards for the period.

The influent and effluent concentrations, between the dates November 2002 and October 2003, along with the GWTS design concentrations, are provided below for comparison.

	Concentration		
	Design	Influent	Effluent
PCE (max.)	1,395 µg/L	110.0 µg/L	1.0 µg/L
(ave.)	465 µg/L	74.5 µg/L	0.5 µg/L
TCE (max.)	2,078 µg/L	360.0 µg/L	5.4 µg/L
(ave.)	115 µg/L	240.0 µg/L	2.1 µg/L
<i>cis</i> -1,2-DCE (max)	1,047 µg/L	13.0 µg/L	0.8 µg/L
(ave.)	350 µg/L	10.6 µg/L	0.5 µg/L
Iron (max.)	8 mg/L	1.88 mg/L	0.197 mg/L
(ave.)	4 mg/L	0.75 mg/L	0.090 mg/L
Manganese (max.)	16 mg/L	0.441 mg/L	0.077 mg/L
(ave.)	1 mg/L	0.423 mg/L	0.048 mg/L

5.2.4 Data Evaluation

For this reporting period (November 2002 to October 2003), Table 5-10 shows that TCE has exceeded its discharge limit only once, on July 24, 2003, with a slightly above the limit level

of 5.4 µg/L. Otherwise, the GWTS is operating sufficiently to remove contaminants below their respective discharge limits.

Checking individual component streams of the plant shows that TCE levels coming out of the air stripper are below discharge limits in July 2003 as seen in Tables 5-6 and 5-7. TCE levels coming out of the liquid phase GAC Vessel B, however, are elevated above discharge limits as seen in Table 5-9. This indicates that the carbon in that vessel had reached the breakthrough point. TCE is the least adsorbable compound and is being preferentially displaced in the GAC column. Problems with the GAC Vessels are further addressed in Section 5.2.6.

Overall, average contaminant levels in the influent are lower than in the previous data report (USACE, 2003). This indicates that the GWTS system is moving forward in remediating the groundwater at the site.

5.2.5 Data Deficiencies

For process streams, Table 5-10 has no effluent stream data for the month of October 2003.

5.2.6 Operational Problems

During the period November 2002 to October 2003, SAIC has provided bi-weekly Project Status Reports and updates to their site activities schedule. These reports note the operational problems occurring at the site. A listing of the most significant operational problems is found in Table 5-11. Also, draft monthly reports are currently being compiled by SAIC.

As mentioned in Section 5.2.4, TCE exceeded discharge limits most likely because the GAC vessels had reached the breakthrough point. Furthermore, in September 2003, the GAC vessels needed a higher frequency of backwashing due to solids loading and to a noticeable reduction in carbon granular size (See Table 5-11), which was another sign that carbon replacement was needed. The last carbon change out of the liquid phase GAC vessels occurred in June 2001. In November 2003, carbon samples were sent to the manufacturer who confirmed the carbon needed to be replaced. A carbon change out was performed in December 2003, which is after the reporting period for this report so any outcome on effluent concentrations will be reported in the next data report.

The most cited problem for the last two years relates to the proper functioning of the flow meters. The flow meter bearings failed at variable flow rates giving out erroneous readings of the flow rate. A precise flow rate is needed to tabulate the amount of groundwater treated and to calculate the amount of contamination being removed by the plant. Poor functioning of these flow meters could potentially lead to inaccurate evaluation of groundwater and plume capture. Furthermore, the O&M contractor is reimbursed on the basis of the quantity of groundwater treated to remove the contaminants within the permit compliance. In response to this problem, the effluent mechanical flow meter was replaced with a magnetic

flow meter in May 2003. Future plans are to replace the influent mechanical flow meters with new mechanical or magnetic flow meters.

Another problem is solids loading of the sand filters, which leads to water overflowing from the filters and more water than usual being sent to the recycle tank. This problem also limits system flow and requires significant maintenance to correct. Daily cleaning of the nozzles with utility air, backwashing of the filters, and periodic acid washing of the filter was implemented to remove scale build-up. However, the sand filters continue to develop high solids loading problems. In September 2003 a significant solids inventory in the sand filters resulted in excessive backwash flow rates. An inventory reduction was done via suspension and pumping of solids to the sludge storage tank. In October 2003, high recycling rates still plagued the sand filters, so a pilot bag filter system was installed allowing 50 gpm to siphon from the sand filters to the air stripper. The bag filter has helped return the recycling rates to normal. Further evaluation shall determine if replacement of the sand filters with bag filters would be a cost benefit.

In June 2003, the plant was shutdown because an electrical storm caused a phase misbalance of the electrical power to the plant. Periodic loss of phase is not uncommon for the public utility in the area. Phase misbalance causes degradation of the main motor electrical systems, which will result in failure of the motors or motor starters with repeated occurrences. Plans to install phase protection relays in the motor control center and the air compressor control panel are being initiated to protect the plant from any possible future damage.

6 Conclusions and Recommendations

6.1 System Performance Evaluation

6.1.1 Conclusions

Data suggests the groundwater treatment system is not sufficiently containing on-site source contamination as currently operated or possibly designed. Recently collected hydrogeologic data shall be used to compare with data from the expanded monitoring network for analysis in the next report as previously mentioned in Section 3.4 of this report. This comparison should verify system performance or issues with respect to hydraulic capture.

Recent expansion of the monitoring system has made it possible for better interpretation of the site conditions associated with the extraction wells, which improved the overall groundwater potentiometric surface and contaminant plots. In addition, an older monitoring well, WT-1, located east of the site and lateral of the plume, was also redeveloped and added to the water elevation list for the collection of hydrogeologic data (June 2003). However, the current on-site well network is still inadequate with respect to vertical contaminant migration based on concentrations identified in deeper monitoring wells.

6.1.2 Recommendations

1. Groundwater modeling that provides 3-dimensional infinite capabilities for evaluation of the capture zone and possible modification of the current extraction system will be conducted. The software will be capable of providing visual cross-sections to adequately evaluate contaminant concentrations and extrapolate migration across the horizontal (x and y-axes) and vertical (z-axis). The installation of several observation wells should also be considered for improved monitoring of the extraction system cone of depression.
2. Since the expanded network still does not adequately define the contaminant plume, additional monitoring wells should be installed on-site (and possibly also off-site), with adequately screened intervals for the monitoring of vertical contaminant migration at depth. Additional background monitoring well clusters at the Level 2, 3 and 4 are proposed near the northeast and western property boundary to determine if contamination from potential sources hydraulically upgradient are impacting the site. An additional deep well is also proposed at the EW-2, EW-4, and EW-6 well clusters at Level 4 to assist in the vertical delineation of the contaminant plume and to determine if the site may be impacted by potential upgradient sources.
3. The installation of several observation wells should also be considered for improved monitoring of the extraction system cone of depression.
4. Useful information is being provided from nearby downgradient monitoring wells associated with the OBL (LF and MW clusters) and the Fireman's Training facility (BP cluster), which are located within the Bethpage State Park and golf course. The USACE is currently coordinating efforts to develop a common database or repository for use by all parties to ease data access and sharing

6.2 Chemistry and Groundwater Monitoring

6.2.1 Conclusions

PCE was detected at high frequency and concentrations, and remains a site analyte of concern. The highest PCE concentrations per sampling round are from the shallowest depth (Level 1 – screened 75.10 through 44.86 feet above mean sea-level) wells, which is consistent with previous work. PCE has shown an apparent decrease in maximum concentration from August 2001 to October 2002, which appears to correlate with water levels, since many Level 1 wells have been dry since November 2001. The maximum detected PCE concentration has increased since October 2002. PCE distribution data suggest that some PCE is being captured by the extraction system, but that the system does not provide complete capture.

TCE was detected at high frequency and concentrations, and remains a site analyte of concern. The highest TCE concentrations per sampling round are from EW-4C, a Level 3

well (screened 20.62 through 2.99 feet above mean sea-level), which is consistent with previous work. TCE distribution data suggest that TCE is not being completely captured by the extraction system. TCE has been detected in deeper off-site wells, suggesting that there is a vertical dimension to contaminant migration.

Historical identification of *trans*-1,2-DCE as an analyte of interest may have been erroneous due to limitations of older analytical methodology and/or data reporting errors. Although both *cis*- and *trans*- isomers of 1,2-DCE have been detected during long-term groundwater monitoring, *cis*-1,2-DCE was detected more frequently and at higher concentrations, and is a site analyte of concern. The highest on-site *cis*-1,2-DCE concentrations per sampling round have been in Level 3 wells since November 2001 and in EW-4C, the locus of elevated TCE, since February 2002. In off-site wells, the highest *cis*-1,2-DCE concentrations are in Level 6 wells. *Cis*-1,2-DCE distribution data suggest that this analyte is not being captured by the extraction system, and is migrating off-site at deeper levels.

The presence and relative abundance of *cis*-1,2-DCE indicates that some intrinsic bioremediation is occurring on-site. However, based on frequency of detection and concentration of degradation products, the amount of intrinsic biodegradation occurring is not proportional to the amounts of TCE and PCE present, and will not significantly aid site remediation.

Vinyl chloride was detected only in samples from the deepest monitoring well in the most distal well cluster in the extended monitoring network (BP-3C). Since analyses for reductive degradation products of vinyl chloride (MEE) are not presently being conducted, there are no data which indicate that vinyl chloride is being removed by reductive dechlorination. However, the absence of vinyl chloride and relatively high DO and ORP conditions may indicate an alternative degradation mechanism (i.e., oxidation). Another possibility is that since vinyl chloride is a very fugitive compound, it may have already migrated outside the limits of the extended network. This data also suggests a vertical dimension to contaminant migration.

1,1,1-TCA was detected at high frequency and concentrations, and remains a site analyte of concern. The on-site locus for 1,1,1-TCA is EW-2C, rather than the extraction wells. Higher concentrations were detected off-site in the deeper MW-10 cluster to the southeast, indicating that this analyte is not being captured by the extraction system.

The daughter products of 1,1,1-TCA, 1,1-DCA and 1,1-DCE, were detected at moderate frequency and moderate to low concentrations. The on-site locus for both compounds is EW-2C, coincident with the locus of maximum 1,1,1-TCA. 1,1-DCE occurs at higher frequency and concentration than 1,1-DCA, suggesting that the transformation reaction is more important than reductive dehalogenation.

Chloroform and aromatic hydrocarbons (benzene, ethylbenzene, xylene, toluene, and chlorobenzene) were detected at low frequency and concentration, and do not appear to be significant, site-related contaminants.

Barium, manganese, and iron were the most frequently detected metals, with barium and manganese detected in all samples. Barium and manganese concentrations have remained fairly constant through time, and appear to be representative. An abrupt decrease in iron concentrations may be related to a change in sampling protocols, and the lower concentrations are probably more representative.

Other metals have not been detected consistently or at elevated concentrations, and do not appear to be of concern.

Site DO, ORP, and pH conditions in general do not appear favorable to reductive intrinsic bioremediation.

6.2.2 Recommendations

1. Since the degradation products of vinyl chloride (i.e., methane, ethane, ethene (MEE)) are not presently being analyzed, the possibility that vinyl chloride may be degrading to other compounds cannot be evaluated. It is recommended that this analysis (RSK-175) be added to the analytical suite.
2. Additional field and laboratory water quality parameters, which may be useful in evaluating the progress of site remediation include: field test kit measurement of alkalinity and ferrous iron (Fe^{+2}), and laboratory analysis for anions (chloride, nitrate, nitrite, sulfate) and sulfide. Collectively, these water quality parameters can be used to evaluate system conditions (i.e., presence or absence of reducing conditions) and together with VOC data, the occurrence and extent of intrinsic biodegradation of site chlorinated solvent contamination.

6.3 Process Engineering

6.3.1 Conclusions

The GWTS is functioning properly and usually meeting discharge standards. However, TCE in July 24, 2003 was recorded at 5.40 $\mu\text{g/L}$, slightly above the discharge limit of 5.00 $\mu\text{g/L}$. The higher TCE level is the result of the liquid phase carbon being exhausted. The carbon change out in December 2003 should result in TCE levels staying below discharge limits.

A few significant operational problems continue to affect the GWTS. Mechanical flow meters left on the influent line are failing, leading to erroneous flow rate reports. Sand filters have developed significant solids loading problems resulting in higher recycle rates, reduced system flow rates, and higher maintenance. Also, occasional electrical phase imbalance has caused a few plant shutdowns, which has resulted in lower system treated water totals. The phase imbalance also causes degradation of the main motor electrical systems, which will result in failure of the motors or motor starters with repeated occurrences.

6.3.2 Recommendations

The following additional recommendations, if implemented, are deemed beneficial to the proper functioning of the GWTS.

1. Replace the influent mechanical flow meters with newer mechanical or magnetic flow meters. This will result in accurate accounting of the quantity of groundwater treated.
2. The sand filters are becoming a growing maintenance problem and serious thought should be considered to replace them with bag filters. The pilot bag filter system has returned the recycle rates to normal and has helped to increase the system flow rate.
3. Electrical phase protection relays in the motor control center and the air compressor control panel should be installed at the plant to protect the plant motors against occasional phase imbalance. This should prevent possible degradation of the main motor electrical systems, which will result in failure of the motors or motor starters with repeated phase imbalance occurrences.

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Tables

Table 2-1
Claremont Polychemical Superfund Site
Historical Chemicals Involved with Manufacturing Processes

product	raw materials	waste products	waste treatment
pigments and ink	phthalates vinyl resins polyethylene resins ketones alcohol high-flash naphtha	mineral spirits vinyl resins solvents solids	solvent recovery
"durogold"	copper zinc	zinc bronze waste fluid	pH adjustment with soda ash and phosphoric acid to remove solids
coated aluminum powder	aluminum sodium silicate	solids in low volume	agglomerated aluminum (dry)
vinyl stabilizers	barium oxide cadmium oxide high-flash naphtha ethyl-hexanoic acid para, tertiary butyl benzoic acid toluene PCE	"none"	

Source: M. Neitlich, 1988, as reported in Ebasco (1990)

Table 3-1
Claremont Polychemical Superfund Site
Groundwater Elevations and Vertical Gradients

		Reference Elevation		October-02				
Screened Level	Well ID	PVC Casing (ft AMSL) ^a	Pump Cap (ft AMSL) ^b	Sample Date	Depth to Water BTOC (ft)	Water Elevation BTOC (ft AMSL)	Wells	Vertical Gradient
1	SW-1		131.49		Dry		--	--
2	DW-1		131.38	22-Oct-02	73.78	57.60	SW-1 to DW-1	ID
1	SW-2	137.92			dry		--	--
2	DW-2		136.42	22-Oct-02	80.11	56.31	SW-2 to DW-2	ID
1	EW-1A		130.00		dry		EW-1A to 1B	--
2	EW-1B		130.53	21-Oct-02	73.99	56.54	EW-1B to 1C	-0.061
3	EW-1C		130.44	21-Oct-02	73.07	57.37	EW-1A to 1C	ID
1	EW-2A		157.36		dry		EW-2A to 2B	--
2	EW-2B		157.73	23-Oct-02	100.80	56.93	EW-2B to 2C	0.001
3	EW-2C		157.66	23-Oct-02	100.74	56.92	EW-2A to 2C	ID
1	EW-3A	158.92			dry		EW-3A to 3B	--
2	EW-3B	159.06		24-Oct-02		159.06	EW-3B to 3C	16.28
3	EW-3C	158.92		24-Oct-02	104.02	54.90	EW-3A to 3C	ID
1	EW-4A		161.78	23-Oct-02	104.12	57.66	EW-4A to 4B	-0.010
2	EW-4B		161.80	23-Oct-02	104.07	57.73	EW-4B to 4C	0.015
3	EW-4C		161.54	23-Oct-02	103.92	57.62	EW-4A to 4C	0.003
4	EW-5		136.98	22-Oct-02	79.16	57.82	DW-2 to EW-5	-0.083
1	EW-6A	130.48			dry		EW-6A to 6B	--
3	EW-6B	130.61				abandoned		
4	EW-6C	130.90		23-Oct-02	71.00	59.90	EW-6A to 6C	-0.140
4	MW-6D	160.39		24-Oct-02	104.20	56.19	NA	NA
4	MW-8B	134.24		21-Oct-02	77.49	56.75	--	--
5	MW-8C	135.72		23-Oct-02	68.55	67.17	MW-8B to 8C	-0.161
4	MW-10B	161.12		24-Oct-02	105.02	56.10	MW-10B to 10C	0.000
5	MW-10C	160.27		24-Oct-02	104.20	56.07	MW-10C to 10D	-0.732
6	MW-10D	161.17		24-Oct-02	95.00	66.17	MW-10B to 10D	-0.155
1	BP-3A	124.54		21-Oct-02	73.83	50.71	BP-3A to 3B	0.004
5	BP-3B	123.57		25-Oct-02	72.94	50.63	BP-3B to 3C	0.004
6	BP-3C	123.68		25-Oct-02	73.17	50.51	BP-3A to 3C	0.004
3	LF-2	118.70		21-Oct-02	61.01	57.69	NA	NA
6	PPW-1	133.85		NM	NM	NM	NA	NA
unknown	RW-01	unknown		NM	NM	NM	NA	NA
1	WT-1	162.38		NM	NM	NM	NA	NA

Notes:

a) Ebasco, 1990

b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

BTOC - Below top of PVC casing

NA - Not Applicable

NM - not measured

ID - Insufficient data for calculation

Table 3-1
Claremont Polychemical Superfund Site
Groundwater Elevations and Vertical Gradients

		Reference Elevation		January-03				
Screened Level	Well ID	PVC Casing (ft AMSL) ^a	Pump Cap (ft AMSL) ^b	Sample Date	Depth to Water BTOC (ft)	Water Elevation BTOC (ft AMSL)	Wells	Vertical Gradient
1	SW-1		131.49		dry		--	--
2	DW-1		131.38	21-Jan-03	72.33	59.05	SW-1 to DW-1	ID
1	SW-2	137.92			dry		--	--
2	DW-2		136.42	21-Jan-03	78.58	57.84	SW-2 to DW-2	ID
1	EW-1A		130.00	21-Jan-03	71.28	58.72	EW-1A to 1B	-0.003
2	EW-1B		130.53	21-Jan-03	71.78	58.75	EW-1B to 1C	-0.010
3	EW-1C		130.44	21-Jan-03	71.55	58.89	EW-1A to 1C	-0.022
1	EW-2A		157.36	21-Jan-03	99.30	58.06	EW-2A to 2B	-0.021
2	EW-2B		157.73	21-Jan-03	99.38	58.35	EW-2B to 2C	-0.012
3	EW-2C		157.66	21-Jan-03	99.21	58.45	EW-2A to 2C	-0.036
1	EW-3A	158.92		NM	NM	NM	EW-3A to 3B	NM
2	EW-3B	159.06		NM	NM	NM	EW-3B to 3C	NM
3	EW-3C	158.92		NM	NM	NM	EW-3A to 3C	NM
1	EW-4A		161.78	21-Jan-03	102.69	59.09	EW-4A to 4B	-0.001
2	EW-4B		161.80	21-Jan-03	102.70	59.10	EW-4B to 4C	-0.001
3	EW-4C		161.54	21-Jan-03	102.43	59.11	EW-4A to 4C	-0.002
4	EW-5		136.98	21-Jan-03	78.38	58.60	DW-2 to EW-5	-0.042
1	EW-6A	130.48		NM	NM	NM	EW-6A to 6B	NM
3	EW-6B	130.61		abandoned				
4	EW-6C	130.90		NM	NM	NM	EW-6A to 6C	NM
4	MW-6D	160.39		NM	NM	NM	NA	NA
4	MW-8B	134.24		NM	NM	NM	--	NM
5	MW-8C	135.72		NM	NM	NM	MW-8B to 8C	NM
4	MW-10B	161.12		NM	NM	NM	MW-10B to 10C	NM
5	MW-10C	160.27		NM	NM	NM	MW-10C to 10D	NM
6	MW-10D	161.17		NM	NM	NM	MW-10B to 10D	NM
1	BP-3A	124.54		NM	NM	NM	BP-3A to 3B	NM
5	BP-3B	123.57		NM	NM	NM	BP-3B to 3C	NM
6	BP-3C	123.68		NM	NM	NM	BP-3A to 3C	NM
3	LF-2	118.70		NM	NM	NM	NA	NA
6	PPW-1	133.85		NM	NM	NM	NA	NA
unknown	RW-01	unknown		NM	NM	NM	NA	NA
1	WT-1	162.38		NM	NM	NM	NA	NA

Notes:

a) Ebasco, 1990

b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

BTOC - Below top of PVC casing

NA - Not Applicable

NM - not measured

ID - Insufficient data for calculation

Table 3-1
Claremont Polychemical Superfund Site
Groundwater Elevations and Vertical Gradients

		Reference Elevation		April-03				
Screened Level	Well ID	PVC Casing (ft AMSL) ^a	Pump Cap (ft AMSL) ^b	Sample Date	Depth to Water BTOC (ft)	Water Elevation BTOC (ft AMSL)	Wells	Vertical Gradient
1	SW-1		131.49		dry		--	--
2	DW-1		131.38	17-Apr-03	70.76	60.62	SW-1 to DW-1	ID
1	SW-2	137.92			dry		--	--
2	DW-2		136.42	15-Apr-03	76.76	59.66	SW-2 to DW-2	ID
1	EW-1A		130.00	16-Apr-03	69.68	60.32	EW-1A to 1B	-0.006
2	EW-1B		130.53	16-Apr-03	70.15	60.38	EW-1B to 1C	-0.019
3	EW-1C		130.44	16-Apr-03	69.80	60.64	EW-1A to 1C	-0.042
1	EW-2A		157.36		dry		EW-2A to 2B	--
2	EW-2B		157.73	15-Apr-03	97.85	59.88	EW-2B to 2C	-0.021
3	EW-2C		157.66	15-Apr-03	97.60	60.06	EW-2A to 2C	ID
1	EW-3A	158.92			dry		EW-3A to 3B	--
2	EW-3B	159.06		15-Apr-03	101.49	57.57	EW-3B to 3C	-0.03
3	EW-3C	158.92		15-Apr-03	101.15	57.77	EW-3A to 3C	ID
1	EW-4A		161.78	16-Apr-03	100.92	60.86	EW-4A to 4B	-0.132
2	EW-4B		161.80	16-Apr-03	100.00	61.80	EW-4B to 4C	0.128
3	EW-4C		161.54	16-Apr-03	100.65	60.89	EW-4A to 4C	-0.002
4	EW-5		136.98	15-Apr-03	76.26	60.72	DW-2 to EW-5	-0.059
1	EW-6A	130.48		16-Apr-03	67.66	62.82	EW-6A to 6B	--
3	EW-6B	130.61			abandoned			
4	EW-6C	130.90		16-Apr-03	68.50	62.40	EW-6A to 6C	0.041
4	MW-6D	160.39		16-Apr-03	101.12	59.27	NA	NA
4	MW-8B	134.24		16-Apr-03	74.77	59.47	--	--
5	MW-8C	135.72		16-Apr-03	75.08	60.64	MW-8B to 8C	-0.018
4	MW-10B	161.12		15-Apr-03	102.08	59.04	MW-10B to 10C	0.000
5	MW-10C	160.27		15-Apr-03	101.20	59.07	MW-10C to 10D	-0.005
6	MW-10D	161.17		15-Apr-03	102.03	59.14	MW-10B to 10D	-0.002
1	BP-3A	124.54		14-Apr-03	70.45	54.09	BP-3A to 3B	0.018
5	BP-3B	123.57		14-Apr-03	69.81	53.76	BP-3B to 3C	0.003
6	BP-3C	123.68		14-Apr-03	70.02	53.66	BP-3A to 3C	0.008
3	LF-2	118.70		15-Apr-03	57.94	60.76	NA	NA
6	PPW-1	133.85		NM	NM	NM	NA	NA
unknown	RW-01	unknown		17-Apr-03	73.80	ID	NA	NA
1	WT-1	162.38		17-Apr-03	103.19	59.19	NA	NA

Notes:

a) Ebasco, 1990

b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

BTOC - Below top of PVC casing

NA - Not Applicable

NM - not measured

ID - Insufficient data for calculation

Table 3-1
Claremont Polychemical Superfund Site
Groundwater Elevations and Vertical Gradients

		Reference Elevation		July-03				
Screened Level	Well ID	PVC Casing (ft AMSL) ^a	Pump Cap (ft AMSL) ^b	Sample Date	Depth to Water BTOC (ft)	Water Elevation BTOC (ft AMSL)	Wells	Vertical Gradient
1	SW-1		131.49		dry		--	--
2	DW-1		131.38	28-Jul-03	69.00	62.38	SW-1 to DW-1	ID
1	SW-2	137.92			dry		--	--
2	DW-2		136.42	28-Jul-03	75.26	61.16	SW-2 to DW-2	ID
1	EW-1A		130.00	28-Jul-03	68.94	61.06	EW-1A to 1B	-0.096
2	EW-1B		130.53	28-Jul-03	68.45	62.08	EW-1B to 1C	0.010
3	EW-1C		130.44	28-Jul-03	68.50	61.94	EW-1A to 1C	-0.116
1	EW-2A		157.36		dry		EW-2A to 2B	--
2	EW-2B		157.73	28-Jul-03	96.12	61.61	EW-2B to 2C	-0.018
3	EW-2C		157.66	28-Jul-03	95.90	61.76	EW-2A to 2C	ID
1	EW-3A	158.92			dry		EW-3A to 3B	--
2	EW-3B	159.06		28-Jul-03	98.80	60.26	EW-3B to 3C	0.00
3	EW-3C	158.92		28-Jul-03	98.69	60.23	EW-3A to 3C	ID
1	EW-4A		161.78	28-Jul-03	99.25	62.53	EW-4A to 4B	0.003
2	EW-4B		161.80	28-Jul-03	99.29	62.51	EW-4B to 4C	-0.011
3	EW-4C		161.54	28-Jul-03	98.95	62.59	EW-4A to 4C	-0.005
4	EW-5		136.98	28-Jul-03	74.23	62.75	DW-2 to EW-5	-0.088
1	EW-6A	130.48		NM	NM	NM	EW-6A to 6B	--
3	EW-6B	130.61		abandoned				
4	EW-6C	130.90		28-Jul-03	66.90	64.00	EW-6A to 6C	ID
4	MW-6D	160.39		31-Jul-03	99.59	60.80	NA	NA
4	MW-8B	134.24		NM	NM	NM	--	--
5	MW-8C	135.72		29-Jul-03	73.58	62.14	MW-8B to 8C	ID
4	MW-10B	161.12		31-Jul-03	100.82	60.30	MW-10B to 10C	0.000
5	MW-10C	160.27		30-Jul-03	99.96	60.31	MW-10C to 10D	0.009
6	MW-10D	161.17		30-Jul-03	100.98	60.19	MW-10B to 10D	0.002
1	BP-3A	124.54		30-Jul-03	64.48	60.06	BP-3A to 3B	0.211
5	BP-3B	123.57		29-Jul-03	67.29	56.28	BP-3B to 3C	0.004
6	BP-3C	123.68		29-Jul-03	67.55	56.13	BP-3A to 3C	0.077
3	LF-2	118.70		28-Jul-03	56.18	62.52	NA	NA
6	PPW-1	133.85		NM	NM	NM	NA	NA
unknown	RW-01	unknown		24-Jul-03	72.20	ID	NA	NA
1	WT-1	162.38		28-Jul-03	101.12	61.26	NA	NA

Notes:

a) Ebasco, 1990

b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

BTOC - Below top of PVC casing

NA - Not Applicable

NM - not measured

ID - Insufficient data for calculation

Table 3-1
Claremont Polychemical Superfund Site
Groundwater Elevations and Vertical Gradients

		Reference Elevation		October-03				
Screened Level	Well ID	PVC Casing (ft AMSL) ^a	Pump Cap (ft AMSL) ^b	Sample Date	Depth to Water BTOC (ft)	Water Elevation BTOC (ft AMSL)	Wells	Vertical Gradient
1	SW-1		131.49		dry		--	--
2	DW-1		131.38	21-Oct-03	68.97	62.41	SW-1 to DW-1	ID
1	SW-2	137.92			dry		--	--
2	DW-2		136.42	22-Oct-03	76.49	59.93	SW-2 to DW-2	ID
1	EW-1A		130.00	22-Oct-03	67.99	62.01	EW-1A to 1B	0.075
2	EW-1B		130.53	22-Oct-03	69.31	61.22	EW-1B to 1C	-0.081
3	EW-1C		130.44	22-Oct-03	68.11	62.33	EW-1A to 1C	-0.042
1	EW-2A		157.36	23-Oct-03	95.93	61.43	EW-2A to 2B	-0.011
2	EW-2B		157.73	21-Oct-03	96.15	61.58	EW-2B to 2C	-0.019
3	EW-2C		157.66	21-Oct-03	95.92	61.74	EW-2A to 2C	-0.028
1	EW-3A	158.92			dry		EW-3A to 3B	--
2	EW-3B	159.06		21-Oct-03	99.33	59.73	EW-3B to 3C	-0.03
3	EW-3C	158.92		21-Oct-03	98.99	59.93	EW-3A to 3C	ID
1	EW-4A		161.78	20-Oct-03	99.45	62.33	EW-4A to 4B	-0.003
2	EW-4B		161.80	20-Oct-03	99.45	62.35	EW-4B to 4C	0.007
3	EW-4C		161.54	20-Oct-03	99.24	62.30	EW-4A to 4C	0.002
4	EW-5		136.98	22-Oct-03	82.70	54.28	DW-2 to EW-5	0.312
1	EW-6A	130.48			dry		EW-6A to 6B	--
3	EW-6B	130.61			abandoned			
4	EW-6C	130.90		23-Oct-03	65.64	65.26	EW-6A to 6C	ID
4	MW-6D	160.39		22-Oct-03	99.39	61.00	NA	NA
4	MW-8B	134.24		22-Oct-03	72.88	61.36	--	--
5	MW-8C	135.72		22-Oct-03	73.55	62.17	MW-8B to 8C	-0.013
4	MW-10B	161.12		22-Oct-03	101.38	59.74	MW-10B to 10C	-0.018
5	MW-10C	160.27		21-Oct-03	99.28	60.99	MW-10C to 10D	-0.061
6	MW-10D	161.17		21-Oct-03	99.34	61.83	MW-10B to 10D	-0.032
1	BP-3A	124.54		NM	NM	NM	BP-3A to 3B	--
5	BP-3B	123.57		20-Oct-03	68.27	55.30	BP-3B to 3C	0.004
6	BP-3C	123.68		20-Oct-03	68.52	55.16	BP-3A to 3C	ID
3	LF-2	118.70		23-Oct-03	56.12	62.58	NA	NA
6	PPW-1	133.85		23-Oct-03	71.15	62.70	NA	NA
unknown	RW-01	unknown			abandoned		NA	NA
1	WT-1	162.38		22-Oct-03	100.45	61.93	NA	NA

Notes:

a) Ebasco, 1990

b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface

ft AMSL - feet above mean sea level

BTOC - Below top of PVC casing

NA - Not Applicable

NM - not measured

ID - Insufficient data for calculation

Table 3-2
Claremont Polychemical Superfund Site
Well Construction Data Grouped by Levels

Screened Level	Well ID	Northing	Easting	Well Diameter (inches)	Depth of Screened Interval (ft bgs)	Elevation of Screened Interval (ft AMSL)	Depth to Pump (ft bgs)	Well Depth (ft bgs)	Elevation		
									Top of Steel Casing (ft AMSL)	Top of PVC Casing (ft AMSL) ^a	Top of Pump Cap (ft AMSL) ^b
Onsite Monitoring Wells											
1	SW-1	194071.311	2154123.654	4	65 to 70	66.5 to 61.50	70	70.99	--	131.31	131.49
1	SW-2	194051.190	2154448.258	4	63 to 73	75.10 to 65.10	No pump	73.11	--	137.92	--
1	EW-1A	193873.779	2154019.942	4	65.17 to 75.00	63.17 to 53.34	75	76.50	130.09 ^a	130.02	130.00
1	EW-2A	193955.252	2154621.992	4	92.17 to 102.00	65.19 to 55.36	105	108.50	157.54 ^a	157.14	157.36
1	EW-4A	194255.578	2154569.281	4	100.17 to 115	59.69 to 44.86	115	116.60	161.81 ^a	161.89	161.78
2	DW-1	194070.541	2154132.146	4	93.5 to 98.5	38.9 to 32.89	95	99.10	--	131.19	131.38
2	DW-2	194063.355	2154430.872	4	95 to 100	42.35 to 37.35	100	100.79	--	137.61	136.42
2	EW-1B	193883.104	2154024.450	4	90.17 to 100.00	38.58 to 28.75	100	102.40	130.65 ^a	130.56	130.53
2	EW-2B	193968.144	2154627.191	4	120.17 to 130.00	38.57 to 28.74	125	129.50	157.99 ^a	157.61	157.73
2	EW-4B	194249.291	2154569.137	4	120.17 to 130.00	39.63 to 29.8	130	131.72	161.91 ^a	161.67	161.80
3	EW-1C	193876.735	2154013.250	4	115.17 to 125.00	13.26 to 3.43	125	127.50	130.6 ^a	130.47	130.44
3	EW-2C	193965.658	2154619.710	4	140.17 to 150.00	17.43 to 7.60	145	149.50	157.93 ^a	157.54	157.66
3	EW-4C	194242.950	2154569.108	4	145.17 to 155.00	14.42 to 4.59	150	157.00	161.68 ^a	161.41	161.54
4	EW-5	194051.026	2154443.232	4	165.17 to 175.00	-31.16 to -40.99	170	178.87	135.81 ^a	135.55	136.98
Offsite Monitoring Wells											
1	EW-3A	192803.360	2155737.476	4	95.17 to 105.00	62.11 to 52.28	No pump	106.00	159.24 ^a	158.92	--
1	EW-6A	194676.900	2154136.030	4	63.17 to 73.00	67.49 to 57.66	No pump	71.00	130.76 ^a	130.48	--
1	BP-3A	190227.267	2155064.492	4	54 to 74	71 to 51	70	74.00	--	124.54	--
1	WT-1	194281.460	2154989.550	4	95.4 to 105.4	66.98 to 56.98	No pump	105.40	--	162.38	--
2	EW-3B	192823.359	2155736.476	4	125.17 to 135.00	32.15 to 22.32	133	136.86	159.36 ^a	159.06	--
3	EW-3C	192822.360	2155742.476	4	154.17 to 164.00	2.99 to -6.84	162	165.85	159.25 ^a	158.92	--
3	EW-6B	Abandoned		4	110.17 to 120.00	20.62 to 10.79	--	--	130.86 ^a	130.61	--
3	LF-2	193617.347	2153592.477	6	110 to 115	8 to 3	112	115.00	--	118.70	--
4	EW-6C	194676.900	2154136.030	4	160.67 to 170.50	-29.60 to -39.43	No pump	169.00	131.53 ^a	130.90	--
4	MW-6D	192831.355	2154128.481	4	185 to 190	-26.1 to -31.1	187	190.00	--	160.39	--
4	MW-8B	193723.370	2154266.420	4	155 to 160	-22.2 to -27.2	157	160.00	--	134.24	--
4	MW-10B	193334.083	2155374.785	4	173 to 178	-13 to -18	175	178.00	162.24 ^b	161.12	--
5	MW-8C	193723.373	2154266.424	4	245 to 250	-110.7 to -115.7	247	250.00	136.26 ^b	135.72	--
5	MW-10C	193355.184	2155308.330	4	273 to 278	-113.1 to -118.1	275	278.00	161.16 ^b	160.27	--
5	BP-3B	190244.367	2155068.492	4	215 to 235	-91 to -111	224	235.00	--	123.57	--
6	MW-10D	193341.537	2155310.126	4	309 to 314	-149.2 to -154.2	311	314.00	161.85 ^b	161.17	--
6	BP-3C	190276.367	2155078.492	4	280 to 300	-156 to -176	290	300.00	--	123.68	--
6	PPW-1	194329.270	2154097.870	12/10	300 to 330	-166.2 to -196.2	No pump	330.00	--	133.85	--
unknown	RW-01	Abandoned		8	unknown	unknown	No pump	157.00 - 170.00	--	--	--
Extraction Wells											
1/2; 3/4	EXT-1	193746.762	2154315.864	10	75 to 110, 125 to 175	59.3 to 24.3, 9.3 to -40.7	140	175.00	134.31	--	--
2; 3/4	EXT-2	193853.944	2154407.808	10	95 to 120, 135 to 190	51.3 to 26.3, 11.3 to -43.8	150	190.00	146.25	--	--
2/3/4	EXT-3	193997.321	2154530.799	10	94 to 194	66.7 to -33.31	150	194.00	160.69	--	--
Injection Wells											
2/3/4	IW-1	194379.317	2155044.992	8	133 to 248	31.9 to -83.2	--	248.00	164.85 ^b	--	--
1/2/3/4	IW-2	194391.192	2155157.407	8	100 to 250	65.6 to -84.4	--	250.00	165.61 ^b	--	--
1/2/3/4	IW-3	194392.982	2155258.559	8	102 to 252	64.2 to -85.77	--	252.00	166.23 ^b	--	--
1/2/3/4	IW-4	194269.929	2155249.809	8	100 to 250	66.1 to -83.89	--	250.00	166.11 ^b	--	--

Notes:

- a) As reported in the Draft Final Remedial Investigation Report, July 1990
b) Surveyed June/July 2002

Key:

ft bgs - feet below ground surface
ft AMSL - feet above mean sea level
BTC - Below top of PVC casing
SW/DW - shallow vs. deep wells
EW - Ebasco wells
EXT/IW - Extraction vs. Injection wells

Level 1	Screened interval from 75.10 through 44.86 feet AMSL
Level 2	Screened interval from 42.35 through 22.32 feet AMSL
Level 3	Screened interval from 20.62 through 2.99 feet AMSL
Level 4	Screened interval from -13.99 through -40.99 feet AMSL
Level 5	Screened interval from -91.00 through -118.10 feet AMSL
Level 6	Screened interval from -149.20 through -196.2 feet AMSL

Table 4-1
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1B-QC	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C
sampling date				Oct-02	10/21/02	10/21/02	10/21/02	Oct-02	10/23/02	10/23/02	Oct-02	10/24/02	10/24/02
VOCs				ns - dry				ns - dry			ns - dry		
VOC dilution factor					1x	1x	1x		1x	1x		1x	12.5x
dichlorodifluoromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
chloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
vinyl chloride	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
bromomethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
chloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
trichlorofluoromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,1-dichloroethene	µg/L		0.50		0.10 J	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	12.00 J		0.50 U	6.3 U
acetone	µg/L		5.0		5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	6.3 U
carbon disulfide	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
methyl acetate	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
methylene chloride	µg/L		0.50		0.50 U	0.50 U	0.57 U		0.50 U	0.71 U		0.50 U	6.3 U
trans-1,2-dichloroethene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
tert-butyl methyl ether	µg/L		0.50		0.18 J	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,1-dichloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
cis-1,2-dichloroethene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.92 J		0.50 U	6.3 U
2-butanone	µg/L		5.0		5.0 U	5.0 U	5.0 U		1.30	7.70 J		0.50 U	2.90 J
bromochloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
chloroform	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.16 J	0.41 J		0.50 U	6.3 U
1,1,1-trichloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.94	22.00 D		0.50 U	3.50 J
cyclohexane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
carbon tetrachloride	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
benzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,2-dichloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
trichloroethene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
methylcyclohexane	µg/L		0.50		0.50 U	0.50 U	0.50 U		3.50	18.00		0.23 J	86.00
1,2-dichloropropane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
bromodichloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
cis-1,3-dichloropropene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
4-methyl-2-pentanone	µg/L		5.0		5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	6.3 U
toluene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
trans-1,3-dichloropropene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,1,2-trichloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
tetrachloroethene	µg/L		0.50		2.10	2.10	6.00		6.00	3.50		0.24 J	6.80
2-hexanone	µg/L		5.0		5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	6.3 U
dibromochloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,2-dibromoethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
chlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
ethylbenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
xylenes (total)	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
styrene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
bromoform	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
isopropylbenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,1,2,2-tetrachloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,3-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,4-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.14 J		0.50 U	6.3 U
1,2-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.15 J		0.50 U	0.50 U		0.50 U	6.3 U
1,2-dibromo-3-chloropropane	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,2,4-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U
1,2,3-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	6.3 U

Table 4-1
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				10/23/02	10/23/02	10/23/02	Oct-02	10/22/02	Oct-02	10/22/02	10/22/02	Oct-02	abandoned
VOCs							ns - dry		ns - dry			ns - dry	
VOC dilution factor				6.3x	4.2x	50.0x		1x		1x	25x		
dichlorodifluoromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
chloromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
vinyl chloride	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
bromomethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
chloroethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
trichlorofluoromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,1-dichloroethene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,1,2-trichloro-1,2,2-trifluoroet	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
acetone	µg/L	5.0	3.1	U	2.1	U	250	U	5.0	U	51.00	J	
carbon disulfide	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
methyl acetate	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
methylene chloride	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
trans-1,2-dichloroethene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
tert-butyl methyl ether	µg/L	0.50	3.1	U	2.1	U	25	U	0.13	J	0.15	J	
1,1-dichloroethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
cis-1,2-dichloroethene	µg/L	0.50	3.20		0.60	J	11.00	J	0.50	U	6.50	J	
2-butanone	µg/L	5.0	3.2	U	2.1	U	250	U	5.0	U	130	U	
bromochloromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
chloroform	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,1,1-trichloroethane	µg/L	0.50	0.81	J	2.30		11.00	J	0.50	U	0.10	J	
cyclohexane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
carbon tetrachloride	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
benzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2-dichloroethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
trichloroethene	µg/L	0.50	2.60	J	59.00		890.00		0.51		0.40	J	280.00
methylcyclohexane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2-dichloropropane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
bromodichloromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
cis-1,3-dichloropropene	µg/L	0.50	1.10	J	0.56	J	7.30	J	0.50	U	13	U	
4-methyl-2-pentanone	µg/L	5.0	3.1	U	2.1	U	250	U	5.0	U	130	U	
toluene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
trans-1,3-dichloropropene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,1,2-trichloroethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
tetrachloroethene	µg/L	0.50	84.00		3.20		14.00	J	0.78		0.41	J	3.60
2-hexanone	µg/L	5.0	3.1	U	2.1	U	250	U	5.0	U	130	U	
dibromochloromethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2-dibromoethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
chlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
ethylbenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
xlenes (total)	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
styrene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
bromoform	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	0.30	J	6.80
isopropylbenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,1,2,2-tetrachloroethane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,3-dichlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,4-dichlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2-dichlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2-dibromo-3-chloropropane	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2,4-trichlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	
1,2,3-trichlorobenzene	µg/L	0.50	3.1	U	2.1	U	25	U	0.50	U	13	U	

Table 4-1
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Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B	BP-3C
sampling date				10/23/02	10/24/02	10/24/02	10/23/02	10/24/02	10/24/02	10/24/02	Oct-02	10/25/02	10/25/02
VOCs											ns - dry		
VOC dilution factor				1x	1x	1x	1x	1x	3.1x	2.1x		1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.16 J	2.60 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	1.00 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.38 J
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	16 U	10 U		5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.45 J	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
methylene chloride	µg/L		0.50	0.50 U	0.69 U	0.50 U	0.50 U	0.50 U	2.6 U	2.7 U		0.50 U	0.90 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		1.00 U	0.14 J
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.62 J	1.60 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.60 J	1.0 U		0.56 J	1.10 J
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.25 J	0.12 J	0.50 U	1.30 U	17.00 U	0.88 J		21.00 U	25.00 D
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	16 U	10 U		5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.65 U	2.20 J	0.33 J		0.30 J	0.21 J
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	3.10 U	22.00 U	1.0 U		0.29 J	0.70 U
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	0.21 J		0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.43 J	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	4.00 U	2.00 U		0.50 U	0.50 U
trichloroethene	µg/L		0.50	0.33 J	0.40 J	0.70 U	0.34 J	3.40 U	20.00 U	21.00 U		5.70 U	2.00 J
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.13 J	0.12 J	0.13 J	0.42 J	1.0 U		0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	16 U	10 U		5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.87 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.50 U	0.19 J	0.52 U	1.00 U	2.70 U	26 U	0.31 J		50.00 D	0.50 J
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	26.0 U	10 U		5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.11 J	0.59 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
bromoform	µg/L		0.50	0.20 J	0.50 U	0.50 U	0.21 J	0.50 U	0.70 J	1.0 U		0.20 J	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.11 J	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.99 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.70 U	0.50 U	0.50 U	0.50 U	1.60 U	1.0 U		0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.6 U	1.0 U		0.50 U	0.50 U

Table 4-1
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Analyte	units	MDL	CRQL	LF-2 QC	LF-2	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				11/19/02	11/19/02	10/25/02	10/25/02	10/25/02	10/25/02
VOCs									
VOC dilution factor				1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.12 J
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	3.70	0.15
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.78 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.21 J
tert-butyl methyl ether	µg/L		0.50	0.35 J	0.30 J	0.15 J	0.17 J	0.12 J	0.64
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.22 J	0.23 J	1.00 J	5.20
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	5.00	5.20	13.00	19.00 J
2-butanone	µg/L		5.0	0.88 J	5.0 U	4.40 J	2.70 J	6.70	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.18 J	0.43 J
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	1.20	1.20	0.82	27.00 D
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.12 J	0.12 J	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichloroethene	µg/L		0.50	0.50 U	0.50 U	34.00 D	37.00 D	140.00 D	780.00 D
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.18 J	0.20 J	0.50 U	0.29 J
tetrachloroethene	µg/L		0.50	0.15 J	0.50 U	170.00 D	170.00 D	190.00 D	19.00
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.18 J	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.15 J	0.14 J	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.23 J	0.50 U	0.21 J	0.50 U	0.50 U	0.16 J
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.25 J	0.19 J	0.14 J	0.14 J	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 4-1
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Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1B-OC	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C
sampling date				Oct-02	10/21/02	10/21/02	10/21/02	Oct-02	10/23/02	10/23/02	Oct-02	10/24/02	10/24/02
metals		IDL	CRDL	ns - dry				ns - dry			ns - dry		
aluminum (Al)	µg/L	57.0	200.0		68.8 B	56.7 <i>U</i>	56.7 <i>U</i>		56.7 <i>U</i>	56.7 <i>U</i>		86.7 B	56.7 <i>U</i>
antimony (Sb)	µg/L	1.2	60.0		2.8 B	1.2 <i>U</i>	1.2 <i>U</i>		1.2 <i>U</i>	1.2 <i>U</i>		1.2 <i>U</i>	1.2 <i>U</i>
arsenic (As)	µg/L	3.0	10.0		3.0 <i>U</i>	3.0 <i>U</i>	3.0 <i>U</i>		3.0 <i>U</i>	3.0 <i>U</i>		3.0 <i>U</i>	3.0 <i>U</i>
barium (Ba)	µg/L	0.30	200.0		49.7 B	42.8 B	91.5 B		69.3 B	88.9 B		13.0 B	32.6 B
beryllium (Be)	µg/L	0.20	5.0		0.20 <i>U</i>	0.20 <i>U</i>	0.25 B		0.34 B	0.61 B		0.20 <i>U</i>	0.20 <i>U</i>
cadmium (Cd)	µg/L	0.30	5.0		0.30 <i>U</i>	0.30 <i>U</i>	0.30 <i>U</i>		0.56 B	0.32 B		0.30 <i>U</i>	0.30 <i>U</i>
calcium (Ca)	µg/L	15.0	5000.0		59,000	56,200	46,400		14,500	13,400		2,940 B	4,840 B
chromium (Cr)	µg/L	0.80	10.0		0.80 <i>U</i>	0.80 <i>U</i>	0.80 <i>U</i>		1.6 B	0.80 <i>U</i>		0.80 <i>U</i>	0.80 <i>U</i>
cobalt (Co)	µg/L	0.70	50.0		3.0 B	1.7 B	47.8 B		13.8 B	8.9 B		0.70 <i>U</i>	0.70 <i>U</i>
copper (Cu)	µg/L	1.5	25.0		2.3 B	1.8 B	18.4 B		8.5 B	4.2 B		1.5 <i>U</i>	1.7 B
iron (Fe)	µg/L	13.0	100.0		18.6 B	12.5 <i>U</i>	257		105	12.5 <i>U</i>		206 J	13.7 B
lead (Pb)	µg/L	1.2	3.0		1.2 <i>U</i>	1.2 <i>U</i>	2.4 B		2.5 B	1.2 <i>U</i>		1.5 B	1.9 B
magnesium (Mg)	µg/L	12.0	5000.0		8,180	7,780	9,190		7,050	4,660 B		970 B	3,330 B
manganese (Mn)	µg/L	0.20	15.0		285	272	729		349	180		24.3	15.6
mercury (Hg)	µg/L	0.10	0.2		0.10 <i>UJ</i>	0.10 <i>UJ</i>	0.10 <i>UJ</i>		0.10 <i>U</i>	0.10 <i>U</i>		0.10 <i>U</i>	0.10 <i>U</i>
nickel (Ni)	µg/L	1.0	40.0		10.6 B	8.8 B	12.5 B		44.3	7.7 B		1.9 B	1.6 B
potassium (K)	µg/L	40.0	5000.0		14,100 J	13,500 J	19,200 J		2,900 B	3,750 B		537 B	941 B
selenium (Se)	µg/L	3.0	5.0		3.1 B	3.0 <i>U</i>	3.0 <i>U</i>		3.0 <i>U</i>	3.0 <i>U</i>		3.0 <i>U</i>	3.0 <i>U</i>
silver (Ag)	µg/L	0.80	10.0		0.80 <i>U</i>	0.80 <i>U</i>	0.80 <i>U</i>		0.80 <i>U</i>	0.80 <i>U</i>		0.80 <i>U</i>	0.80 <i>U</i>
sodium (Na)	µg/L	304	5000.0		95,700	91,200	63,100		47,700 J	31,800 J		5,230 J	10,000 J
thallium (Tl)	µg/L	2.4	10.0		2.4 <i>U</i>	2.4 <i>U</i>	2.4 <i>U</i>		2.4 <i>U</i>	2.4 <i>U</i>		2.4 <i>U</i>	2.4 <i>U</i>
vanadium (V)	µg/L	0.70	50.0		1.2 B	0.70 <i>U</i>	0.70 <i>U</i>		0.70 <i>U</i>	0.70 <i>U</i>		0.70 <i>U</i>	0.70 <i>U</i>
zinc (Zn)	µg/L	1.1	20.0		1.1 <i>U</i>	1.1 <i>U</i>	20.8		33.9 J	15.1 B		2.3 B	2.5 B
field instrument				ns - dry				ns - dry			ns - dry		
pH	su				6.59	6.59	5.77		5.26	5.07		5.46	5.28
conductivity	µmhos/cm				0.999	0.999	0.876		0.497	0.399		0.066	0.152
turbidity	NTU				4.7	4.7	5.8		8.2	7.2		23.6	11.5
DO	mg/L				0.47	0.47	0.72		3.21	3.70		8.89	6.44
temperature	°C				19.43	19.43	19.31		17.74	17.90		15.59	15.71
Eh (ORP)	mV				105	105	125		275	303		261	285

boldface: lab analysis positive detection
 U: not detected
 J: estimated
 R: rejected
 B: IDL < x < CRDL (ILM04.1)(equivalent to J)
 D: quantified at dilution
 NM: not measured
 UJ: estimated not detected

Table 4-1
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				10/23/02	10/23/02	10/23/02	Oct-02	10/22/02	Oct-02	10/22/02	10/22/02	Oct-02	abandoned
metals		IDL	CRDL				ns - dry		ns - dry			ns - dry	abandoned
aluminum (Al)	µg/L	57.0	200.0	56.7 U	56.7 U	56.7 U		56.7 U		165 B	56.7 U		
antimony (Sb)	µg/L	1.2	60.0	1.5 B	1.2 U	1.2 U		1.2 U		1.2 U	1.2 U		
arsenic (As)	µg/L	3.0	10.0	3.0 U	3.0 U	3.0 U		3.0 U		3.0 U	3.0 U		
barium (Ba)	µg/L	0.30	200.0	83.8 B	53.8 B	56.9 B		48.3 B		79.1 B	118 B		
beryllium (Be)	µg/L	0.20	5.0	0.20 U	0.30 B	0.20 U		0.20 U		0.69 B	0.40 B		
cadmium (Cd)	µg/L	0.30	5.0	0.30 U	0.30 U	0.30 U		0.30 U		0.30 U	0.39 B		
calcium (Ca)	µg/L	15.0	5000.0	9,230	11,500	10,900		25,600		3,880	36,900		
chromium (Cr)	µg/L	0.80	10.0	0.80 U	0.80 U	0.80 U		0.80 U		0.80 U	0.80 U		
cobalt (Co)	µg/L	0.70	50.0	23.0 B	5.8 B	2.5 B		1.5 B		7.7 B	32.3 B		
copper (Cu)	µg/L	1.5	25.0	3.2 B	1.9 B	2.4 B		2.1 B		3.4 B	4.1 B		
iron (Fe)	µg/L	13.0	100.0	339 J	12.5 U	12.5 U		5,150		19.6 B	33.3 B		
lead (Pb)	µg/L	1.2	3.0	1.2 U	1.2 U	1.2 U		1.2 U		1.2 U	1.2 U		
magnesium (Mg)	µg/L	12.0	5000.0	10,100	3,530 B	23,500 B		2910 B		9,860	14,700		
manganese (Mn)	µg/L	0.20	15.0	780	157	32.7		588		181	751		
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 U	0.10 UJ		0.15 BJ		0.10 UJ	0.10 UJ		
nickel (Ni)	µg/L	1.0	40.0	4.9 B	5.4 B	3.3 B		1.0 U		8.1 B	24.9 B		
potassium (K)	µg/L	40.0	5000.0	3,670 B	4,540 B	36,500 B		8,820 J		10,600 J	15,400 J		
selenium (Se)	µg/L	3.0	5.0	3.0 U	3.0 U	3.0 U		3.0 U		3.0 U	3.0 U		
silver (Ag)	µg/L	0.80	10.0	0.80 U	0.80 U	0.80 U		0.80 U		0.80 U	0.80 U		
sodium (Na)	µg/L	304	5000.0	20,600 J	9,270 J	11,400		7,130		82,000	60,000		
thallium (Tl)	µg/L	2.4	10.0	2.4 U	2.4 U	2.4 U		2.4 U		2.4 U	2.4 U		
vanadium (V)	µg/L	0.70	50.0	0.70 U	0.70 U	0.70 U		0.70 U		0.70 U	0.70 U		
zinc (Zn)	µg/L	1.1	20.0	2.7 B	9.6 B	9.9 B		1.1 U		7.2 B	28.1		
field instrument							ns - dry		ns - dry			ns - dry	abandoned
pH	su			5.04	5.48	5.80		6.35		5.10	5.58		
conductivity	µmhos/cm			0.302	0.187	0.193		0.693		0.940	0.836		
turbidity	NTU			17.8	10.2	10.0		9.4		6.2	6.0		
DO	mg/L			2.70	5.16	6.51		0.32		1.48	0.42		
temperature	°C			18.14	18.23	18.26		18.07		18.21	18.83		
Eh (ORP)	mV			308	275	253		10		283	202		

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

Table 4-1
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B	BP-3C
sampling date				10/23/02	10/24/02	10/24/02	10/23/02	10/24/02	10/24/02	10/24/02	Oct-02	10/25/02	10/25/02
metals		IDL	CRDL								ns - dry		
aluminum (Al)	µg/L	57.0	200.0	78.9 B	56.7 U	168 B	56.7 U	133 B	89.9 B	56.7 U		115 B	83.1 B
antimony (Sb)	µg/L	1.2	60.0	1.2 U	1.6 B	1.2 U	3.3 B	1.5 B	1.2 U	1.4 B		1.2 U	1.2 U
arsenic (As)	µg/L	3.0	10.0	3.0 U	44.1	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U		3.0 U	3.0 U
barium (Ba)	µg/L	0.30	200.0	25.3 B	125 B	596	61.3 B	42.0 B	102 B	76.2 B		40.6 B	101 B
beryllium (Be)	µg/L	0.20	5.0	0.20 U	0.20 U	1.2 B	0.30 B	0.21 B	0.59 B	0.20 U		0.20 U	0.20 U
cadmium (Cd)	µg/L	0.30	5.0	9.9	0.30 U	0.90 B	0.36 B	0.30 U	0.30 U	0.30 U		0.30 U	0.30 U
calcium (Ca)	µg/L	15.0	5000.0	13,300	19,700	36,200	8,140	7,350	8,500	15,400		1,900 B	20,800
chromium (Cr)	µg/L	0.80	10.0	0.80 U	0.80 U	0.80 U	0.80 U	2.9 B	0.80 U	0.80 U		12.4	9.4 B
cobalt (Co)	µg/L	0.70	50.0	10.2 B	9.5 B	17.4 B	3.7 B	0.80 B	3.4 B	2.3 B		0.70 U	7.7 B
copper (Cu)	µg/L	1.5	25.0	22.8 B	5.4 B	8.2 B	14.8 B	6.9 B	17.8 B	51.3		3.2 B	9.0 B
iron (Fe)	µg/L	13.0	100.0	120	48,200 J	68.0 B	294 J	1,690 J	176 J	110		201 J	189 J
lead (Pb)	µg/L	1.2	3.0	2.0 B	4.9	2.7 B	34.8	8.5	19.1	93.1		1.5 B	1.3 B
magnesium (Mg)	µg/L	12.0	5000.0	2,300 B	10,100	22,200	2,820 B	3,610 B	4,130 B	5,350		2,020 B	6,300
manganese (Mn)	µg/L	0.20	15.0	30.4	1,770	738	15.6	43.2	90.4	11.3 B		8.1 B	31.6
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 U	0.82	0.10 U	0.10 U	0.10 U	0.10 U		0.10 U	0.10 U
nickel (Ni)	µg/L	1.0	40.0	2.1 B	2.3 B	50.7	8.3 B	2.3 B	11.5 B	3.6 B		11.4 B	34.1 B
potassium (K)	µg/L	40.0	5000.0	2,300 B	3,630	25,900	1,330 B	1,060 B	1,200 B	1,650 B		2,620 B	7,590
selenium (Se)	µg/L	3.0	5.0	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U		3.0 U	3.0 U
silver (Ag)	µg/L	0.80	10.0	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U		0.80 U	0.80 U
sodium (Na)	µg/L	304	5000.0	47,100 J	78,400 J	10,500 J	20,700 J	7,390 J	8,170 J	28,700 J		7,770 J	19,700 J
thallium (Tl)	µg/L	2.4	10.0	2.4 U	4.3 B	2.4 U	2.4 U	2.4 U	2.4 U	2.4 U		2.4 U	2.4 U
vanadium (V)	µg/L	0.70	50.0	1.1 B	0.70 U	0.70 U	1.7 B	0.70 U	0.70 U	0.70 U		0.70 U	0.70 U
zinc (Zn)	µg/L	1.1	20.0	199 J	83.7 J	118 J	75.9 J	69.9 J	72.2 J	178 J		44.0 J	17.8 B
field instrument						ns - dry					ns - dry		
pH	su			4.49	6.23		4.78	5.34	4.85	4.87		5.62	6.02
conductivity	µmhos/cm			2,700	1,040		0.159	0.101	0.129	0.247		0.092	0.321
turbidity	NTU			0.0	4.0		7.0	0.0	0.0	0.0		17.4	17.8
DO	mg/L			1.05	0.55		5.48	5.51	7.25	5.00		8.05	0.30
temperature	°C			13.60	14.90		12.60	11.40	10.70	10.00		15.62	16.21
Eh (ORP)	mV			NM	NM		NM	NM	NM	NM		204	159

boldface: lab analysis positive detection
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J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

Table 4-1
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	LF-2 QC		LF-2	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				11/19/02		11/19/02	10/25/02	10/25/02	10/25/02	10/25/02
metals		IDL	CRDL							
aluminum (Al)	µg/L	57.0	200.0	189.0	B	212.0	56.7 U	56.7 U	119.0	56.7 U
antimony (Sb)	µg/L	1.2	60.0	3.7	U	3.7 U	1.2 U	1.2 U	1.2 U	1.2 U
arsenic (As)	µg/L	3.0	10.0	15.6		17.6	3.0 U	3.0 U	3.0 U	3.0 U
barium (Ba)	µg/L	0.30	200.0	89.5	B	105.0	83.0	B	95.5	B
beryllium (Be)	µg/L	0.20	5.0	0.1	B	0.1	0.21	B	0.37	B
cadmium (Cd)	µg/L	0.30	5.0	0.40 U		0.40 U	0.37	B	0.30 U	0.30 U
calcium (Ca)	µg/L	15.0	5000.0	36,400.0		43,200.0	32,900		3,210	21,600
chromium (Cr)	µg/L	0.80	10.0	3.2	B	3.7	B	0.80 U	0.80 U	0.80 U
cobalt (Co)	µg/L	0.70	50.0	7.0	B	8.3	B	15.5	B	15.1
copper (Cu)	µg/L	1.5	25.0	12.8	BJ	13.3	BJ	10.9	B	9.2
iron (Fe)	µg/L	13.0	100.0	105.0		148.0	212	J	198	J
lead (Pb)	µg/L	1.2	3.0	14.3		17.5	8.0		5.9	38.6
magnesium (Mg)	µg/L	12.0	5000.0	18,700.0		21,900.0	8,620		8,010	7,630
manganese (Mn)	µg/L	0.20	15.0	67.8		88.5	480		469	403
mercury (Hg)	µg/L	0.10	0.2	0.10 UJ		0.10 UJ	0.10 U	0.11	B	0.10 U
nickel (Ni)	µg/L	1.0	40.0	11.9	B	15.4	B	7.6	B	7.5
potassium (K)	µg/L	40.0	5000.0	127,000.0		149,000.0	18,900		16,800	11,700
selenium (Se)	µg/L	3.0	5.0	3.3 U		3.3 U	3.0 U		3.0 U	3.0 U
silver (Ag)	µg/L	0.80	10.0	0.70 U		0.70 U	0.80 U		0.80 U	0.80 U
sodium (Na)	µg/L	304	5000.0	618,000.0	J	679,000.0	J	91,300	J	89,400
thallium (Tl)	µg/L	2.4	10.0	5.1 U		5.1 U	2.4 U		2.4 U	2.4 U
vanadium (V)	µg/L	0.70	50.0	0.70 U		0.70 U	0.70 U		0.70 U	0.70 U
zinc (Zn)	µg/L	1.1	20.0	80.3	J	92.5	J	3,630	J	1,960
field instrument										
pH	su					7.64	6.00	6.00	5.33	5.11
conductivity	µmhos/cm					3.78	0.909	0.909	0.676	0.396
turbidity	NTU					0.3	27.6	27.6	28.3	12.3
DO	mg/L					0.34	1.48	1.48	2.39	3.01
temperature	°C					25.11	17.22	17.22	17.69	17.87
Eh (ORP)	mV					78.0	132	132	190	225

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-2
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells				min. well	max. well	Extraction Wells				min. well	max. well
				no. sampled	no. detected	detected conc. range				no. sampled	no. detected	detected conc. range			
sampling date				Oct-02	Oct-02	Oct-02		Oct-02	Oct-02	Oct-02	Oct-02	Oct-02		Oct-02	Oct-02
VOCs															
dichlorodifluoromethane	µg/L	0.50		24	2	0.16 - 2.6		BP-3B	BP-3C	4	0	-		-	-
chloromethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
vinyl chloride	µg/L	0.50		24	1	1.0		-	BP-3C	4	0	-		-	-
bromomethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
chloroethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
trichlorofluoromethane	µg/L	0.50		24	1	0.38		-	BP-3C	4	1	0.12		-	EXT-3
1,1-dichloroethene	µg/L	0.50		24	2	0.10 - 12		EW-1B	EW-2C	4	2	3.7 - 15		EXT-2	EXT-3
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
acetone	µg/L	5.0		24	1	51		-	EW-5	4	0	-		-	-
carbon disulfide	µg/L	0.50		24	1	0.45		-	MW-6D	4	0	-		-	-
methyl acetate	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
methylene chloride	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
trans-1,2-dichloroethene	µg/L	0.50		24	2	0.14 - 1.0		BP-3C	BP-3B	4	1	0.21		-	EXT-3
tert-butyl methyl ether	µg/L	0.50		24	7	0.13 - 1.6		DW-1	MW-8B	4	4	0.12 - 0.64		EXT-2	EXT-3
1,1-dichloroethane	µg/L	0.50		24	4	0.56 - 1.6		BP-3B	MW-10C	4	4	0.22 - 5.2		EXT-1	EXT-3
cis-1,2-dichloroethene	µg/L	0.50		24	14	0.12 - 25		MW-8B	BP-3C	4	4	5.0 - 19		EXT-1	EXT-3
2-butanone	µg/L	5.0		24	1	-		-	-	4	3	2.7 - 6.7		EXT-1 QC	EXT-2
bromochloromethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
chloroform	µg/L	0.50		24	7	0.16 - 2.2		EW-2B	MW-10C	4	2	0.18 - 0.43		EXT-2	EXT-3
1,1,1-trichloroethane	µg/L	0.50		24	11	0.10 - 22		DW-2	EW-2C,MW10C	4	4	1.2 - 27		EXT-1	EXT-3
cyclohexane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
carbon tetrachloride	µg/L	0.50		24	1	0.21		-	MW-10D	4	0	-		-	-
benzene	µg/L	0.50		24	1	0.43		-	MW-6D	4	2	1.2		EXT-1	EXT-1 QC
1,2-dichloroethane	µg/L	0.50		24	2	2.0 - 4.0		MW-10D	MW-10C	4	0	-		-	-
trichloroethene	µg/L	0.50		24	19	0.23 - 890		EW-3B	EW-4C	4	4	34 - 780		EXT-1	EXT-3
methylcyclohexane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,2-dichloropropane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
bromodichloromethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
cis-1,3-dichloropropene	µg/L	0.50		24	7	0.12 - 7.3		MW-8C	EW-4C	4	0	-		-	-
4-methyl-2-pentanone	µg/L	5.0		24	0	-		-	-	4	0	-		-	-
toluene	µg/L	0.50		24	1	0.87		-	MW-8B	4	0	-		-	-
trans-1,3-dichloropropene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,1,2-trichloroethane	µg/L	0.50		24	0	-		-	-	4	3	0.18 - 0.29		EXT-1	EXT-3
tetrachloroethene	µg/L	0.50		24	22	0.15 - 84		LF2-QC	EW-4A	4	4	19 - 190		EXT-3	EXT-2
2-hexanone	µg/L	5.0		24	0	-		-	-	4	0	-		-	-
dibromochloromethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,2-dibromoethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
chlorobenzene	µg/L	0.50		24	2	0.11 - 0.59		EW-6C	MW-6D	4	1	0.2		-	EXT-1
ethylbenzene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
xlenes (total)	µg/L	0.50		24	0	-		-	-	4	2	0.14 - 0.15		EXT-1 QC	EXT-1
styrene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
bromoform	µg/L	0.50		24	7	0.20 - 6.8		EW-6C, BP3C	EW-5	4	2	0.16 - 0.21		EXT-3	EXT-1
isopropylbenzene	µg/L	0.50		24	1	0.11		-	MW-6D	4	0	-		-	-
1,1,2,2-tetrachloroethane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,3-dichlorobenzene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,4-dichlorobenzene	µg/L	0.50		24	4	0.14 - 0.99		EW-2C	MW-6D	4	2	0.14		EXT-1	EXT-1 QC
1,2-dichlorobenzene	µg/L	0.50		24	2	0.15 - 0.70		EW-1C	MW-6D	4	0	-		-	-
1,2-dibromo-3-chloropropane	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,2,4-trichlorobenzene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-
1,2,3-trichlorobenzene	µg/L	0.50		24	0	-		-	-	4	0	-		-	-

Table 4-2
Claremont Polychemical Superfund Site
October, 2002 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells					Extraction Wells						
				no. sampled	no. detected	detected conc. range		min. well	max. well	no. sampled	no. detected	detected conc. range		min. well	max. well
sampling date				Oct-02	Oct-02	Oct-02		Oct-02	Oct-02	Oct-02	Oct-02	Oct-02		Oct-02	Oct-02
metals		IDL	CRDL												
aluminum	µg/L	57.0	200.0	24	11	68.8 - 212		EW-1B	LF02	4	1	119			EXT-2
antimony	µg/L	1.2	60.0	24	6	1.4 - 3.3		MW-10D	MW-8C	4	0	-		-	-
arsenic	µg/L	3.0	10.0	24	3	15.6 - 44.1		LF02 QC	MW-6D	4	0	-		-	-
barium	µg/L	0.30	200.0	24	24	13 - 596		EW-3B	MW-8B	4	4	80.2 - 95.5		EXT-1 QC	EXT-2
beryllium	µg/L	0.20	5.0	24	12	0.1 - 1.2		LF02, LF02QC	MW-8B	4	3	0.21 - 0.37		EXT-1	EXT-2
cadmium	µg/L	0.30	5.0	24	6	0.32 - 9.9		EW-2C	EW-6C	4	1	0.37			EXT-1
calcium	µg/L	15.0	5000.0	24	24	1,900 - 59,000		BP-3B	EW-1B	4	4	3,210 - 32,900		EXT-1 QC	EXT-1
chromium	µg/L	0.80	10.0	24	6	1.6 - 12.4		EW-2B	BP-3B	4	0	-		-	-
cobalt	µg/L	0.70	50.0	24	21	1.7 - 32.3		EW-1B QC	EW-5	4	4	14.3 - 15.5		EXT-3	EXT-1
copper	µg/L	1.5	25.0	24	23	1.7 - 51.3		EW-3C	MW-10D	4	4	9.2 - 49.5		EXT-1 QC	EXT-3
iron	µg/L	13.0	100.0	24	20	13.7 - 48,200		EW-3C	MW-6D	4	4	123 - 724		EXT-3	EXT-2
lead	µg/L	1.2	3.0	24	15	1.3 - 93.1		BP-3C	MW-10D	4	4	5.9 - 38.6		EXT-1 QC	EXT-2
magnesium	µg/L	12.0	5000.0	24	24	970 - 22,200		EW-3B	MW-8B	4	4	6,010 - 8,620		EXT-3	EXT-1
manganese	µg/L	0.20	15.0	24	24	8.1 - 1,770		BP-3B	MW-6D	4	4	343 - 480		EXT-3	EXT-1
mercury	µg/L	0.10	0.2	24	2	0.15 - 0.82		DW-1	MW-8B	4	1	0.11			EXT-1 QC
nickel	µg/L	1.0	40.0	24	23	1.6 - 50.7		EW-3C	MW-8B	4	3	7.1 - 9.5		EXT-3	EXT-2
potassium	µg/L	40.0	5000.0	24	24	537 - 149,000		EW-3B	LF02	4	4	3,310 - 18,900		EXT-3	EXT-1
selenium	µg/L	3.0	5.0	24	1	3.1			EW-1B	4	0	-		-	-
silver	µg/L	0.80	10.0	24	0	-		-	-	4	0	-		-	-
sodium	µg/L	304	5000.0	24	24	230 - 679,000		EW-3B	LF02	4	4	9,200 - 91,300		EXT-3	EXT-1
thallium	µg/L	2.4	10.0	24	1	4.3			MW-6D	4	0	-		-	-
vanadium	µg/L	0.70	50.0	24	3	1.1 - 1.7		EW-6C	MW-8C	4	0	-		-	-
zinc	µg/L	1.1	20.0	24	21	2.3 - 199		EW-3B	EW-6C	4	4	592 - 3,630		EXT-3	EXT-1
field instrument															
pH	su			22	22	4.49 - 7.64		EW-6C	LF02	4	4	5.11 - 6.00		EXT-3	EXT-1
conductivity	µmhos/cm			22	22	0.066 - 3.78		EW-3B	LF02	4	4	0.396 - 0.909		EXT-3	EXT-1
turbidity	NTU			22	18	0.3 - 23.6		LF02	EW-3B	4	4	12.3 - 28.3		EXT-3	EXT-2
DO	mg/L			22	22	0.32 - 8.89		DW-1	EW-3B	4	4	1.48 - 3.01		EXT-1	EXT-3
temperature	°C			22	22	10.0 - 25.11		MW-10D	LF02	4	4	17.22 - 17.87		EXT-1	EXT-3
Eh (ORP)	mV			22	16	10 - 308		DW-1	EW-4A	4	4	132 - 225		EXT-1	EXT-3

- no results

Table 4-3
Claremont Polychemical Superfund Site
January, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-4A	EW-4B	EW-4C	SW-1
sampling date				1/22/03	1/22/03	1/22/03	Oct-02	1/21/03	1/21/03	1/22/03	1/22/03	1/22/03	Oct-02
				inp	inp	inp		inp	inp	inp	inp	inp	
VOCs							ns - dry						ns - dry
VOC dilution factor				1x	1x	1x		1x	1x	1x	1x	1x	
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.21 J	0.50 U	
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.60	0.50 U	0.50 U	0.50 U	0.50 U	2.70	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R		0.50 R	0.50 R	0.50 R	0.50 R	2.30 J	
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.36 J	
tert-butyl methyl ether	µg/L		0.50	1.30	0.50 U	0.50 U		0.50 U	0.50 U	0.21 J	0.50 U	0.50 U	
1,1-dichloroethane	µg/L		0.50	0.22 J	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.28 J	0.66	
cis-1,2-dichloroethene	µg/L		0.50	0.89	0.50 U	0.50 U		2.10	1.00	1.90	1.20	17.00	
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.17 J	0.50 U	0.50 U	0.50 U	0.18 J	
1,1,1-trichloroethane	µg/L		0.50	0.31 J	0.50 U	0.50 U		3.30	1.60	0.45 J	2.90	9.40	
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.44 J	0.50 U	
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.24 J	0.50 U	0.50 U	0.50 U	0.50 U	
trichloroethene	µg/L		0.50	0.17	0.79	0.28 J		3.40	1.70	1.80 J	61.00 D	990.00 D	
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
tetrachloroethene	µg/L		0.50	100.00 D	1.70	0.54		4.80	2.40	70.00 D	4.90	17.00	
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	0.24 J	5.0 U	5.0 U	
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.14 J	0.50 U	0.50 U	0.50 U	
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.20 J		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	

Table 4-3
Claremont Polychemical Superfund Site
January, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	DW-1	SW-2	DW-2	DW-2QC	EW-5	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				1/21/03	Oct-02	1/21/03	1/21/03	1/21/03	1/28/03	1/28/03	1/28/03	1/28/03
				inp		inp	inp	inp	inp	inp	inp	inp
VOCs					ns - dry							
VOC dilution factor				1x		1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
chloromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
vinyl chloride	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
bromomethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
chloroethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
trichlorofluoromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,1-dichloroethene	µg/L	0.50	0.50	U		0.50	U	0.74	U	0.50	U	0.50
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
acetone	µg/L	5.0	5.0	U		5.0	U	5.0	U	5.0	U	5.0
carbon disulfide	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
methyl acetate	µg/L	0.50	0.50	R		0.50	R	0.50	R	0.50	R	0.50
methylene chloride	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
trans-1,2-dichloroethene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
tert-butyl methyl ether	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.21	J	0.23
1,1-dichloroethane	µg/L	0.50	0.50	U		0.50	U	1.00	J	0.28	J	0.30
cis-1,2-dichloroethene	µg/L	0.50	0.50	U		0.50	U	5.00	J	4.30	J	7.60
2-butanone	µg/L	5.0	5.0	U		5.0	U	5.0	U	5.0	U	5.0
bromochloromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
chloroform	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,1,1-trichloroethane	µg/L	0.50	0.50	U		0.50	U	2.10	J	1.50	J	6.10
cyclohexane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
carbon tetrachloride	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
benzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,2-dichloroethane	µg/L	0.50	0.50	U		0.50	U	2.70	J	0.50	U	0.50
trichloroethene	µg/L	0.50	0.34	J		0.42	J	0.53	J	53.00	D	38.00
methylcyclohexane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,2-dichloropropane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
bromodichloromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
cis-1,3-dichloropropene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
4-methyl-2-pentanone	µg/L	5.0	5.0	U		5.0	U	5.0	U	5.0	U	5.0
toluene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
trans-1,3-dichloropropene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,1,2-trichloroethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.27	J	0.50
tetrachloroethene	µg/L	0.50	0.38	J		0.21	J	0.31	J	160.00	D	110.00
2-hexanone	µg/L	5.0	0.34	J		5.0	U	5.0	U	0.55	J	5.0
dibromochloromethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,2-dibromoethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
chlorobenzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.16	J	0.50
ethylbenzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
xylenes (total)	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
styrene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
bromoform	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
isopropylbenzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,1,2,2-tetrachloroethane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,3-dichlorobenzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,4-dichlorobenzene	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.18	J	0.16
1,2-dichlorobenzene	µg/L	0.50	0.50	U		0.50	U	0.16	J	0.50	U	0.50
1,2-dibromo-3-chloropropane	µg/L	0.50	0.50	U		0.50	U	0.50	U	0.50	U	0.50
1,2,4-trichlorobenzene	µg/L	0.50	0.19	J		0.50	U	0.35	J	0.50	U	0.50
1,2,3-trichlorobenzene	µg/L	0.50	0.50	U		0.50	U	0.39	J	0.50	U	0.50

Table 4-3
Claremont Polychemical Superfund Site
January, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-4A	EW-4B	EW-4C	SW-1
sampling date				1/22/03	1/22/03	1/22/03	Oct-02	1/21/03	1/21/03	1/22/03	1/22/03	1/22/03	Oct-02
				inp	inp	inp		inp	inp	inp	inp	inp	
metals		IDL	CRDL				ns - dry						ns - dry
aluminum (Al)	µg/L	21.0	200.0	104.0 B	68.0 B	74.6 B		44.3 B	73.8 B	52.6 B	51.0 B	40.6 B	
antimony (Sb)	µg/L	2.3	60.0	2.3 U	2.3 U	2.3 U		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	
arsenic (As)	µg/L	4.8	10.0	4.8 U	4.8 U	4.8 U		4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	
barium (Ba)	µg/L	0.60	200.0	65.2 B	39.1 B	84.5 B		66.4 B	88.0 B	77.4 B	47.1 B	60.3 B	
beryllium (Be)	µg/L	0.10	5.0	0.13 B	0.10 U	0.21 B		0.30 B	0.62 B	0.13 B	0.25 B	0.10 U	
cadmium (Cd)	µg/L	0.30	5.0	0.30 U	0.30 U	0.30 U		0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	
calcium (Ca)	µg/L	64.0	5000.0	19,900.0	48,500.0	44,900.0		14,200.0	13,900.0	8,000.0	9,570.0	10,600.0	
chromium (Cr)	µg/L	0.60	10.0	0.60 U	0.60 U	0.60 U		0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	
cobalt (Co)	µg/L	1.0	50.0	7.9 B	1.1 B	44.2 B		12.4 B	8.1 B	29.0 B	4.4 B	2.0 B	
copper (Cu)	µg/L	0.60	25.0	5.7 B	1.3 B	3.8 B		21.0 B	5.3 B	5.1 B	2.1 B	2.3 B	
iron (Fe)	µg/L	19.0	100.0	53.8 B	262.0	30.7 B		18.7 U	18.7 U	20.5 B	18.7 U	18.7 U	
lead (Pb)	µg/L	2.2	3.0	2.2 U	2.2 U	2.2 U		2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	
magnesium (Mg)	µg/L	22.0	5000.0	5,490.0	6,680.0	8,850.0		6,860.0	5,040.0	9,390.0	2,650.0 B	2,330.0 B	
manganese (Mn)	µg/L	0.20	15.0	1,070.0	286.0	717.0		296.0	167.0	771.0	129.0	38.1	
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 U	0.10 U		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	
nickel (Ni)	µg/L	1.1	40.0	8.4 B	5.8 B	6.4 B		38.5 B	9.7 B	3.8 B	4.5 B	4.4 B	
potassium (K)	µg/L	22.0	5000.0	8,610.0 J	12,100.0 J	19,900.0 J		3,170.0 B	5,040.0 J	3,760.0 B	5,290.0 J	5,530.0 J	
selenium (Se)	µg/L	4.8	5.0	4.8 U	4.8 U	4.8 U		4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	
silver (Ag)	µg/L	0.60	10.0	0.60 U	0.60 U	0.60 U		2.0 B	0.60 U	0.60 U	0.60 U	0.60 U	
sodium (Na)	µg/L	200	5000.0	21,200.0	936.0	78,600.0		53,500.0	37,900.0	23,100.0	8,440.0	11,200.0	
thallium (Tl)	µg/L	4.7	10.0	4.7 U	4.7 U	4.7 U		4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	
vanadium (V)	µg/L	0.50	50.0	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	
zinc (Zn)	µg/L	1.4	20.0	15.3 B	5.2 B	20.4		76.1	27.1	8.0 B	12.4 B	11.2 B	
field instrument							ns - dry						ns - dry
pH	su			5.0	6.51	5.45		4.97	4.83	4.86	5.26	5.41	
conductivity	mmhos/cm			0.3	0.821	0.821		0.427	0.332	0.250	0.123	0.147	
turbidity	NTU			22.1	6.6	8.9		8.6	10.9	19.7	10.0	60.2	
DO	mg/L			5.3	0.00	0.00		3.73	3.15	2.45	4.49	4.84	
temperature	°C			14.1	16.73	16.26		14.35	17.03	15.64	15.79	16.67	
Eh (ORP)	mV			255	125	154		248	269	233	224	224	

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-3
Claremont Polychemical Superfund Site
January, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	DW-1	SW-2	DW-2	DW-2QC	EW-5	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				1/21/03	Oct-02	1/21/03	1/21/03	1/21/03	1/28/03	1/28/03	1/28/03	1/28/03
				inp		inp	inp	inp	inp	inp	inp	inp
metals		IDL	CRDL		ns - dry							
aluminum (Al)	µg/L	21.0	200.0	21.4 U		161.0 B	159.0 B	40.4 B	55.1 B	52.6 B	73.3 B	52.6 B
antimony (Sb)	µg/L	2.3	60.0	2.3 U		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
arsenic (As)	µg/L	4.8	10.0	4.8 U		4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
barium (Ba)	µg/L	0.60	200.0	40.9 B		77.8 B	79.3 B	112.0 B	80.3 B	78.7 B	98.0 B	87.1 B
beryllium (Be)	µg/L	0.10	5.0	0.10 U		0.65 B	0.64 B	0.34 B	0.23 B	0.18 B	0.32 B	0.32 B
cadmium (Cd)	µg/L	0.30	5.0	0.30 U		0.30 U	0.30 U	0.35 B	0.30 U	0.30 U	0.30 U	0.30 U
calcium (Ca)	µg/L	64.0	5000.0	21,300.0		37,200.0	37,900.0	35,500.0	33,800.0	33,200.0	24,400.0	14,100.0
chromium (Cr)	µg/L	0.60	10.0	0.60 U		0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
cobalt (Co)	µg/L	1.0	50.0	1.0 B		6.2 B	6.3 B	31.0 B	15.7 B	15.0 B	14.7 B	16.1 B
copper (Cu)	µg/L	0.60	25.0	0.7 B		6.2 B	5.8 B	2.6 B	7.6 B	8.1 B	39.4 J	17.0 B
iron (Fe)	µg/L	19.0	100.0	44.3		18.7 U	18.7 U	18.7 U	118.0	106.0	702.0	250.0
lead (Pb)	µg/L	2.2	3.0	2.2 U		2.2 U	2.2 U	2.2 U	3.1	3.0	14.1	11.4
magnesium (Mg)	µg/L	22.0	5000.0	2,650.0 B		7,940.0	8,110.0	14,300.0	8,610.0	8,470.0	8,110.0	5,910.0
manganese (Mn)	µg/L	0.20	15.0	513.0		89.4	90.8	772.0	490.0	486.0	410.0	366.0
mercury (Hg)	µg/L	0.10	0.2	0.10 U		0.10 U	0.10 U	0.10 U	0.10 B	0.10 U	0.11 B	0.10 U
nickel (Ni)	µg/L	1.1	40.0	1.1 U		5.3 B	6.1 B	23.0 B	8.3 B	7.3 B	9.1 B	7.9 B
potassium (K)	µg/L	22.0	5000.0	9,050.0 J		12,000.0 J	12,200.0 J	15,500.0 J	16,200.0	15,800.0	10,400.0	9,580.0
selenium (Se)	µg/L	4.8	5.0	4.8 U		4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U	4.8 U
silver (Ag)	µg/L	0.60	10.0	0.60 U		0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
sodium (Na)	µg/L	200	5000.0	84,700.0		135,000.0	139,000.0	58,400.0	104,000.0	102,000.0	73,800.0	25,500.0
thallium (Tl)	µg/L	4.7	10.0	4.7 U		4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U
vanadium (V)	µg/L	0.50	50.0	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
zinc (Zn)	µg/L	1.4	20.0	1.4 U		9.0 B	9.2 B	33.8	606.0	574.0	1,920.0	124.0
field instrument					ns - dry							
pH	su			6.23		5.06		5.58	5.90		5.48	5.40
conductivity	mmhos/cm			0.621		1.050		0.705	0.827		0.638	0.312
turbidity	NTU			8.5		11.4		12.5	0.7		8.5	18.1
DO	mg/L			0.00		0.00		0.00	0.50		1.02	1.72
temperature	°C			16.52		17.57		17.03	18.36		12.62	11.14
Eh (ORP)	mV			-16		224		211	105		139	184

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UU: estimated not detected

Table 4-4
Claremont Polychemical Superfund Site
January 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min.	detected max	min. well	max. well	no. sampled	no. detected	detected min.	detected max	min. well	max. well
sampling date				Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03
VOCs															
dichlorodifluoromethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
chloromethane	µg/L		0.50	12	0	-	-	-	-	4	1	-	0.18	-	EXT-2
vinyl chloride	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
bromomethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
chloroethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
trichlorofluoromethane	µg/L		0.50	12	1	-	0.21	-	EW-4B	4	0	-	-	-	-
1,1-dichloroethene	µg/L		0.50	12	3	0.74	2.7	EW-5	EW-4C	4	2	3.3	3.8	EXT-2	EXT-3
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
acetone	µg/L		5.0	12	0	-	-	-	-	4	0	-	-	-	-
carbon disulfide	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
methyl acetate	µg/L		0.50	12	1	-	2.3	-	EW-4C	4	0	-	-	-	-
methylene chloride	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
trans-1,2-dichloroethene	µg/L		0.50	12	1	-	0.36	-	EW-4C	4	1	-	0.16	-	EXT-3
tert-butyl methyl ether	µg/L		0.50	12	2	0.21	1.3	EW-4A	EW-1A	4	4	0.2	0.67	EXT-2	EXT-3
1,1-dichloroethane	µg/L		0.50	12	4	0.22	1	EW-1A	EW-5	4	4	0.28	3.8	EXT-3	EXT-1
cis-1,2-dichloroethene	µg/L		0.50	12	7	0.89	17	EW-1A	EW-4C	4	4	4.3	23	EXT-1, 1QC	EXT-3
2-butanone	µg/L		5.0	12	0	-	-	-	-	4	0	-	-	-	-
bromochloromethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
chloroform	µg/L		0.50	12	2	0.17	0.18	EW-2B	EW-4C	4	1	-	0.38	-	EXT-3
1,1,1-trichloroethane	µg/L		0.50	12	7	0.31	9.4	EW-1A	EW-4C	4	4	1.4	21	EXT-1 QC	EXT-3
cyclohexane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
carbon tetrachloride	µg/L		0.50	12	1	-	0.44	-	EW-4B	4	1	-	0.85	-	EXT-2
benzene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,2-dichloroethane	µg/L		0.50	12	2	0.24	2.7	EW-2B	EW-5	4	1	-	0.79	-	EXT-3
trichloroethene	µg/L		0.50	12	12	0.17	990	EW-1A	EW-4C	4	4	38	1500	EXT-1 QC	EXT-3
methylcyclohexane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,2-dichloropropane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
bromodichloromethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
cis-1,3-dichloropropene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
4-methyl-2-pentanone	µg/L		5.0	12	0	-	-	-	-	4	0	-	-	-	-
toluene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
trans-1,3-dichloropropene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,1,2-trichloroethane	µg/L		0.50	12	0	-	-	-	-	4	2	0.27	0.41	EXT-1	EXT-3
tetrachloroethene	µg/L		0.50	12	12	0.21	100	DW-2	EW-1A	4	4	16	170	EXT-3	EXT-2
2-hexanone	µg/L		5.0	12	2	0.24	0.34	EW-4A	DW-1	4	1	-	0.55	-	EXT-1
dibromochloromethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,2-dibromoethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
chlorobenzene	µg/L		0.50	12	0	-	-	-	-	4	1	-	0.2	-	EXT-1
ethylbenzene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
xylene (total)	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
styrene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
bromoform	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
isopropylbenzene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,1,2,2-tetrachloroethane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,3-dichlorobenzene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,4-dichlorobenzene	µg/L		0.50	12	1	-	0.14	-	EW-2C	4	2	0.16	0.18	EXT-1 QC	EXT-1
1,2-dichlorobenzene	µg/L		0.50	12	2	0.16	0.2	DW-2QC	EW-1C	4	0	-	-	-	-
1,2-dibromo-3-chloropropane	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-
1,2,4-trichlorobenzene	µg/L		0.50	12	2	0.19	0.35	DW-1	DW-2QC	4	0	-	-	-	-
1,2,3-trichlorobenzene	µg/L		0.50	12	0	-	-	-	-	4	0	-	-	-	-

Table 4-4
Claremont Polychemical Superfund Site
January 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min.	detected max	min. well	max. well	no. sampled	no. detected	detected min.	detected max	min. well	max. well
sampling date				Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03	Jan. 03
metals		IDL	CRDL												
aluminum	µg/L	21.0	200.0	12	11	40.4	161.0	EW-5	DW-2	4	4	52.6	73.3	EXT-1QC,EXT-3	EXT-2
antimony	µg/L	2.3	60.0	12	0	-	-	-	-	4	0	-	-	-	-
arsenic	µg/L	4.8	10.0	12	0	-	-	-	-	4	0	-	-	-	-
barium	µg/L	0.60	200.0	12	12	39.1	112.0	EW-1B	EW-5	4	4	78.7	98.0	EXT-1 QC	EXT-2
beryllium	µg/L	0.10	5.0	12	9	0.13	0.65	EW-4A	DW-2	4	4	0.18	0.32	EXT-1 QC	
cadmium	µg/L	0.30	5.0	12	0	-	-	-	-	4	0	-	-	-	-
calcium	µg/L	64.0	5000.0	12	12	9,570.0	48,500.0	EW-4B	EW-1B	4	4	14,100.0	33,800.0	EXT-3	EXT-1
chromium	µg/L	0.60	10.0	12	0	-	-	-	-	4	0	-	-	-	-
cobalt	µg/L	1.0	50.0	12	12	1.0	44.2	DW-1	EW-1C	4	4	14.7	16.1	EXT-2	EXT-3
copper	µg/L	0.60	25.0	12	12	0.7	21.0	DW-1	EW-2B	4	4	7.6	39.4	EXT-1	EXT-2
iron	µg/L	19.0	100.0	12	5	20.5	262.0	EW-4A	EW-1B	4	4	106.0	702.0	EXT-1 QC	EXT-2
lead	µg/L	2.2	3.0	12	0	-	-	-	-	4	4	3.0	14.1	EXT-1 QC	EXT-2
magnesium	µg/L	22.0	5000.0	12	12	2,330.0	14,300.0	EW-4C	EW-5	4	4	5,910.0	8,610.0	EXT-3	EXT-1
manganese	µg/L	0.20	15.0	12	12	38.1	1,070.0	EW-4C	EW-1A	4	4	366.0	490	EXT-3	EXT-1
mercury	µg/L	0.10	0.2	12	0	-	-	-	-	4	2	0.10	0.11	EXT-1	EXT-2
nickel	µg/L	1.1	40.0	12	11	3.8	38.5	EW-4A	EW-2B	4	4	7.3	9.1	EXT-1 QC	EXT-2
potassium	µg/L	22.0	5000.0	12	12	3,170.0	19,900.0	EW-2B	EW-1C	4	4	9,580.0	16,200.0	EXT-3	EXT-1
selenium	µg/L	4.8	5.0	12	0	-	-	-	-	4	0	-	-	-	-
silver	µg/L	0.60	10.0	12	1	-	2.0	-	EW-2B	4	0	-	-	-	-
sodium	µg/L	200	5000.0	12	12	936.0	139,000.0	EW-1B	DW2-QC	4	4	25,500.0	104,000.0	EXT-3	EXT-1
thallium	µg/L	4.7	10.0	12	0	-	-	-	-	4	0	-	-	-	-
vanadium	µg/L	0.50	50.0	12	0	-	-	-	-	4	0	-	-	-	-
zinc	µg/L	1.4	20.0	12	11	8.0	76.1	EW-4A	EW-2B	4	4	124.0	1,920.0	EXT-3	EXT-2
field instrument															
pH	su			11	11	4.83	6.51	EW-2C	EW-1B	3	3	5.40	5.90	EXT-3	EXT-1
conductivity	µmhos/cm			11	11	0.123	1.050	EW-4B	DW-2	3	3	0.312	0.827	EXT-3	EXT-1
turbidity	NTU			11	11	6.6	60.2	EW-1B	EW-4C	3	3	0.7	18.1	EXT-1	EXT-3
DO	mg/L			11	6	2.45	5.3	EW-4A	EW-1A	3	3	0.50	1.72	EXT-1	EXT-3
temperature	°C			11	11	14.1	17.57	EW-1A	DW-2	3	3	11.14	18.36	EXT-3	EXT-1
Eh (ORP)	mV			11	11	-16	255	DW-1	EW-1A	3	3	105	184	EXT-1	EXT-3

- no results

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1A-QC	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3BQC
sampling date				4/16/03	4/16/03	4/16/03	4/16/03	Oct-02	4/15/03	4/15/03	Oct-02	4/15/03	4/15/03
				inp	inp	inp	inp		inp	inp		inp	inp
VOCs								ns - dry			ns - dry		
VOC dilution factor				1x	1x	1x	1x		1x	1x		1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.30 J	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	11.00		0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R		0.50 R	0.50 R		0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.25 J	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	1.90	1.80	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.34 J	0.32 J	0.50 U	0.50 U		0.50 U	2.10		0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L		0.50	1.00	1.00	0.50 U	0.50 U		1.80	15.00		0.50 U	0.50 U
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.43 J		0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	0.63	0.64	0.50 U	0.50 U		2.20	23.00		0.50 U	0.50 U
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.21 J	0.50 U	0.090 J	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trichloroethene	µg/L		0.50	2.20	2.20	0.51	0.27 J		2.30	20.00		0.31 J	0.22 J
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	0.50 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	170.00 D	180.00 D	1.60	0.71		4.10	4.20		0.26 J	0.21 J
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-3C	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	
sampling date				4/15/03	4/16/03	4/16/03	4/16/03	Oct-02	4/16/03	Oct-02	4/15/03	4/15/03	4/16/03	
				inp	inp	inp	inp		inp		inp	inp	inp	
VOCs								ns - dry		ns - dry				
VOC dilution factor				1x	1x	1x	1x		1x		1x	1x	1x	
dichlorodifluoromethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 UJ		0.50 U	0.50 U	0.50 U	
chloromethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.28 J	0.50 U		0.50 U		0.50 U	0.50 U	0.19 J	
vinyl chloride	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
bromomethane	µg/L	0.50	0.50	0.50 UJ	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chloroethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
trichlorofluoromethane	µg/L	0.50	0.50	0.50 U	0.31 J	0.28 J	0.50 U		0.50 U		0.50 U	0.50 U	0.16 J	
1,1-dichloroethene	µg/L	0.50	12.00		0.48 J	1.40	4.00		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50	1.50		0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
acetone	µg/L	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U		0.50 U		0.50 U	0.50 U	5.0 U	
carbon disulfide	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
methyl acetate	µg/L	0.50	0.50	0.50 R	0.50 R	0.50 R	0.50 R		0.50 R		0.50 R	0.50 R	0.50 R	
methylene chloride	µg/L	0.50	0.50	0.50 UJ	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
trans-1,2-dichloroethene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.57 J		0.50 U		0.50 U	0.50 U	0.50 U	
tert-butyl methyl ether	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 UJ	0.50 U		0.50 U		0.50 U	0.50 U	0.50 UJ	
1,1-dichloroethane	µg/L	0.50	0.86		0.50 U	0.41 J	1.10		0.50 U		0.50 U	1.70	0.50 U	
cis-1,2-dichloroethene	µg/L	0.50	6.70	J	1.80	1.50	24.00		0.50 U		0.50 U	8.80	0.068 J	
2-butanone	µg/L	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
bromochloromethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chloroform	µg/L	0.50	0.77		0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,1-trichloroethane	µg/L	0.50	15.00		0.50 U	4.40	15.00		0.50 U		0.50 U	2.60	0.50 U	
cyclohexane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
carbon tetrachloride	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
benzene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichloroethane	µg/L	0.50	2.00		0.50 U	0.50 U	0.50 U		0.50 U		0.090 J	4.00	0.50 U	
trichloroethene	µg/L	0.50	160.00	D	2.00	48.00	D	380.00	J	0.19 J	0.40 J	180.00	D	0.17 J
methylcyclohexane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichloropropane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.098 J	0.50 U	
bromodichloromethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
cis-1,3-dichloropropene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
4-methyl-2-pentanone	µg/L	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
toluene	µg/L	0.50	0.051	J	0.50 U	0.50 U	0.50 U		0.50 U		0.10 J	0.50 U	0.50 U	
trans-1,3-dichloropropene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,2-trichloroethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
tetrachloroethene	µg/L	0.50	17.00	J	59.00	D	7.50	23.00		0.50 U	0.59	0.27	1.00	
2-hexanone	µg/L	5.0	5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
dibromochloromethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dibromoethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chlorobenzene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
ethylbenzene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
xylenes (total)	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
styrene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
bromoform	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
isopropylbenzene	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,2,2-tetrachloroethane	µg/L	0.50	0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,3-dichlorobenzene	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,4-dichlorobenzene	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichlorobenzene	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dibromo-3-chloropropane	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2,4-trichlorobenzene	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2,3-trichlorobenzene	µg/L	0.50	0.50	0.50 R	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6B	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B
sampling date				abandoned	4/16/03	4/16/03	4/16/03	4/16/03	4/15/03	4/15/03	4/15/03	4/14/03	4/14/03
VOCs					inp	inp	inp	inp	inp	inp	inp	inp	inp
VOC dilution factor					1x	1x	1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.25 J
chloromethane	µg/L	0.50			0.29 J	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L	0.50			0.15 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L	5.0			5.0 U	5.0 R	0.50 U	0.50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L	0.50			0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	0.50			0.50 U	0.50 U	0.17 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.45 J
tert-butyl methyl ether	µg/L	0.50			0.50 U	0.50 U	2.60 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.37 J	0.71 J	0.50 U	0.50 U	0.84 J
cis-1,2-dichloroethene	µg/L	0.50			0.50 U	0.50 R	0.24 J	0.50 U	1.90 J	7.10 J	1.90 J	0.50 U	33.00 D
2-butanone	µg/L	5.0			5.0 U	5.0 R	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.50 U	5.0 U
bromochloromethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.59 J	1.30 J	0.45 J	1.10 J	0.31 J
1,1,1-trichloroethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	2.30 J	4.10 J	0.50 U	0.50 U	0.44 J
cyclohexane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.38 J	0.50 U	0.50 U
benzene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L	0.50			0.50 U	0.50 U	0.092 J	0.50 U	0.50 U	3.40 J	1.90 J	0.50 U	0.066 J
trichloroethene	µg/L	0.50			0.21 J	0.50 J	0.96 J	0.10 J	4.20 J	4.90 J	3.20 D	0.50 U	6.70 J
methylcyclohexane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L	5.0			5.0 U	5.0 R	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	0.50			0.17 J	0.11 J	0.085 J	0.053 J	0.50 U	0.079 J	0.083 J	0.50 U	0.082 J
trans-1,3-dichloropropene	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L	0.50			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	0.50			0.50 U	0.26 J	0.37 J	0.29 J	2.80 J	4.80 J	0.68 J	0.50 U	41.00 D
2-hexanone	µg/L	5.0			5.0 U	5.0 R	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	0.50			0.50 U	1.10 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L	0.50			0.50 U	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L	0.50			0.50 U	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L	0.50			0.50 U	1.20 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L	0.50			0.50 U	1.00 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L	0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	BP-3C	LF-2	WT-1	RW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				4/14/03	4/15/03	4/17/03	4/17/03	4/24/04	4/24/04	4/24/04	4/24/04
VOCs				inp	inp	inp	inp	inp	inp	inp	inp
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x	5x
dichlorodifluoromethane	µg/L	0.50	19.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chloromethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.21 J	0.35 J	0.50 U	0.50 U	0.50 U	3.0 U
vinyl chloride	µg/L	0.50	3.40	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromomethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chloroethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
trichlorofluoromethane	µg/L	0.50	3.30	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1-dichloroethene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	4.60	2.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50	5.10	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
acetone	µg/L	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U
carbon disulfide	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
methyl acetate	µg/L	0.50	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	2.5 R
methylene chloride	µg/L	0.50	2.70	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
trans-1,2-dichloroethene	µg/L	0.50	1.20	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
tert-butyl methyl ether	µg/L	0.50	0.50 U	2.60	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.37 J	2.5 U
1,1-dichloroethane	µg/L	0.50	8.30	0.50 U	0.50 U	0.50 U	0.50 U	0.71	0.80	1.90	4.70
cis-1,2-dichloroethene	µg/L	0.50	200.00 D	0.18 J	0.73	1.90	4.50	4.50	6.50	19.00	
2-butanone	µg/L	5.0	5.0 U	1.50 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U
bromochloromethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chloroform	µg/L	0.50	0.89	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1,1-trichloroethane	µg/L	0.50	4.30	0.50 U	0.50 U	0.50 U	0.50 U	2.90	2.80	8.60	18.00
cyclohexane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
carbon tetrachloride	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
benzene	µg/L	0.50	0.35 J	0.50 U	0.50 U	0.50 U	0.50 U	0.14 J	0.50 U	0.50 U	2.5 U
1,2-dichloroethane	µg/L	0.50	0.62	0.50 U	0.19 J	0.50 U	0.12 J	0.14 J	0.30 J	0.83 J	
trichloroethene	µg/L	0.50	16.00	0.50 U	1.40	1.40	37.00 D	26.00 D	60.00 D	580.00 D	
methylcyclohexane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.69	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dichloropropane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromodichloromethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
cis-1,3-dichloropropene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
4-methyl-2-pentanone	µg/L	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U
toluene	µg/L	0.50	0.073 J	0.15 J	0.10 J	0.056 J	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
trans-1,3-dichloropropene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1,2-trichloroethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
tetrachloroethene	µg/L	0.50	2.40	0.50 U	0.41 J	0.27 J	120.00 D	74.00 D	74.00 D	14.00	
2-hexanone	µg/L	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U
dibromochloromethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dibromoethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chlorobenzene	µg/L	0.50	0.50 U	2.20	0.50 U	0.50 U	0.50 U	0.20 J	0.50 U	0.50 U	2.5 U
ethylbenzene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.051 J	0.50 U	0.50 U	0.50 U	2.5 U
xylenes (total)	µg/L	0.50	0.50 U	0.51 U	0.40 J	0.18 J	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
styrene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromotorm	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
isopropylbenzene	µg/L	0.50	0.50 U	4.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1,2,2-tetrachloroethane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,3-dichlorobenzene	µg/L	0.50	0.50 U	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,4-dichlorobenzene	µg/L	0.50	0.50 U	2.80	0.50 U	0.50 U	0.24 J	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dichlorobenzene	µg/L	0.50	0.50 U	1.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dibromo-3-chloropropane	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2,4-trichlorobenzene	µg/L	0.50	0.50 U	0.20 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2,3-trichlorobenzene	µg/L	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1A-QC	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3BQC
sampling date				4/16/03	4/16/03	4/16/03	4/16/03	Oct-02	4/15/03	4/15/03	Oct-02	4/15/03	4/15/03
				inp	inp	inp	inp		inp	inp		inp	inp
metals		IDL	CRDL					ns - dry			ns - dry		
aluminum (Al)	µg/L	41.0	200.0	40.9 U	40.9 U	40.9 U	40.9 U		40.9 U	40.9 U		64.1 B	48.3 B
antimony (Sb)	µg/L	2.5	60.0	2.5 U	2.5 U	2.5 U	2.5 U		2.5 U	2.5 U		2.5 U	2.5 U
arsenic (As)	µg/L	2.2	10.0	2.2 U	2.2 U	2.2 U	2.2 U		2.2 U	2.2 U		2.2 U	2.2 U
barium (Ba)	µg/L	0.20	200.0	80.7 B	77.3 B	60 B	83.1 B		23.1 B	77.2 B		14.3 B	14.5 B
beryllium (Be)	µg/L	0.20	5.0	0.20 U	0.20 U	0.20 U	0.20 U		0.20 U	0.43 B		0.20 U	0.20 U
cadmium (Cd)	µg/L	0.20	5.0	0.20 U	0.77 B	0.20 U	0.20 U		0.20 U	0.20 U		0.20 U	0.20 U
calcium (Ca)	µg/L	16.0	5000.0	20,200.0 J	20,000.0 J	69,200.0 J	44,700.0 J		4,580.0 B	12,200.0 J		3,190.0 B	3,310.0 B
chromium (Cr)	µg/L	0.60	10.0	0.60 U	0.60 U	0.60 U	0.60 U		0.60 U	0.60 U		0.60 U	0.60 U
cobalt (Co)	µg/L	0.70	50.0	10.0 B	9.6 B	1.6 B	42.7 B		2.7 B	5.0 B		0.70 U	0.70 U
copper (Cu)	µg/L	1.6	25.0	6.2 B	7.0 B	38.7	4.0 B		10.5 B	10.9 B		2.6 B	2.7 B
iron (Fe)	µg/L	14.0	100.0	19.9 B	51.4 B	14.2 U	174.0		42.0 B	14.2 U		152.0	125.0
lead (Pb)	µg/L	1.4	3.0	2.1 B	1.6 B	61.4	2.3 B		2.2 B	2.5 B		1.4 U	1.8 B
magnesium (Mg)	µg/L	8.7	5000.0	5,870.0	5,710.0	9,480.0	8,690.0		1,580.0 B	4,520.0 B		1,080.0 B	1,140.0 B
manganese (Mn)	µg/L	0.20	15.0	1,150.0	1,050.0	394.0	737.0		20.7	119.0		21.1	22.9
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 U	0.10 U	0.10 U		0.10 U	0.10 U		0.10 U	0.10 U
nickel (Ni)	µg/L	1.2	40.0	9.5 B	8.9 B	7.1 B	9.0 B		6.2 B	8.5 B		1.9 B	2.0 B
potassium (K)	µg/L	29.0	5000.0	6,530.0	6,390.0	14,700.0	18,600.0		1,270.0 B	3,730.0 B		543.0 B	526.0 B
selenium (Se)	µg/L	2.3	5.0	2.3 U	2.3 U	2.3 U	3.3 B		2.3 U	2.3 U		2.3 U	2.3 U
silver (Ag)	µg/L	0.90	10.0	0.90 U	0.90 U	0.90 U	0.90 U		2.2 B	0.90 U		0.90 U	0.90 U
sodium (Na)	µg/L	304	5000.0	18,800.0 J	18,600.0 J	110,000.0 J	76,500.0 J		12,700.0 J	35,600.0 J		4,800.0 B	4,670.0 B
thallium (Tl)	µg/L	2.9	10.0	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ		2.9 UJ	2.9 UJ		2.9 UJ	2.9 UJ
vanadium (V)	µg/L	0.80	50.0	0.80 U	1.2 B	0.80 U	1.1 B		0.80 U	0.80 U		0.80 U	0.80 U
zinc (Zn)	µg/L	1.5	20.0	16.9 BJ	17.9 BJ	49.2 J	17.3 BJ		75.4 J	44.9 J		6.3 BJ	6.9 BJ
field instrument								ns - dry			ns - dry		
pH	su			5.02		6.63	5.60		5.20	4.85		5.23	
conductivity	mmhos/cm			0.327		1.190	0.935		0.108	0.346		0.037	
turbidity	NTU			-2.4 R		-5.1 R	-3.1 R		2.2	10.3		26.7	
DO	mg/L			6.33		0.00	0.00		3.88	4.42		7.54	
temperature	°C			18.51		19.35	19.73		17.14	17.09		16.19	
Eh (ORP)	mV			294.0		126	139		220	258		249	

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-3C	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A
sampling date				4/15/03	4/16/03	4/16/03	4/16/03	Oct-02	4/16/03	Oct-02	4/15/03	4/15/03	4/16/03
				inp	inp	inp	inp		inp		inp	inp	inp
metals		IDL	CRDL					ns - dry		ns - dry			
aluminum (Al)	µg/L	41.0	200.0	40.9 U	40.9 U	40.9 U	40.9 U		40.9 U		62.2 B	40.9 U	8,090.0
antimony (Sb)	µg/L	2.5	60.0	2.5 U	2.5 U	2.5 U	2.5 U		2.5 U		2.5 U	2.5 U	2.5 U
arsenic (As)	µg/L	2.2	10.0	2.2 U	2.2 U	2.2 U	2.2 U		2.2 U		2.2 U	2.2 U	22.9
barium (Ba)	µg/L	0.20	200.0	48.7 B	110.0 B	50.4 B	66.6 B		39.5 B		99.5 B	121.0 B	176.0 B
beryllium (Be)	µg/L	0.20	5.0	0.20 U	0.39 B	0.29 B	0.20 U		0.20 U		0.30 B	0.29 B	1.8 B
cadmium (Cd)	µg/L	0.20	5.0	0.20 U	0.20 U	0.20 U	0.20 U		0.20 U		0.28 B	0.38 B	10.5
calcium (Ca)	µg/L	16.0	5000.0	6,930.0 J	11,600.0	9,640.0	10,900.0		23,100.0		35,500.0 J	38,400.0 J	34,800.0
chromium (Cr)	µg/L	0.60	10.0	0.60 U	0.60 U	0.60 U	0.60 U		0.60 U		0.60 U	0.60 U	23.1
cobalt (Co)	µg/L	0.70	50.0	0.70 U	39.6 B	3.0 B	1.9 B		0.7 U		6.2 B	31.6 B	20.5 B
copper (Cu)	µg/L	1.6	25.0	3.2 B	8.0 B	5.8 B	3.8 B		1.6 U		7.3 B	4.2 B	62.4
iron (Fe)	µg/L	14.0	100.0	37.4 B	31.0 B	14.2 U	14.2 U		2,730.0		29.7 B	14.2 U	37,200.0
lead (Pb)	µg/L	1.4	3.0	2.6 B	1.4 U	1.5 B	1.4 U		1.4 U		1.8 B	1.6 B	28.4
magnesium (Mg)	µg/L	8.7	5000.0	4,980.0 B	12,800.0	2,720.0 B	2,490.0 B		2,970.0 B		7,080.0	153.0	6,520.0
manganese (Mn)	µg/L	0.20	15.0	19.4	1,110.0	103.0	32.1		433.0		81.4	804.0	516.0
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ		0.13 BJ		0.10 U	0.10 U	0.10 BJ
nickel (Ni)	µg/L	1.2	40.0	2.2 B	4.6 B	3.9 B	5.1 B		1.2 U		5.9 B	24.5 B	13.7 B
potassium (K)	µg/L	29.0	5000.0	1,260.0 B	3,970.0 B	4,000.0 B	4,430.0 B		9,210.0 J		116.0	15,500.0	9,100.0 J
selenium (Se)	µg/L	2.3	5.0	2.3 U	2.3 U	2.3 U	2.3 U		2.3 U		2.3 U	2.3 U	2.3 U
silver (Ag)	µg/L	0.90	10.0	0.90 U	0.90 U	0.90 U	0.90 U		0.90 U		0.90 U	0.90 U	0.90 U
sodium (Na)	µg/L	304	5000.0	18,900.0 J	31,700.0	8,280.0	11,400.0		84,200.0		116,000.0 J	63,300.0 J	50,500.0
thallium (Tl)	µg/L	2.9	10.0	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ		2.9 UJ		2.9 UJ	2.9 UJ	2.9 UJ
vanadium (V)	µg/L	0.80	50.0	0.80 U	0.83 B	0.80 U	0.83 B		0.80 U		0.80 U	0.80 U	66.1
zinc (Zn)	µg/L	1.5	20.0	6.5 BJ	10.7 B	14.5 B	11.1 B		1.5 U		11.8 BJ	32.9 J	237.0
field instrument								ns - dry		ns - dry			
pH	su			5.12	4.85	5.31	5.41		6.35		5.29	5.51	5.7
conductivity	mmhos/cm			0.191	0.393	0.135	0.167		0.672		1.000	0.815	0.537
turbidity	NTU			14.0	16.0	18.3	-3.8		1.0		31.1	14.8	792.0
DO	mg/L			4.29	1.84	5.47	5.52		0.49		0.00	0.19	8.86
temperature	°C			16.63	18.43	19.07	20.38		13.00		18.23	18.64	16.8
Eh (ORP)	mV			263	281	247	240		123		197	204	407.0

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04 1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6B	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B
sampling date				abandoned	4/16/03	4/16/03	4/16/03	4/16/03	4/15/03	4/15/03	4/15/03	4/14/03	4/14/03
					inp	inp	inp	inp	inp	inp	inp	inp	inp
metals		IDL	CRDL	abandoned									
aluminum (Al)	µg/L	41.0	200.0		114.0 B	40.9 U	366.0	40.9 U	176.0 B	40.9 U	40.9 U	113.0 B	40.9 U
antimony (Sb)	µg/L	2.5	60.0		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
arsenic (As)	µg/L	2.2	10.0		2.2 U	44.4	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
barium (Ba)	µg/L	0.20	200.0		8.2 B	137.0 B	675.0	53.6 B	57.0 B	79.2 B	68.5 B	27.8 B	44.9 B
beryllium (Be)	µg/L	0.20	5.0		0.20 U	0.20 U	1.6 B	0.20 U	0.20 U	0.31 B	0.20 U	0.20 U	0.20 U
cadmium (Cd)	µg/L	0.20	5.0		2.4 B	0.33 B	2.0 B	0.20 U	0.43 B	0.20 U	0.20 U	0.20 U	0.20 U
calcium (Ca)	µg/L	16.0	5000.0		5,970.0	20,900.0	66,200.0	7,560.0	7260.00 J	6,400.0 J	13,600.0 J	990.0 B	2,610.0 B
chromium (Cr)	µg/L	0.60	10.0		0.69 B	0.60 U	0.89 B	0.60 U	6.0 B	0.60 U	0.60 U	1.1 B	32.1
cobalt (Co)	µg/L	0.70	50.0		11.9 B	10.1 B	70.4	2.0 B	1.7 B	3.3 B	2.1 B	0.97 B	5.7 B
copper (Cu)	µg/L	1.6	25.0		30.4	15.7 B	11.2 B	16.4	17.0 B	48.6	28.2	10.9 B	3.7 B
iron (Fe)	µg/L	14.0	100.0		295.0	49,400.0	31.0 B	267.0	4,060.0	396.0	68.3 B	275.0	1,060.0
lead (Pb)	µg/L	1.4	3.0		1.8 B	1.4 U	1.4 U	3.7	11.6	5.9	9.1	1.8 B	1.4 U
magnesium (Mg)	µg/L	8.7	5000.0		856.0 B	11,300.0	32,600.0	2,680.0 B	4,120.0 B	3,200.0 B	4,850.0 B	2,330.0 B	2,380.0 B
manganese (Mn)	µg/L	0.20	15.0		26.6	2,090.0	1,960.0	12.8 B	65.1	62.7	10.5 B	11.6 B	52.6
mercury (Hg)	µg/L	0.10	0.2		0.10 UJ	0.10 UJ	1.8 J	0.10 UJ	0.12 B	0.10 U	0.10 U	0.10 U	0.10 U
nickel (Ni)	µg/L	1.2	40.0		3.6 B	1.4 B	77.9	6.7 B	4.8 B	8.8 B	4.7 B	1.7 B	138.0
potassium (K)	µg/L	29.0	5000.0		485.0 B	32,900.0 J	36,300.0 J	1,330.0 B	1,690.0 B	959.0 B	1,430.0 B	521.0 B	1,610.0 B
selenium (Se)	µg/L	2.3	5.0		2.3 U	3.0 B	4.2 B	2.3 U	2.4 B	2.3 U	2.3 U	2.3 U	2.3 U
silver (Ag)	µg/L	0.90	10.0		0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
sodium (Na)	µg/L	304	5000.0		1,570.0 B	92,100.0	213,000.0	19,000.0	29,100.0 J	8,130.0 J	22,500.0 J	4,320.0 B	10,200.0 J
thallium (Tl)	µg/L	2.9	10.0		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
vanadium (V)	µg/L	0.80	50.0		3.5 B	1.5 B	2.1 B	0.80 U	1.5 B	0.80 U	0.80 U	1.7 B	0.80 U
zinc (Zn)	µg/L	1.5	20.0		271.0	171.0	194.0	128.0	104.0 J	119.0 J	147.0 J	41.8 J	7.1 BJ
field instrument				abandoned									
pH	su				5.75	6.03	4.42	4.84	5.00	4.69	4.62	5.41	5.24
conductivity	mmhos/cm				0.053	1.120	2.100	0.209	0.256	0.142	0.308	0.07	0.123
turbidity	NTU				3.6	60.4	25.6	29.5	375.0	195.0	4.7	33.7	21.1
DO	mg/L				1.32	1.66	6.47	8.49	6.58	12.04	5.79	9.98	8.32
temperature	°C				14.40	17.70	16.40	16.00	12.90	13.80	13.50	11.9	15.30
Eh (ORP)	mV				359	59	431	437	467	459	453	491.0	456

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

Table 4-5
Claremont Polychemical Superfund Site
April, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	BP-3C	LF-2	WT-1	RW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				4/14/03	4/15/03	4/17/03	4/17/03	4/24/04	4/24/04	4/24/04	4/24/04
				inp	inp	inp	inp	inp	inp	inp	inp
metals		IDL	CRDL								
aluminum (Al)	µg/L	41.0	200.0	40.9 U	6,410.0	161.0 B	40.9 U	40.9 U	49.7 B	84.6 B	48.0 B
antimony (Sb)	µg/L	2.5	60.0	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.5 U	4.5 U	4.5 U
arsenic (As)	µg/L	2.2	10.0	2.2 U	113.0	2.2 U	2.2 U	2.2 U	4.4 U	4.4 U	4.4 U
barium (Ba)	µg/L	0.20	200.0	90.3 B	105.0 B	46.1 B	178.0 B	83.5 B	76.9 B	103.0 B	88.1 B
beryllium (Be)	µg/L	0.20	5.0	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.25 B	0.36 B	0.43 B
cadmium (Cd)	µg/L	0.20	5.0	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.44 B	0.78 B	0.74 B
calcium (Ca)	µg/L	16.0	5000.0	11,200.0 J	70,600.0 J	14,100.0	69,200.0	35,700.0	34,200.0	26,100.0	15,400.0
chromium (Cr)	µg/L	0.60	10.0	4.5 B	9.6 B	1.1 B	0.60 U	0.60 U	0.7 B	0.70 U	0.73 B
cobalt (Co)	µg/L	0.70	50.0	1.6 B	5.8 B	0.70 U	1.2 B	15.5 B	14.3 B	14.7 B	15.1 B
copper (Cu)	µg/L	1.6	25.0	5.5 B	34.7	5.7 B	4.9 B	6.1 B	5.1 B	43.2	23.2 B
iron (Fe)	µg/L	14.0	100.0	80.6 B	10,500.0	402.0	15,600.0	107.0	65.5 B	655.0	40.6 B
lead (Pb)	µg/L	1.4	3.0	1.7 B	13.0	1.4 U	1.8 B	1.7 B	2.7 U	12.5	7.6
magnesium (Mg)	µg/L	8.7	5000.0	7,160.0	16,300.0	10,400.0	19,700.0	9,420.0	8,690.0	8,650.0	6,030.0
manganese (Mn)	µg/L	0.20	15.0	28.8	766.0	4.9 B	1,060.0	517.0	483.0	441.0	338.0
mercury (Hg)	µg/L	0.10	0.2	0.10 U	0.10 U	0.10 BJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U
nickel (Ni)	µg/L	1.2	40.0	10.3 B	13.5 B	1.2 U	1.2 U	6.6 B	6.1 B	9.6 B	6.5 B
potassium (K)	µg/L	29.0	5000.0	1,830.0 B	149,000.0	9,620.0 J	33,900.0 J	17,400.0 J	16,400.0	11,400.0	8,080.0
selenium (Se)	µg/L	2.3	5.0	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	3.5 BJ	2.6 UJ	2.6 UJ
silver (Ag)	µg/L	0.90	10.0	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.80 U	1.2 B	0.80 U
sodium (Na)	µg/L	304	5000.0	24,600.0 J	682,000.0 J	62,100.0	396,000.0	99,800.0	92,900.0 J	72,600.0 J	25,000.0 J
thallium (Tl)	µg/L	2.9	10.0	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	7.0 UJ	7.0 UJ	7.0 UJ
vanadium (V)	µg/L	0.80	50.0	0.91 B	3.4 B	1.6 B	1.8 B	1.0 B	1.0 U	1.0 U	1.0 U
zinc (Zn)	µg/L	1.5	20.0	5.9 BJ	71.0 J	80.4	27.3	364.0	333.0	1510.0	329.00
field instrument											
pH	su			4.89	7.05	6.26	7.46	5.87		5.39	4.91
conductivity	mmhos/cm			0.343	5.28	0.58	3.01	0.960		0.729	0.365
turbidity	NTU			10.1	48.2	31.2	6.8	-9.7 R		-2.3 R	-6.8 R
DO	mg/L			2.13	0.88	7.89	0.44	0.65		1.44	2.05
temperature	°C			14.20	21.4	12.0	11.3	18.97		18.23	17.95
Eh (ORP)	mV			358	-99.0	409.0	-166.0	111		146	208

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-6
Claremont Polychemical Superfund Site
April 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min	detected max	min. well	max. well	no. sampled	no. detected	detected min	detected max	min. well	max. well
sampling date				Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03
VOCs															
dichlorodifluoromethane	µg/L		0.50	29	2	0.25	19	BP-3B	BP-3C	4	0	-	-	-	-
chloromethane	µg/L		0.50	29	6	0.19	0.35	EW-6A	RW-1	4	1	-	3	-	EXT-3
vinyl chloride	µg/L		0.50	29	1	-	3.4	-	BP-3C	4	0	-	-	-	-
bromomethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
chloroethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
trichlorofluoromethane	µg/L		0.50	29	1	-	3.3	-	BP-3C	4	0	-	-	-	-
1,1-dichloroethene	µg/L		0.50	29	5	0.48	12	EW-4A	EW-3C	4	1	-	4.6	-	EXT-2
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	29	1	-	5.1	-	BP-3C	4	0	-	-	-	-
acetone	µg/L		5.0	29	0	-	-	-	-	4	0	-	-	-	-
carbon disulfide	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
methyl acetate	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
methylene chloride	µg/L		0.50	29	3	0.17	2.7	MW-8B	BP-3C	4	0	-	-	-	-
trans-1,2-dichloroethene	µg/L		0.50	29	3	0.45	1.2	BP-3B	BP-3C	4	0	-	-	-	-
tert-butyl methyl ether	µg/L		0.50	29	4	1.8	2.6	EW-1AQC	MW-8B, LF2	4	1	-	0.37	-	EXT-2
1,1-dichloroethane	µg/L		0.50	29	11	0.32	8.3	EW-1AQC	BP-3C	4	4	0.71	4.7	EXT-1	EXT-3
cis-1,2-dichloroethene	µg/L		0.50	29	19	0.18	200	LF2	BP3C	4	4	4.5	19	EXT-1, EXT-1QC	EXT-3
2-butanone	µg/L		5.0	29	1	-	1.5	-	LF2	4	0	-	-	-	-
bromochloromethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
chloroform	µg/L		0.50	29	8	0.31	1.3	BP-3B	MW-10C	4	0	-	-	-	-
1,1,1-trichloroethane	µg/L		0.50	29	12	0.44	23	BP-3B	EW-2C	4	4	2.8	18	EXT-1QC	EXT-3
cyclohexane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
carbon tetrachloride	µg/L		0.50	29	1	-	0.38	-	MW-10D	4	0	-	-	-	-
benzene	µg/L		0.50	29	1	-	0.35	-	BP3C	4	1	-	0.14	-	EXT-1
1,2-dichloroethane	µg/L		0.50	29	9	0.066	4	BP-3B	EW-5	4	4	0.12	0.83	EXT-1	EXT-3
trichloroethene	µg/L		0.50	29	27	0.1	380	MW-8C	EW-4C	4	4	26	580	EXT-1QC	EXT-3
methylcyclohexane	µg/L		0.50	29	1	-	0.69	-	RW-1	4	0	-	-	-	-
1,2-dichloropropane	µg/L		0.50	29	1	-	0.98	-	EW-5	4	0	-	-	-	-
bromodichloromethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
cis-1,3-dichloropropene	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
4-methyl-2-pentanone	µg/L		5.0	29	0	-	-	-	-	4	0	-	-	-	-
toluene	µg/L		0.50	29	13	0.051	0.17	EW-3C	EW-6C	4	0	-	-	-	-
trans-1,3-dichloropropene	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
1,1,2-trichloroethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
tetrachloroethene	µg/L		0.50	29	25	0.26	180	MW-6D	EW-1AQC	4	4	14	120	EXT-3	EXT-1
2-hexanone	µg/L		5.0	29	0	-	-	-	-	4	0	-	-	-	-
dibromochloromethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
1,2-dibromoethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
chlorobenzene	µg/L		0.50	29	2	1.1	2.2	MW-6D	LF2	4	1	-	0.2	-	EXT-1QC
ethylbenzene	µg/L		0.50	29	1	-	0.051	-	RW-1	4	0	-	-	-	-
xylenes (total)	µg/L		0.50	29	2	0.18	0.4	RW-1	WT-1	4	0	-	-	-	-
styrene	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
bromoform	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
isopropylbenzene	µg/L		0.50	29	2	0.13	4	MW-6D	LF2	4	0	-	-	-	-
1,1,2,2-tetrachloroethane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
1,3-dichlorobenzene	µg/L		0.50	29	2	0.13	0.13	MW-6D	LF2	4	0	-	-	-	-
1,4-dichlorobenzene	µg/L		0.50	29	2	1.2	2.8	MW-6D	LF2	4	1	-	0.24	-	EXT-1
1,2-dichlorobenzene	µg/L		0.50	29	2	1	1.5	MW-6D	LF2	4	0	-	-	-	-
1,2-dibromo-3-chloropropane	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-
1,2,4-trichlorobenzene	µg/L		0.50	29	1	-	0.2	-	LF2	4	0	-	-	-	-
1,2,3-trichlorobenzene	µg/L		0.50	29	0	-	-	-	-	4	0	-	-	-	-

Table 4-6
Claremont Polychemical Superfund Site
April 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min.	detected max	min. well	max. well	no. sampled	no. detected	detected min.	detected max	min. well	max. well
sampling date				Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03	Apr. 03
metals		IDL	CRDL												
aluminum (Al)	µg/L	41.0	200.0	29	8	48.3	8,090.0	EW-3BQC	EW-6A	4	3	48.0	84.6	EXT-3	EXT-2
antimony (Sb)	µg/L	2.5	60.0	29	0	-	-	-	-	4	0	-	-	-	-
arsenic (As)	µg/L	2.2	10.0	29	3	22.9	113	EW-6A	LF-2	4	0	-	-	-	-
barium (Ba)	µg/L	0.20	200.0	29	29	8.2	675.0	EW-6C	MW-8B	4	4	76.9	103.0	EXT-1QC	EXT-2
beryllium (Be)	µg/L	0.20	5.0	29	8	0.29	1.8	EW-4B, EW-5	EW-6A	4	3	0.25	0.43	EXT-1QC	EXT-3
cadmium (Cd)	µg/L	0.20	5.0	29	8	0.28	10.5	DW-2	EW-6A	4	3	0.4	0.8	EXT-1QC	EXT-2
calcium (Ca)	µg/L	16.0	5000.0	29	29	990.0	70,600.0	BP-3A	LF-2	4	4	15,400.0	35,700.0	EXT-3	EXT-1
chromium (Cr)	µg/L	0.60	10.0	29	9	0.69	32.1	EW-6C	BP-3A	4	2	0.7	0.73	EXT-1QC	EXT-3
cobalt (Co)	µg/L	0.70	50.0	29	22	1.0	70.4	BP-3A	MW-8B	4	4	14.3	15.5	EXT-1QC	EXT-1
copper (Cu)	µg/L	1.6	25.0	29	29	1.6	62.4	DW-1	EW-6A	4	4	5.1	43.2	EXT-1QC	EXT-2
iron (Fe)	µg/L	14.0	100.0	29	25	19.9	49,400.0	EW-1A	MW-6D	4	4	40.6	655.0	EXT-3	EXT-2
lead (Pb)	µg/L	1.4	3.0	29	21	1.5	61.4	EW-4B	EW-1B	4	3	1.7	12.5	EXT-1	EXT-2
magnesium (Mg)	µg/L	8.7	5000.0	29	29	153.0	32,600.0	EW-5	MW-8B	4	4	6,030.0	9,420.0	EXT-3	EXT-1
manganese (Mn)	µg/L	0.20	15.0	29	29	4.9	2,090.0	WT-1	MW-6D	4	4	338.0	517.0	EXT-3	EXT-1
mercury (Hg)	µg/L	0.10	0.2	29	5	0.1	1.8	EW-6A, WT-1	MW-8B	4	0	-	-	-	-
nickel (Ni)	µg/L	1.2	40.0	29	26	1.7	138	BP-3A	BP-3B	4	4	6.1	9.6	EXT-1QC	EXT-2
potassium (K)	µg/L	29.0	5000.0	29	29	116.0	149,000.0	DW-2	LF-2	4	4	8,080.0	17,400.0	EXT-3	EXT-1
selenium (Se)	µg/L	2.3	5.0	29	4	2.4	4.2	MW-10B	MW-8B	4	1		3.5		EXT-1QC
silver (Ag)	µg/L	0.90	10.0	29	1		2.2		EW-2B	4	1		1.2		EXT-2
sodium (Na)	µg/L	304	5000.0	29	29	1,570.0	682,000.0	EW-6C	LF-2	4	4	25,000.0	99,800.0	EXT-3	EXT-1
thallium (Tl)	µg/L	2.9	10.0	29	0	-	-	-	-	4	0	-	-	-	-
vanadium (V)	µg/L	0.80	50.0	29	14	0.83	66.1	EW-4A, EW-4C	EW-6A	4	1		1.0		EXT-1
zinc (Zn)	µg/L	1.5	20.0	29	29	5.9	271	BP-3C	EW-6C	4	4	329.0	1,510.0	EXT-3	EXT-2
field instrument															
pH	su			27	27	4.42	7.46	MW-8B	RW-1	3	3	4.91	5.87	EXT-3	EXT-1
conductivity	µmhos/cm			27	27	0.037	5.280	EW-3B	LF-2	3	3	0.365	0.96	EXT-3	EXT-1
turbidity	NTU			27	23	1	792	DW-1	EW-6A	3					
DO	mg/L			27	24	0.19	12.04	EW-5	MW-10C	3	3	0.65	2.05	EXT-1	EXT-3
temperature	°C			27	27	11.3	21.4	RW-1	LF-2	3	3	17.95	18.97	EXT-3	EXT-1
Eh (ORP)	mV			27	27	-116	491	RW-1	BP-3A	3	3	111	208	EXT-1	EXT-3

- no results

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1A-QC	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C
sampling date				7/29/03	7/29/03	7/29/03	7/30/03	Jul-03	7/30/03	7/30/03	Jul-03	7/30/03	7/30/03
VOCs				inp	inp	inp	inp	ns - dry	inp	inp	ns - dry	inp	inp
VOC dilution factor				1x	1x	1x	1x		1x	1x		1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.99	17.00		0.50 U	6.60
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 U	0.50 U	0.50 R		0.50 U	0.50 U		0.50 U	0.50 U
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.25 J		0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	1.40 J	1.50	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.27 J	0.50 U	0.50 U	0.50 U		0.50 U	1.90		0.50 U	0.54
cis-1,2-dichloroethene	µg/L		0.50	0.64	0.54	0.50 U	0.50 U		3.00	47.00 D		0.50 U	5.30
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.60		0.50 U	0.52
1,1,1-trichloroethane	µg/L		0.50	0.53	0.48 J	0.50 U	0.50 U		2.80	33.00 D		0.50 U	9.40
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	1.00
trichloroethene	µg/L		0.50	2.40	2.30	0.37 J	0.50 U		5.10	68.00 D		0.23 J	160.00 D
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.25 J
tetrachloroethene	µg/L		0.50	160.00 D	200.00 D	1.10	0.44 J		3.50	7.50		0.23 J	24.00
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U		5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
xylenes (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U		0.50 U	0.50 U

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				7/29/03	7/29/03	7/29/03	Jul-03	7/29/03	Jul-03	7/28/03	7/28/03	7/30/03	abandoned
				inp	inp	inp		inp		inp	inp	inp	
VOCs							ns - dry		ns - dry				
VOC dilution factor				1x	1x	1x		1x		1x	1x		
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1-dichloroethene	µg/L		0.50	0.33 J	1.30	0.58		0.50 U		0.50 U	1.10	0.50 U	
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
methyl acetate	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 R		0.50 R	0.50 R	0.50 U	
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	1.70		0.50 U		0.50 U	0.50 U	0.50 U	
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1-dichloroethane	µg/L		0.50	0.50 U	0.45 J	0.80		0.50 U		0.50 U	1.20	0.50 U	
cis-1,2-dichloroethene	µg/L		0.50	1.50	1.80	18.00		0.50 U		0.50 U	7.20	0.50 U	
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,1-trichloroethane	µg/L		0.50	0.96	4.00	11.00		0.50 U		0.50 U	2.30	0.50 U	
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	4.60	0.50 U	
trichloroethene	µg/L		0.50	1.30	47.00 D	770.00 D		0.50 U		0.50 U	230.00 D	0.50 U	
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.21 J		0.50 U		0.50 U	0.50 U	0.50 U	
tetrachloroethene	µg/L		0.50	58.00	D	7.70	25.00	0.50 U		0.27 J	2.70	0.50 U	
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U		5.0 U	5.0 U	5.0 U	
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
xylenes (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U		0.50 U	0.50 U	0.50 U	

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-6D-QC	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B
sampling date				7/30/03	7/31/03	7/31/03	Jul-03	7/29/03	7/31/03	7/30/03	7/30/03	7/30/03	7/29/03
VOCs				inp	inp	inp	ns - dry	inp	inp	inp	inp	inp	inp
VOC dilution factor				1x	1x	1x		1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.99	51.00 D	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R		0.50 R	0.50 R	0.50 R	0.50 R	0.50 U	0.50 U
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.45 J	0.50 U	0.50 U	0.36 J
tert-butyl methyl ether	µg/L		0.50	0.50 U	5.30	5.10		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.22 J	0.27 J		0.50 U	0.29 J	5.20	0.50 U	0.50 U	0.31 J
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.31 J	0.36 J		0.50 U	1.60	18.00 D	2.60	0.50 U	19.00 D
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.63	2.20	0.50	1.50	0.26 J
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	2.70	110.00 D	0.6	0.50 U	0.33 J
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.46 J	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.58	0.62		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	3.60	1.60	0.50 U	0.50 U
trichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	3.30 U	110.00 D	48.00 D	0.50 U	5.40
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.34 J	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.72 U	3.00	27.00 D	1.10	0.50 U	67.00 D
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.85	0.87		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylenes (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	1.20	1.10		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.88	0.89		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	BP-3C	LF-2	WT-1	RW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				7/29/03	7/28/03	7/28/03	7/24/03	7/24/03	7/24/03	7/24/03	7/24/03
VOCs				inp	inp	inp	inp	inp	inp	inp	inp
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L	0.50	19.00	J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L	0.50	0.50	UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L	0.50	4.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L	0.50	0.50	UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L	0.50	0.50	UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L	0.50	2.80		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	0.50	2.20		0.50 U	0.50 U	0.50 U	1.80	1.80	3.90	16.00
1,1,2-trichloro-1,2,2-trifluoro	µg/L	0.50	7.70		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L	5.0	5.0	U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.50 U
carbon disulfide	µg/L	0.50	0.50	UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L	0.50	0.50	U	0.50 R	0.50 R	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	0.50	2.80	UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	0.50	1.00		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.24 J
tert-butyl methyl ether	µg/L	0.50	0.50	U	3.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.66
1,1-dichloroethane	µg/L	0.50	7.30		0.50 U	0.50 U	0.50 U	0.38 J	0.41 J	0.88	4.10
cis-1,2-dichloroethene	µg/L	0.50	210.00	D	0.50 U	0.50 U	0.90	4.20	4.10	5.80	24.00
2-butanone	µg/L	5.0	5.0	U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	0.50	0.78		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.39 J
1,1,1-trichloroethane	µg/L	0.50	5.50		0.50 U	0.50 U	0.50 U	3.20	3.10	7.40	33.00 J
cyclohexane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.45 J	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.50	0.36	J	1.20	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.55
trichloroethene	µg/L	0.50	25.00		0.50 U	1.00 U	0.50 U	47.00 D	42.00 D	98.00 D	580.00 D
methylcyclohexane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.26 J	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
4-methyl-2-pentanone	µg/L	5.0	5.0	U	0.50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
1,1,2-trichloroethane	µg/L	0.50	0.39	J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.26 J
tetrachloroethene	µg/L	0.50	4.50		0.50 U	0.50 U	0.50 U	110.00 D	110.00 D	130.00 D	24.00
2-hexanone	µg/L	5.0	5.0	U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	0.50	0.50	U	2.10	0.50 U	0.50 U	0.50 U	0.20 J	0.50 U	0.50 U
ethylbenzene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.051 J	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L	0.50	0.50	U	0.93	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L	0.50	0.50	U	2.80	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L	0.50	0.50	U	2.90	0.50 U	0.50 U	0.22 J	0.21 J	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L	0.50	0.50	U	1.30	0.50 U	0.50 U	0.27 J	0.26 J	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L	0.50	0.50	U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1A-QC	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C
sampling date				7/29/03	7/29/03	7/29/03	7/30/03	Jul-03	7/30/03	7/30/03	Jul-03	7/30/03	7/30/03
				inp	inp	inp	inp		inp	inp		inp	inp
metals		IDL	CRDL					ns - dry			ns - dry		
aluminum (Al)	µg/L	57.0	200.0	8.0 J	15.7 J	200 UR	14.4 J		106.0 J	22.0 J		16.5 J	8.1 J
antimony (Sb)	µg/L	1.2	60.0	60.0 UR	60.0 UR	60.0 UR	9.2 J		60.0 UR	60.0 UR		60.0 UR	60.0 UR
arsenic (As)	µg/L	3.0	10.0	15.0 UR	15.0 UR	15.0 UR	15.0 UR		15.0 UR	15.0 UR		15.0 UR	15.0 UR
barium (Ba)	µg/L	0.30	200.0	71.3 J	72.2 J	54.9 J	101.0 J		68.7 J	69.8 J		10.5 J	39.8 J
beryllium (Be)	µg/L	0.20	5.0	0.030 J	5.0 UR	5.0 UR	0.18 J		5.0 UR	0.4 J		5.0 UR	5.0 UR
cadmium (Cd)	µg/L	0.30	5.0	5.0 UR	5.0 UR	5.0 UR	5.0 UR		0.82 J	5.0 UR		5.0 UR	5.0 UR
calcium (Ca)	µg/L	15.0	5000.0	18,800.0 J	19,200.0 J	69,200.0 J	37,400.0 J		18,900.0 J	11,200.0 J		3,190.0 J	6,450.0 J
chromium (Cr)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR	10.0 UR		1.1 J	10.0 UR		10.0 UR	10.0 UR
cobalt (Co)	µg/L	0.70	50.0	5.3 J	5.3 J	0.48 J	60.9 J		3.1 J	3.8 J		50.0 UR	50.0 UR
copper (Cu)	µg/L	1.5	25.0	0.61 J	25.0 UR	25.0 UR	25.0 UR		1430.0 J	1.1 J		25.0 UR	25.0 UR
iron (Fe)	µg/L	13.0	100.0	16.2 J	23.1 J	10.0 J	18.0 J		403.0 J	10.0 J		32.0 J	16.8 J
lead (Pb)	µg/L	1.2	3.0	10.0 UR	10.0 UR	10.0 UR	10.0 UR		686.0 J	10.0 UR		10.0 UR	10.0 UR
magnesium (Mg)	µg/L	12.0	5000.0	5,480.0 J	5,610.0 J	9,840.0 J	9,510.0 J		3,740.0 J	4,650.0 J		1,060.0 J	4,890.0 J
manganese (Mn)	µg/L	0.20	15.0	799.0 J	808.0 J	425.0 J	976.0 J		41.6 J	107.0 J		11.9 J	12.0 J
mercury (Hg)	µg/L	0.10	0.2	0.20 UR	0.20 UR	0.20 UR	0.20 UR		0.20 UR	0.20 UR		0.20 UR	0.20 UR
nickel (Ni)	µg/L	1.0	40.0	6.6 J	6.8 J	5.0 J	11.8 J		19.1 J	6.7 J		40.0 UR	40.0 UR
potassium (K)	µg/L	40.0	5000.0	7,440.0 J	7,030.0 J	16,300.0 J	20,300.0 J		2,410.0 J	4,230.0 J		592.0 J	1,430.0 J
selenium (Se)	µg/L	3.0	5.0	35.0 UR	6.6 J	35.0 UR	35.0 UR		35.0 UR	35.0 UR		35.0 UR	35.0 UR
silver (Ag)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR	10.0 UR		0.91 J	10.0 UR		10.0 UR	10.0 UR
sodium (Na)	µg/L	304	5000.0	16,200.0 J	15,300.0 J	132,000.0 J	63,200.0 J		29,400.0 J	34,700.0 J		4,190.0 J	20,600.0 J
thallium (Tl)	µg/L	2.4	10.0	25.0 UR	25.0 UR	25.0 UR	25.0 UR		25.0 UR	25.0 UR		25.0 UR	25.0 UR
vanadium (V)	µg/L	0.70	50.0	50.0 UR	50.0 UR	50.0 UR	50.0 UR		50.0 UR	50.0 UR		50.0 UR	50.0 UR
zinc (Zn)	µg/L	1.1	20.0	20.6 J	31.1 J	5.4 J	36.4 J		513.0 J	33.8 J		32.3 J	20.5 J
field instrument								ns - dry	NM ¹		ns - dry		
pH	su			4.97		6.54	5.32			4.75		5.27	5.12
conductivity	mmhos/cm			0.271		1.160	0.723			0.340		0.035	0.191
turbidity	NTU			126.0		6.5	7.6			1.8		36.6	14.0
DO	mg/L			6.62		0.00	0.00			3.62		7.38	4.29
temperature	°C			19.2		19.37	19.88			18.37		16.85	16.63
Eh (ORP)	mV			274.0		138	223			300		259	263

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4A	EW-4B	EW-4C	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				7/29/03	7/29/03	7/29/03	Jul-03	7/29/03	Jul-03	7/28/03	7/28/03	7/30/03	abandoned
				inp	inp	inp		inp		inp	inp	inp	
metals		IDL	CRDL				ns - dry		ns - dry				abandoned
aluminum (Al)	µg/L	57.0	200.0	93.8 J	10.1 J	12.4 J		200 UR		82.6 J	17.9 J	699.0 J	
antimony (Sb)	µg/L	1.2	60.0	60.0 UR	60.0 UR	60.0 UR		60.0 UR		60.0 U	60.0 UR	60.0 UR	
arsenic (As)	µg/L	3.0	10.0	15.0 UR	15.0 UR	15.0 UR		15.0 UR		15.0 U	15.0 UR	15.0 UR	
barium (Ba)	µg/L	0.30	200.0	122.0 J	48.6 J	67.3 J		39.2 J		58.0 J	117.0 J	15.9 J	
beryllium (Be)	µg/L	0.20	5.0	0.17 J	0.10 J	5.0 UR		5.0 UR		0.43 J	0.35 J	5.0 UR	
cadmium (Cd)	µg/L	0.30	5.0	5.0 UR	5.0 UR	5.0 UR		5.0 UR		5.0 U	5.0 UR	1.4 J	
calcium (Ca)	µg/L	15.0	5000.0	13,300.0 J	10,400.0 J	11,800.0 J		20,400.0 J		29,200.0	42,800.0 J	7,630.0 J	
chromium (Cr)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR		10.0 UR		10.0 U	10.0 UR	4.00 J	
cobalt (Co)	µg/L	0.70	50.0	48.6 J	4.4 J	2.2 J		50.0 UR		3.7 J	30.8 J	21.10 J	
copper (Cu)	µg/L	1.5	25.0	2.7 J	25.0 UR	331.0 J		25.0 UR		1.2 J	0.6 J	69.6 J	
iron (Fe)	µg/L	13.0	100.0	3,200.0 J	66.3 J	42.8 J		3320.0 J		18.4 J	20.2 J	1,570.0 J	
lead (Pb)	µg/L	1.2	3.0	10.0 UR	10.0 UR	48.4 J		10.0 UR		10.0 U	10.0 UR	11.40 J	
magnesium (Mg)	µg/L	12.0	5000.0	14,000.0 J	2,940.0 J	2,560.0 J		2,560.0 J		5,750.0	16,100.0 J	1,910.0 J	
manganese (Mn)	µg/L	0.20	15.0	1,050.0 J	153.0 J	40.9 J		439.0 J		67.4	787.0 J	80.4 J	
mercury (Hg)	µg/L	0.10	0.2	0.20 UR	0.20 UR	0.20 UR		0.12 J		0.10 J	0.2 UR	0.14 J	
nickel (Ni)	µg/L	1.0	40.0	5.5 J	3.9 J	3.7 J		40.0 UR		3.9 J	23.6 J	10.00 J	
potassium (K)	µg/L	40.0	5000.0	4,770.0 J	4,850.0 J	4,670.0 J		9,790.0 J		11,100.0 J	18,400.0 J	785.0 J	
selenium (Se)	µg/L	3.0	5.0	35.0 UR	35.0 UR	35.0 UR		35.0 UR		35.0 U	35.0 UR	35.0 UR	
silver (Ag)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR		10.0 UR		10.0 U	10.0 UR	10.0 UR	
sodium (Na)	µg/L	304	5000.0	35,500.0 J	7,440.0 J	10,900.0 J		85,500.0 J		10,900.0	87,500.0 J	1,870.0 J	
thallium (Tl)	µg/L	2.4	10.0	25.0 UR	25.0 UR	25.0 UR		25.0 UR		25.0 U	25.0 UR	25.0 UR	
vanadium (V)	µg/L	0.70	50.0	50.0 UR	50.0 UR	50.0 UR		50.0 UR		50.0 U	50.0 UR	5.60 J	
zinc (Zn)	µg/L	1.1	20.0	13.4 J	16.5 J	38.1 J		10.6 J		44.8 J	133.0 J	222.0 J	
field instrument							ns - dry		ns - dry			NA ^d	abandoned
pH	su			4.82	5.42	5.36		6.18		4.93	5.33		
conductivity	mmhos/cm			0.430	0.144	0.163		0.641		0.843	0.945		
turbidity	NTU			48.1	9.3	64.0		17.2		42.6	11.2		
DO	mg/L			2.22	0.74	5.47		0.00		0.70	3.08		
temperature	°C			18.82	18.63	19.81		18.43		18.54	18.95		
Eh (ORP)	mV			290	189	221		-35		274	254		

boldface: lab analysis positive detection
 U: not detected
 J: estimated
 R: rejected
 B: IDL < x < CRDL (ILM04.1)(equivalent to J)
 D: quantified at dilution
 NM: not measured
 UU: estimated not detected

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-6D-QC	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B
sampling date				7/30/03	7/31/03	7/31/03	Jul-03	7/29/03	7/31/03	7/30/03	7/30/03	7/30/03	7/29/03
				inp	inp	inp		inp	inp	inp	inp	inp	inp
metals		IDL	CRDL				ns						
aluminum (Al)	µg/L	57.0	200.0	53.6 J	329.0 J	94.9 J		62.7 J	5.2 J	19.3 J	54.2 J	18.7 J	15.8 J
antimony (Sb)	µg/L	1.2	60.0	60.0 UR	60.0 UR	60.0 UR		60.0 UR	60.0 UR	60.0 UR	60.0 UR	60.0 UR	60.0 UR
arsenic (As)	µg/L	3.0	10.0	15.0 UR	72.7 R	41.6 R		15.0 UR	15.0 UR	15.0 UR	15.0 UR	15.0 UR	15.0 UR
barium (Ba)	µg/L	0.30	200.0	4.0 J	130.0 J	132.0 J		44.8 J	40.7 J	62.6 J	58.0 J	19.8 J	39.1 J
beryllium (Be)	µg/L	0.20	5.0	3.0 UR	5.0 UR	5.0 UR		0.1 J	5.0 UR	0.3 J	5.0 UR	5.0 UR	0.040 J
cadmium (Cd)	µg/L	0.30	5.0	5.0 UR	0.34 J	0.19 J		5.0 UR	5.0 UR	5.0 UR	5.0 UR	5.0 UR	5.0 UR
calcium (Ca)	µg/L	15.0	5000.0	4,140.0 J	20,700.0 J	21,100.0 J		6,900.0 J	7,230.0 J	5,490.0 J	12,500.0 J	780.0 J	2,420.0 J
chromium (Cr)	µg/L	0.80	10.0	10.0 UR	4.4 J	1.4 J		10.0 UR	10.0 UR	10.0 UR	10.0 UR	10.0 UR	15.3 J
cobalt (Co)	µg/L	0.70	50.0	6.5 J	31.9 J	8.0 J		1.3 J	50.0 UR	1.7 J	1.2 J	50.0 UR	1.1 J
copper (Cu)	µg/L	1.5	25.0	22.5 J	21.5 J	28.6 J		19.5 J	9.0 J	27.1 J	62.2 J	25.0 UR	25.0 UR
iron (Fe)	µg/L	13.0	100.0	134.0 J	55,000.0 J	53,500.0 J		370.0 J	225 J	71.4 J	493.0 J	38.9 J	49.0 J
lead (Pb)	µg/L	1.2	3.0	10.0 UR	21.2 J	12.3 J		10.0 UR	10.0 UR	6.0 J	9.8 J	10.0 UR	10.0 UR
magnesium (Mg)	µg/L	12.0	5000.0	1,270.0 J	10,800.0 J	10,800.0 J		2,290.0 J	3,640.0 J	2,680.0 J	4,300.0 J	2,430.0 J	2,350.0 J
manganese (Mn)	µg/L	0.20	15.0	16.0 J	2,170.0 J	2,200.0 J		12.6 J	14.0 J	61.3 J	11.7 J	8.0 J	28.0 J
mercury (Hg)	µg/L	0.10	0.2	0.2 UR	0.2 UR	0.2 UR		0.2 UR	0.2 UR	0.2 UR	0.2 UR	0.2 UR	0.2 UR
nickel (Ni)	µg/L	1.0	40.0	40.0 UR	14.2 J	3.5 J		6.0 J	40.0 UR	6.9 J	3.4 J	40.0 UR	90.8 J
potassium (K)	µg/L	40.0	5000.0	243.0 J	32000 J	32,800.0 J		1,430.0 J	1,320.0 J	1,170.0 J	1,700.0 J	503.0 J	1,430.0 J
selenium (Se)	µg/L	3.0	5.0	35.0 UR	35.0 UR	35.0 UR		35.0 UR	35.0 UR	35.0 UR	5.9 J	35.0 UR	35.0 UR
silver (Ag)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR		10.0 UR	10.0 UR	10.0 UR	10.0 UR	10.0 UR	10.0 UR
sodium (Na)	µg/L	304	5000.0	1,330.0 J	103,000.0 J	104,000.0 J		17,300.0 J	8,100.0 J	7,700.0 J	20,500.0 J	4,250.0 J	8,830.0 J
thallium (Tl)	µg/L	2.4	10.0	25.0 UR	6.3 J	25.0 UR		25.0 UR	25.0 UR	25.0 UR	25.0 UR	25.0 UR	25.0 UR
vanadium (V)	µg/L	0.70	50.0	2.0 J	1.1 J	50.0 UR		50.0 UR	50.0 UR	50.0 UR	50.0 UR	50.0 UR	50.0 UR
zinc (Zn)	µg/L	1.1	20.0	150.0 J	194.0 J	156.0 J		271.0 J	108.0 J	304.0 J	442.0 J	44.0 J	28.9 J
field instrument							ns - dry						
pH	su			6.21	6.13			5.08	5.24	4.97	4.93	5.22	5.21
conductivity	mmhos/cm			0.047	1.160			0.176	0.135	0.123	0.250	0.057	0.098
turbidity	NTU			1.0	23.6			8.3	11.3	0.9	0.0	19.1	9.0
DO	mg/L			0.67	1.19			9.69	6.99	11.23	8.35	10.73	8.71
temperature	°C			21.53	17.33			18.69	14.51	17.98	22.74	11.95	13.96
Eh (ORP)	mV			91	-58			299	309	316	312	302.0	276

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-7
Claremont Polychemical Superfund Site
July, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	BP-3C	LF-2	WT-1	RW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				7/29/03	7/28/03	7/28/03	7/24/03	7/24/03	7/24/03	7/24/03	7/24/03
				inp	inp	inp	inp	inp	inp	inp	inp
metals		IDL	CRDL								
aluminum (Al)	µg/L	57.0	200.0	14.0 J	6,930.0 J	126.0 J	200.0 U	19.5 J	29.6 J	56.4 J	28.6 J
antimony (Sb)	µg/L	1.2	60.0	60.0 UR	60.0 UR	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U
arsenic (As)	µg/L	3.0	10.0	15.0 UR	117.0 J	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
barium (Ba)	µg/L	0.30	200.0	83.8 J	97.8 J	52.8 J	200.0 U	71.9 J	72.8 J	98.1 J	84.1 J
beryllium (Be)	µg/L	0.20	5.0	0.2 J	5.0 UR	5.0 UR	5.0 U	0.16 J	0.16 J	0.30 J	0.28 J
cadmium (Cd)	µg/L	0.30	5.0	5.0 UR	5.0 UR	5.0 UR	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
calcium (Ca)	µg/L	15.0	5000.0	10,400.0 J	73,600.0 J	16,700.0 J	53,000.0	32,700.0	33,300.0	22,700.0	14,500.0
chromium (Cr)	µg/L	0.80	10.0	8.9 J	10.4 J	10.0 UR	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
cobalt (Co)	µg/L	0.70	50.0	0.95 J	6.3 J	50.0 UR	50.0 U	13.9 J	14.1 J	14.6 J	13.8 J
copper (Cu)	µg/L	1.5	25.0	25.0 UR	37.8 J	10.5 J	52.0	7.4 J	11.1 J	78.4	25.7
iron (Fe)	µg/L	13.0	100.0	55.2 J	8,260.0 J	207.0 J	13,000.0	196.0 R	1700.0 R	1,690.0	88.3 J
lead (Pb)	µg/L	1.2	3.0	10.0 UR	10.0 J	10.0 UR	10.0 U	10.0 UR	19.00 J	45.5 J	5.4 J
magnesium (Mg)	µg/L	12.0	5000.0	7,610.0 J	16,800.0 J	9,840.0 J	15,000.0	9,130.0	8,320.0	7,950.0	5,870.0
manganese (Mn)	µg/L	0.20	15.0	29.3 J	778.0 J	8.2 J	770.0	492.0	499.0	439.0	334.0
mercury (Hg)	µg/L	0.10	0.2	0.2 UR	0.2 UR	0.2 UR	0.20 U	0.14 J	0.13 J	0.10 J	0.09 J
nickel (Ni)	µg/L	1.0	40.0	17.5 J	12.6 J	40.0 UR	40.0 U	6.4 J	6.9 J	8.7 J	6.9 J
potassium (K)	µg/L	40.0	5000.0	1,780.0 J	131,000.0 J	9,810.0 J	19,000.0	17,500.0	18,200.0	11,400.0	8,910.0
selenium (Se)	µg/L	3.0	5.0	35.0 UR	35.0 UR	35.0 UR	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U
silver (Ag)	µg/L	0.80	10.0	10.0 UR	10.0 UR	10.0 UR	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
sodium (Na)	µg/L	304	5000.0	23,800.0 J	845,000.0 J	54,400.0 J	420,000.0	103,000.0	106,000.0	79,300.0	31,500.0
thallium (Tl)	µg/L	2.4	10.0	25.0 UR	25.0 UR	25.0 UR	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
vanadium (V)	µg/L	0.70	50.0	50.0 UR	1.8 J	50.0 UR	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
zinc (Zn)	µg/L	1.1	20.0	28.8 J	58.0 J	87.4 J	60.0 U	744 R	222 R	1,170.0 J	377.0 J
field instrument											
pH	su			4.85	6.96	6.02	7.17	5.84		5.22	4.92
conductivity	mmhos/cm			0.282	5.06	0.489	2.62	0.898		0.674	0.362
turbidity	NTU			4.9	10.5	42.1	49.4	3.7		4.8	7.7
DO	mg/L			1.72	0.28	9.52	0.00	0.79		1.96	2.40
temperature	°C			13.04	22.51	22.63	22.02	20.14		20.75	19.87
Eh (ORP)	mV			322	-140.0	165.0	-223.0	82		131	178

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UU: estimated not detected

Table 4-8
Claremont Polychemical Superfund Site
July 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min	detected max	min. well	max. well	no. sampled	no. detected	detected min.	detected max	min. well	max. well
sampling date				Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03
VOCs															
dichlorodifluoromethane	µg/L		0.50	28	1		19.0		BP-3C	4	0	-	-	-	-
chloromethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
vinyl chloride	µg/L		0.50	28	1		4.5		BP-3C	4	0	-	-	-	-
bromomethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
chloroethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
trichlorofluoromethane	µg/L		0.50	28	1		2.8		BP-3C	4	0	-	-	-	-
1,1-dichloroethene	µg/L		0.50	28	10	0.33	51.0	EW-4A	MW-10C	4	4	1.8	16.0	EXT-1, EXT-1QC	EXT-3
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	28	1		7.7		BP-3C	4	0	-	-	-	-
acetone	µg/L		5.0	28	0	-	-	-	-	4	0	-	-	-	-
carbon disulfide	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
methyl acetate	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
methylene chloride	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
trans-1,2-dichloroethene	µg/L		0.50	28	5	0.25	1.7	EW-2C	EW-4C	4	1		0.24		EXT-3
tert-butyl methyl ether	µg/L		0.50	28	5	1.4	5.3	EW-1A	MW6D	4	1		0.66		EXT-3
1,1-dichloroethane	µg/L		0.50	28	12	0.22	7.3	MW6D	BP-3C	4	4	0.38	4.1		EXT-3
cis-1,2-dichloroethene	µg/L		0.50	28	17	0.31	210.0	MW6D	BP-3C	4	4	4.1	24.0		EXT-3
2-butanone	µg/L		5.0	28	0	-	-	-	-	4	0	-	-	-	-
bromochloromethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
chloroform	µg/L		0.50	28	8	0.26	2.2	BP-3B	MW-10C	4	1		0.39		EXT-3
1,1,1-trichloroethane	µg/L		0.50	28	14	0.33	110.0	BP-3B	MW-10C	4	4	3.1	33	EXT-1QC	EXT-3
cyclohexane	µg/L		0.50	28	1		0.45		RW-1	4	0	-	-	-	-
carbon tetrachloride	µg/L		0.50	28	1		0.46		MW-10D	4	0	-	-	-	-
benzene	µg/L		0.50	28	4	0.36	1.2	BP-3C	LF-2	4	0	-	-	-	-
1,2-dichloroethane	µg/L		0.50	28	4	1.0	4.6	EW-3C	EW-5	4	1		0.55		EXT-3
trichloroethene	µg/L		0.50	28	16	0.37	770.0	EW-1B	EW-4C	4	4	42.0	580.0	EXT-1QC	EXT-3
methylcyclohexane	µg/L		0.50	28	1		0.26		RW-1	4	0	-	-	-	-
1,2-dichloropropane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
bromodichloromethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
cis-1,3-dichloropropene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
4-methyl-2-pentanone	µg/L		5.0	28	0	-	-	-	-	4	0	-	-	-	-
toluene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
trans-1,3-dichloropropene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,1,2-trichloroethane	µg/L		0.50	28	4	0.21	0.39	EW-4C	BP-3C	4	1		0.26		EXT-3
tetrachloroethene	µg/L		0.50	28	18	0.27	200.0	DW-2	EW-1AQC	4	4	24.0	130.0	EXT-3	EXT-2
2-hexanone	µg/L		5.0	28	0	-	-	-	-	4	0	-	-	-	-
dibromochloromethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,2-dibromoethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
chlorobenzene	µg/L		0.50	28	3	0.85	2.1	MW-6D	LF-2	4	1		0.2		EXT-1QC
ethylbenzene	µg/L		0.50	28	1		0.51		RW-1	4	0	-	-	-	-
xylenes (total)	µg/L		0.50	28	1		0.93		LF-2	4	0	-	-	-	-
styrene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
bromoform	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
isopropylbenzene	µg/L		0.50	28	1		2.8		LF-2	4	0	-	-	-	-
1,1,2,2-tetrachloroethane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,3-dichlorobenzene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,4-dichlorobenzene	µg/L		0.50	28	3	1.1	2.9	MW-6DQC	LF-2	4	2	0.21	0.22	EXT-1QC	EXT-1
1,2-dichlorobenzene	µg/L		0.50	28	3	0.88	1.3	MW-6D	LF-2	4	2	0.26	0.27	EXT-1QC	EXT-1
1,2-dibromo-3-chloropropane	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,2,4-trichlorobenzene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-
1,2,3-trichlorobenzene	µg/L		0.50	28	0	-	-	-	-	4	0	-	-	-	-

Table 4-8
Claremont Polychemical Superfund Site
July 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no sampled	no detected	detected min.	detected max	min well	max well	no. sampled	no. detected	detected min.	detected max	min. well	max. well
sampling date				Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03	Jul. 03
metals		IDL	CRDL												
aluminum (Al)	µg/L	57.0	200.0	28	23	5.2	699.0	MW-10B	EW-6A	4	4	19.5	56.4	EXT-1	EXT-2
antimony (Sb)	µg/L	1.2	60.0	28	1		9.2		EW-1C	4	0	-	-	-	-
arsenic (As)	µg/L	3.0	10.0	28	1		117		LF-2	4	0	-	-	-	-
barium (Ba)	µg/L	0.30	200.0	28	27	4.3	132	EW-6C	MW-6DQC	4	4	71.9	98.1	EXT-1	EXT-2
beryllium (Be)	µg/L	0.20	5.0	28	11	0.030	0.43	EW-1A	DW-2	4	4	0.16	0.3	EXT-1, 1QC	EXT-2
cadmium (Cd)	µg/L	0.30	5.0	28	4	0.19	1.4	MW-6DQC	EW-6A	4	0	-	-	-	-
calcium (Ca)	µg/L	15.0	5000.0	28	28	780.0	73,600.0	BP-3A	LF-2	4	4	14,500.0	33,300.0	EXT-3	EXT-1QC
chromium (Cr)	µg/L	0.80	10.0	28	7	1.1	15.3	EW-2B	BP-3B	4	0	-	-	-	-
cobalt (Co)	µg/L	0.70	50.0	28	21	0.48	60.9	EW-1B	EW-1C	4	4	13.8	14.6	EXT-2	EXT-3
copper (Cu)	µg/L	1.5	25.0	28	18	0.6	1,430.0	EW-5	EW-2B	4	4	7.4	78.4	EXT-1	EXT-2
iron (Fe)	µg/L	13.0	100.0	28	28	10.0	55,000.0	EW-1B	MW-6D	4	2	88.3	1,690.0	EXT-3	EXT-2
lead (Pb)	µg/L	1.2	3.0	28	8	6	686.0	MW-10C	EW-2B	4	3	5.4	45.5	EXT-3	EXT-2
magnesium (Mg)	µg/L	12.0	5000.0	28	28	1,060.0	16,800.0	EW-3B	LF-2	4	4	5,870.0	9,130.0	EXT-3	EXT-1
manganese (Mn)	µg/L	0.20	15.0	28	28	8.0	2,200.0	BP-3A	MW-6DQC	4	4	334.0	499.0	EXT-3	EXT-1QC
mercury (Hg)	µg/L	0.10	0.2	28	3	0.1	0.14	DW-2	EW-6A	4	4	0.09	0.14	EXT-3	EXT-1
nickel (Ni)	µg/L	1.0	40.0	28	20	3.4	90.8	MW-10D	BP-3B	4	4	6.4	8.7	EXT-1	EXT-2
potassium (K)	µg/L	40.0	5000.0	28	28	243.0	131,000.0	EW-6C	LF-2	4	4	8,910.0	18,200.0	EXT-3	EXT-2
selenium (Se)	µg/L	3.0	5.0	28	2	5.9	6.6	MW-10D	EW-1AQC	4	0	-	-	-	-
silver (Ag)	µg/L	0.80	10.0	28	1		0.91		EW-2B	4	0	-	-	-	-
sodium (Na)	µg/L	304	5000.0	28	28	1,330.0	845,000.0	EW-6C	LF-2	4	4	31,500.0	106,000.0	EXT-3	EXT-1QC
thallium (Tl)	µg/L	2.4	10.0	28	1		6.3		MW-6D	4	0	-	-	-	-
vanadium (V)	µg/L	0.70	50.0	28	4	1.1	5.6	MW-6D	EW-6A	4	0	-	-	-	-
zinc (Zn)	µg/L	1.1	20.0	28	27	5.4	513	EW-1B	EW-2B	4	2	377.0	1,170.0	EXT-3	EXT-2
field instrument															
pH	su			24	24	4.75	7.17	EW-2C	RW-1	3	3	4.92	5.84	EXT-3	EXT-1
conductivity	µmhos/cm			24	24	0.035	5.06	EW-3B	LF-2	3	3	0.362	0.898	EXT-3	EXT-1
turbidity	NTU			24	23	0.9	126.0	MW-10C	EW-1A	3	3	3.7	7.7	EXT-1	EXT-3
DO	mg/L			24	20	0.28	11.23	LF-2	MW-10C	3	3	0.79	2.4	EXT-1	EXT-3
temperature	°C			24	24	11.95	22.63	BP-3A	WT-1	3	3	19.87	20.75	EXT-1	EXT-2
Eh (ORP)	mV			24	24	-223	322	RW-1	BP3C	3	3	82	178	EXT-1	EXT-3

- no results

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C	EW-4A
sampling date				10/22/03	10/22/03	10/22/03	10/23/03	10/21/03	10/21/03		10/21/03	10/21/03	10/20/03
VOCs										ns - dry			
VOC dilution factor				1x	1x	1x	1x	1x	1x		1x	1x	2x
dichlorodifluoromethane	µg/L		0.50	0.50 UJ	0.50 R	0.50 U	0.50 UJ	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
chloromethane	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
bromomethane	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 UJ		0.50 U	0.50 UJ	1.0 UJ
chloroethane	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ		0.50 U	0.50 UJ	1.0 UJ
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	12.00		0.50 U	5.80	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.074 J	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U		0.50 U	0.69	1.0 U
acetone	µg/L		5.0	0.50 U	5.0 U	5.0 U	5.0 U	2.20 J	5.0 U		5.0 U	5.0 U	10.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R		0.50 R	0.50 R	1.0 R
methylene chloride	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 R	0.50 UJ	0.50 U	0.50 UJ	0.19 J		0.50 UJ	0.50 U	1.0 U
tert-butyl methyl ether	µg/L		0.50	1.30	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,1-dichloroethane	µg/L		0.50	0.34 J	0.50 UJ	0.50 U	0.52	0.50 U	1.40		0.50 U	0.40 J	1.0 U
cis-1,2-dichloroethene	µg/L		0.50	0.63	0.50 R	0.50 UJ	41.00 D	0.79 J	31.00 D		0.50 UJ	3.80	5.30
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	10.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
chloroform	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.84 J	0.50 U	0.38 J		5.0 U	0.33 J	1.0 U
1,1,1-trichloroethane	µg/L		0.50	0.56	0.50 UJ	0.50 U	0.54	0.51	23.00		0.50 U	6.50	0.70 J
cyclohexane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
benzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2-dichloroethane	µg/L		0.50	0.099 J	0.50 UJ	0.50 U	0.50 U	0.50 U	0.093 J		0.50 U	0.50 U	1.0 U
trichloroethene	µg/L		0.50	2.50	0.50 R	0.50 U	23.00	1.60	38.00 D		5.0 U	71.00 D	3.40
methylcyclohexane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U		0.50 UJ	0.50 U	1.0 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	10.0 U
toluene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		5.0 U	0.50 U	1.0 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U		0.50 UJ	0.50 U	1.0 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U		0.50 UJ	0.27 J	1.0 U
tetrachloroethene	µg/L		0.50	90.00 D	0.50 UJ	0.50 U	1.70	2.10	5.10		0.50 U	15.00	160.00 D
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	10.0 U
dibromochloromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U		0.50 UJ	0.50 U	1.0 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U		0.50 UJ	0.50 U	1.0 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
xylenes (total)	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
styrene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
bromoform	µg/L		0.50	0.50 R	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U		0.50 UJ	0.50 U	1.0 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,3-dichlorobenzene	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,4-dichlorobenzene	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2-dichlorobenzene	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 R	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	1.0 U

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4B	EW-4C	EW-4C-QC	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				10/20/03	10/20/03	10/20/03	10/23/03	10/21/03		10/22/03	10/22/03		abandoned
VOCs									ns - dry			ns - dry	
VOC dilution factor				1x	5x	5x	20x	1x		1x	1x		
dichlorodifluoromethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
chloromethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
vinyl chloride	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
bromomethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
chloroethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
trichlorofluoromethane	µg/L	0.50	0.27	J	2.5	U	2.5	U	10.0	U	0.50	U	
1,1-dichloroethene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,1,2-trichloro-1,2,2-trifluoro	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
acetone	µg/L	5.0	5.0	U	2.5	U	2.5	U	100.0	U	5.0	U	
carbon disulfide	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
methyl acetate	µg/L	0.50	0.50	R	2.5	R	2.5	R	10.0	R	0.50	R	
methylene chloride	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
trans-1,2-dichloroethene	µg/L	0.50	0.50	U	0.41	J	0.34	J	10.0	U	0.50	U	
tert-butyl methyl ether	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,1-dichloroethane	µg/L	0.50	0.45	J	2.5	U	2.5	U	10.0	U	0.50	U	
cis-1,2-dichloroethene	µg/L	0.50	2.40		8.80		8.70		12.00	U	0.50	U	
2-butanone	µg/L	5.0	5.0	U	25.0	U	25.0	U	100.0	U	5.0	U	
bromochloromethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
chloroform	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,1,1-trichloroethane	µg/L	0.50	3.30		6.10		5.9		10.0	U	0.50	U	
cyclohexane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
carbon tetrachloride	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
benzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2-dichloroethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	1.90	J	0.089	J	
trichloroethene	µg/L	0.50	28.00	D	330.00	D	390.00	D	15.0	U	0.50	U	
methylcyclohexane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2-dichloropropane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
bromodichloromethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
cis-1,3-dichloropropene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
4-methyl-2-pentanone	µg/L	5.0	5.0	U	25.0	U	25.0	U	100.0	U	5.0	U	
toluene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
trans-1,3-dichloropropene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,1,2-trichloroethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
tetrachloroethene	µg/L	0.50	7.50		19.00		20		1,300.00	D	0.50	U	
2-hexanone	µg/L	5.0	5.0	U	25.0	U	25.0	U	100.0	U	5.0	U	
dibromochloromethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2-dibromoethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
chlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
ethylbenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
xylene (total)	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
styrene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
bromoform	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
isopropylbenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,1,2,2-tetrachloroethane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,3-dichlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,4-dichlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2-dichlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2-dibromo-3-chloropropane	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2,4-trichlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	
1,2,3-trichlorobenzene	µg/L	0.50	0.50	U	2.5	U	2.5	U	10.0	U	0.50	U	

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B	BP-3C
sampling date				10/23/03	10/22/03	10/22/03	10/22/03	10/22/03	10/21/03	10/21/03		10/20/03	10/20/03
VOCs											ns - dry		
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x		1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	9.90 J
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	3.00 J
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	1.70 J
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	12.00	0.50 U		0.50 U	1.40
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	3.20 J
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R		0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	1.8 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.18 J	0.43 J
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	1.20	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	3.10	0.50 U		0.30 J	4.30
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.89 J	6.10 J	2.20		24.00	96.00 D
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.45 J	1.10	0.42 J		0.50 U	0.56
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	1.00	31.00 D	0.4 J		0.50 U	2.90
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.080 J	0.27 J		0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.23 J
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.90	1.40		0.50 U	0.44 J
trichloroethene	µg/L		0.50	0.50 U	0.50 U	0.73	0.50 U	1.60	17.00 D	10.00 D		4.70	15.00
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	0.50 U	2.60	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 J	0.50 U		0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	1.30	5.50	0.56 U		26.00 D	2.50
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
xylenes (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 R	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 R	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.042 J	0.50 U	0.50 U		0.50 R	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.025 J	0.50 U	0.50 U		0.50 R	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 R	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 R	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		0.50 R	0.50 U

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	LF-2	LF-2 QC	WT-1	PPW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				10/23/03	10/23/03	10/22/03	10/23/03	10/28/03	10/28/03	10/28/03	10/28/03
VOCs											
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x	5x
dichlorodifluoromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	2.5 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	2.5 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.042 J	0.50 U	0.50 U	2.5 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	3.10	12.00
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	2.5 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.5 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	1.10 J	0.50 R	0.50 R	0.50 R	2.5 R
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	3.3 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
tert-butyl methyl ether	µg/L		0.50	2.30	2.40	0.50 U	0.50 U	0.26 J	0.25 J	0.19 J	2.5 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.40 J	0.41 J	0.90	3.50
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.14 J	0.50 U	4.00	4.10	6.00	16.00
2-butanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	2.90	3.00	5.70	21.00
cyclohexane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
benzene	µg/L		0.50	1.70	1.70	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.077 J	0.50 U	2.5 U
trichloroethene	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	35.00 D	36.00 D	50.00 D	300.00 D
methylcyclohexane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dichloropropane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromodichloromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25.0 U
toluene	µg/L		0.50	0.20 J	0.20 J	0.50 U	0.50 U	0.50 U	0.50 U	0.041 J	2.5 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.14 J	0.12 J	0.50 U	2.5 U
tetrachloroethene	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	68.00 D	72.00 D	86.00 D	19.00
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25.0 U
dibromochloromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	2.5 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
chlorobenzene	µg/L		0.50	2.20	2.10	0.50 U	0.50 U	0.26 J	0.2 J	0.50 U	2.5 U
ethylbenzene	µg/L		0.50	0.045 J	0.042 J	0.50 U	0.50 U	0.021 J	0.017 J	0.023 J	2.5 U
xylene (total)	µg/L		0.50	1.20	1.20 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
styrene	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
bromoform	µg/L		0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
isopropylbenzene	µg/L		0.50	1.70	1.70 J	0.50 U	0.50 U	0.032 J	0.033 J	0.50 U	2.5 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,3-dichlorobenzene	µg/L		0.50	0.13 J	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,4-dichlorobenzene	µg/L		0.50	3.20	3.30	0.50 U	0.50 U	0.21 J	0.21 J	0.50 U	2.5 U
1,2-dichlorobenzene	µg/L		0.50	1.40	1.40	0.50 U	0.50 U	0.11 J	0.50 U	0.50 U	2.5 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2,4-trichlorobenzene	µg/L		0.50	0.25 J	0.24 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-1A	EW-1B	EW-1C	EW-2A	EW-2B	EW-2C	EW-3A	EW-3B	EW-3C	EW-4A
sampling date				10/22/03	10/22/03	10/22/03	10/23/03	10/21/03	10/21/03		10/21/03	10/21/03	10/20/03
metals		IDL	CRDL							ns - dry			
aluminum (Al)	µg/L	57.0	200.0	200 U	200 U	24.5 J	706.0	35.0 J	34.6 J		271.0	200 U	19.1 J
antimony (Sb)	µg/L	1.2	60.0	60.0 U	60.0 U	6.7 J	60.0 U	60.0 U	60.0 U		60.0 U	60.0 U	60.0 U
arsenic (As)	µg/L	3.0	10.0	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U		15.0 U	15.0 U	15.0 U
barium (Ba)	µg/L	0.30	200.0	66.0 J	49.1 J	109 J	8.3 J	76.5 J	72.6 J		14.4 J	36.0 J	77.3 J
beryllium (Be)	µg/L	0.20	5.0	0.07 J	5.0 U	0.26 J	5.0 U	0.16 J	0.55 J		0.050 J	0.070 J	0.18 J
cadmium (Cd)	µg/L	0.30	5.0	5.0 U	5.0 U	0.33 J	0.44 J	0.55 J	0.45 J		5.0 U	5.0 U	5.0 U
calcium (Ca)	µg/L	15.0	5000.0	16,600.0	60,700.0	37,900.0	3,630.0 J	16,900.0	11,000.0		3,470.0 J	5,770.0	8,420.0
chromium (Cr)	µg/L	0.80	10.0	10.0 U	10.0 U	0.6 J	2.0 J	10.0 U	10.0 U		10.0 U	10.0 U	10.0 U
cobalt (Co)	µg/L	0.70	50.0	5.0 J	1.2 J	63.0	1.4 J	10.7 J	7.4 J		50.0 U	50.0 U	30.5 J
copper (Cu)	µg/L	1.5	25.0	3.2 J	25.0 U	5.2 J	6.1 J	4.2 J	6.6 J		25.0 U	25.0 U	4.1 J
iron (Fe)	µg/L	13.0	100.0	100 U	100 U	100 U	20,000.0	56.3 J	100 U		273.0	100 U	20.6 J
lead (Pb)	µg/L	1.2	3.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U		10.0 U	10.0 U	10.0 U
magnesium (Mg)	µg/L	12.0	5000.0	4,750.0 J	8,360.0	9,330.0	3,420.0 J	6,130.0	4,610.0 J		1,150.0 J	4,210.0 J	8,120.0
manganese (Mn)	µg/L	0.20	15.0	733.0	383.0	1,000.0	206.0	198.0	167.0		23.0	10.6 J	604.0
mercury (Hg)	µg/L	0.10	0.2	0.20 U	0.20 U	0.20 U	0.13 J	0.20 U	0.20 U		0.20 U	0.20 U	0.20 U
nickel (Ni)	µg/L	1.0	40.0	5.2 J	2.7 J	11.6 J	0.9 J	13.5 J	5.8 J		1.4 J	1.8 J	3.4 J
potassium (K)	µg/L	40.0	5000.0	6,190.0	14,400.0	19,500.0	1,360.0 J	2,950.0 J	4,420.0 J		725.0 J	1380.0 J	3,650 J
selenium (Se)	µg/L	3.0	5.0	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U		35.0 U	35.0 U	35.0 U
silver (Ag)	µg/L	0.80	10.0	10.0 U	10.0 U	0.76 J	0.57 J	10.0 U	0.72 J		10.0 U	10.0 U	10.0 U
sodium (Na)	µg/L	304	5000.0	12,800.0	112,000.0	74,400.0	6,090.0	51,900.0	39,600.0		3,770.0 J	18,200.0	19,200.0
thallium (Tl)	µg/L	2.4	10.0	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U		25.0 U	25.0 U	25.0 U
vanadium (V)	µg/L	0.70	50.0	50.0 U	50.0 U	50.0 U	3.6 J	0.66 J	50.0 U		50.0 U	50.0 U	50.0 U
zinc (Zn)	µg/L	1.1	20.0	17.2 J	2.9 J	35.8 J	34.8 J	34.8 J	24.6 J		8.5 J	9.6 J	18.7 J
field instrument							ns - LW			ns - dry			
pH	su			5.12	6.60	5.34		5.96	4.79		5.14	5.05	4.75
conductivity	mmhos/cm			0.247	1.130	0.877		0.475	0.387		0.037	0.187	0.267
turbidity	NTU			-0.3 R	10.3	-0.9 R		1.3	-1.9 R		20.5	14.0	4.0
DO	mg/L			6.87	0.00	0.00		4.78	4.57		8.09	4.90	3.32
temperature	°C			18.56	19.1	19.1		18.08	18.26		16.11	16.38	18.20
Eh (ORP)	mV			290	112	186		229	299		318	319	296

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UU: estimated not detected

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-4B	EW-4C	EW-4C-QC	SW-1	DW-1	SW-2	DW-2	EW-5	EW-6A	EW-6B
sampling date				10/20/03	10/20/03	10/20/03	10/23/03	10/21/03		10/22/03	10/22/03		abandoned
metals		IDL	CRDL						ns - dry			ns - dry	abandoned
aluminum (Al)	µg/L	57.0	200.0	13.8 J	34.0 J	21.6 J	5,860.0	200 U		64.5 J	44.9 J		
antimony (Sb)	µg/L	1.2	60.0	60.0 U	60.0 U	60.0 U	4.9 J	60.0 U		60.0 U	60.0 U		
arsenic (As)	µg/L	3.0	10.0	15.0 U	2.8 J	15.0 U	4.5 J	15.0 U		15.0 U	15.0 U		
barium (Ba)	µg/L	0.30	200.0	55.1 J	63.7 J	62.6 J	77.9 J	31.8 J		47.0 J	124.0 J		
beryllium (Be)	µg/L	0.20	5.0	0.23 J	0.090 J	0.12 J	0.27 J	5.0 U		0.37 J	0.48 J		
cadmium (Cd)	µg/L	0.30	5.0	0.31 J	5.0 U	0.311 J	1.8 J	5.0 U		5.0 U	0.45 J		
calcium (Ca)	µg/L	15.0	5000.0	11,100.0	11,400.0	11,000.0	20,800.0	17,800.0		23,500.0	48,200.0		
chromium (Cr)	µg/L	0.80	10.0	10.0 U	10.0 U	10.0 U	13.4	0.65 J		10.0 U	10.0 U		
cobalt (Co)	µg/L	0.70	50.0	3.7 J	5.9 J	6.1 J	57.4	50.0 U		2.9 J	31.2 J		
copper (Cu)	µg/L	1.5	25.0	5.7 J	25.0 U	25.0 U	47.8	25.0 U		4.1 J	5.8 J		
iron (Fe)	µg/L	13.0	100.0	100 U	77.8 J	62.8 J	11400.0	2,470		100 U	101.0		
lead (Pb)	µg/L	1.2	3.0	10.0 U	10.0 U	10.0 U	20.4	10.0 U		10.0 U	10.0 U		
magnesium (Mg)	µg/L	12.0	5000.0	3,110.0 J	2,240.0 J	2,230.0 J	3,780.0 J	2,080.0 J		4,570.0 J	16,400.0		
manganese (Mn)	µg/L	0.20	15.0	113.0	76.8	80.1	253.0	346.0		54.0	762.0		
mercury (Hg)	µg/L	0.10	0.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		0.20 U	0.20 U		
nickel (Ni)	µg/L	1.0	40.0	3.2 J	3.2 J	2.6 J	135.0	40.0 U		3.1 J	23.4 J		
potassium (K)	µg/L	40.0	5000.0	4,970 J	4,060 J	4,000 J	1,530.0 J	8,290		8,410.0	17,600.0		
selenium (Se)	µg/L	3.0	5.0	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U		35.0 U	35.0 U		
silver (Ag)	µg/L	0.80	10.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U		0.58	10.0 U		
sodium (Na)	µg/L	304	5000.0	7,910.0	11,300.0	11,300.0	9,060.0	66,400.0		97,200.0	75,500.0		
thallium (Tl)	µg/L	2.4	10.0	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U		25.0 U	25.0 U		
vanadium (V)	µg/L	0.70	50.0	50.0 U	50.0 U	50.0 U	14.3 J	50.0 U		50.0 U	50.0 U		
zinc (Zn)	µg/L	1.1	20.0	21.7 J	16.6 J	14.0 J	42.5 J	5.2 J		9.7 J	37.3 J		
field instrument							ns - LW		ns - dry			ns - dry	abandoned
pH	su			5.26	5.38			6.27		5.10	5.47		
conductivity	mmhos/cm			0.160	0.172			0.552		0.777	0.975		
turbidity	NTU			1.7	4.1			15.5		-2.9 R	-0.7 R		
DO	mg/L			2.44	6.38			0.00		0.27	0.00		
temperature	°C			18.18	18.26			18.08		17.79	18.59		
Eh (ORP)	mV			246	241			-17		250	203		

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	EW-6C	MW-6D	MW-8B	MW-8C	MW-10B	MW-10C	MW-10D	BP-3A	BP-3B	BP-3C
sampling date				10/23/03	10/22/03	10/22/03	10/22/03	10/22/03	10/21/03	10/21/03		10/20/03	10/20/03
metals		IDL	CRDL	start here							ns - dry		
aluminum (Al)	µg/L	57.0	200.0	178.0	33.5 J	402.0	24.4 J	12.0 J	46.0 J	56.9 J		12.4 J	18.4 J
antimony (Sb)	µg/L	1.2	60.0	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U		60.0 U	60.0 U
arsenic (As)	µg/L	3.0	10.0	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U		15.0 U	15.0 U
barium (Ba)	µg/L	0.30	200.0	5.9 J	103.0 J	131.0 J	64.8 J	42.1 J	65.7 J	56.7 J		34.9 J	72.1 J
beryllium (Be)	µg/L	0.20	5.0	5.0 U	5.0 U	1.7 J	0.16 J	0.06 J	0.39 J	0.04 J		0.2 J	0.24 J
cadmium (Cd)	µg/L	0.30	5.0	0.6 J	0.7 J	4.1 J	5.0 U	5.0 U	0.73 J	0.95 J		5.0 U	5.0 U
calcium (Ca)	µg/L	15.0	5000.0	4,580.0 J	1,840.0	76,300.0	7,010.0	7,920.0	5,740.0	12,300		2,170.0 J	8,930.0
chromium (Cr)	µg/L	0.80	10.0	1.1 J	1.0 J	1.9 J	10.0 U	10.0 U	10.0 U	10.0 U		8.4 J	27.2
cobalt (Co)	µg/L	0.70	50.0	17.8 J	192.0	112.0	2.4 J	50.0 U	2.6 J	1.5 J		1.8 J	1.4 J
copper (Cu)	µg/L	1.5	25.0	65.8	338.0	90.9	23.6 J	11.3 J	44.2	109.0		25.0 U	25.0 U
iron (Fe)	µg/L	13.0	100.0	254.0	495	117.0	149.0	302.0	497.0	804.00		100 U	97.7 J
lead (Pb)	µg/L	1.2	3.0	10.0 U	60.1	12.5 J	7.6 J	10.0 U	5.7 J	17.1		10.0 U	10.0 U
magnesium (Mg)	µg/L	12.0	5000.0	1,220.0 J	9,730.0	35,800.0	2,360.0 J	4,190.0 J	2,830.0 J	4,260.0 J		1,940.0 J	6,190.0
manganese (Mn)	µg/L	0.20	15.0	22.1	1,810.0	2,660.0	12.6 J	18.4	79.1	22.8		21.6	27.7
mercury (Hg)	µg/L	0.10	0.2	0.20 U	0.20 U	0.61	0.20 U	0.20 U	0.20 U	0.20 U		0.20 U	0.20 U
nickel (Ni)	µg/L	1.0	40.0	8.0	138.0	83.4	4.9 J	1.5 J	7.2 J	4.7 J		71.1	51.7
potassium (K)	µg/L	40.0	5000.0	890.0 J	24,500.0 J	39,700.0 J	1,450.0 J	1,350.0 J	1,450.0 J	1,860 J		1,190.0 J	1,950.0 J
selenium (Se)	µg/L	3.0	5.0	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U		35.0 U	35.0 U
silver (Ag)	µg/L	0.80	10.0	1.4 J	0.62 J	10.0 U	10.0 U	10.0 U	10.0 U	0.78 J		10.0 U	10.0 U
sodium (Na)	µg/L	304	5000.0	1,230.0 J	59,900.0	32,700.0	16,200.0	9,010.0	8,550.0	18,100.0		7,750.0	20,000.0
thallium (Tl)	µg/L	2.4	10.0	25.0 U	5.7 J	6.5 J	25.0 U	25.0 U	25.0 U	25.0 U		25.0 U	25.0 U
vanadium (V)	µg/L	0.70	50.0	2.6 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		50.0 U	50.0 U
zinc (Zn)	µg/L	1.1	20.0	208.0	706.0	386.0	73.7	89.4	428.0	454.0		8.8 J	12.8 J
field instrument											ns - dry	NM ^a	NM ^a
pH	su			5.50	3.49	4.60	4.91	5.05	5.63	4.79			
conductivity	mmhos/cm			0.035	0.800	2.900	0.177	0.154	0.116	0.243			
turbidity	NTU			12.5	13.3	9.0	14.3	16.8	1.7	0.0			
DO	mg/L			0.00	0.99	0.00	6.35	6.07	11.71	10.03			
temperature	°C			17.41	15.16	13.91	12.16	11.22	16.16	18.77			
Eh (ORP)	mV			142	418	327	329	368	312	4.82			

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-9
Claremont Polychemical Superfund Site
October, 2003 Groundwater Monitoring Data

Analyte	units	MDL	CRQL	LF-2	LF-2 QC	WT-1	PPW-1	EXT-1	EXT-1-QC	EXT-2	EXT-3
sampling date				10/23/03	10/23/03	10/22/03	10/23/03	10/28/03	10/28/03	10/28/03	10/28/03
metals		IDL	CRDL								
aluminum (Al)	µg/L	57.0	200.0	13,600.0	12,600.0	489.0	15.2 J	26.9 J	30.7 J	54.0 J	37.7 J
antimony (Sb)	µg/L	1.2	60.0	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U	60.0 U
arsenic (As)	µg/L	3.0	10.0	144.0	138.0	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U	15.0 U
barium (Ba)	µg/L	0.30	200.0	111.0	110.0 J	50.4 J	155.0 J	72.5 J	71.9 J	89.8 J	85.6 J
beryllium (Be)	µg/L	0.20	5.0	0.070 J	0.080 J	0.040 J	0.070 J	0.17 J	0.20	0.31 J	0.30 J
cadmium (Cd)	µg/L	0.30	5.0	0.46 J	0.34 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
calcium (Ca)	µg/L	15.0	5000.0	76,800.0	77,200.0	16,700.0	4,300.0 J	33,200.0	32,800.0	20,200.0	14,600.0
chromium (Cr)	µg/L	0.80	10.0	15.8	15.4	0.61 J	10.0 U	10.0 U	10.0 U	0.52 J	10.0 U
cobalt (Co)	µg/L	0.70	50.0	9.4 J	9.4 J	50.0 U	50.0 U	13.6 J	13.6 J	13.5 J	14.2 J
copper (Cu)	µg/L	1.5	25.0	76.5	71.7	10.2 J	5.4 J	13.6 J	10.8 J	43.4	30.9
iron (Fe)	µg/L	13.0	100.0	8,660.0	9,310.0	833.0	36,600.0	176.0	201.0	795.0	157.0
lead (Pb)	µg/L	1.2	3.0	11.3 J	13.0	10.0 UJ	5.7 J	10.0 UJ	10.0 U	11.7	6.6 J
magnesium (Mg)	µg/L	12.0	5000.0	18,400.0	18,300.0	8,970.0	1,400.0 J	8,470.0	8,440.0	7,240.0	5,960.0
manganese (Mn)	µg/L	0.20	15.0	775.0	782.0	36.1	535.0	492.0	485.0	398.0	334.0
mercury (Hg)	µg/L	0.10	0.2	0.1 J	0.1 J	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
nickel (Ni)	µg/L	1.0	40.0	16.5 J	16.3 J	40.0 U	40.0 U	5.9 J	6.5 J	7.3 J	5.5 J
potassium (K)	µg/L	40.0	5000.0	147,000.0 J	149,000.0 J	7,870.0 J	1,000.0 J	16,800.0	17,400.0	11,300.0	8,670.0
selenium (Se)	µg/L	3.0	5.0	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U	35.0 U
silver (Ag)	µg/L	0.80	10.0	10.0 U	0.5 J	0.5 J	10.0 U	0.6 J	10.0 U	10.0 U	10.0 U
sodium (Na)	µg/L	304	5000.0	784,000.0	776,000.0	24,900.0	8,690.0	106,000.0	104,000.0	76,000.0	33,500.0
thallium (Tl)	µg/L	2.4	10.0	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
vanadium (V)	µg/L	0.70	50.0	4.1 J	4.5 J	1.2 J	2.5 J	50.0 U	50.0 U	50.0 U	50.0 U
zinc (Zn)	µg/L	1.1	20.0	49.6 J	58.5 J	31.5 J	24.7 J	910.0	812.0	997.0	545.0
field instrument											
pH	su			7.04		6.05	6.88	5.94		5.40	5.11
conductivity	mmhos/cm			5.5		0.353	0.213	0.931		0.656	0.369
turbidity	NTU			2.3		45.6	16.6	4.6		15.6	1.4
DO	mg/L			0.00		8.77	0.00	1.03		1.97	2.89
temperature	°C			20.09		10.32	9.41	18.74		18.16	18.36
Eh (ORP)	mV			-133.0		305.0	-150.0	114		152	184

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

Table 4-10
Claremont Polychemical Superfund Site
October 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min.	detected max.	min. well	max. well	no. sampled	no. detected	detected min.	detected max.	min. well	max. well
sampling date				Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03
VOCs															
dichlorodifluoromethane	µg/L	0.50	29	1			9.9		BP-3C	4	0	-	-	-	-
chloromethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
vinyl chloride	µg/L	0.50	29	1			3.0		BP-3C	4	0	-	-	-	-
bromomethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
chloroethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
trichlorofluoromethane	µg/L	0.50	29	3	0.075	1.7		EW-5	BP-3C	4	1		0.42		EXT-1
1,1-dichloroethene	µg/L	0.50	29	4	1.4	12.0		BP-3C	MW-10C	4	2	3.1	12.0	EXT-2	EXT-3
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	0.50	29	3	0.074	3.2		EW-1A	BP-3C	4	0	-	-	-	-
acetone	µg/L	5.0	29	1			2.2		EW-2B	4	0	-	-	-	-
carbon disulfide	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
methyl acetate	µg/L	0.50	29	1			1.1		PPW-1	4	0	-	-	-	-
methylene chloride	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
trans-1,2-dichloroethene	µg/L	0.50	29	5	0.18	0.43		BP-3B	BP-3C	4	0	-	-	-	-
tert-butyl methyl ether	µg/L	0.50	29	4	1.2	2.4		MW-8B	LF-2	4	2	0.19	0.26	EXT-2	EXT-1
1,1-dichloroethane	µg/L	0.50	29	9	0.3	4.3		BP-3B	BP-3C	4	2	0.4	3.5	EXT-1	EXT-3
cis-1,2-dichloroethene	µg/L	0.50	29	17	0.14	96.0		WT-1	BP-3C	4	2	4.0	16.0	EXT-1	EXT-3
2-butanone	µg/L	5.0	29	0	-	-	-	-	-	4	0	-	-	-	-
bromochloromethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
chloroform	µg/L	0.50	29	7	0.33	1.1		EW-3C	BP-3C	4	0	-	-	-	-
1,1,1-trichloroethane	µg/L	0.50	29	14	0.4	31.0		MW-10C	MW-10D	4	2	2.9	21.0	EXT-1	EXT-3
cyclohexane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
carbon tetrachloride	µg/L	0.50	29	2	0.08	0.27		MW-10C	MW-10D	4	0	-	-	-	-
benzene	µg/L	0.50	29	3	0.23	1.7		BP-3C	LF-2, LF-2QC	4	0	-	-	-	-
1,2-dichloroethane	µg/L	0.50	29	8	0.089	3.6		DW-1	EW-5	4	1		0.077		EXT-1QC
trichloroethene	µg/L	0.50	29	16	0.73	390		MW-8B	EW-4QC	4	4	35.0	300.0	EXT-1	EXT-3
methylcyclohexane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
1,2-dichloropropane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
bromodichloromethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
cis-1,3-dichloropropene	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
4-methyl-2-pentanone	µg/L	5.0	29	0	-	-	-	-	-	4	0	-	-	-	-
toluene	µg/L	0.50	29	3	0.2	2.6		LF-2, LF-2QC	MW-8B	4	1		0.041		EXT-2
trans-1,3-dichloropropene	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
1,1,2-trichloroethane	µg/L	0.50	29	3	0.14	0.27		EW-5	EW-3C	4	2	0.12	0.14	EXT-1QC	EXT-1
tetrachloroethene	µg/L	0.50	29	15	1.3	1,300.0		MW-10B	SW-1	4	4	19.0	86.0	EXT-3	EXT-1
2-hexanone	µg/L	5.0	29	0	-	-	-	-	-	4	0	-	-	-	-
dibromochloromethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
1,2-dibromoethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
chlorobenzene	µg/L	0.50	29	2	2.1	2.2		LF-2QC	LF-2	4	2	0.2	0.26	EXT-1QC	EXT-1
ethylbenzene	µg/L	0.50	29	2	0.042	0.045		LF-2QC	LF-2	4	3	0.017	0.023	EXT-1QC	EXT-2
xylene (total)	µg/L	0.50	29	2	1.2	1.2		LF-2, LF-2QC	LF-2, LF-2QC	4	0	-	-	-	-
styrene	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
bromoform	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
isopropylbenzene	µg/L	0.50	29	2	1.7	1.7		LF-2, LF-2QC	LF-2, LF-2QC	4	2	0.032	0.033	EXT-1	EXT-1QC
1,1,2,2-tetrachloroethane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
1,3-dichlorobenzene	µg/L	0.50	29	2	0.13	0.13		LF-2, LF-2QC	LF-2, LF-2QC	4	0	-	-	-	-
1,4-dichlorobenzene	µg/L	0.50	29	3	0.042	3.3		MW-10B	LF-2QC	4	2	0.21	0.21	EXT-1, 1QC	EXT-1, 1QC
1,2-dichlorobenzene	µg/L	0.50	29	3	0.025	1.4		MW-10B	LF-2, LF-2QC	4	1		0.11		EXT-1
1,2-dibromo-3-chloropropane	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-
1,2,4-trichlorobenzene	µg/L	0.50	29	2	0.24	0.25		LF-2	LF-2QC	4	0	-	-	-	-
1,2,3-trichlorobenzene	µg/L	0.50	29	0	-	-	-	-	-	4	0	-	-	-	-

Table 4-10
Claremont Polychemical Superfund Site
October 2003 Groundwater Monitoring Data Summary

Analyte	units	MDL	CRQL	Monitoring Wells						Extraction Wells					
				no. sampled	no. detected	detected min	detected max	min. well	max. well	no. sampled	no. detected	detected min	detected max	min. well	max. well
sampling date				Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03	Oct. 03
metals		IDL	CRDL												
aluminum (Al)	µg/L	57.0	200.0	29	25	12.4	13600	BP-3B	LF-2	4	4	26.9	54.0	EXT-1	EXT-2
antimony (Sb)	µg/L	1.2	60.0	29	2	4.9	6.7	SW-1	EW-1C	4	0	-	-	-	-
arsenic (As)	µg/L	3.0	10.0	29	3	4.5	144	SW-1	LF-2	4	0	-	-	-	-
barium (Ba)	µg/L	0.30	200.0	29	29	5.9	155	EW-6C	PPW-1	4	4	71.9	89.8	EXT-1QC	EXT-2
beryllium (Be)	µg/L	0.20	5.0	29	24	0.04	1.7	WT-1	MW-8B	4	4	0.17	0.31	EXT-1	EXT-2
cadmium (Cd)	µg/L	0.30	5.0	29	13	0.31	1.7	EW-4B, 4CQC	MW-8B	4	0	-	-	-	-
calcium (Ca)	µg/L	15.0	5000.0	29	29	2,170.0	77,200.0	BP-3B	LF-2QC	4	4	14,600.0	33,200.0	EXT-3	EXT-1
chromium (Cr)	µg/L	0.80	10.0	29	12	0.61	27.2	EW-1C, WT-1	BP-3C	4	1	0.52	0.52	-	EXT-2
cobalt (Co)	µg/L	0.70	50.0	29	23	1.2	192	EW-1B	MW-6D	4	4	13.5	14.2	EXT-2	EXT-3
copper (Cu)	µg/L	1.5	25.0	29	20	3.2	338	EW-1A	MW-6D	4	4	13.6	43.4	EXT-1	EXT-2
iron (Fe)	µg/L	13.0	100.0	29	21	20.6	36,600.0	EW-4A	PPW-1	4	4	157.0	795.0	EXT-3	EXT-2
lead (Pb)	µg/L	1.2	3.0	29	9	5.7	60.1	MW-10C, PPW-1	MW-6D	4	2	6.6	11.7	EXT-3	EXT-2
magnesium (Mg)	µg/L	12.0	5000.0	29	29	1,150.0	35,800.0	EW-3B	MW-8B	4	4	5,960.0	8,470.0	EXT-3	EXT-1
manganese (Mn)	µg/L	0.20	15.0	29	29	10.6	2,660.0	EW-3C	MW-8B	4	4	334.0	492.0	EXT-3	EXT-1
mercury (Hg)	µg/L	0.10	0.2	29	4	0.1	0.61	LF-2QC	MW-8B	4	0	-	-	-	-
nickel (Ni)	µg/L	1.0	40.0	29	26	0.89	138	EW-2A	MW-6D	4	4	5.5	7.3	EXT-2	EXT-3
potassium (K)	µg/L	40.0	5000.0	29	29	725	14,900.0	EW-3B	LF-2QC	4	4	8,670.0	17,400.0	EXT-3	EXT-1QC
selenium (Se)	µg/L	3.0	5.0	29	0	-	-	-	-	4	0	-	-	-	-
silver (Ag)	µg/L	0.80	10.0	29	6	0.52	1.4	LF-2QC	EW-6C	4	1	0.6	0.6	-	EXT-1
sodium (Na)	µg/L	304	5000.0	29	29	1,230.0	776,000.0	EW-6C	LF-2QC	4	4	33,500.0	106,000.0	EXT-3	EXT-1
thallium (Tl)	µg/L	2.4	10.0	29	2	5.7	6.5	MW-6D	MW-8B	4	0	-	-	-	-
vanadium (V)	µg/L	0.70	50.0	29	6	1.2	14.3	WT-1	SW-1	4	0	-	-	-	-
zinc (Zn)	µg/L	1.1	20.0	29	29	2.9	706	EW-1B	MW-6D	4	4	545.0	997.0	EXT-3	EXT-2
field instrument															
pH	su			23	23	3.49	7.04	MW-6D	LF-2	3	3	5.11	5.94	EXT-3	EXT-1
conductivity	µmhos/cm			23	23	0.035	5.5	EW-6C	LF-2	3	3	0.369	0.931	EXT-3	EXT-1
turbidity	NTU			23	17	1.3	45.6	EW-2B	WT-1	3	3	1.4	15.6	EXT-3	EXT-2
DO	mg/L			23	15	0.27	11.71	DW-2	MW-10C	3	3	1.03	2.89	EXT-1	EXT-3
temperature	°C			23	23	11.22	20.09	MW-10B	LF-2	3	3	18.16	18.74	EXT-2	EXT-1
Eh (ORP)	mV			23	23	-150	368	PPW-1	MW-10B	3	3	114	184	EXT-1	EXT-3

• no results

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
vinyl chloride																			
vinyl chloride	May-00	site	µg/L	15	0	-	-	-	-	-	-	28	0	-	-	-	-		
vinyl chloride	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
vinyl chloride	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
vinyl chloride	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
vinyl chloride	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
vinyl chloride	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
vinyl chloride	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
vinyl chloride	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
vinyl chloride	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Oct 02	all	µg/L	24	1		1.0			BP-3C	6								
vinyl chloride	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
vinyl chloride	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Apr 03	all	µg/L	29	1		3.4			BP-3C	6								
vinyl chloride	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Jul 03	all	µg/L	28	1		4.5			BP-3C	6								
vinyl chloride	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	0	-	-	-	-		
vinyl chloride	Oct 03	all	µg/L	29	1		3.0			BP-3C	6								
total, site wells				184	0	-	-	-	-	-	-	72	0	-	-	-	-		
total, all wells				242	4	1.0	4.5	BP-3C	6	BP-3C	6								
1,1-dichloroethene																			
1,1-dichloroethene	May-00	site	µg/L	15	4	1.0	5.0	EW-4B	2	EW-2C	3	28	8	1.0	67.0	EXT-1	EXT-3		
1,1-dichloroethene	Sep-00	site	µg/L	15	3	0.90	11.0	EW-2B	2	EW-2C	3	6	2	2.0	7.0	EXT-2	EXT-3		
1,1-dichloroethene	Feb-01	site	µg/L	13	2	14.0	61.0	EW-2B	2	EW-2C	3	3	3	0.70	12.0	EXT-1	EXT-3		
1,1-dichloroethene	May-01	site	µg/L	13	3	0.60	93.0	EW-5	4	EW-2C	3	3	2	4.0	23.0	EXT-2	EXT-3		
1,1-dichloroethene	Aug-01	site	µg/L	14	4	0.40	52.0	EW-2A	1	EW-2C	3	2	2	4.0	16.0	EXT-2	EXT-3		
1,1-dichloroethene	Nov 01	site	µg/L	14	5	0.20	44.0	EW-2A	1	EW-2C	3	3	2	1.0	17.0	EXT-1	EXT-3		
1,1-dichloroethene	Feb 02	site	µg/L	12	2	1.0	18.0	DW-2	2	EW-2C	3	-	-	-	-	-	-		
1,1-dichloroethene	May 02	site	µg/L	13	4	1.0	20.2	EW-5	4	EW-2C	3	3	3	0.79	17.0	EXT-1	EXT-3		
1,1-dichloroethene	Aug 02	site	µg/L	11	6	0.25	17.0	EW-4A	1	EW-2C	3	4	4	0.69	15.0	EXT-1	EXT-3		
1,1-dichloroethene	Oct 02	site	µg/L	11	2	0.10	12.0	EW-1B	2	EW-2C	3	4	2	3.7	15.0	EXT-2	EXT-3		
1,1-dichloroethene	Oct 02	all	µg/L	24	2	0.10	12.0	EW-1B	2	EW-2C	3								
1,1-dichloroethene	Jan 03	site	µg/L	12	3	0.74	2.7	EW-5	4	EW-4C	3	4	2	3.3	3.8	EXT-2	EXT-3		
1,1-dichloroethene	Jan 03	all	µg/L	12	3	0.74	2.7	EW-5	4	EW-4C	3								
1,1-dichloroethene	Apr 03	site	µg/L	13	4	0.48	11.0	EW-4A	1	EW-2C	3	4	1		4.6		EXT-2		
1,1-dichloroethene	Apr 03	all	µg/L	29	5	0.48	12.0	EW-4A	1	EW-3C	3								
1,1-dichloroethene	Jul 03	site	µg/L	13	6	0.58	17	EW-4C	3	EW-2C	3	4	4	1.8	16.0	EXT-1, EXT-1Q	EXT-3		
1,1-dichloroethene	Jul 03	all	µg/L	28	10	0.33	51.0	EW-4A	1	MW-10C	5								
1,1-dichloroethene	Oct 03	site	µg/L	15	1		12.0			EW-2C	3	4	2	3.1	12.0	EXT-2	EXT-3		
1,1-dichloroethene	Oct 03	all	µg/L	29	4	1.4	12.0	BP-3C	6	EW-2C, MW-10C	3, 5								
total, site wells				184	49	0.10	93.0	EW-1B	2	EW-2C	3	72	37	0.69	67.0	EXT-1	EXT-3		
total, all wells				242	57	0.10	93.0	EW-1B	2	EW-2C	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
acetone																			
acetone	May-00	site	µg/L	15	3	0.20	0.2 - 11.0	EW-1C	3	EW-4C	3	28	13	11.0	580.0	EXT-1	EXT-3		
acetone	Sep-00	site	µg/L	15	7	2.0	2.0 - 16.0	EW-4A,AQC,B	1,2	SW-1	1	6	4	50.0	100.0	EXT-1	EXT-2,3		
acetone	Feb-01	site	µg/L	13	2		5.0	-	-	DW-1, DW-2QC	2	3	1	28.0	28.0	-	EXT-3		
acetone	May-01	site	µg/L	13	9	1.0	120.0	EW-5	4	EW-4C	3	3	2	3.0	5.0	EXT-2	EXT-1		
acetone	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	2	25.0	170.0	EXT-2	EXT-3		
acetone	Nov 01	site	µg/L	14	3	3.0	63.0	EW-2C	3	EW-1A	1	3	0	-	-	-	-		
acetone	Feb 02	site	µg/L	12	1		9.0	-	-	EW-4B	2	-	-	-	-	-	-		
acetone	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
acetone	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
acetone	Oct 02	site	µg/L	11	1		51.0	-	-	EW-5	4	4	0	-	-	-	-		
acetone	Oct 02	all	µg/L	24	1		51.0	-	-	EW-5	4								
acetone	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
acetone	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
acetone	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
acetone	Apr 03	all	µg/L	29	0	-	-	-	-	-	-								
acetone	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
acetone	Jul 03	all	µg/L	28	0	-	-	-	-	-	-								
acetone	Oct 03	site	µg/L	15	1		2.2			EW-2B	2	4	0	-	-	-	-		
acetone	Oct 03	all	µg/L	29	1		2.2			EW-2B	2								
total, site wells				184	27	0.20	120.0	EW-1C	3	EW-4C	3	72	22	3.0	580.0	EXT-2	EXT-3		
total, all wells				242	27	0.20	120.0	EW-1C	3	EW-4C	3								
methylene chloride																			
methylene chloride	May-00	site	µg/L	15	8	0.30	16.0	W-1A,B;DW1Q	1,2	EW-4C	3	28	11	4.0	50.0	EXT-1	EXT-3		
methylene chloride	Sep-00	site	µg/L	15	8	0.60	66.0	EW-1B	2	SW-1	1	6	2	-	50.0	-	EXT-2,3		
methylene chloride	Feb-01	site	µg/L	13	7	0.80	48.0	EW-2C	3	EW-4C	3	3	1	-	10.0	-	EXT-3		
methylene chloride	May-01	site	µg/L	13	7	0.50	140.0	DW-2,EW-5	2,4	SW-1	1	3	3	8.0	12.0	EXT-1,2	EXT-3		
methylene chloride	Aug-01	site	µg/L	14	13	0.40	140.0	EW-4A	1	SW-1	1	2	2	13.0	40.0	EXT-2	EXT-3		
methylene chloride	Nov 01	site	µg/L	14	8	1.0	7.0	EW-2B,C, 4A	1,2,3	EW-1A	1	3	2	6.0	39.0	EXT-2	EXT-3		
methylene chloride	Feb 02	site	µg/L	12	7	0.40	4.0	DW-1,2	2	EW-2A,C; 4C	1,3	-	-	-	-	-	-		
methylene chloride	May 02	site	µg/L	13	1		1.8	-	-	EW-1B	2	3	0	-	-	-	-		
methylene chloride	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
methylene chloride	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
methylene chloride	Oct 02	all	µg/L	24	0	-	-	-	-	-	-								
methylene chloride	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
methylene chloride	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
methylene chloride	Apr 03	site	µg/L	13	1		0.25			EW-1A	1	4	0	-	-	-	-		
methylene chloride	Apr 03	all	µg/L	29	3	0.17	2.7	MW-8B	4	BP-3C	6								
methylene chloride	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
methylene chloride	Jul 03	all	µg/L	28	0	-	-	-	-	-	-								
methylene chloride	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	0	-	-	-	-		
methylene chloride	Oct 03	all	µg/L	29	0	-	-	-	-	-	-								
total, site wells				184	60	0.30	140.0	W-1A,B;DW1Q	1,2	SW-1	1	72	21	4.0	50.0	EXT-1	EXT-3		
total, all wells				242	62	0.30	140.0	W-1A,B;DW1Q	1,2	SW-1	1								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
trans-1,2-dichloroethene																			
trans-1,2-dichloroethene	May-00	site	µg/L	15	4	0.30	16.0	EW-4A	1	EW-2B	2	28	0	-	-	-	-		
trans-1,2-dichloroethene	Sep-00	site	µg/L	15	1	0.6	0.6	-	-	EW-5	4	6	0	-	-	-	-		
trans-1,2-dichloroethene	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
trans-1,2-dichloroethene	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
trans-1,2-dichloroethene	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
trans-1,2-dichloroethene	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
trans-1,2-dichloroethene	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
trans-1,2-dichloroethene	May 02	site	µg/L	13	1	1.0	1.0	-	-	EW-1C	3	3	0	-	-	-	-		
trans-1,2-dichloroethene	Aug 02	site	µg/L	11	1	0.71	0.71	-	-	EW-4C	3	4	2	0.10	0.26	EXT-2	EXT-3		
trans-1,2-dichloroethene	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	1	-	0.21	-	EXT-3		
trans-1,2-dichloroethene	Oct 02	all	µg/L	24	2	0.14	1.0	BP-3C	6	BP-3B	5	-	-	-	-	-	-		
trans-1,2-dichloroethene	Jan 03	site	µg/L	12	1	-	0.36	-	-	EW-4C	3	4	1	-	0.16	-	EXT-3		
trans-1,2-dichloroethene	Jan 03	all	µg/L	12	1	-	0.36	-	-	EW-4C	3	-	-	-	-	-	-		
trans-1,2-dichloroethene	Apr 03	site	µg/L	13	1	-	0.57	-	-	EW-4C	3	4	0	-	-	-	-		
trans-1,2-dichloroethene	Apr 03	all	µg/L	29	3	0.45	1.2	BP-3B	5	BP-3C	6	-	-	-	-	-	-		
trans-1,2-dichloroethene	Jul 03	site	µg/L	13	2	0.25	1.7	EW-2C	3	EW-4C	3	4	1	-	0.24	-	EXT-3		
trans-1,2-dichloroethene	Jul 03	all	µg/L	28	5	0.25	1.7	EW-2C	3	EW-4C	3	-	-	-	-	-	-		
trans-1,2-dichloroethene	Oct 03	site	µg/L	15	3	0.19	0.41	EW-2C	3	EW-4C	3	4	0	-	-	-	-		
trans-1,2-dichloroethene	Oct 03	all	µg/L	29	5	0.18	0.43	BP-3B	5	BP-3C	6	-	-	-	-	-	-		
total, site wells				184	14	0.30	16.0	EW-4A	1	EW-2B	2	72	5	0.10	0.26	EXT-2	EXT-3		
total, all wells				242	23	0.14	16.0	BP-3C	6	EW-2B	2								
1,1-dichloroethane																			
1,1-dichloroethane	May-00	site	µg/L	15	0	-	-	-	-	-	-	28	0	-	-	-	-		
1,1-dichloroethane	Sep-00	site	µg/L	15	1	-	5.0	-	-	EW-2C	3	6	1	-	4.0	-	EXT-3		
1,1-dichloroethane	Feb-01	site	µg/L	13	2	2.0	12.0	EW-2B	2	EW-2C	3	3	2	1.0	5.0	EXT-2	EXT-3		
1,1-dichloroethane	May-01	site	µg/L	13	3	0.6	17.0	EW-5	4	EW-2C	3	3	2	0.90	7.0	EXT-2	EXT-3		
1,1-dichloroethane	Aug-01	site	µg/L	14	2	1.0	8.0	EW-5	4	EW-2C	3	2	1	7.0	7.0	-	EXT-3		
1,1-dichloroethane	Nov 01	site	µg/L	14	2	0.6	6.0	DW-2	2	EW-2C	3	3	0	-	-	-	-		
1,1-dichloroethane	Feb 02	site	µg/L	12	1	-	3.0	-	-	EW-2C	3	-	-	-	-	-	-		
1,1-dichloroethane	May 02	site	µg/L	13	4	0.42	2.10	EW-1A QC	1	EW-2C	3	3	3	0.22	4.2	EXT-1	EXT-3		
1,1-dichloroethane	Aug 02	site	µg/L	11	6	0.15	1.90	EW-4A	1	EW-2C	3	4	4	0.23	4.4	EXT-1QC	EXT-3		
1,1-dichloroethane	Oct 02	site	µg/L	11	1	0.92	0.92	-	-	EW-2C	3	4	4	0.22	5.2	EXT-1	EXT-3		
1,1-dichloroethane	Oct 02	all	µg/L	24	4	0.56	1.6	BP-3B	5	MW-10C	5	-	-	-	-	-	-		
1,1-dichloroethane	Jan 03	site	µg/L	12	4	0.22	1.0	EW-1A	1	EW-5	4	4	4	0.28	3.8	EXT-3	EXT-1		
1,1-dichloroethane	Jan 03	all	µg/L	12	4	0.22	1.0	EW-1A	1	EW-5	4	-	-	-	-	-	-		
1,1-dichloroethane	Apr 03	site	µg/L	13	6	0.32	2.1	EW-1AQC	1	EW-2C	3	4	4	0.71	4.7	EXT-1	EXT-3		
1,1-dichloroethane	Apr 03	all	µg/L	29	11	0.32	8.3	EW-1AQC	1	BP-3C	6	-	-	-	-	-	-		
1,1-dichloroethane	Jul 03	site	µg/L	13	5	0.27	1.9	EW-1A	1	EW-2C	3	4	4	0.38	4.1	-	EXT-3		
1,1-dichloroethane	Jul 03	all	µg/L	28	12	0.22	7.3	MW-6D	4	BP-3C	6	-	-	-	-	-	-		
1,1-dichloroethane	Oct 03	site	µg/L	15	5	0.34	1.4	EW-1A	1	EW-2C	3	4	2	0.4	3.5	EXT-1	EXT-3		
1,1-dichloroethane	Oct 03	all	µg/L	29	9	0.3	4.3	BP-3B	5	BP-3C	6	-	-	-	-	-	-		
total, site wells				184	42	0.15	17.0	EW-4A	1	EW-2C	3	72	31	0.22	7.0	EXT-1	EXT-3		
total, all wells				242	61	0.15	17.0	EW-4A	1	EW-2C	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
cis-1,2-dichloroethene																			
cis-1,2-dichloroethene	May-00	site	µg/L	15	10	0.80	66.0	EW-1C	3	EW-4A	1	28	20	5.9	93.0	EXT-1	EXT-3		
cis-1,2-dichloroethene	Sep-00	site	µg/L	15	8	2.0	83.0	EW-5	4	EW-4A	1	6	6	8.0	56.0	EXT-1	EXT-2		
cis-1,2-dichloroethene	Feb-01	site	µg/L	13	8	0.90	56.0	EW-2A	1	EW-4C	3	3	3	7.0	29.0	EXT-1	EXT-3		
cis-1,2-dichloroethene	May-01	site	µg/L	13	8	0.60	63.0	EW-2A	1	SW-1	1	3	3	5.0	21.0	EXT-1	EXT-3		
cis-1,2-dichloroethene	Aug-01	site	µg/L	14	10	1.0	61.0	EW-1A	1	SW-1	1	2	2	13.0	20.0	EXT-2	EXT-3		
cis-1,2-dichloroethene	Nov 01	site	µg/L	14	7	0.80	10.0	EW-2A	1	EW-2C	3	3	3	6.0	16.0	EXT-1	EXT-2, 3		
cis-1,2-dichloroethene	Feb 02	site	µg/L	12	7	0.60	13.0	EW-2A	1	EW-4C	3	-	-	-	-	-	-		
cis-1,2-dichloroethene	May 02	site	µg/L	13	9	0.65	34.0	EW-4B	2	EW-4C	3	3	3	5.3	18.0	EXT-1	EXT-3		
cis-1,2-dichloroethene	Aug 02	site	µg/L	11	7	0.84	18.0	EW-4B	2	EW-4C	3	4	4	5.3	19.0	EXT-1, 1QC	EXT-3		
cis-1,2-dichloroethene	Oct 02	site	µg/L	11	6	0.60	11.0	EW-4B	2	EW-4C	3	4	4	5.0	19.0	EXT-1	EXT-3		
cis-1,2-dichloroethene	Oct 02	all	µg/L	24	14	0.12	25.0	MW-8B	4	BP-3C	6								
cis-1,2-dichloroethene	Jan 03	site	µg/L	12	7	0.89	17.0	EW-1A	1	EW-4C	3	4	4	4.3	23.0	EXT-1, 1QC	EXT-3		
cis-1,2-dichloroethene	Jan 03	all	µg/L	12	7	0.89	17.0	EW-1A	1	EW-4C	3								
cis-1,2-dichloroethene	Apr 03	site	µg/L	13	9	1.0	24.0	EW-1A,1AQC	1	EW-4C	3	4	4	4.5	19	EXT-1, EXT-1QC	EXT-3		
cis-1,2-dichloroethene	Apr 03	all	µg/L	29	19	0.18	200.0	LF-2	3	BP-3C	6								
cis-1,2-dichloroethene	Jul 03	site	µg/L	13	9	0.54	47.0	EW-1AQC	1	EW-2C	3	4	4	4.1	24	EXT-1QC	EXT-3		
cis-1,2-dichloroethene	Jul 03	all	µg/L	28	17	0.31	210.0	MW-6D	4	BP-3C	6								
cis-1,2-dichloroethene	Oct 03	site	µg/L	15	11	0.63	41.0	EW-1A	1	EW-2A	1	4	2	4	16	EXT-1	EXT-3		
cis-1,2-dichloroethene	Oct 03	all	µg/L	29	17	0.14	96.0	WT-1	1	BP-3C	6								
total, site wells				184	116	0.60	83.0	W-2A, EW-4A, MW-8B	1,2	EW-4A	1	72	62	4.1	93.0	EXT-1QC	EXT-3		
total, all wells				242	148	0.12	210.0	MW-8B	4	BP-3C	6								
chloroform																			
chloroform	May-00	site	µg/L	15	2	0.5	2.0	EW-1C	3	SW-1	1	28	4	2.0	4.0	EXT-1	EXT-3		
chloroform	Sep-00	site	µg/L	15	1	2.0	2.0	-	-	EW-2A	1	6	0	-	-	-	-		
chloroform	Feb-01	site	µg/L	13	2	0.5	0.6	EW-2C	3	EW-2A	1	3	0	-	-	-	-		
chloroform	May-01	site	µg/L	13	2	0.6	0.6	-	-	EW-2B,C	2,3	3	0	-	-	-	-		
chloroform	Aug-01	site	µg/L	14	3	0.6	2.0	EW-2B	2	EW-2A	1	2	0	-	-	-	-		
chloroform	Nov 01	site	µg/L	14	3	0.2	2.0	EW-2B	2	EW-2A	1	3	0	-	-	-	-		
chloroform	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
chloroform	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	2	0.17	0.38	EXT-2	EXT-3		
chloroform	Aug 02	site	µg/L	11	5	0.11	0.76	EW-1A	1	EW-2C	3	4	2	0.19	0.42	EXT-2	EXT-3		
chloroform	Oct 02	site	µg/L	11	2	0.16	0.41	EW-2B	2	EW-2C	3	4	2	0.18	0.43	EXT-2	EXT-3		
chloroform	Oct 02	all	µg/L	24	7	0.16	2.2	EW-2B	2	MW-10C	5								
chloroform	Jan 03	site	µg/L	12	2	0.17	0.18	EW-2B	2	EW-4C	3	4	1		0.38		EXT-3		
chloroform	Jan 03	all	µg/L	12	2	0.17	0.18	EW-2B	2	EW-4C	3								
chloroform	Apr 03	site	µg/L	13	1		0.43			EW-2C	3	4	0	-	-	-	-		
chloroform	Apr 03	all	µg/L	29	8	0.31	1.3	BP-3B	5	MW-10C	5								
chloroform	Jul 03	site	µg/L	13	1		0.6			EW-2C	3	4	1		0.39		EXT-3		
chloroform	Jul 03	all	µg/L	28	8	0.26	2.2	BP-3B	5	MW-10C	5								
chloroform	Oct 03	site	µg/L	15	2	0.38	0.84	EW-2C	3	EW-2A	1	4	0	-	-	-	-		
chloroform	Oct 03	all	µg/L	29	7	0.33	1.1	EW-3C	3	BP-3C	6								
total, site wells				184	26	0.11	2.0	EW-1A	1	SW-1, EW-2A	1	72	12	0.17	4.0	EXT-2	EXT-3		
total, all wells				242	50	0.11	2.2	EW-1A	1	MW-10C	5								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
1,1,1-trichloroethane																			
1,1,1-trichloroethane	May-00	site	µg/L	15	10	0.40	9.0	DW-2	2	EW-2C	3	28	5	3.0	11.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Sep-00	site	µg/L	15	5	3.0	28.0	EW-2A,B	1,2	EW-2C	3	6	3	2.0	18.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Feb-01	site	µg/L	13	3	3.0	140.0	EW-5	4	EW-2C	3	3	3	1.0	22.0	EXT-1	EXT-3		
1,1,1-trichloroethane	May-01	site	µg/L	13	6	0.60	170.0	EW-2A	1	EW-2C	3	3	3	2.0	37.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Aug-01	site	µg/L	14	7	2.0	110.0	EW-2A	1	EW-2C	3	2	2	9.0	45.0	EXT-2	EXT-3		
1,1,1-trichloroethane	Nov 01	site	µg/L	14	7	1.00	100.0	EW-4B	2	EW-2C	3	3	2	3.0	45.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Feb 02	site	µg/L	12	6	1.0	41.0	EW-2A	1	EW-2C	3	-	-	-	-	-	-		
1,1,1-trichloroethane	May 02	site	µg/L	13	9	0.18	63.0	DW-2	2	EW-2C	3	3	3	1.4	27.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Aug 02	site	µg/L	11	8	0.20	22.0	DW-2	2	EW-2C	3	4	4	1.4	26.0	EXT-1, 1QC	EXT-3		
1,1,1-trichloroethane	Oct 02	site	µg/L	11	6	0.10	22.0	DW-2	2	EW-2C	3	4	4	1.2	27.0	EXT-1	EXT-3		
1,1,1-trichloroethane	Oct 02	all	µg/L	24	11	0.10	22.0	DW-2	2	EW-2C,MW10C	3,5								
1,1,1-trichloroethane	Jan 03	site	µg/L	12	7	0.31	9.4	EW-1A	1	EW-4C	3	4	4	1.4	21.0	EXT-1 QC	EXT-3		
1,1,1-trichloroethane	Jan 03	all	µg/L	12	7	0.31	9.4	EW-1A	1	EW-4C	3								
1,1,1-trichloroethane	Apr 03	site	µg/L	13	7	0.63	23	EW-1A	1	EW-2C	3	4	4	2.8	18.0	EXT-1QC	EXT-3		
1,1,1-trichloroethane	Apr 03	all	µg/L	29	12	0.44	23.0	BP-3B	5	EW-2C	3								
1,1,1-trichloroethane	Jul 03	site	µg/L	13	8	0.48	33	EW-1AQC	1	EW-2C	3	4	4	3.1	33.0	EXT-1QC	EXT-3		
1,1,1-trichloroethane	Jul 03	all	µg/L	28	14	0.33	110.0	BP-3B	5	MW-10C	5								
1,1,1-trichloroethane	Oct 03	site	µg/L	15	9	0.51	23	EW-2B	2	EW-2C	3	4	2	2.9	21	EXT-1	EXT-3		
1,1,1-trichloroethane	Oct 03	all	µg/L	29	14	0.4	31.0	MW-10C	5	MW-10D	6								
total, site wells				184	98	0.10	170.0	DW-2	2	EW-2C	3	72	43	1.2	45.0	EXT-1	EXT-3		
total, all wells				242	119	0.10	170.0	DW-2	2	EW-2C	3								
benzene																			
benzene	May-00	site	µg/L	15	0	-	-	-	-	-	-	28	1	-	2.0	-	EXT-1		
benzene	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
benzene	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	1	-	0.2	-	EXT-2		
benzene	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
benzene	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
benzene	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
benzene	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
benzene	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
benzene	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	1	-	0.10	-	EXT-1QC		
benzene	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	2	1.2	1.2	EXT-1	EXT-1 QC		
benzene	Oct 02	all	µg/L	24	1	0.43	-	-	-	MW-6D	4								
benzene	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
benzene	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
benzene	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	1	-	0.14	-	EXT-1		
benzene	Apr 03	all	µg/L	29	1	-	0.35	-	-	BP-3C	6								
benzene	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
benzene	Jul 03	all	µg/L	28	4	0.36	1.2	BP-3C	6	LF-2	3								
benzene	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	0	-	-	-	-		
benzene	Oct 03	all	µg/L	29	3	0.23	1.7	BP-3C	6	LF-2, LF-2QC	3								
total, site wells				184	0	-	-	-	-	-	-	72	6	0.10	2.0	EXT-1 QC	EXT-1		
total, all wells				242	9	0.23	1.70	BP-3C	6	LF-2, LF-2QC	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
trichloroethene																			
trichloroethene	May-00	site	µg/L	15	13	0.20	660.0	EW-1A	1	EW-4C	3	28	26	1.0	1,900.0	EXT-1	EXT-3		
trichloroethene	Sep-00	site	µg/L	15	10	2.0	1,200.0	EW-1B	2	EW-4C	3	6	6	15.0	1,900.0	EXT-1	EXT-3		
trichloroethene	Feb-01	site	µg/L	13	8	4.0	4,200.0	EW-1A	1	EW-4C	3	3	3	17.0	1,300.0	EXT-1	EXT-3		
trichloroethene	May-01	site	µg/L	13	8	0.80	2,100.0	DW-2	2	EW-4C	3	3	3	47.0	1,100.0	EXT-1	EXT-3		
trichloroethene	Aug-01	site	µg/L	14	11	0.30	840.0	EW-1B	2	EW-4C	3	2	2	320.0	820.0	EXT-2	EXT-3		
trichloroethene	Nov 01	site	µg/L	14	10	0.30	490.0	EW-1B	2	EW-4C	3	3	3	62.0	770.0	EXT-1	EXT-3		
trichloroethene	Feb 02	site	µg/L	12	8	0.9	820.0	EW-2A	1	EW-4C	3	-	-	-	-	-	-		
trichloroethene	May 02	site	µg/L	13	11	0.55	1,100.0	EW-1B	2	EW-4C	3	3	3	20.0	620.0	EXT-1	EXT-3		
trichloroethene	Aug 02	site	µg/L	11	9	0.43	650.0	DW-1	2	EW-4C	3	4	4	21.0	580.0	EXT-1	EXT-3		
trichloroethene	Oct 02	site	µg/L	11	8	0.40	890.0	DW-2	2	EW-4C	3	4	4	34.0	780.0	EXT-1	EXT-3		
trichloroethene	Oct 02	all	µg/L	24	19	0.23	890.0	EW-3B	2	EW-4C	3								
trichloroethene	Jan 03	site	µg/L	12	12	0.17	990.0	EW-1A	1	EW-4C	3	4	4	38.0	1,500.0	EXT-1 QC	EXT-3		
trichloroethene	Jan 03	all	µg/L	12	12	0.17	990.0	EW-1A	1	EW-4C	3								
trichloroethene	Apr 03	site	µg/L	13	13	0.19	380.0	DW-1	1	EW-4C	3	4	4	26.0	580.0	EXT-1QC	EXT-3		
trichloroethene	Apr 03	all	µg/L	29	27	0.10	380.0	MW-8C	4	EW-4C	3								
trichloroethene	Jul 03	site	µg/L	13	9	0.37	770	EW-1B	2	EW-4C	3	4	4	42.0	580.0	EXT-1QC	EXT-3		
trichloroethene	Jul 03	all	µg/L	28	16	0.37	770.0	EW-1B	2	EW-4C	3								
trichloroethene	Oct 03	site	µg/L	15	9	1.6	390.0	EW-2B	2	EW-4CQC	3	4	4	35.0	300.0	EXT-1	EXT-3		
trichloroethene	Oct 03	all	µg/L	29	16	0.73	390.0	MW-8B	4	EW-4CQC	3								
total, site wells				184	139	0.23	4,200.0	EW-3B	2	EW-4C	3	72	70	1.0	1,900.0	EXT-1	EXT-3		
total, all wells				242	178	0.23	4,200.0	EW-3B	2	EW-4C	3								
toluene																			
toluene	May-00	site	µg/L	15	1		0.2	-	-	DW-2	2	28	6	0.5	2.0	EXT-1	EXT-3		
toluene	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
toluene	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
toluene	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
toluene	Aug-01	site	µg/L	14	1		0.4	-	-	EW-2C	3	2	1		4.0		EXT-3		
toluene	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
toluene	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
toluene	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
toluene	Aug 02	site	µg/L	11	1		0.33	-	-	EW-1A	1	4	0	-	-	-	-		
toluene	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
toluene	Oct 02	all	µg/L	24	1		0.87	-	-	MW-8B	4								
toluene	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
toluene	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
toluene	Apr 03	site	µg/L	13	2	0.056	0.1	RW-1	?	DW-2	2	4	0	-	-	-	-		
toluene	Apr 03	all	µg/L	29	13	0.051	0.17	EW-3C	3	EW-6C	4								
toluene	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
toluene	Jul 03	all	µg/L	28	0	-	-	-	-	-	-								
toluene	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	1		0.041		EXT-2		
toluene	Oct 03	all	µg/L	29	3	0.2	2.6	LF-2, LF-2QC	3	MW-8B	4								
total, site wells				184	5	0.20	0.4	DW-2	2	EW-2C	3	72	8	0.041	4.0	EXT-2	EXT-3		
total, all wells				242	20	0.051	2.6	EW-3C	3	MW-8B	4								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
tetrachloroethene																			
tetrachloroethene	May-00	site	µg/L	15	15	0.60	840.0	EW-1A	1	SW-1	1	28	27	55.0	1,900.0	EXT-1	EXT-2		
tetrachloroethene	Sep-00	site	µg/L	15	13	3.0	1900.0	DW-1	2	SW-1	1	6	6	110.0	1,300.0	EXT-3	EXT-2		
tetrachloroethene	Feb-01	site	µg/L	13	9	2.0	4200.0	EW-5	4	SW-1	1	3	3	70.0	350.0	EXT-3	EXT-2		
tetrachloroethene	May-01	site	µg/L	13	10	1.00	4500.0	DW-2,EW-5	2,4	SW-1	1	3	3	35.0	300.0	EXT-3	EXT-2		
tetrachloroethene	Aug-01	site	µg/L	14	13	0.80	7,100.0	DW-1	2	SW-1	1	2	2	32.0	280.0	EXT-2	EXT-3		
tetrachloroethene	Nov 01	site	µg/L	14	13	1.0	420.0	DW-1	2	EW-1A QC	1	3	3	31.0	330.0	EXT-3	EXT-2		
tetrachloroethene	Feb 02	site	µg/L	12	11	0.9	380.0	EW-5	4	EW-1A	1	-	-	-	-	-	-		
tetrachloroethene	May 02	site	µg/L	13	11	1.2	340.0	EW-1B	2	EW-1A	1	3	3	45.0	150.0	EXT-3	EXT-2		
tetrachloroethene	Aug 02	site	µg/L	11	11	0.43	140.0	EW-1A	1	EW-1C	3	4	4	21.0	280.0	EXT-3	EXT-2		
tetrachloroethene	Oct 02	site	µg/L	11	11	0.41	84.0	DW-2	2	EW-4A	1	4	4	19.0	190.0	EXT-3	EXT-2		
tetrachloroethene	Oct 02	all	µg/L	24	22	0.15	84.0	LF2-QC	3	EW-4A	1								
tetrachloroethene	Jan 03	site	µg/L	12	12	0.21	100.0	DW-2	2	EW-1A	1	4	4	16.0	170.0	EXT-3	EXT-2		
tetrachloroethene	Jan 03	all	µg/L	12	12	0.21	100.0	DW-2	2	EW-1A	1								
tetrachloroethene	Apr 03	site	µg/L	13	12	0.27	180.0	EW-5, RW-1	4, ?	EW-1AQC	1	4	4	14.0	120.0	EXT-3	EXT-1		
tetrachloroethene	Apr 03	all	µg/L	29	25	0.26	180.0	MW-6D	4	EW-1AQC	1								
tetrachloroethene	Jul 03	site	µg/L	13	11	0.27	200.0	DW-2	2	EW-1AQC	1	4	4	24.0	130.0	EXT-3	EXT-2		
tetrachloroethene	Jul 03	all	µg/L	28	18	0.27	200.0	DW-2	2	EW-1AQC	1								
tetrachloroethene	Oct 03	site	µg/L	15	10	1.7	1,300.0	EW-2A	1	SW-1	1	4	4	19.0	86.0	EXT-3	EXT-1		
tetrachloroethene	Oct 03	all	µg/L	29	15	1.3	1,300.0	MW-10B	4	SW-1	1								
total, site wells				184	162	0.41	7,100.0	DW-2	2	SW-1	1	72	71	19.0	1,900.0	EXT-3	EXT-2		
total, all wells				242	198	0.15	7,100.0	LF2-QC	3	SW-1	1								
chlorobenzene																			
chlorobenzene	May-00	site	µg/L	15	1		0.50	-	-	EW-1B	2	28	0	-	-	-	-		
chlorobenzene	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
chlorobenzene	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
chlorobenzene	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
chlorobenzene	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
chlorobenzene	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
chlorobenzene	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
chlorobenzene	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
chlorobenzene	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
chlorobenzene	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	1		0.18		EXT-1		
chlorobenzene	Oct 02	all	µg/L	24	2	0.11	0.59	EW-6C	4	MW-6D	4								
chlorobenzene	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	1		0.16		EXT-1		
chlorobenzene	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
chlorobenzene	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	1		0.20		EXT-1QC		
chlorobenzene	Apr 03	all	µg/L	29	2	1.1	2.2	MW-6D	4	LF-2	3								
chlorobenzene	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	1		0.2		EXT-1QC		
chlorobenzene	Jul 03	all	µg/L	28	3	0.85	2.1	MW-6D	4	LF-2	3								
chlorobenzene	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	2	0.20	0.26	EXT-1QC	EXT-1		
chlorobenzene	Oct 03	all	µg/L	29	2	2.1	2.2	LF-2QC	3	LF-2	3								
total, site wells				184	1		0.50			EW-1B	2	72	6	0.16	0.26	EXT-1	EXT-1QC		
total, all wells				242	10	0.11	2.2	EW-6C	4	LF-2	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
ethylbenzene																			
ethylbenzene	May-00	site	µg/L	15	0	-	-	-	-	-	-	28	0	-	-	-	-		
ethylbenzene	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
ethylbenzene	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
ethylbenzene	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
ethylbenzene	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
ethylbenzene	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
ethylbenzene	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
ethylbenzene	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
ethylbenzene	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
ethylbenzene	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
ethylbenzene	Oct 02	all	µg/L	24	0	-	-	-	-	-	-								
ethylbenzene	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
ethylbenzene	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
ethylbenzene	Apr 03	site	µg/L	13	1		0.051			RW-1	?	4	0	-	-	-	-		
ethylbenzene	Apr 03	all	µg/L	29	1		0.051			RW-1	?								
ethylbenzene	Jul 03	site	µg/L	13	1		0.51			RW-1	?	4	0	-	-	-	-		
ethylbenzene	Jul 03	all	µg/L	28	1		0.51			RW-1	?								
ethylbenzene	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	0	-	-	-	-		
ethylbenzene	Oct 03	all	µg/L	29	2	0.042	0.045	LF-2QC	3	LF-2	3								
total, site wells				184	2	0.051	0.51	RW-1		RW-1		72	0	-	-	-	-		
total, all wells				242	4	0.051	0.51	RW-1		RW-1									
xylenes (total)																			
xylenes (total)	May-00	site	µg/L	15	1	-	0.90	-	-	SW-1	1	28	4	0.30	18.0	EXT-1	EXT-3		
xylenes (total)	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-		
xylenes (total)	Feb-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
xylenes (total)	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
xylenes (total)	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
xylenes (total)	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
xylenes (total)	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
xylenes (total)	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
xylenes (total)	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
xylenes (total)	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	2	0.14	0.15	EXT-1 QC	EXT-1		
xylenes (total)	Oct 02	all	µg/L	24	0	-	-	-	-	-	-								
xylenes (total)	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
xylenes (total)	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
xylenes (total)	Apr 03	site	µg/L	13	1		0.18			RW-1	?	4	0	-	-	-	-		
xylenes (total)	Apr 03	all	µg/L	29	2	0.18	0.40	RW-1	?	WT-1	1								
xylenes (total)	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
xylenes (total)	Jul 03	all	µg/L	28	1		0.93			LF-2	3								
xylenes (total)	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	3	0.017	0.023	EXT-1QC	EXT-2		
xylenes (total)	Oct 03	all	µg/L	29	2	0.042	0.045	LF-2QC	3	LF-2	3								
total, site wells				184	2	0.18	0.90	RW-1	?	SW-1	1	72	9	0.017	18.0	EXT-1 QC	EXT-3		
total, all wells				242	6	0.18	0.93	RW-1	?	LF-2	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
antimony																			
antimony	May-00	site	µg/L	15	0	-	-	-	-	-	-	28	10	2.4	56.2	EXT-1	EXT-1		
antimony	Sep-00	site	µg/L	15	1	-	2.4	-	-	EW-2B	2	6	0	-	-	-	-		
antimony	Feb-01	site	µg/L	14	0	-	-	-	-	-	-	-	-	-	-	-	-		
antimony	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
antimony	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-		
antimony	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-		
antimony	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
antimony	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-		
antimony	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
antimony	Oct 02	site	µg/L	11	2	1.5	2.8	EW-4A	1	EW-1B	2	4	0	-	-	-	-		
antimony	Oct 02	all	µg/L	22	6	1.4	3.3	MW-10D	6	MW-8C	5								
antimony	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
antimony	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
antimony	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
antimony	Apr 03	all	µg/L	29	0	-	-	-	-	-	-								
antimony	Jul 03	site	µg/L	13	1		9.2			EW-1C	3	4	0	-	-	-	-		
antimony	Jul 03	all	µg/L	28	1		9.2			EW-1C	3								
antimony	Oct 03	site	µg/L	15	2	4.9	6.7	SW-1	1	EW-1C	3	4	0	-	-	-	-		
antimony	Oct 03	all	µg/L	29	2	4.9	6.7	SW-1	1	EW-1C	3								
total, site wells				185	6	1.5	9.2	EW-4A	1	EW-1C	3	69	10	2.4	56.2	EXT-1	EXT-1		
total, all wells				241	10	1.4	9.2	MW-10D	6	EW-1C	3								
arsenic																			
arsenic	May-00	site	µg/L	15	1	-	4.6	-	-	EW-1A	1	28	6	0.5	9.3	EXT-1	EXT-1		
arsenic	Sep-00	site	µg/L	15	2	2.3	11.4	EW-1C QC	3	SW-1	1	6	0	-	-	-	-		
arsenic	Feb-01	site	µg/L	14	1	-	2.7	-	-	DW-1	2	-	-	-	-	-	-		
arsenic	May-01	site	µg/L	13	2	5.6	5.7	EW-4A	1	EW-2A	1	3	0	-	-	-	-		
arsenic	Aug-01	site	µg/L	14	1	-	6.1	-	-	EW-2A	1	2	0	-	-	-	-		
arsenic	Nov 01	site	µg/L	14	2	5.3	5.4	DW-1	2	EW-2A	1	3	0	-	-	-	-		
arsenic	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-		
arsenic	May 02	site	µg/L	13	1	-	9.0	-	-	EW-2A	1	3	1	-	-	-	-		
arsenic	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
arsenic	Oct 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
arsenic	Oct 02	all	µg/L	22	3	15.6	44.1	LF-2QC	3	MW-6D	4								
arsenic	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
arsenic	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
arsenic	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
arsenic	Apr 03	all	µg/L	29	3	22.9	113.0	EW-6A	1	LF-2	3								
arsenic	Jul 03	site	µg/L	13	0	-	-	-	-	-	-	4	0	-	-	-	-		
arsenic	Jul 03	all	µg/L	28	1		117.0			LF-2	3								
arsenic	Oct 03	site	µg/L	15	2	2.8	4.5	EW-4C	3	SW-1	1	4	0	-	-	-	-		
arsenic	Oct 03	all	µg/L	29	4	2.8	144.0	EW-4C	3	LF-2	3								
total, site wells				185	12	2.3	11.4	EW-1C QC	3	SW-1	1	69	7	0.5	9.3	EXT-1	EXT-1		
total, all wells				241	21	2.3	144.0	EW-1C QC	3	LF-2	3								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
barium																			
barium	May-00	site	µg/L	15	15	22.4	82.6	EW-2C	3	EW-1C	3	28	26	22.2	115.0	EXT-1	EXT-2		
barium	Sep-00	site	µg/L	15	15	24.7	100.0	EW-1B	2	SW-1	1	6	6	61.2	110.0	EXT-3	EXT-2		
barium	Feb-01	site	µg/L	14	14	23.5	77.4	EW-1B	2	EW-1A	1	-	-	-	-	-	-		
barium	May-01	site	µg/L	13	13	11.8	80.4	EW-2A	1	EW-1A	1	3	3	70.0	87.0	EXT-3	EXT-1		
barium	Aug-01	site	µg/L	14	14	16.2	78.1	EW-2A	1	EW-1A	1	2	2	68.2	73.7	EXT-3	EXT-2		
barium	Nov 01	site	µg/L	14	14	14.3	92.1	EW-2A	1	EW-1A	1	3	3	73.1	89.3	EXT-1	EXT-2		
barium	Feb 02	site	µg/L	12	12	25.2	88.2	EW-2A	1	EW-2C	3	-	-	-	-	-	-		
barium	May 02	site	µg/L	13	13	13.90	120.0	EW-2A	1	EW-1B	2	3	3	73.5	103.0	EXT-3	EXT-2		
barium	Aug 02	site	µg/L	11	11	42.60	151.0	DW-1	2	EW-5	4	4	4	82.4	95.9	EXT-1	EXT-2		
barium	Oct 02	site	µg/L	11	11	42.8	118.0	EW-1BQC	2	EW-5	4	4	4	80.2	95.5	EXT-1 QC	EXT-2		
barium	Oct 02	all	µg/L	22	22	13.0	596.0	EW-3B	2	MW-8B	4								
barium	Jan 03	site	µg/L	12	12	39.1	112.0	EW-1B	2	EW-5	4	4	4	78.7	98.0	EXT-1 QC	EXT-2		
barium	Jan 03	all	µg/L	12	12	39.1	112.0	EW-1B	2	EW-5	4								
barium	Apr 03	site	µg/L	13	13	23.1	178.0	EW-2B	2	RW-1	?	4	4	76.9	103.0	EXT-1QC	EXT-2		
barium	Apr 03	all	µg/L	29	29	8.2	675.0	EW-6C	4	MW-8B	4								
barium	Jul 03	site	µg/L	13	13	39.2	122	DW-1	2	EW-4A	1	4	4	71.9	98.1	EXT-1	EXT-2		
barium	Jul 03	all	µg/L	28	27	4.3	132.0	EW-6C	4	MW-6DQC	5								
barium	Oct 03	site	µg/L	15	15	8.3	155.0	EW-2A	1	PPW-1	6	4	4	71.9	89.8	EXT-1QC	EXT-2		
barium	Oct 03	all	µg/L	29	29	5.9	155.0	EW-6C	4	PPW-1	6								
total, site wells				185	185	13.0	151.0	EW-3B	2	EW-5	4	69	67	22.2	115.0	EXT-1	EXT-2		
total, all wells				241	240	13.0	675.0	EW-3B	2	MW-8B	4								
cadmium																			
cadmium	May-00	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	Sep-00	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	Feb-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	May-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	Aug-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	Nov 01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	Feb 02	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
cadmium	May 02	site	µg/L	13	0	-	-	-	-	-	-	3	1		0.32		EXT-1		
cadmium	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-		
cadmium	Oct 02	site	µg/L	11	3	0.32	0.56	EW-2C	3	EW-2B	2	4	1		0.37		EXT-1		
cadmium	Oct 02	all	µg/L	22	6	0.32	9.9	EW-2C	3	EW-6C	4								
cadmium	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-		
cadmium	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
cadmium	Apr 03	site	µg/L	13	3	0.28	0.77	DW-2	2	EW-1AQC	1	4	3	0.44	0.78	EXT-1QC	EXT-2		
cadmium	Apr 03	all	µg/L	29	8	0.28	10.5	DW-2	2	EW-6A	1								
cadmium	Jul 03	site	µg/L	13	1		0.82			EW-2B	2	4	0	-	-	-	-		
cadmium	Jul 03	all	µg/L	28	4	0.19	1.4	MW-6DQC	4	EW-6A	1								
cadmium	Oct 03	site	µg/L	15	8	0.31	1.8	EW-4B,4CQC	2,3	SW-1	1	4	0	-	-	-	-		
cadmium	Oct 03	all	µg/L	29	14	0.31	4.1	EW-4B,4CQC	2,3	MW-8B	4								
total, site wells				88	15	0.28	0.56	DW-2	2	EW-2B	2	27	5	0.32	0.37	EXT-1	EXT-1		
total, all wells				144	32	0.19	10.5	MW-6DQC	4	EW-6A	1								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells							
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well		
chromium																			
chromium	May-00	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	Sep-00	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	Feb-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	May-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	Aug-01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	Nov 01	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	Feb 02	site	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
chromium	May 02	site	µg/L	13	1	-	1.1	-	-	EW-2A	1	3	0	-	-	-	-	-	
chromium	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-	-	
chromium	Oct 02	site	µg/L	11	1	-	1.6	-	-	EW-2B	2	4	0	-	-	-	-	-	
chromium	Oct 02	all	µg/L	22	4	1.6	12.4	EW-2B	2	BP-3B	5								
chromium	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-	-	
chromium	Jan 03	all	µg/L	12	0	-	-	-	-	-	-								
chromium	Apr 03	site	µg/L	13	0	-	-	-	-	-	-	4	2	0.7	0.73	EXT-1QC	EXT-3		
chromium	Apr 03	all	µg/L	29	9	0.69	32.1	EW-6C	4	BP-3A	1								
chromium	Jul 03	site	µg/L	13	1		1.1			EW-2B	2	4	0	-	-	-	-	-	
chromium	Jul 03	all	µg/L	28	7	1.1	15.3	EW-2B	2	BP-3B	3								
chromium	Oct 03	site	µg/L	15	5	0.61	13.4	EW-1C	1	SW-1	1	4	1		0.52			EXT-2	
chromium	Oct 03	all	µg/L	29	12	0.61	27.2	EW-1C, WT-1	1	BP-3C	6								
total, site wells				88	8	1.1	1.6	EW-2A	1	EW-2B	2	27	3	0.52	0.73	EXT-2	EXT-3		
total, all wells				144	33	0.69	32.1	EW-6C	4	BP-3A	1								
iron																			
iron	May-00	site	µg/L	15	13	12.7	23,900.0	EW-5	4	EW-4A	1	27	27	60.0	10,200.0	EXT-1	EXT-1		
iron	Sep-00	site	µg/L	15	15	27.7	24,300.0	DW-2	2	EW-4AQC	1	6	6	55.0	2,260.0	EXT-1	EXT-3		
iron	Feb-01	site	µg/L	14	14	23.6	27,900.0	EW-4C	3	EW-4A	1	3	3	86.3	661.0	EXT-1	EXT-3		
iron	May-01	site	µg/L	13	12	24.0	28,700.0	DW-2	2	EW-4A	1	3	3	126.0	570.0	EXT-1	EXT-2		
iron	Aug-01	site	µg/L	14	11	20.7	17,000.0	EW-1A	1	EW-4A	1	2	2	662.0	4,580.0	EXT-2	EXT-3		
iron	Nov 01	site	µg/L	14	12	32.0	10,300.0	EW-4B	2	EW-4A	1	3	3	245.0	922.0	EXT-1	EXT-3		
iron	Feb 02	site	µg/L	12	5	87.3	3,410.0	EW-2B	2	DW-1	2	-	-	-	-	-	-	-	
iron	May 02	site	µg/L	13	5	26.7	3,900.0	EW-2C	3	DW-1	2	3	1	43.0	43.0	-	EXT-1		
iron	Aug 02	site	µg/L	11	3	24.3	3,660.0	EW-4A	1	DW-1	2	4	4	107.0	480.0	EXT-3	EXT-2		
iron	Oct 02	site	µg/L	11	7	18.6	5,150.0	EW-1B	2	DW-1	2	4	4	123.0	724.0	EXT-3	EXT-2		
iron	Oct 02	all	µg/L	22	18	13.7	48,200.0	EW-3C	3	MW-6D	4								
iron	Jan 03	site	µg/L	12	5	20.5	262.0	EW-4A	1	EW-1B	2	4	4	106.0	702.0	EXT-1 QC	EXT-2		
iron	Jan 03	all	µg/L	12	5	20.5	262.0	EW-4A	1	EW-1B	2								
iron	Apr 03	site	µg/L	13	8	19.9	15,600.0	EW-1A	1	RW-1	?	4	4	40.6	655	EXT-3	EXT-2		
iron	Apr 03	all	µg/L	29	25	19.9	49,400.0	EW-1A	1	MW-6D	4								
iron	Jul 03	site	µg/L	13	13	10	13000	EW-1B,2C	2,3	RW-1	?	4	2	88.3	1,690.0	EXT-3	EXT-2		
iron	Jul 03	all	µg/L	28	28	10.0	55,000.0	EW-1B	2	MW-6D	4								
iron	Oct 03	site	µg/L	15	10	20.6	36,600.0	EW-4A	1	PPW-1	6	4	4	157.0	795.0	EXT-3	EXT-2		
iron	Oct 03	all	µg/L	29	21	20.6	36,600.0	EW-4A	1	PPW-1	6								
total, site wells				185	133	12.7	28,700.0	EW-5	4	EW-4A	1	71	67	40.6	10,200.0	EXT-3	EXT-1		
total, all wells				241	187	12.7	49,400.0	EW-5	4	MW-6D	4								

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells					
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well
lead																	
lead	May-00	site	µg/L	15	2	1.3	2.5	EW-1C	3	DW-1QC	2	27	18	1.5	31.2	EXT-3	EXT-2
lead	Sep-00	site	µg/L	15	2	1.5	33.2	EW-4AQC	1	SW-1	1	6	2	16.7	69.2	EXT-2	EXT-2
lead	Feb-01	site	µg/L	14	0	-	-	-	-	-	-	-	-	-	-	-	-
lead	May-01	site	µg/L	13	3	2.8	6.3	EW-2C	3	EW-2A	1	3	1	-	12.4	-	EXT-2
lead	Aug-01	site	µg/L	14	2	4.4	7.5	EW2A	1	SW-1	1	2	1	-	2.8	-	EXT-2
lead	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	1	-	29.2	-	EXT-2
lead	Feb 02	site	µg/L	12	2	5.0	6.0	EW-2B	2	EW-2A	1	-	-	-	-	-	-
lead	May 02	site	µg/L	13	2	2.7	5.2	EW-1C	3	EW-2A	1	3	3	12.9	35.1	EXT-1	EXT-3
lead	Aug 02	site	µg/L	11	4	3.1	8.1	EW-1B	2	EW-1A	1	4	4	5.0	23.9	EXT-1QC	EXT-3
lead	Oct 02	site	µg/L	11	2	2.4	2.5	EW-1C	3	EW-2B	2	4	4	5.9	38.6	EXT-1 QC	EXT-2
lead	Oct 02	all	µg/L	22	13	1.3	93.1	BP-3C	6	MW-10D	6						
lead	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	4	3	14.1	EXT-1 QC	EXT-2
lead	Jan 03	all	µg/L	12	0	-	-	-	-	-	-						
lead	Apr 03	site	µg/L	13	10	1.5	61.4	EW-4B	2	EW-1B	2	4	3	1.7	12.5	EXT-1	EXT-2
lead	Apr 03	all	µg/L	29	21	1.5	61.4	EW-4B	2	EW-1B	2						
lead	Jul 03	site	µg/L	13	2	48.4	686.0	EW-4C	3	EW-2B	2	4	3	5.4	45.5	EXT-3	EXT-2
lead	Jul 03	all	µg/L	28	8	6.0	686.0	MW-10C	5	EW-2B	2						
lead	Oct 03	site	µg/L	15	2	5.7	20.4	PPW-1	6	SW-1	1	4	2	6.6	11.7	EXT-3	EXT-2
lead	Oct 03	all	µg/L	29	9	5.7	60.1	MW-10C, PPW-	5, 6	MW-6D	4						
total, site wells				185	33	1.3	686.0	EW-1C	3	EW-2B	2	68	46	1.5	69.2	EXT-3	EXT-2
total, all wells				241	68	1.3	686.0	EW-1C,BP-3C	6	EW-2B	2						
manganese																	
manganese	May-00	site	µg/L	15	15	155.0	1,410.0	EW-2C	3	EW-4A	1	28	24	47.0	669.0	EXT-1	EXT-2
manganese	Sep-00	site	µg/L	15	15	50.1	1,300.0	EW-5	4	EW-4A	1	6	6	323.0	590.0	EXT-3	EXT-1
manganese	Feb-01	site	µg/L	14	14	75.9	1,500.0	EW-4C	3	EW-4A	1	3	3	312.0	485.0	EXT-3	EXT-1
manganese	May-01	site	µg/L	13	13	99.5	1,160.0	EW-4C	3	EW-4A	1	3	3	286.0	460.0	EXT-3	EXT-1
manganese	Aug-01	site	µg/L	14	14	71.5	1,150.0	EW-4C	3	EW-4A	1	2	2	299.0	343.0	EXT-3	EXT-2
manganese	Nov 01	site	µg/L	14	14	1.8	1,220.0	DW-1 QC	2	EW-4A	1	3	3	358.0	490.0	EXT-3	EXT-1
manganese	Feb 02	site	µg/L	12	12	80.1	990.0	EW-4C	3	EW-4A	1	-	-	-	-	-	-
manganese	May 02	site	µg/L	13	13	37.8	1,130.0	EW-4C	3	EW-1A QC	1	3	3	342.0	502.0	EXT-3	EXT-1
manganese	Aug 02	site	µg/L	11	11	146.0	1,730.0	EW-4B	2	EW-1A	1	4	4	336.0	495.0	EXT-3	EXT-1QC
manganese	Oct 02	site	µg/L	11	11	32.7	780.0	EW-4C	3	EW-4A	1	4	4	343.0	480.0	EXT-3	EXT-1
manganese	Oct 02	all	µg/L	22	22	8.1	1,770.00	BP-3B	5	MW-6D	4						
manganese	Jan 03	site	µg/L	12	12	38.1	1,070.0	EW-4C	3	EW-1A	1	4	4	366.0	490.0	EXT-3	EXT-1
manganese	Jan 03	all	µg/L	12	12	38.1	1,070.0	EW-4C	3	EW-1A	1						
manganese	Apr 03	site	µg/L	13	13	32.1	1,150.0	EW-4C	3	EW-1A	1	4	4	338.0	517.0	EXT-3	EXT-1
manganese	Apr 03	all	µg/L	29	29	4.9	2,090.0	WT-1	1	MW-6D	4						
manganese	Jul 03	site	µg/L	13	13	40.9	1,050.0	EW-4C	3	EW-4A	1	4	4	334.0	499.0	EXT-3	EXT-1QC
manganese	Jul 03	all	µg/L	28	28	8.0	2,200.0	BP-3A	1	MW-6DQC	4						
manganese	Oct 03	site	µg/L	15	15	54.0	1,000.0	DW-2	2	EW-1C	3	4	4	334.0	492.0	EXT-3	EXT-1
manganese	Oct 03	all	µg/L	29	29	10.6	2,660.0	EW-3C	3	MW-8B	4						
total, site wells				185	185	1.8	1,730.0	DW-1 QC	2	EW-1A	1	72	68	47.0	669.0	EXT-1	EXT-2
total, all wells				241	241	1.8	2,660.0	DW-1 QC	2	MW-8B	4						

Table 4-11
Claremont Polychemical Superfund site
Data Summary for ROD and Permit Analytes

Analyte	sampling date	wells	units	monitoring wells								extraction wells					
				no. sampled	no. detected	detected min.	detected max	min. well	screen level	max. well	screen level	no. sampled	no. detected	detected min.	detected max	min. well	max. well
selenium																	
selenium	May-00	site	µg/L	15	5	1.6	4.4	EW-1C	3	EW-1A	1	27	4	1.6	19.2	EXT-1	EXT-1
selenium	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-
selenium	Feb-01	site	µg/L	14	7	2.6	3.5	SW-1	1	EW-4B	2	-	-	-	-	-	-
selenium	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-
selenium	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-
selenium	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-
selenium	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-
selenium	May 02	site	µg/L	13	1	-	3.3	-	-	EW-2B	2	3	0	-	-	-	-
selenium	Aug 02	site	µg/L	11	0	-	-	-	-	-	-	4	0	-	-	-	-
selenium	Oct 02	site	µg/L	11	1	-	3.1	-	-	EW-1B	2	4	0	-	-	-	-
selenium	Oct 02	all	µg/L	22	1	-	3.1	-	-	EW-1B	2						
selenium	Jan 03	site	µg/L	12	0	-	-	-	-	-	-	4	0	-	-	-	-
selenium	Jan 03	all	µg/L	12	0	-	-	-	-	-	-						
selenium	Apr 03	site	µg/L	13	1		3.3			EW-1C	3	4	1		3.5		EXT-1QC
selenium	Apr 03	all	µg/L	29	4	2.4	4.2	MW-10B	4	MW-8B	4						
selenium	Jul 03	site	µg/L	13	1		6.6			EW-1AQC	1	4	0	-	-	-	-
selenium	Jul 03	all	µg/L	28	2	5.9	6.6	MW-10D	6	EW-1AQC	1						
selenium	Oct 03	site	µg/L	15	0	-	-	-	-	-	-	4	0	-	-	-	-
selenium	Oct 03	all	µg/L	29	0	-	-	-	-	-	-						
total, site wells				185	16	1.6	6.6	EW-1C	3	EW-1AQC	1	68	5	1.6	19.2	EXT-1	EXT-1
total, all wells				241	20	1.6	6.6	EW-1C	3	EW-1AQC	1						
chromium. hexavalent																	
chromium. hexavalent	May-00	site	µg/L	10	0	-	-	-	-	-	-	21	0	-	-	-	-
chromium. hexavalent	Sep-00	site	µg/L	15	0	-	-	-	-	-	-	6	0	-	-	-	-
chromium. hexavalent	Feb-01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-
chromium. hexavalent	May-01	site	µg/L	13	0	-	-	-	-	-	-	3	0	-	-	-	-
chromium. hexavalent	Aug-01	site	µg/L	14	0	-	-	-	-	-	-	2	0	-	-	-	-
chromium. hexavalent	Nov 01	site	µg/L	14	0	-	-	-	-	-	-	3	0	-	-	-	-
chromium. hexavalent	Feb 02	site	µg/L	12	0	-	-	-	-	-	-	-	-	-	-	-	-
total, site wells				92	0	-	-	-	-	-	-	38	0	-	-	-	-

- not measured or analyzed, no results
well screened interval levels:
Level 1: 75.10 to 44.86 ft. amsl
Level 2: 42.35 to 22.32 ft. amsl
Level 3: 20.62 to 2.99 ft. amsl
Level 4: -13.99 to -40.99 ft. amsl
Level 5: -91.00 to -118.10 ft. amsl
Level 6: -149.20 to -176.00 ft. amsl

**Table 5-1: Quantity of Contaminated Groundwater Treated
November 2002 to October 2003 Period**

Month	Quantity Treated	Cumulative Quantity
2002		
NOVEMBER	14,685,800	14,685,800
DECEMBER	15,123,340	29,809,140
2003		
JANUARY	16,473,560	46,282,700
FEBRUARY	15,365,940	61,648,640
MARCH	12,021,960	73,670,600
APRIL	16,548,080	90,218,680
MAY	14,147,522	104,366,202
JUNE	11,967,000	116,333,202
JULY	16,489,000	132,822,202
AUGUST	13,057,000	145,879,202
SEPTEMBER	13,065,000	158,944,202
OCTOBER	16,922,000	175,866,202

**Table 5-2: Groundwater Discharge from Extraction Wells to Flow Equalization Tank
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-0002-004	CPC-00-PW-0002-005	CPC-00-PW-0002-006	CPC-00-PW-0002-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1x)	(2x)		(2x)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
chloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
vinyl chloride	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
bromomethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
chloroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
Trichlorofluoromethane	µg/L		0.50	0.50 UJ	1.00 U	0.50 U	1.00 U
1,1-dichloroethene	µg/L		0.50	6.80	4.60	8.10	5.90
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
acetone	µg/L		5.00	5.00 UJ	9.60 J	5.00 U	10.00 U
carbon disulfide	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
methyl acetate	µg/L		0.50	0.50 R	1.00 U	0.50 R	1.00 R
methylene chloride	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
tert-Butyl Methyl Ether	µg/L		0.50	0.34 J	1.00 U	0.50 U	1.00 U
1,1-dichloroethane	µg/L		0.50	2.10	2.10	1.80	1.60
cis-1,2-dichloroethene	µg/L		0.50	13.00	9.20	12.00	8.10
2-butanone	µg/L		5.00	5.00 UJ	10.00 U	5.00 U	10.00 U
Bromochloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
chloroform	µg/L		0.50	0.26 J	1.00 U	0.50 U	1.00 U
1,1,1-trichloroethane	µg/L		0.50	14.00	10.00	15.00	9.50
Cyclohexane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
carbon tetrachloride	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
benzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2-dichloroethane	µg/L		0.50	0.58	0.39 J	0.50 U	1.00 U
trichloroethene	µg/L		0.50	360.00 D	170.00 D	260.00 D	170.00 D
Methylcyclohexane	µg/L		0.50	0.50 UJ	1.00 UJ	0.50 U	1.00 U
1,2-dichloropropane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
bromodichloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 UJ	1.00 U	0.50 UJ	1.00 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	10.00 U	5.00 U	10.00 U
toluene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 UJ	1.00 U	0.50 UJ	1.00 U
1,1,2-trichloroethane	µg/L		0.50	0.31 J	1.00 U	0.50 UJ	1.00 U
tetrachloroethene	µg/L		0.50	110.00 D	45.00 D	82.00 D	61.00 D
2-hexanone	µg/L		5.00	5.00 U	10.00 U	5.00 U	10.00 U
dibromochloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
chlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
ethylbenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
xylene (total)	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
styrene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
bromoform	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
Isopropylbenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	1.00 U
METALS		IDL	CRDL				
Al (aluminum)	µg/L	57.0	200.0		53.90 B	30.30 J	48.20 J
Sb (antimony)	µg/L	1.2	60.0		2.50 U	60.00 U	60.00 U
As (arsenic)	µg/L	3.0	10.0		2.20 U	15.00 U	15.00 U
Ba (barium)	µg/L	0.3	200.0		95.1 B	81.40 J	82.30 J
Be (beryllium)	µg/L	0.2	5.0		0.46 B	0.24 J	0.31 J
Cd (cadmium)	µg/L	0.3	5.0		0.20 U	5.00 U	5.00 U
Ca (calcium)	µg/L	15.0	5000.0		25100.00	22900.00	22700.00
Cr (chromium)	µg/L	0.8	10.0		0.60 U	10.00 U	0.64 J
Co (cobalt)	µg/L	0.7	50.0		15.50 B	14.20 J	13.80 J
Cu (copper)	µg/L	1.5	25.0		1.60 B	2.50 J	25.00 U
Fe (iron)	µg/L	13.0	100.0		244.00	132.00	1880.00
Pb (lead)	µg/L	1.2	3.0		1.40 U	10.00 UR	10.00 U
Mg (magnesium)	µg/L	12.0	5000.0		7770	7170.00	7090.00
Mn (manganese)	µg/L	0.2	15.0		441.00	414.00	414.00
Hg (mercury)	µg/L	0.1	0.2		0.12 BJ	0.11 J	0.20 U
Ni (nickel)	µg/L	1.0	40.0		6.70 B	7.10 J	6.00 J
K (potassium)	µg/L	40.0	5000.0		11800 J	12200.00	11600.00
Se (selenium)	µg/L	3.0	5.0		2.30 U	35.00 U	35.00 U
Ag (silver)	µg/L	0.8	10.0		0.90 U	10.00 U	10.00 U
Na (sodium)	µg/L	304.0	5000.0		67200.00	69400.00	72700.00
Tl (thallium)	µg/L	2.4	10.0		2.90 UJ	25.00 U	25.00 U
V (vanadium)	µg/L	0.7	50.0		0.80 U	50.00 U	50.00 U
Zn (zinc)	µg/L	1.1	20.0		12.80 B	18.10 J	13.60 J

Shaded: Above Discharge Limits
boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

**Table 5-3: Clarified water at Inlet to Sand Filter A
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-005A-004	CPC-00-PW-005A-005	CPC-00-PW-005A-006	CPC-00-PW-005A-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/2003
VOCs							
VOC Dilution Factor				(1x)	(2x)	(1x)	(1x)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 UJ	1.00 U	0.50 U	0.50 UJ
chloroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	3.90	4.30	6.30	6.30
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
acetone	µg/L		5.00	5.0 U	10.00 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	1.00 U	0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.51 U	1.00 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.21 J	1.00 U	0.26 J	0.43 J
1,1-dichloroethane	µg/L		0.50	1.10	2.00	1.70 J	1.70
cis-1,2-dichloroethene	µg/L		0.50	8.30	8.20	10.00	9.60
2- butanone	µg/L		5.00	5.0 U	10.00 U	5.0 U	5.0 U
Bromochloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 UJ	0.50 U
chloroform	µg/L		0.50	0.17 J	1.00 U	0.50 UJ	5.0 U
1,1,1-trichloroethane	µg/L		0.50	7.20	9.40	12.00	12.00
Cyclohexane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.38 J	0.31 J	0.50 U	0.26 J
trichloroethene	µg/L		0.50	280.00 D	170.00 D	210 DJ	160 D
Methylcyclohexane	µg/L		0.50	0.50 U	1.00 UJ	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
cis 1,3-dichloropropene	µg/L		0.50	0.50 U	1.00 U	0.50 UJ	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.0 U	10.00 U	5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	1.00 U	0.50 UJ	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.21 J	1.00 U	0.50 UJ	0.19 J
tetrachloroethene	µg/L		0.50	76.00 D	41.00 D	62 DJ	49 D
2-hexanone	µg/L		5.00	5.00 U	10.00 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	5.0 U
xylene (total)	µg/L		0.50	0.50 U	1.00 U	0.50 U	5.0 U
styrene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.069 J
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	1.00 U	0.50 U	0.50 U
METALS		IDL	CRDL				
Al (aluminum)	µg/L	57.0	200.0		40.9 U	34.7 J	38.5 J
Sb (antimony)	µg/L	1.2	60.0		2.5 U	60.0 U	60.0 U
As (arsenic)	µg/L	3.0	10.0		2.2 U	15.0 U	15.0 U
Ba (barium)	µg/L	0.3	200.0		95.6 B	84.5 J	79.6 J
Be (beryllium)	µg/L	0.2	5.0		0.30 B	0.24 J	0.26 J
Cd (cadmium)	µg/L	0.3	5.0		0.20 U	5.0 U	5.0 U
Ca (calcium)	µg/L	15.0	5000.0		25300	23500	22100
Cr (chromium)	µg/L	0.8	10.0		0.60 U	10.0 U	10.0 U
Co (cobalt)	µg/L	0.7	50.0		15.3 B	13.6 J	13.2 J
Cu (copper)	µg/L	1.5	25.0		2.2 B	25.0 U	25.0 U
Fe (iron)	µg/L	13.0	100.0		14.2 U	16.4 J	13.1 J
Pb (lead)	µg/L	1.2	3.0		1.4 U	10.0 UR	10.0 UJ
Mg (magnesium)	µg/L	12.0	5000.0		7780	7290	6870
Mn (manganese)	µg/L	0.2	15.0		438	412	383
Hg (mercury)	µg/L	0.1	0.2		0.10 BJ	0.11 J	0.20 U
Ni (nickel)	µg/L	1.0	40.0		7.5 B	6.3 J	5.7 J
K (potassium)	µg/L	40.0	5000.0		12100 J	12600	11300
Se (selenium)	µg/L	3.0	5.0		2.3 U	35.0 U	35.0 U
Ag (silver)	µg/L	0.8	10.0		0.90 U	10.0 U	10.0 U
Na (sodium)	µg/L	304.0	5000.0		72700	79100	74500
Tl (thallium)	µg/L	2.4	10.0		2.9 UJ	25.0 U	25.0 U
V (vanadium)	µg/L	0.7	50.0		0.80 U	50.0 U	50.0 U
Zn (Zinc)	µg/L	1.1	20.0		10.3 B	50.0 J	15.1 J

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified to dilution

NM: not measured

UJ: estimated not detected

**Table 5-4: Clarified Water at Inlet to Sand Filter B
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-005B-004	CPC-00-PW-005B-005	CPC-00-PW-005B-006	CPC-00-PW-005B-007
Date Analyzed				1/29/03	4/23/03	07/23/2003	10/29/03
VOCs							
VOC Dilution Factor				(1x)	(4x)	(1x)	(1x)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	2.00 UJ	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 UJ	2.00 U	0.50 U	0.50 UJ
chloroethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	3.9	5.4	6.0	6.3
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
acetone	µg/L		5.00	5.00 U	2.00 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	2.0 R	0.50 U	0.50 R
methylene chloride	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.31 J	2.00 U	0.50 U	0.42 J
1,1-dichloroethane	µg/L		0.50	1.1	2.3 J	1.6	1.8
cis-1,2-dichloroethene	µg/L		0.50	8.1	9.3	9.5	9.8
2- butanone	µg/L		5.00	5.0 U	20 U	5.0 U	5.0 U
Bromochloromethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.17 J	2.00 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	6.9	11	12	12
Cyclohexane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.23 J	0.54 J	0.50 U	0.31 J
trichloroethene	µg/L		0.50	300.00 D	200 D	240 D	150 D
Methylcyclohexane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	20 U	5.0 U	5.0 U
toluene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.19 J	2.00 U	0.50 U	0.17 J
tetrachloroethene	µg/L		0.50	87 D	43 D	72 D	50 D
2-hexanone	µg/L		5.00	5.00 U	20 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.10 J
ethylbenzene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	2.0 UJ	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	2.00 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.11 J
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.070 J
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	2.0 R	0.50 U	0.50 U
METALS							
		IDL	CRDL				
Al (aluminum)	µg/L	57.0	200.0		40.9 U	37.3 J	47.5 J
Sb (antimony)	µg/L	1.2	60.0		2.5 U	60.0 U	60.0 U
As (arsenic)	µg/L	3.0	10.0		2.2 U	15.0 U	15.0 U
Ba (barium)	µg/L	0.3	200.0		94.7 B	82.8 J	83.2 J
Be (beryllium)	µg/L	0.2	5.0		0.23 B	0.26 J	0.39 J
Cd (cadmium)	µg/L	0.3	5.0		0.20 U	5.0 U	5.0 U
Ca (calcium)	µg/L	15.0	5000.0		25100	23000	22600
Cr (chromium)	µg/L	0.8	10.0		0.60 U	10.0 U	10.0 U
Co (cobalt)	µg/L	0.7	50.0		15.5 B	13.5 J	13.8 J
Cu (copper)	µg/L	1.5	25.0		2.6 B	25.0 U	3.6 J
Fe (iron)	µg/L	13.0	100.0		19.8 B	23.5 J	30.2 J
Pb (lead)	µg/L	1.2	3.0		1.4 U	10.0 UR	10.0 U
Mg (magnesium)	µg/L	12.0	5000.0		7710	7140	7030
Mn (manganese)	µg/L	0.2	15.0		435	404	392
Hg (mercury)	µg/L	0.1	0.2		0.10 UJ	0.14 J	0.10 J
Ni (nickel)	µg/L	1.0	40.0		7.0 B	6.5 J	7.0 J
K (potassium)	µg/L	40.0	5000.0		11900 J	12400	12400 J
Se (selenium)	µg/L	3.0	5.0		2.3 U	35.0 U	35.0 U
Ag (silver)	µg/L	0.8	10.0		0.90 U	10.0 U	10.0 U
Na (sodium)	µg/L	304.0	5000.0		68700	74800	79100
Tl (thallium)	µg/L	2.4	10.0		2.9 UJ	25.0 U	25.0 U
V (vanadium)	µg/L	0.7	50.0		0.80 U	50.0 U	50.0 U
Zn (zinc)	µg/L	1.1	20.0		11.1 B	28.1 J	15.7 J

Boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1) (equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated, not detected

**Table 5-5: Filtered Water to Inlet of Air Stripper
January 29 to October 29, 2003**

Analyte	units	MDL	CRQL	CPC-00-PW-0006-004	CPC-00-PW-0006-005	CPC-00-PW-0006-006	CPC-00-PW-0006-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1X)	(1X)	(1X)	(2X)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	1.00 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
Trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,1-dichloroethene	µg/L		0.50	2.80	4.70	4.60	3.60
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
acetone	µg/L		5.00	5.00 U	5.00 U	5.00 U	10.00 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	1.00 R
methylene chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.20 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
tert-Butyl Methyl Ether	µg/L		0.50	0.50 U	0.49 J	0.50 U	1.00 U
1,1-dichloroethane	µg/L		0.50	1.20	2.10 J	1.60 J	1.40
cis-1,2-dichloroethene	µg/L		0.50	7.60	11.00	9.90	7.60
2- butanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	10.00 U
Bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 UJ	1.00 U
chloroform	µg/L		0.50	0.17 J	0.23 J	0.50 UJ	1.00 U
1,1,1-trichloroethane	µg/L		0.50	6.40	11.00	10.00	6.60
Cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,2-dichloroethane	µg/L		0.50	0.45 J	0.44 J	0.50 U	0.27 J
trichloroethene	µg/L		0.50	250.00 D	170.00 D	140.00 DJ	140.00 D
Methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
cis 1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 UJ	1.00 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	0.50 U	5.00 U	10.00 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 UJ	1.00 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 UJ	1.00 U
tetrachloroethene	µg/L		0.50	62.00 D	34.00 D	35.00 DJ	47.00 D
2-hexanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	10.00 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
styrene	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	1.00 U
bromoform	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
Isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	1.00 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	1.00 U

boldface: lab analysis positive detection
 U: not detected
 J: estimated
 R: rejected
 B: IDL<x<CRDL (ILM04.1)(equivalent to J)
 D: quantified to dilution
 NM: not measured
 UJ: estimated not detected

**Table 5-6: Treated Water from Discharge of Air Stripper to Granular Activated Vessel A
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-007A-004	CPC-00-PW-007A-005	CPC-00-PW-007A-006	CPC-00-PW-007A-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1X)	(1X)	(1X)	(1X)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.41 J	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 UJ
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U
acetone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
carbon disulfide	µg/L		0.50	0.50 U	0.24 J	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.59 U	0.50 UJ	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.24 J	0.35 J	0.55	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.33 J
2-butanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
Bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.21 J	0.50 U	0.11 J
trichloroethene	µg/L		0.50	0.74	1.50	3.70	1.00
Methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.19 J	0.50 U	0.50 U	0.08 J
tetrachloroethene	µg/L		0.50	0.21 J	0.36 J	1.30	0.32 J
2-hexanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

D: quantified at dilution

NM: not measured

UJ: estimated not detected

**Table 5-7:Treated Water from Discharge of Air Stripper to Granular Activated Vessel B
January 29 to October 29, 2003**

Analyte	units	MDL	CRQL	CPC-00-PW-007B-004	CPC-00-PW-007B-005	CPC-00-PW-007B-006	CPC-00-PW-007B-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1x)	(1x)	(1x)	(1x)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 UJ
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 UJ
acetone	µg/L		5.00	5.00 UJ	5.00 U	5.00 U	5.00 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.64 U	0.50 UJ	0.50 U	0.50 U
trans- 1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.33 J	0.50 U	0.49 J	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis- 1,2-dichloroethene	µg/L		0.50	0.17 J	0.15 J	0.33 J	0.29 J
2- butanone	µg/L		5.00	5.00 UJ	5.00 U	5.00 U	5.00 U
Bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.20 J	0.50 U	0.17 J
trichloroethene	µg/L		0.50	2.40	1.40	4.10	1.60
Methylcyclohexane	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis 1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.69	0.38 J	1.50	0.42 J
2-hexanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U

boldface: lab analysis positive detection
 U: not detected
 J: estimated
 R: rejected
 B: IDL<x<CRDL (ILM04.1)(equivalent to J)
 NM: not measured
 UJ: estimated not detected

**Table 5-8: Polished Water Discharged from Granular Activated Carbon Vessel A to Treated Effluent Tank
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-008A-004	CPC-00-PW-008A-005	CPC-00-PW-008A-006	CPC-00-PW-008A-007
Sampling Date				1/29/03	04/16/2003	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1X)	(1X)	(1X)	(1X)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U
acetone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L		0.50	0.65 U	0.50 UJ	0.50 U	0.50 U
<i>trans</i> -1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
<i>cis</i> -1,2-dichloroethene	µg/L		0.50	0.40 J	0.37 J	0.47 J	0.33 J
2- butanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
Bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.62	0.50 U
Cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.32 J	0.17 J	0.50 U	0.50 U
trichloroethene	µg/L		0.50	0.79	0.80	2.40	1.10
Methylcyclohexane	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
<i>cis</i> 1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
<i>trans</i> -1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.19 J	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.18 J	0.50 U	0.32 J	0.23 J
2-hexanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 R	0.50 U	0.50 U

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

D: quantified at dilution

NM: not measured

UJ: estimated not detected

**Table 5-9: Polished Water Discharged from Granular Activated Carbon Vessel B to Treated Effluent Tank
January 29 to October 29, 2003 Period**

Analyte	units	MDL	CRQL	CPC-00-PW-008B-004	CPC-00-PW-008B-005	CPC-00-PW-008B-006	CPC-00-PW-008B-007
Sampling Date				1/29/03	4/23/03	7/23/03	10/29/03
VOCs							
VOC Dilution Factor				(1X)	(1X)	(1X)	(1X)
Dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	µg/L		0.50	0.50 UJ	0.50 UJ	0.50 U	0.50 U
1,1-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.31 J	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 UJ	0.50 U	0.50 U
acetone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 R	0.50 R	0.50 U	0.50 R
methylene chloride	µg/L		0.50	0.68 U	0.50 UJ	0.50 U	0.50 U
trans- 1,2-dichloroethene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl Methyl Ether	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis- 1,2-dichloroethene	µg/L		0.50	0.94	0.60	0.70	0.42 J
2- butanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
Bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L		0.50	0.39 J	0.45 J	1.00	0.50 U
Cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.18 J	0.50 U	0.50 U
trichloroethene	µg/L		0.50	4.10	5.40 J	8.90	5.80
Methylcyclohexane	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
cis 1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
toluene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.21 J	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L		0.50	0.28 J	0.35 J	0.90	0.84
2-hexanone	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
xylene (total)	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U

boldface: lab analysis positive detection

U: estimated

R: rejected

D: quantified to dilution

NM: not measured

UJ: estimated not detected

**Table 5-10: Treated System Effluent from Effluent Storage Tank
November 06, 2002 to September 18, 2003**

Analyte	units	Maximum Discharge Limit	MDL	CPC-00-PW-009-041	CPC-00-PW-009-042	CPC-00-PW-009-043	CPC-00-PW-009-044	CPC-00-PW-009-045	CPC-00-PW-009-046	CPC-00-PW-009-047	CPC-00-PW-009-048	CPC-00-PW-009-049	CPC-00-PW-009-050
Date Analyzed				11/6/02	11/13/02	11/20/02	11/26/02	12/4/02	12/11/02	12/18/02	12/23/02	12/30/02	1/8/03
Dilution Factor				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
VOCs													
methylene chloride	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis- 1,2-dichloroethene	µg/L	5.00	5.00	0.70	0.80	0.71	0.60	0.67	0.20 J	0.60	0.51	0.57	0.53
trans- 1,2-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.00	5.00	0.26 J	0.22 J	0.20 J	0.17 J	0.22 J	0.50 U	0.50 U	0.17 J	0.18 J	0.17 J
trichloroethene	µg/L	5.00	5.00	1.30	1.70	1.40 U	1.50	1.60	0.45 J	2.10	2.00	1.60	1.70
benzene	µg/L	0.70	0.70	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.00	5.00	0.50 U	0.39 J	0.50 U	0.36 J	0.28 J	0.50 U	0.51	0.57	0.24 J	0.28 J
toluene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
SVOCs													
di-n-butylphthalate	µg/L	50.00	50.00	5.00 U	NS	NS	NS	5.00 U	NS	NS	NS	NS	NS
bis (2-ethylhexyl)phthalate	µg/L	5.00	10.00	5.00 U	NS	NS	NS	5.00 UJ	NS	NS	NS	NS	NS
INORGANICS													
		IDL	CRQL										
Arsenic	µg/L	3	10	NS	NS	NS	NS	2.90 U	NS	NS	NS	NS	NS
Barium	µg/L	0.3	200	NS	NS	NS	NS	73.50 B	NS	NS	NS	NS	NS
Lead	µg/L	1.2	3	NS	NS	NS	NS	2.30 U	NS	NS	NS	NS	NS
Selenium	µg/L	3	5	NS	NS	NS	NS	3.00 U	NS	NS	NS	NS	NS
Iron	µg/L	13	100	NS	NS	NS	NS	18.10 U	NS	NS	NS	NS	NS
Manganese	µg/L	0.2	15	NS	NS	NS	NS	31.80	NS	NS	NS	NS	NS
Nitrogen (Total)	mg/L			NS	NS	NS	NS		NS	NS	NS	NS	NS
Solids, Total Dissolved	mg/L			NS	NS	NS	NS		NS	NS	NS	NS	NS
Antimony	µg/L	1.2	60	NS	NS	NS	NS	3.50 U	NS	NS	NS	NS	NS
Chromium, Hexavalent	µg/L												
pH:	su	6.5 to 8.6		6.63	6.70	6.60	6.90	7.00	7.10	6.53	7.00	6.61	6.52

shaded: exceeds discharge limit

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UJ: estimated not detected

ns: not sampled

**Table 5-10: Treated System Effluent from Effluent Storage Tank
November 06, 2002 to September 18, 2003**

Analyte	units	Maximum Discharge Limit	MDL	CPC-00-PW-009-051	CPC-00-PW-009-052	CPC-00-PW-009-053	CPC-00-PW-009-054	CPC-00-PW-009-055	CPC-00-PW-009-056	CPC-00-PW-009-057	CPC-00-PW-009-058	CPC-00-PW-009-059	CPC-00-PW-009-060
Date Analyzed				1/15/03	1/22/03	1/29/03	2/6/03	2/13/03	2/20/03	2/27/03	3/10/03	3/13/03	3/20/03
Dilution Factor				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
VOCs													
methylene chloride	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1-dichloroethane	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
cis-1,2-dichloroethene	µg/L	5.00	5.00	0.50	0.42 J	0.51	0.50 J	0.50 J	0.40 J	0.40 J	0.40 J	0.40 J	0.40 J
trans-1,2-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
chloroform	µg/L	7.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
1,1,1-trichloroethane	µg/L	5.00	5.00	0.50 U	0.25 J	0.18 J	0.20 J	0.20 J	1.00 U	1.00 U	1.00 U	0.20 J	1.00 U
trichloroethene	µg/L	5.00	5.00	1.60	1.60	2.00	2.30	2.10	1.90	1.90	1.80	2.60	1.70
benzene	µg/L	0.70	0.70	0.50 U	0.50 U	0.5 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
tetrachloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.23 J	0.30 J	1.00 U	0.20 J	0.30 J	1.00 U	0.40 J	0.30 J
toluene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
chlorobenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
ethylbenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
SVOCS													
di-n-butylphthalate	µg/L	50.00	50.00	NS	NS	5.00 U	4.00 U	NS	NS	NS	18.00 U	NS	4.00 U
bis (2-ethylhexyl)phthalate	µg/L	5.00	10.00	NS	NS	5.00 U	4.00 U	NS	NS	NS	18.00 U	NS	4.00 U
INORGANICS													
		IDL	CRQL										
Arsenic	µg/L	3	10	NS	NS	3.00 BJ	10.00 U	NS	NS	NS	10.00 U	NS	NS
Barium	µg/L	0.3	200	NS	NS	81.70 B	200.00 U	NS	NS	NS	200.00 U	NS	NS
Lead	µg/L	1.2	3	NS	NS	1.50 U	3.00 U	NS	NS	NS	3.00 U	NS	NS
Selenium	µg/L	3	5	NS	NS	2.20 U	5.00 U	NS	NS	NS	5.00 U	NS	NS
Iron	µg/L	13	100	NS	NS	19.50 U	100.00 U	NS	NS	NS	120.00 J	NS	NS
Manganese	µg/L	0.2	15	NS	NS	59.10 J	66.00	NS	NS	NS	77.00	NS	NS
Nitrogen (Total)	mg/L			NS	NS			NS	NS	NS		NS	NS
Solids, Total Dissolved	mg/L			NS	NS			NS	NS	NS		NS	NS
Antimony	µg/L	1.2	60	NS	NS	3.50 U	60.00 U	NS	NS	NS	60.00 U	NS	NS
Chromium, Hexavalent	µg/L												
pH:	su	6.5 to 8.6		6.67	6.63	6.54	6.63	6.67	6.62	6.53	6.58	6.5	6.49

shaded: exceeds discharge limit

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

UU: estimated not detected

ns: not sampled

**Table 5-10: Treated System Effluent from Effluent Storage Tank
November 06, 2002 to September 18, 2003**

Analyte	units	Maximum Discharge Limit	MDL	CPC-00-PW-009-061	CPC-00-PW-009-062	CPC-00-PW-009-063	CPC-00-PW-009-064	CPC-00-PW-009-065	CPC-00-PW-009-066	CPC-00-PW-0009-067	CPC-00-PW-0009-068	CPC-00-PW-0009-069	CPC-00-PW-0009-070
Date Analyzed				3/27/03	4/3/03	4/10/03	4/25/03	5/15/03	6/25/03	07/24/2003	8/29/03	9/18/03	10/22/03
Dilution Factor				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
VOCs													
methylene chloride	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 UJ	
1,1-dichloroethene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.20 J	0.50 U	0.50 UJ	
1,1-dichloroethane	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
cis- 1,2-dichloroethene	µg/L	5.00	5.00	0.40 J	0.40 J	0.40 J	0.40 J	0.30 J	0.34 J	0.55	0.50 U	0.22 J	
trans- 1,2-dichloroethene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
chloroform	µg/L	7.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,1,1-trichloroethane	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.17 J	0.51	0.50 U	0.50 UJ	
trichloroethene	µg/L	5.00	5.00	2.70	2.10	2.10	2.20	2.90	2.40	5.40	2.90	3.10	
benzene	µg/L	0.70	0.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
tetrachloroethene	µg/L	5.00	5.00	0.90 J	0.20 J	1.00 U	0.20 J	0.90 J	0.19 J	0.50	0.50 U	0.26 J	
toluene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
chlorobenzene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
ethylbenzene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
SVOCS													
di-n-butylphthalate	µg/L	50.00	50.00	NS	NS	NS	4.00 U	4.00 U	5.0 U	5.00 U	4.00 U	5.00 UJ	
bis (2-ethylhexyl)phthalate	µg/L	5.00	10.00	NS	NS	NS	4.00 U	4.00 U	7.8	5.00 U	4.00 U	5.00 J	
INORGANICS													
		IDL	CRQL										
Arsenic	µg/L	3	10	NS	NS	NS	8.00 U	8.00 U	15.00 U	15.00 U	15.00 U	15.00 UR	
Barium	µg/L	0.3	200	NS	NS	NS	74.00	67.00	76.10 J	80.40 J	200.00 U	69.80 J	
Lead	µg/L	1.2	3	NS	NS	NS	7.00 U	7.00 U	10.00 U	10.00 U	10.00 U	10.00 UR	
Selenium	µg/L	3	5	NS	NS	NS	7.00 U	7.00 U	35.00 U	35.00 U	35.00 U	35.00 UR	
Iron	µg/L	13	100	NS	NS	NS	190.00	100.00 U	24.00 J	21.40 J	110.00	197.00 J	
Manganese	µg/L	0.2	15	NS	NS	NS	49.00	46.00	32.40 J	69.40	26.00	24.60 J	
Nitrogen (Total)	mg/L			NS	NS	NS							
Solids, Total Dissolved	mg/L			NS	NS	NS							
Antimony	µg/L	1.2	60	NS	NS	NS	14.00 U	14.00 U	5.50 J	60.00 U	60.00 U	60.00 UR	
Chromium, Hexavalent	µg/L												
pH:	su	6.5 to 8.6		6.5	6.63	6.5	6.57	6.59	6.49	6.4	6.52	6.48	6.5

shaded: exceeds discharge limit

boldface: lab analysis positive detection

U: not detected

J: estimated

R: rejected

B: IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

NM: not measured

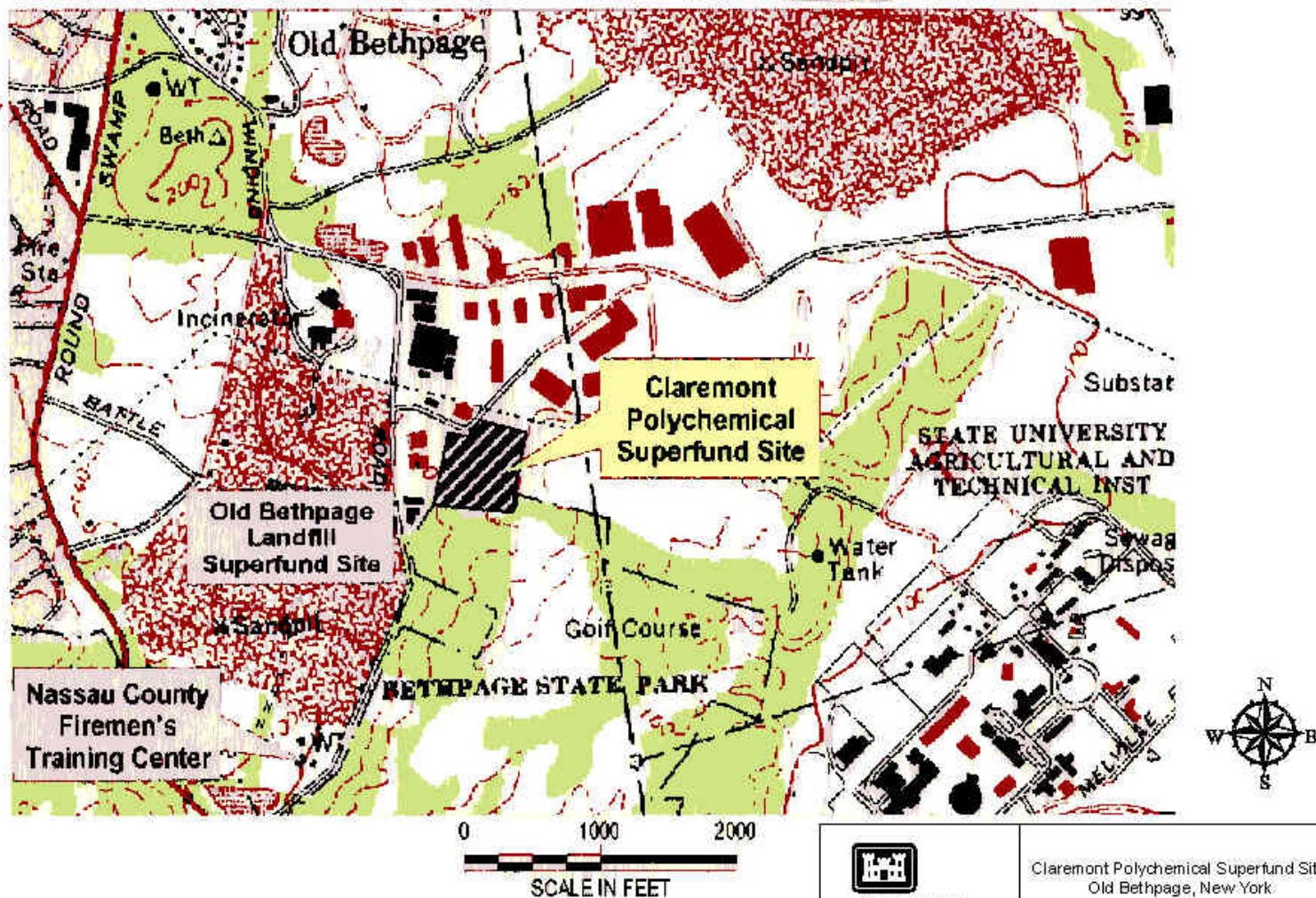
UJ: estimated not detected

ns: not sampled

**Table 5-11: Summary of Operational Problems and Corrective Actions
November 01, 2002 to October 31, 2003 Period**

MONTH	SIGNIFICANT OPERATIONAL PROBLEMS	CORRECTIVE ACTIONS SUMMARY
November 2002	Pump and Motor for Extraction Well #1 became detached	New pump and motor installed and old pump and motor being repaired.
December 2002	Flexible coupling for recycle pump No. 1 sheared	Coupling was realigned and repaired.
	Extraction Well #3 leaking and discharging from ground surface	Broken PVC "Y" pipe fitting replaced.
January 2003	Faulty flowmeter transmitter set off plant alarm and shutdown.	Transmitter was disconnected and plant was restarted with local flow meter operation.
	Sand Filter #2 shows diminished response to back flushing	Aggressive aeration has resulted in enhanced operation. Scheduled acid washing of sand filters in Feb./Mar.
February 2003	Pump for Extraction Well #1 stopped working	Pump truck mobilized to remove and repair pump.
March 2003	Recycle pump number one sheared a coupling causing a recycle tank high level alarm.	Coupling was replaced with no loss in plant operation time.
	Extraction well number three became inoperable due to a tripped breaker at the MCC. Electrical short of pump.	Pump removed and replaced with spare.
April 2003	Aqueous phase GAC vessels have high differential pressure.	GAC vessels were back flushed.
May 2003	Flexible coupling for recycle pump No. 1 sheared	Coupling was realigned and repaired.
	Sand filter flow control valves are developing leaks at the shaft seals.	Installation of the new sand filter butterfly valve flow control actuators were initiated.
	Problems with magnetic flow meter causing noise that interferes with level transmitter signals.	The connection of the magnetic flow meter to the MCP was finalized eliminating all noise affecting level transmitter signals.
June 2003	Plant shutdown due to electrical storm causing a phase misbalance of the electrical power to the plant.	Contacted Long Island Power Authority (LIPA) to replace main transformer to the plant to restore phase balanced power.
July 2003	Extraction well #1 developed a short caused by a surcharged conduit from the local connection box to the well head.	The wires were pulled above ground and temporarily secured to allow operation until the conduit can be cleaned.
August 2003	Extraction well #1 has a small leak resulting in the ponding of water around the well head.	Noresco Ltd. was subcontracted to complete repairs.
September 2003	The sand filters have developed a significant solids inventory resulting in excessive backwash flow rates.	An inventory reduction was done via suspension and pumping to the sludge storage tank.
	The master control panel (MCP) is inaccurate compared to the local readout from the magnetic flow meter due to a flaw in the original software programming.	The software program was modified to fix the inaccuracy.
	GAC vessels needed higher frequency of backwashing do to solids loading and reduced carbon granular size.	The GAC vessels were back flushed using a modified method of air and water in order to remove inventoried solids and increase the void ratio.
October 2003	Recycle Pump #1 sheared a coupling.	Operations continued using Recycle Pump #2 while coupling on #1 was replaced.
	High recycling rates from the sand filters have been occurring due to solids loading.	A pilot sand filter bypass bag filter system was installed allowing 50 gpm to siphon from the sandfilter to the air stripper feed tanks, returning recycle rates to normal.
	Influent pump #2 has developed a small leak in the housing which was previously repaired.	Influent pump #3 was put on line and an epoxy repair attempt was scheduled for November.
	The bypass line for the air stripper has a leaking flange due to a crack. The cracked flange, which is the result of water hammer, was replaced 2 years ago due to a similar condition.	SAIC is investigating an alternative solution (dresser coupling connections) to relieve the hydraulic stress.

Figures

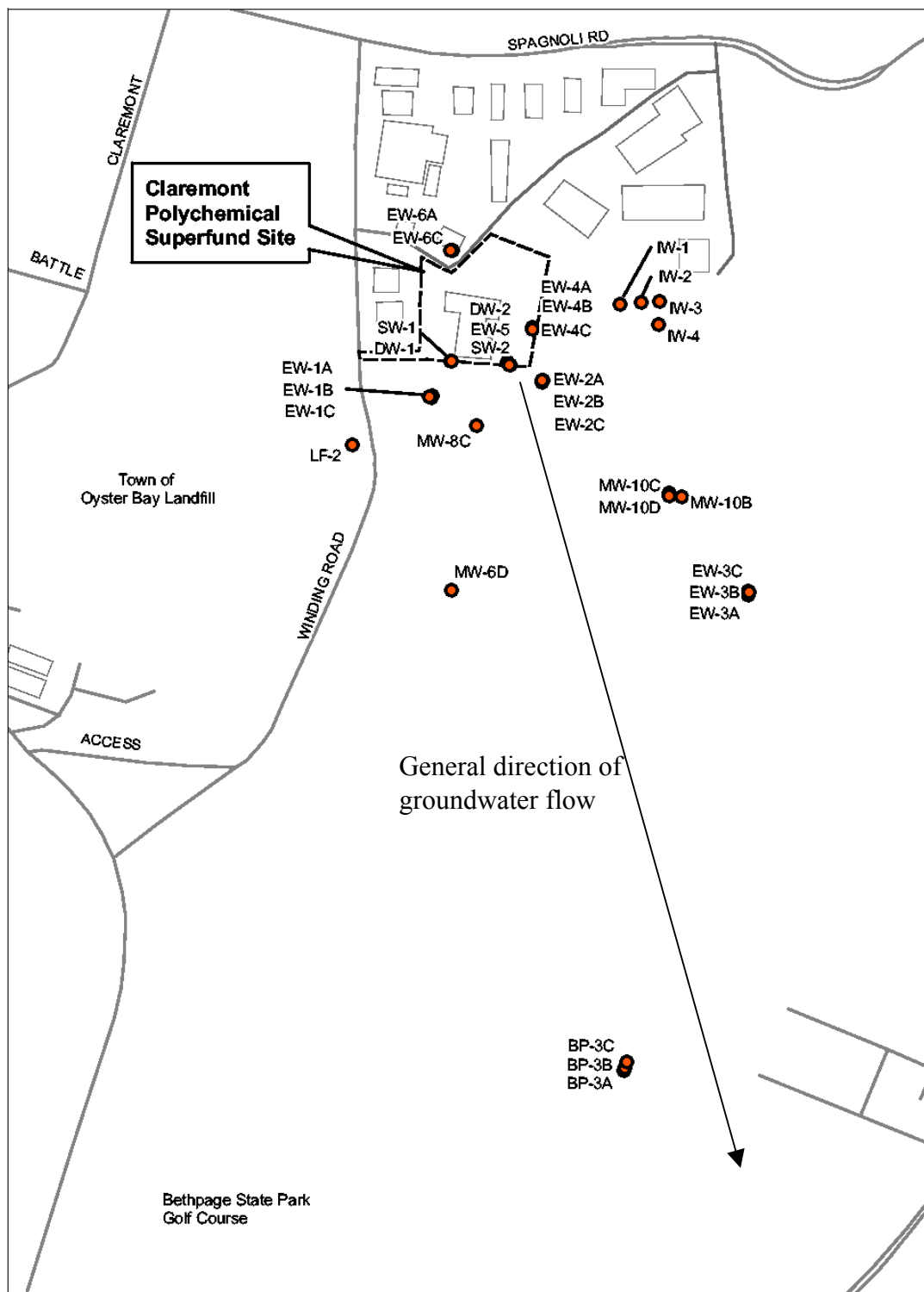


Note: This figure was adapted from the Draft Remediation System Evaluation Report (USACE, 2001)

Figure 2-1: The Claremont Polychemical Site and Surrounding Area

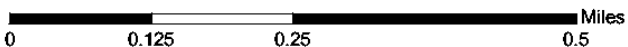
Figure 3-1
Generalized Stratigraphic Column of Rocks Underlying the Claremont Polychemical Superfund Site

SYSTEM	SERIES	Historical Group or Formation	Revised Group or Formation (1999 USGS)	Hydrogeologic Unit	Maximum Thickness (feet)	Depth from Land Surface to Top (feet)	CHARACTERISTICS of Deposits	Water Bearing Properties
QUATERNARY	Holocene	NA	NA	Alluvium	Varies Locally	Varies Locally	Clay, some sand, silt and gravel (salt marsh, stream alluvium and fill areas)	Undefined
	Pleistocene	Upper Deposits	Upper Pleistocene Deposits	Upper Glacial Aquifer	600	0-50	Till along the north shore and inn moraines (clay, sand, gravel and boulders) and outwash deposits (quartzose sand) to the south. Glaciolacustrine deposits (mostly in central and eastern Long Island) and Marine clay (locally along south shore) consist of silt, clay, and some sand/gravel layers: includes the "20-foot clay" in southern Nassau and Queens Counties.	Till deposits are poorly permeable but outwash deposits are moderate to highly permeable (producing 10 to 200 gpm per foot). Glaciolacustrine deposits are poorly permeable (perched zones) but locally have thin moderately permeable layers of sand and gravel. Locally till moraines retard salt water encroachment.
Unnamed Unconformity								
TERTIARY(?)	Pliocene(?)	Manhasset Gravel	Gardiners Clay	Commonly Included with the Upper Glacial Aquifer	300	0-120	Gravel, fine to coarse, lenses of sand and scattered clay lenses. Colors are white, yellow and brown and occur only near Nassau-Suffolk county border near the central portion of Long Island. Recent reports by the USGS split this unit into Gardiners Clay and underlying Jameco Gravel and define the system/series as Quaternary/Pleistocene.	Gravels are high permeability but occurs mostly above the water table.
			Jameco Gravel					
Coastal Plain Unconformity (well defined angular unconformity)								
CRETACEOUS	Upper Cretaceous	Magothy Formation	Mommouth Group	Magothy Aquifer	1,100	0-600	Sand, fine to medium, clayey in part; interbedded with lenses and layers of coarse sand and sandy to solid clay. Gravel is common in basal 50-200 feet. Sand and gravel are quartzose. Lignite, pyrite and iron oxide are concretions are common; contains muscovite, rutile and garnet as accessory minerals. Colors are gray, white, red, brown and yellow. Contact with the underlying Raritan Formation is unconformable.	Most layers are poor to moderately permeable with some highly permeable areas. Specific capacities generally range from 1 to 30 gpm per foot of drawdown. Generally excellent quality but locally has high iron content along north and south shore. Has been invaded by salty groundwater in western Nassau and southern Queens counties. It is the principal aquifer for water supply wells in
			Matawan Group - Magothy Formation Undifferentiated					
		Raritan Formation	Unnamed Clay Member	Raritan Clay	300	70-1,500	Clay, solid and silty; few lenses and layers of sand with some gravel. Lignite and pyrite is common. Colors are gray, red and white and commonly variegated.	Poorly permeable constituting the confining layer for the underlying Lloyd aquifer.
			Lloyd Sand Member	Lloyd Sand Aquifer	500	200-1,800	Fine to coarse-grained sand with gravel. Some clayey to silty lenses with lignite and iron concretions. Sand and most gravel are quartzose with yellow, gray and white colors and some locally red clay. Overlying contact with the Raritan Clay is conformable and locally gradational.	Poor to moderately permeable. Specific capacities of wells generally range from 1 to 25 gpm per foot of drawdown, with rare occasions of 50 gpm per foot of drawdown. Water is confined under artesian pressure but generally of excellent quality with slight iron content locally. Some saltwater intrusion in the North Shore along the Necks where the aquifer is shallow and overlying clay discontinuous.
Unnamed Unconformity								
PRECAMBRIAN	NA	Bedrock	Bedrock	Bedrock	Undefined	0-2,700	Crystalline metamorphic and Igneous rock; schist, gneiss and granite with 100 foot thick weathered zone	Poorly permeable with only a few wells near western Queens and Kings counties obtaining water from the bedrock.



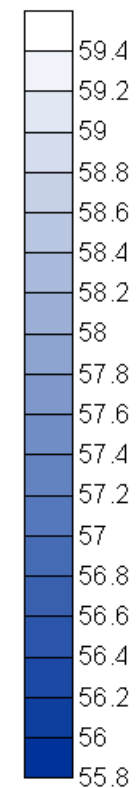
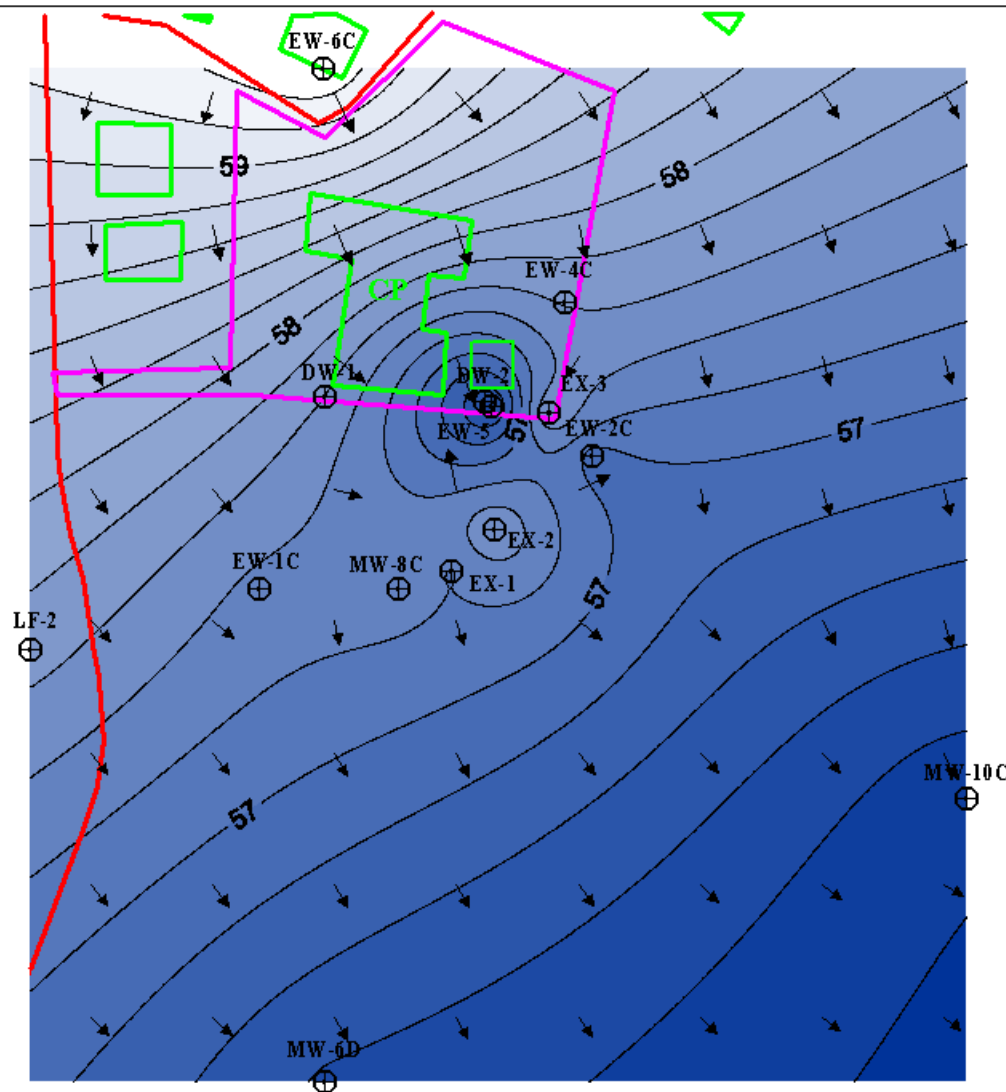
Legend

- Well Location and ID



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Superfund Site
Old Bethpage, New York

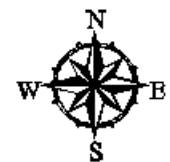
Figure 3-2 Well Locations



AMSL
(feet)

Legend

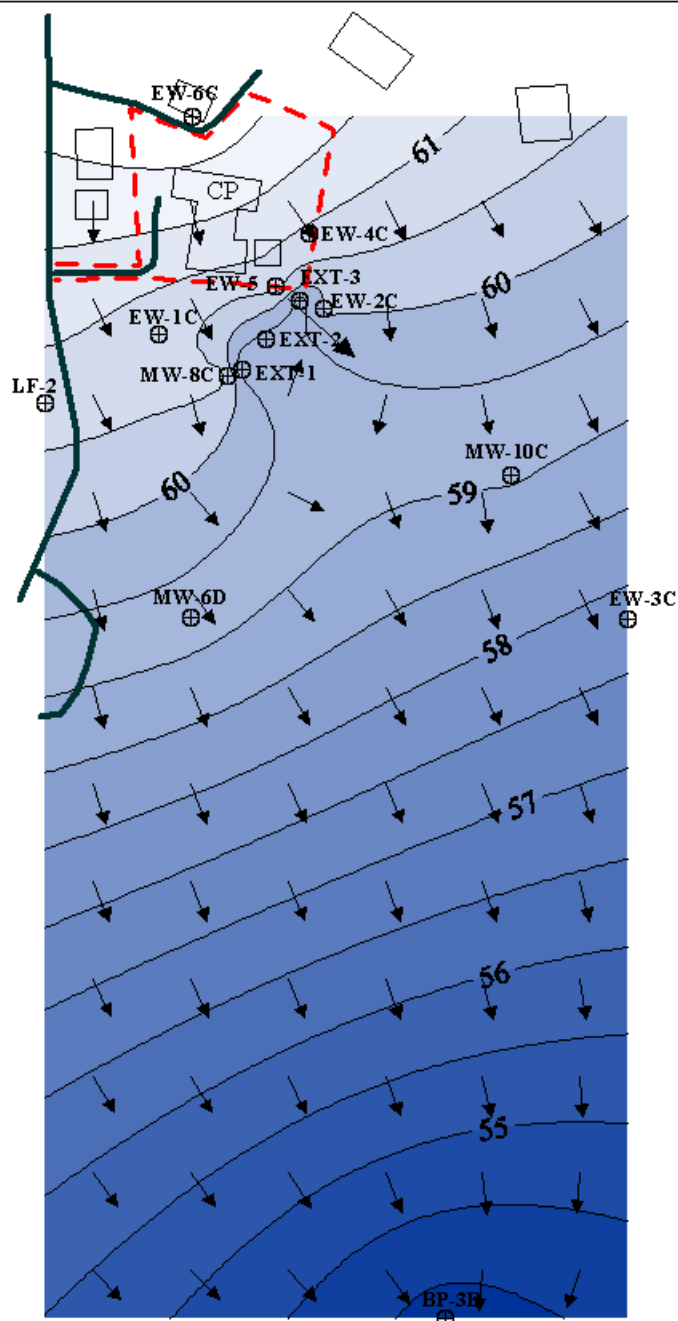
- ⊕ Monitoring Well
- Equipotential Lines
- Site Property Boundary
- Buildings and Major Structures
- Primary Roads
- ← Groundwater Flow Lines



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Claremont Polychemical Superfund Site
Old Bethpage, New York

Figure 3-3: Groundwater Potentiometric Surface Map, October 2002



Legend

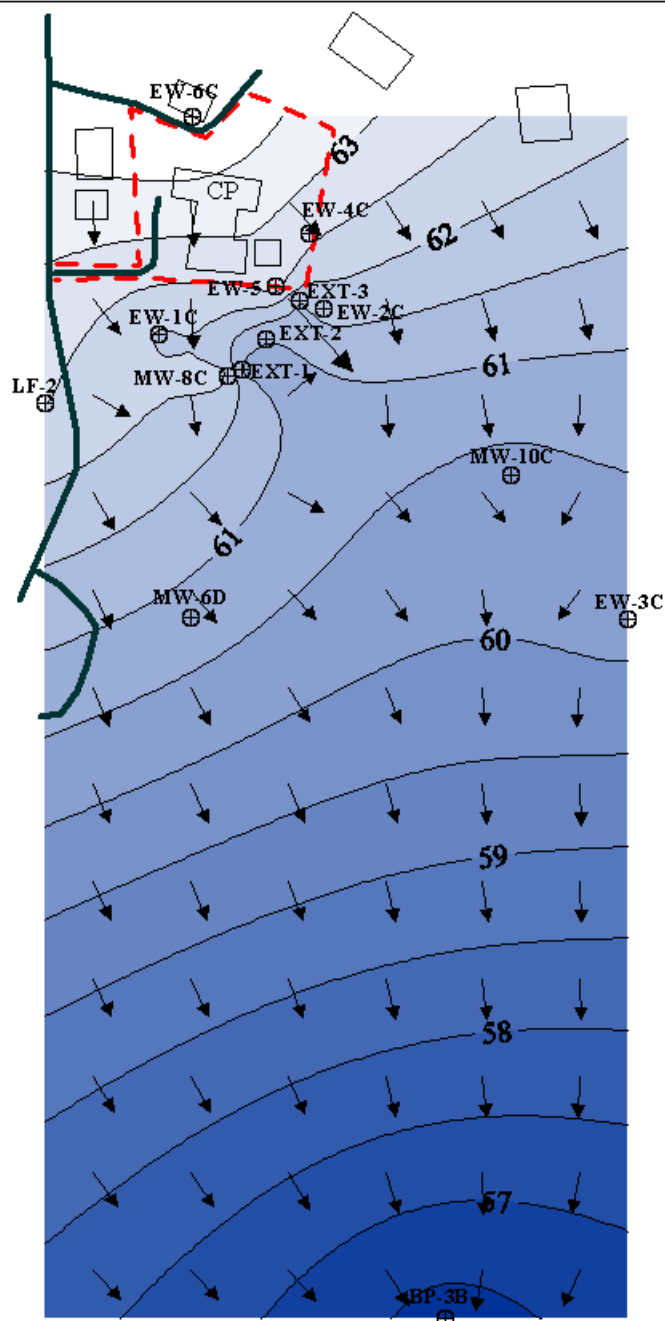
-  Buildings
-  Site Property Boundary
-  Roads
-  Equipotential Lines
-  Monitoring Well
-  Groundwater Flow Lines



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Figure 3-4: Groundwater Potentiometric
Surface Map, April 2003



Legend

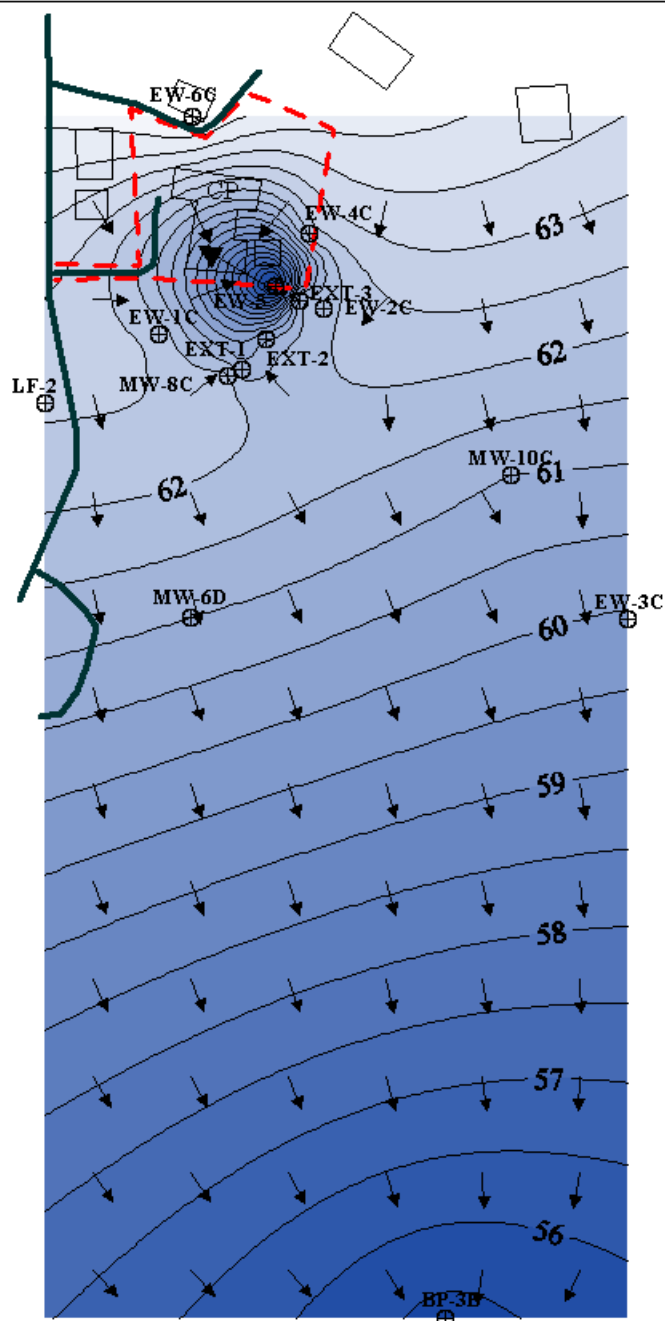
-  Buildings
-  Site Property Boundary
-  Roads
-  Equipotential Lines
-  Monitoring Well
-  Groundwater Flow Lines



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Claremont Polychemical Superfund Site
Old Bethpage, New York

Figure 3-5: Groundwater Potentiometric
Surface Map, July 2003



Legend

-  Buildings
-  Site Property Boundary
-  Roads
-  Equipotential Lines
-  Monitoring Well
-  Groundwater Flow Lines



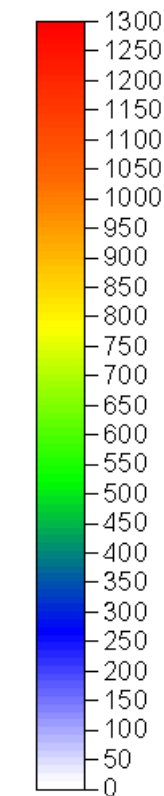
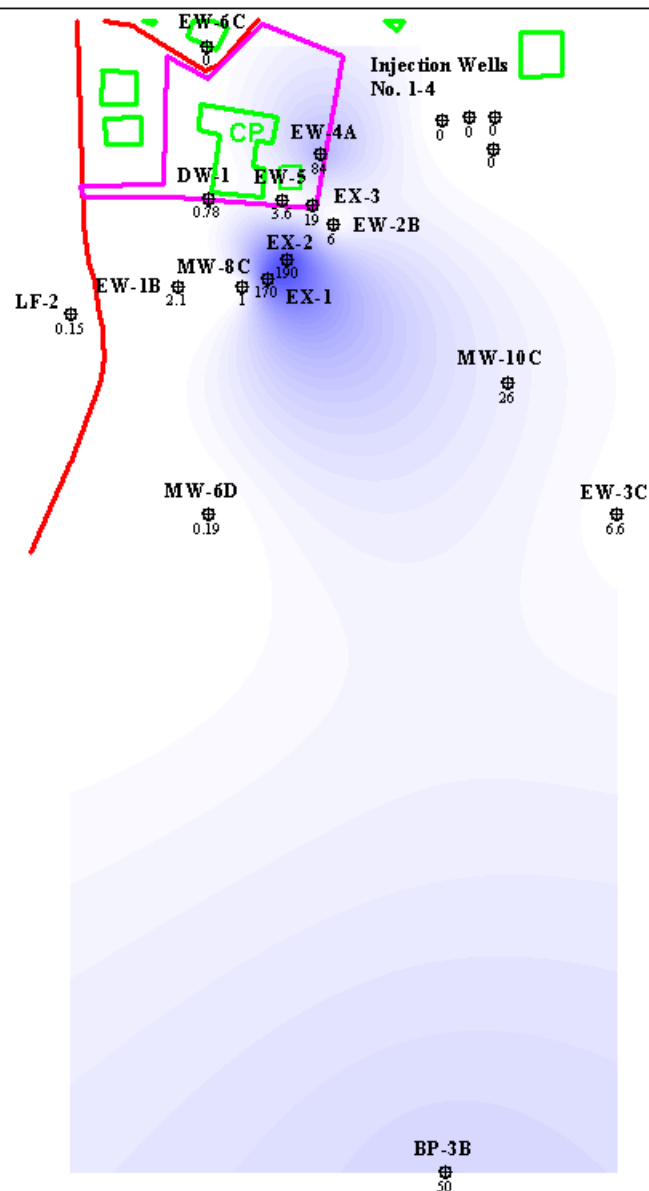
Scale in Feet
 0 500 1000 1500 2000



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Old Bethpage, New York

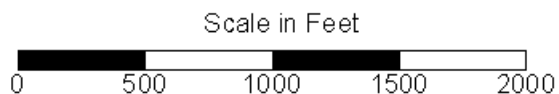
Figure 3-6: Groundwater Potentiometric Surface Map, October 2003



PCE
(µg/L)

Legend

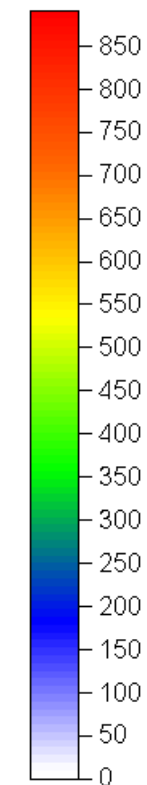
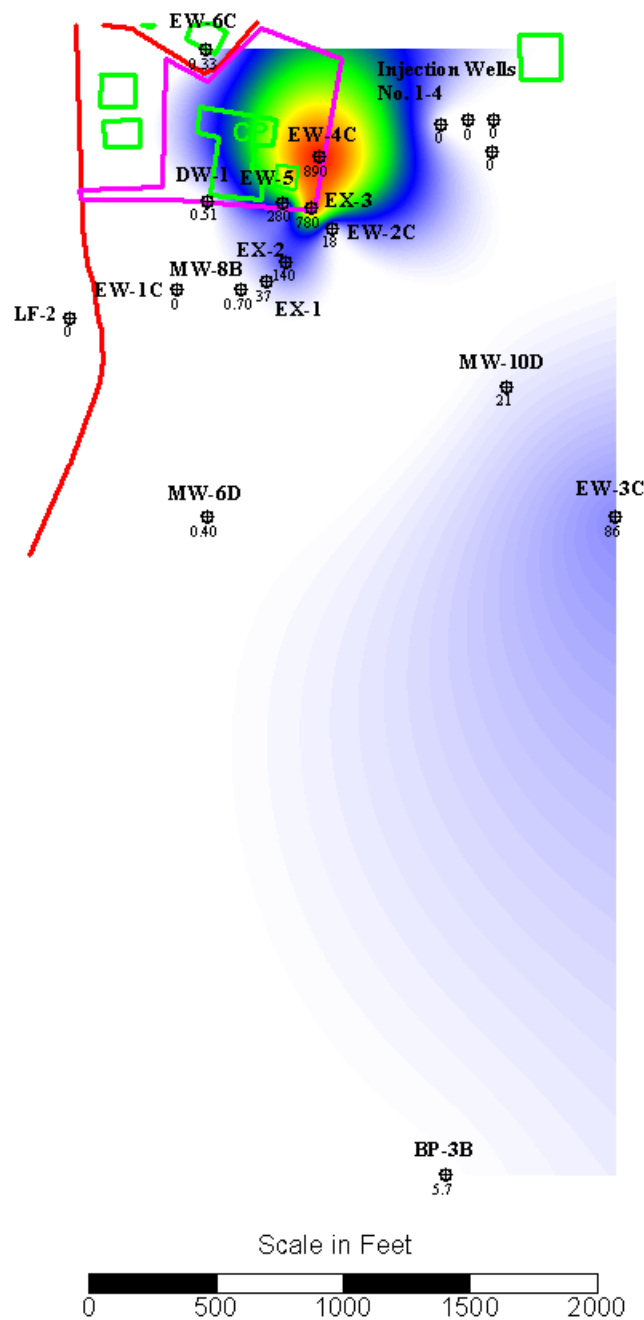
- ⊕ Monitoring Well
- Site Property Boundary
- Buildings and Major Structures
- Primary Roads



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Figure 4-1: PCE Maximum Concentrations
in Groundwater, October 2002



TCE
(µg/L)

Legend

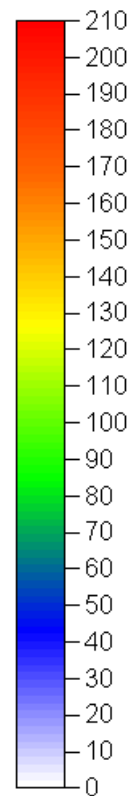
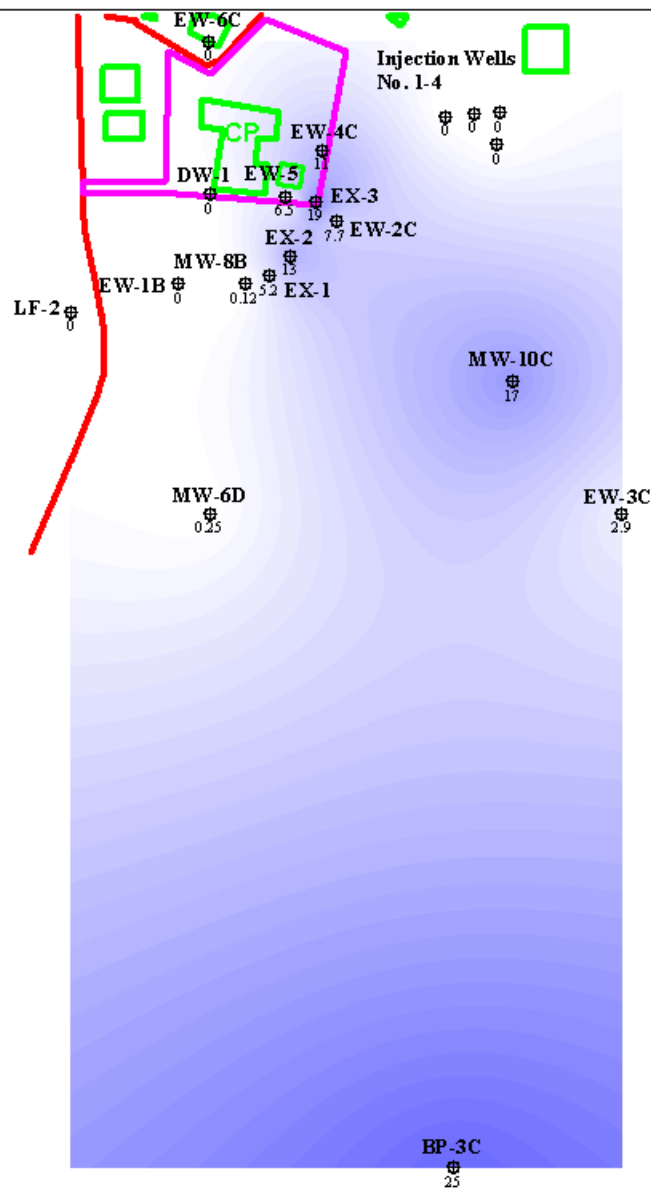
- ⊕ Monitoring Well
- Site Property Boundary
- Buildings and Major Structures
- Primary Roads



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Figure 4-2: TCE Maximum Concentrations
in Groundwater, October 2002



cis 1,2-DCE
(µg/L)

Legend

- ⊕ Monitoring Well
- Site Property Boundary
- Buildings and Major Structures
- Primary Roads



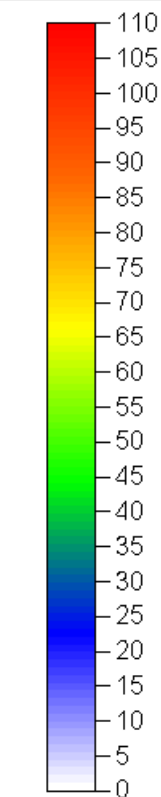
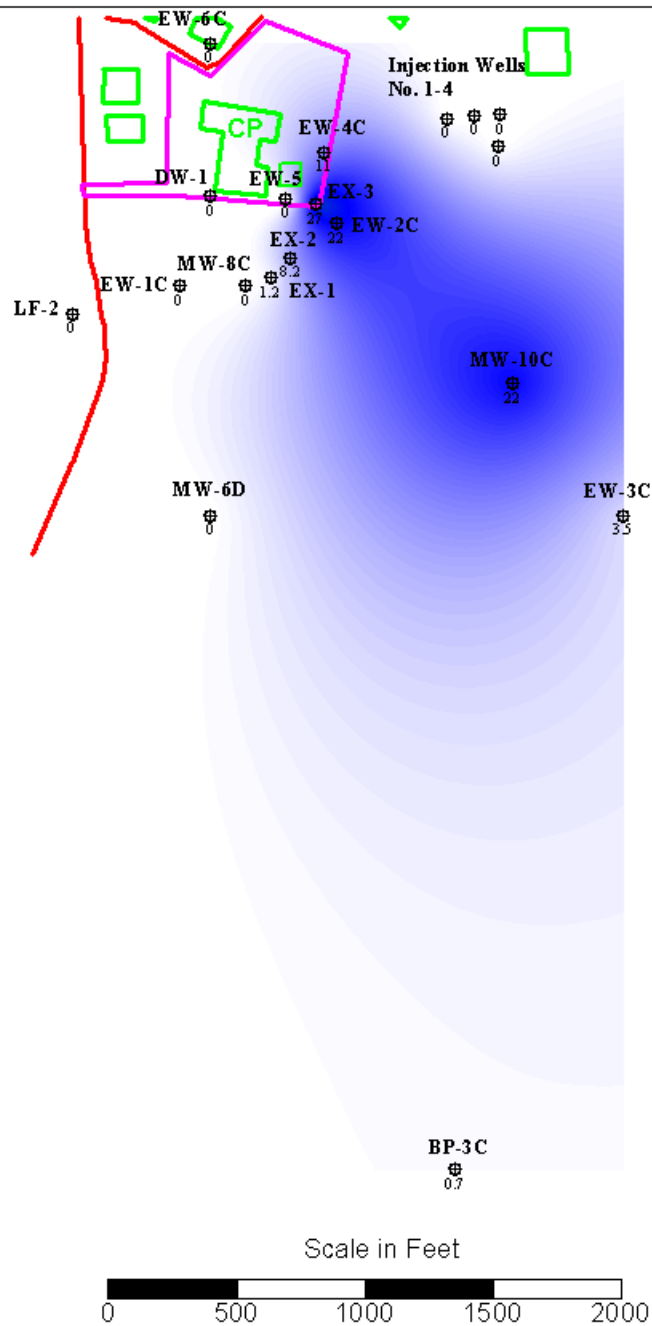
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Figure 4-3: cis 1,2-DCE Maximum
Concentrations in Groundwater, October 2002

Scale in Feet





1,1,1-TCA
(µg/L)

Legend

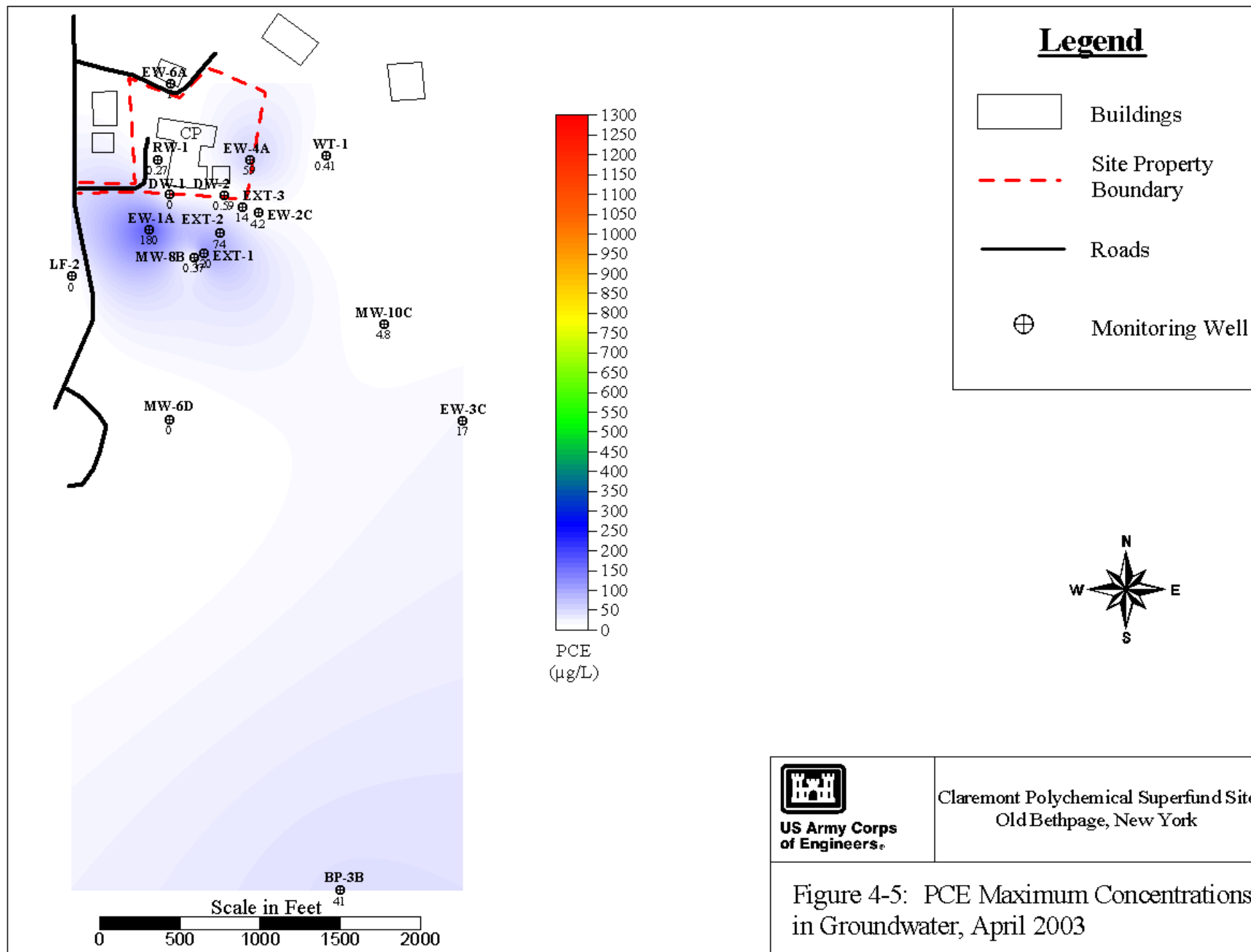
- ⊕ Monitoring Well
- Site Property Boundary
- Buildings and Major Structures
- Primary Roads

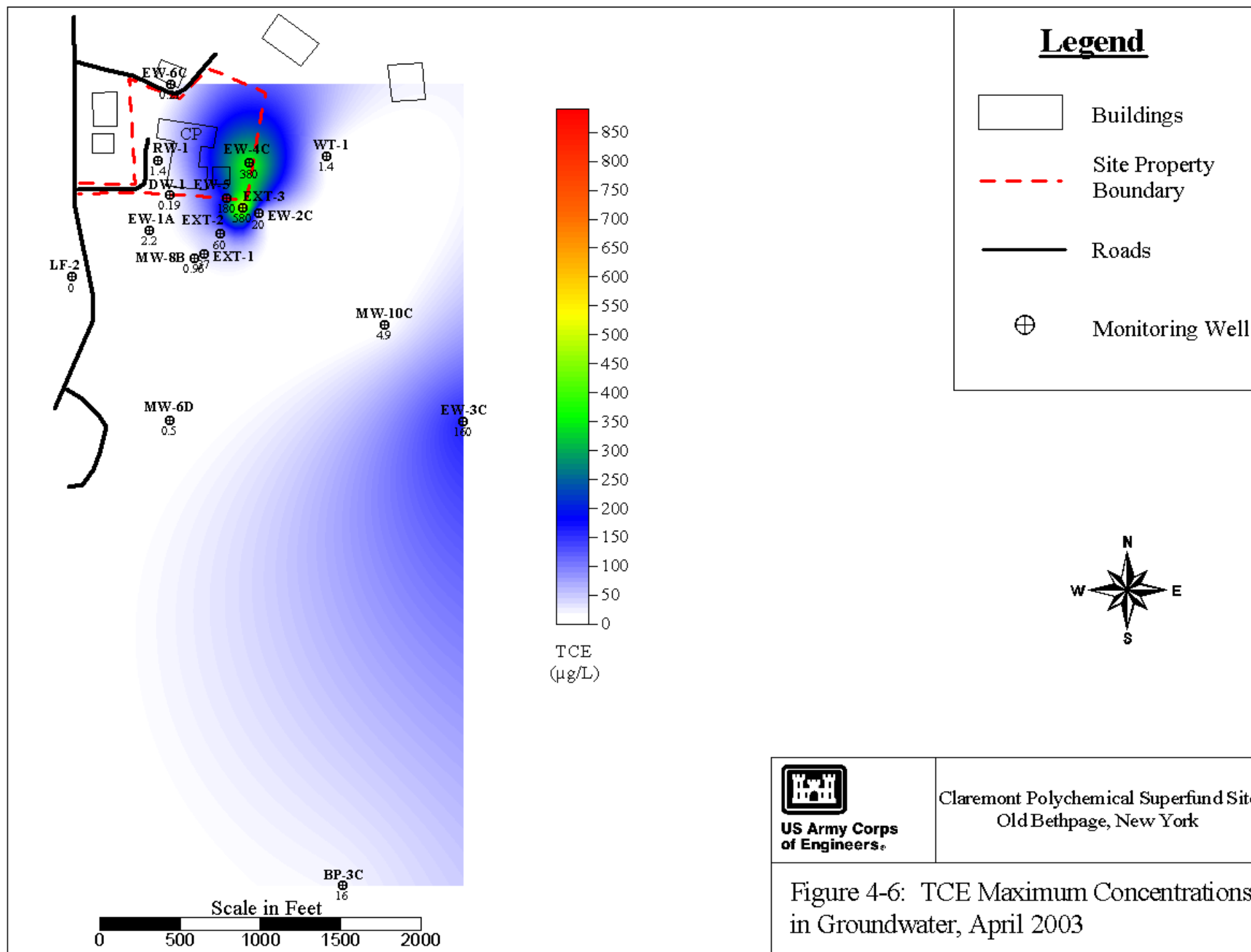


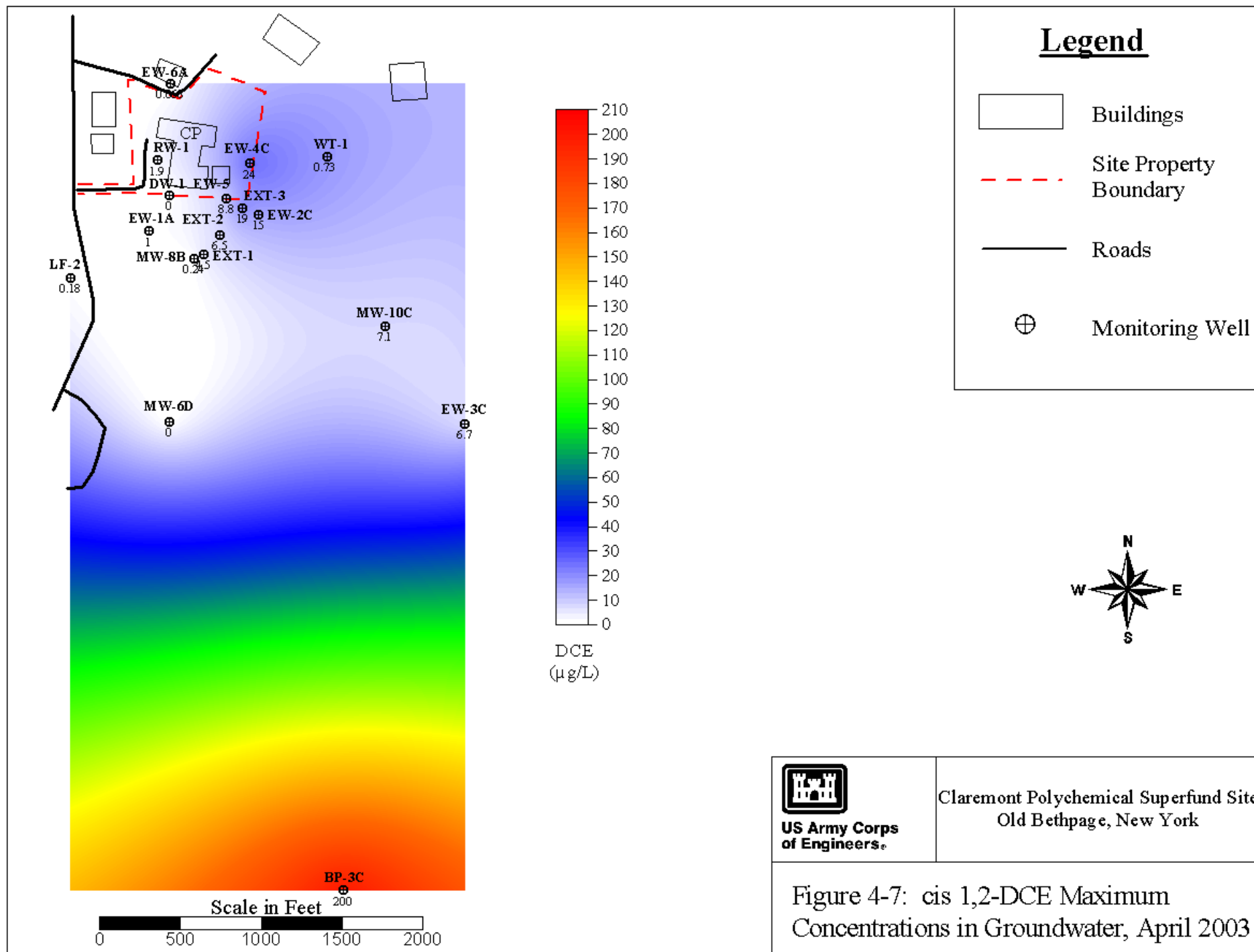
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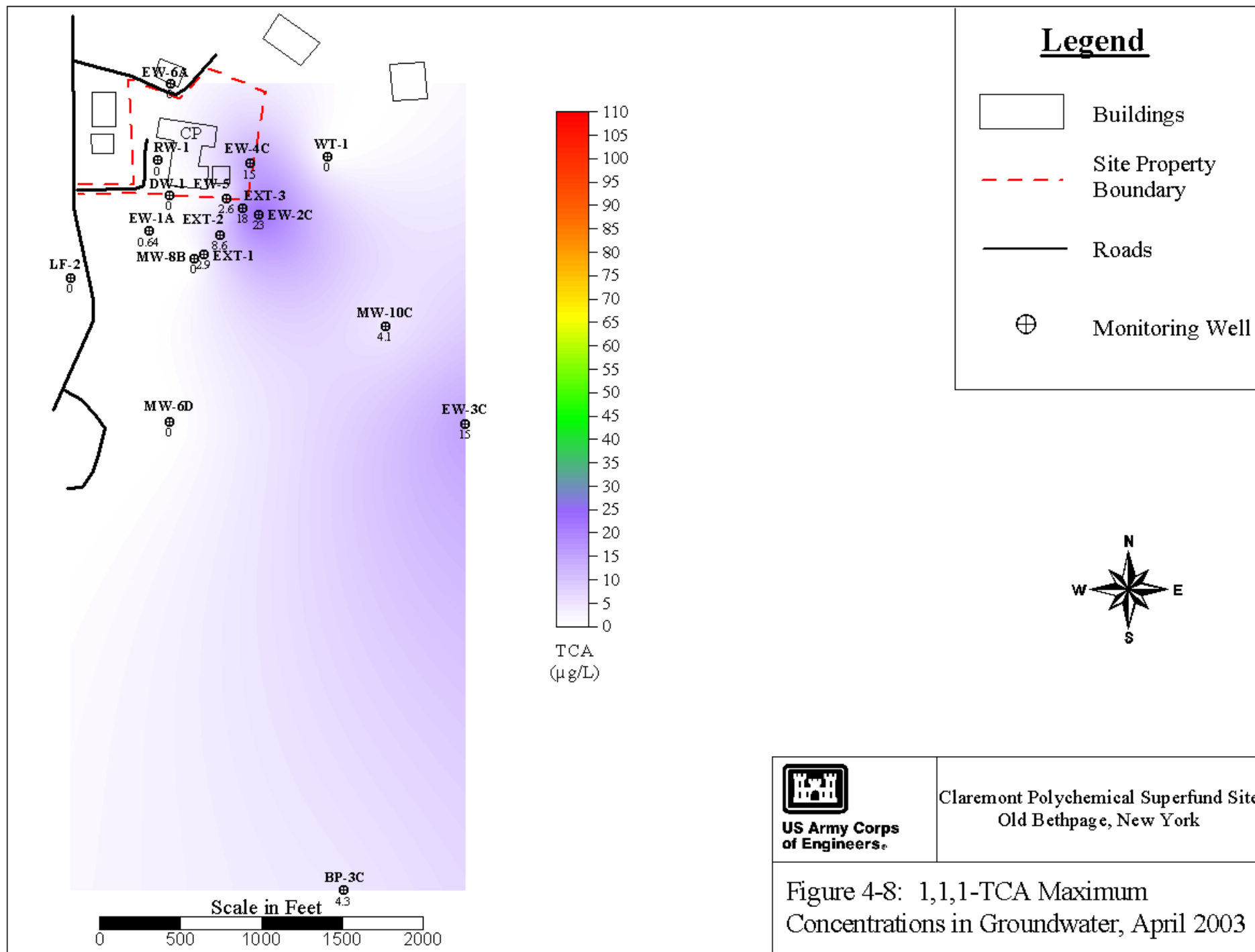
Claremont Polychemical Superfund Site
Old Bethpage, New York

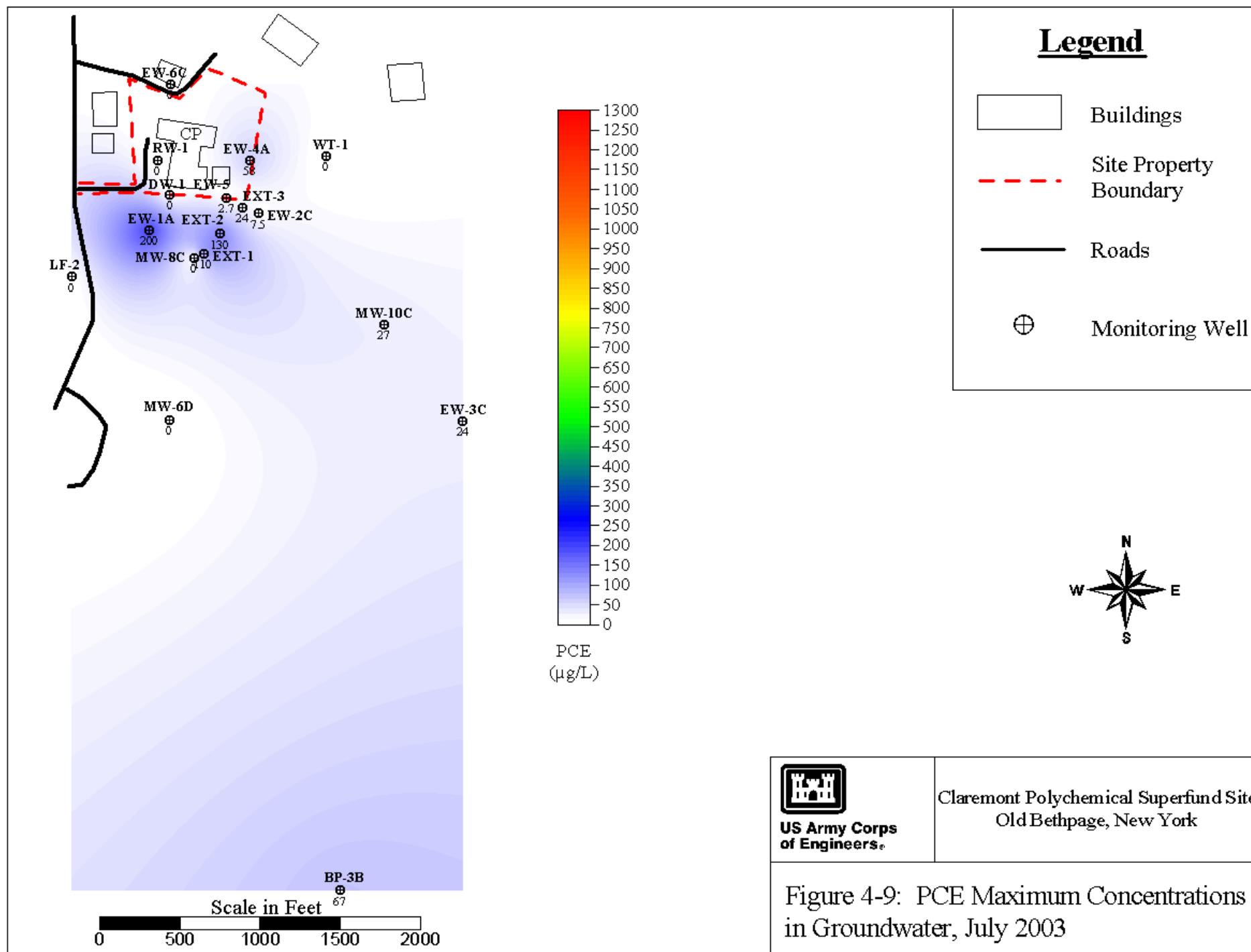
Figure 4-4: 1,1,1-TCA Maximum
Concentrations in Groundwater, October 2002

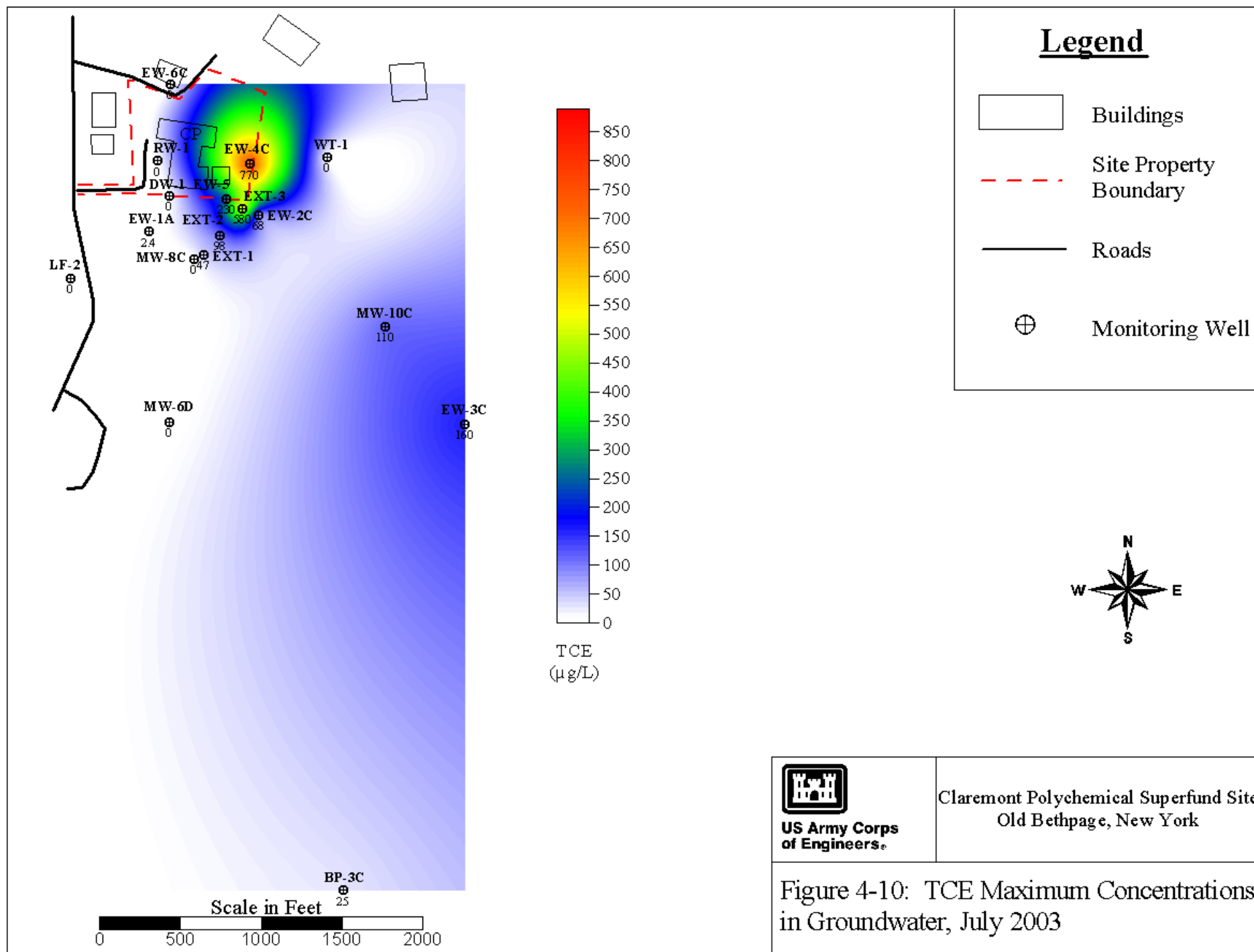


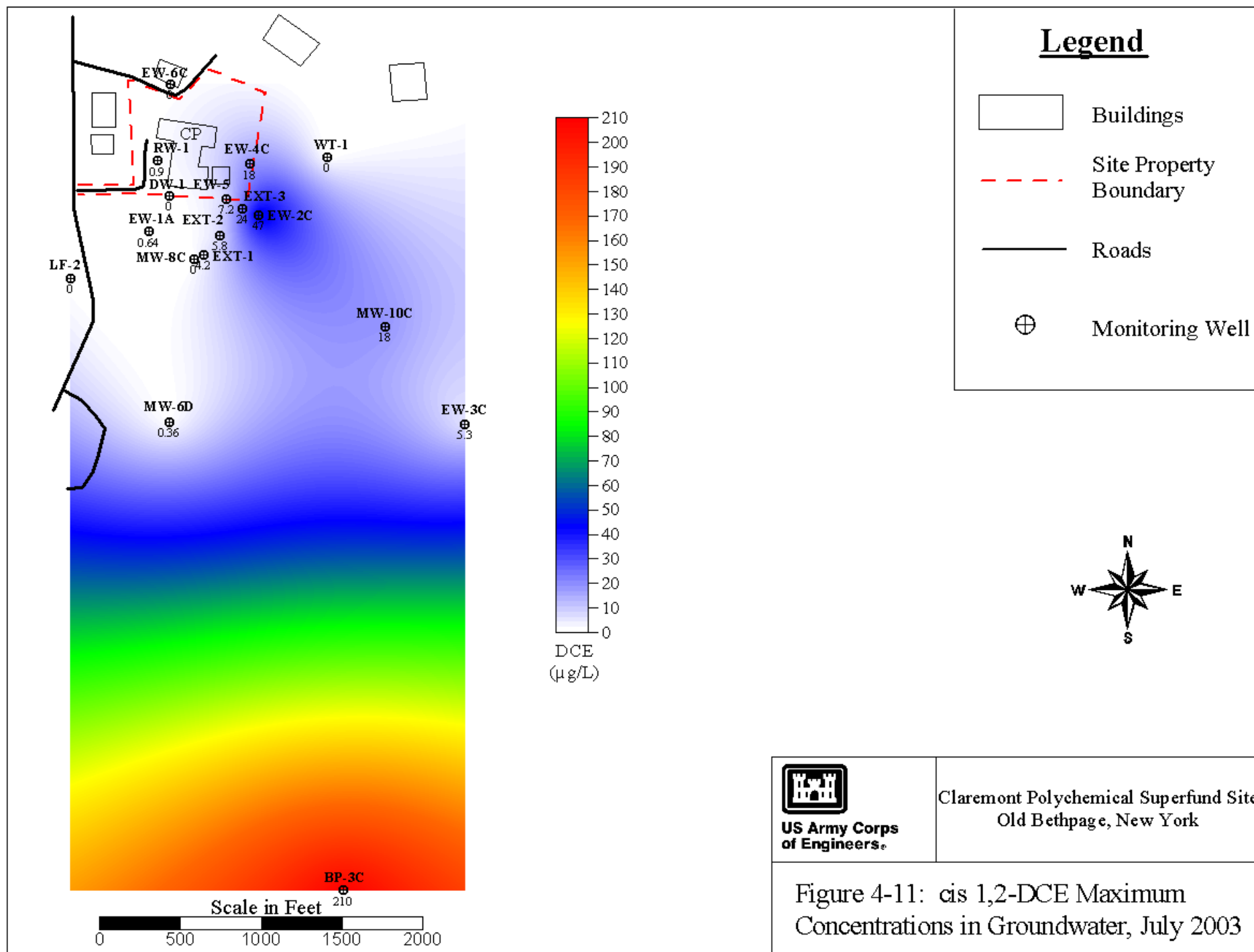


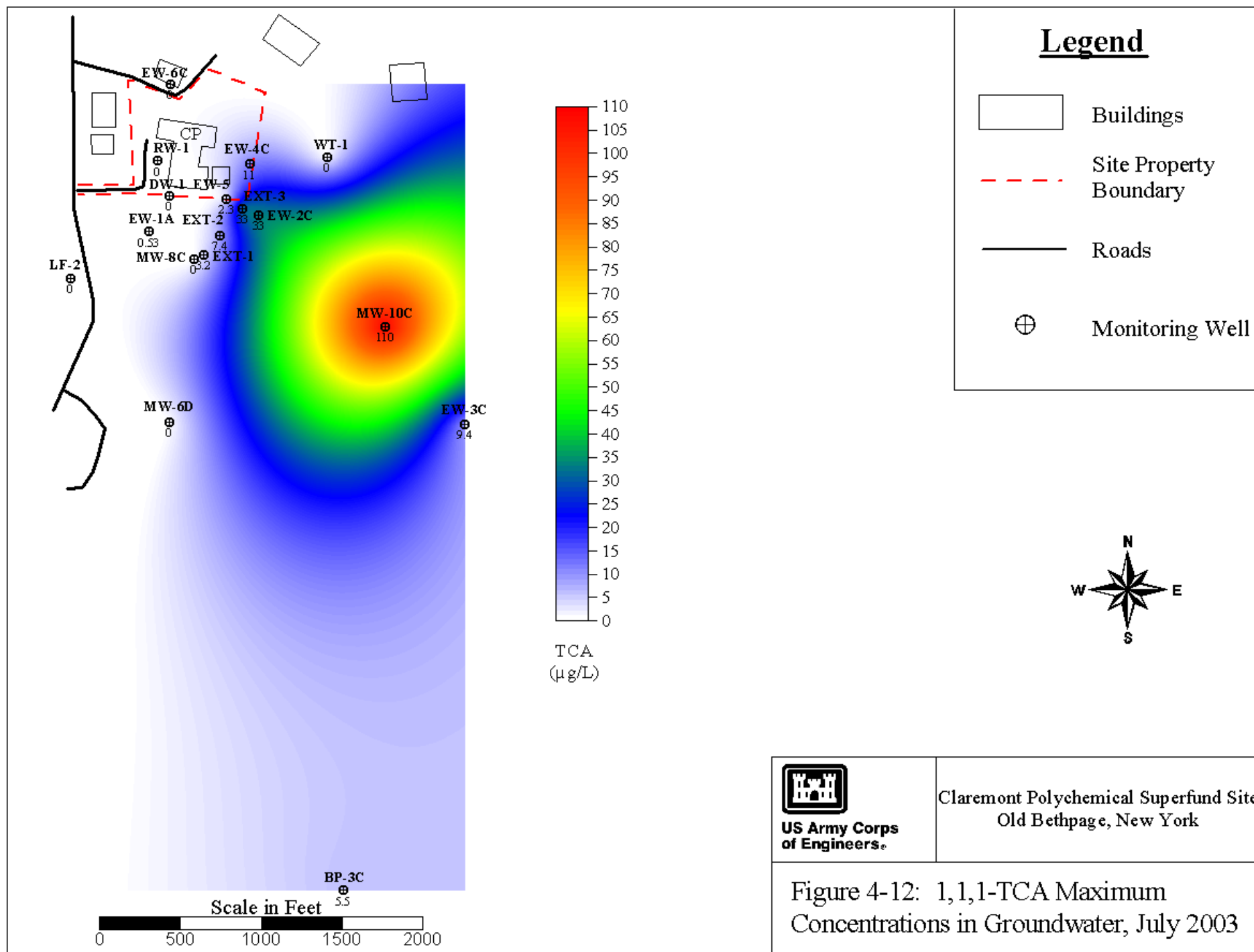


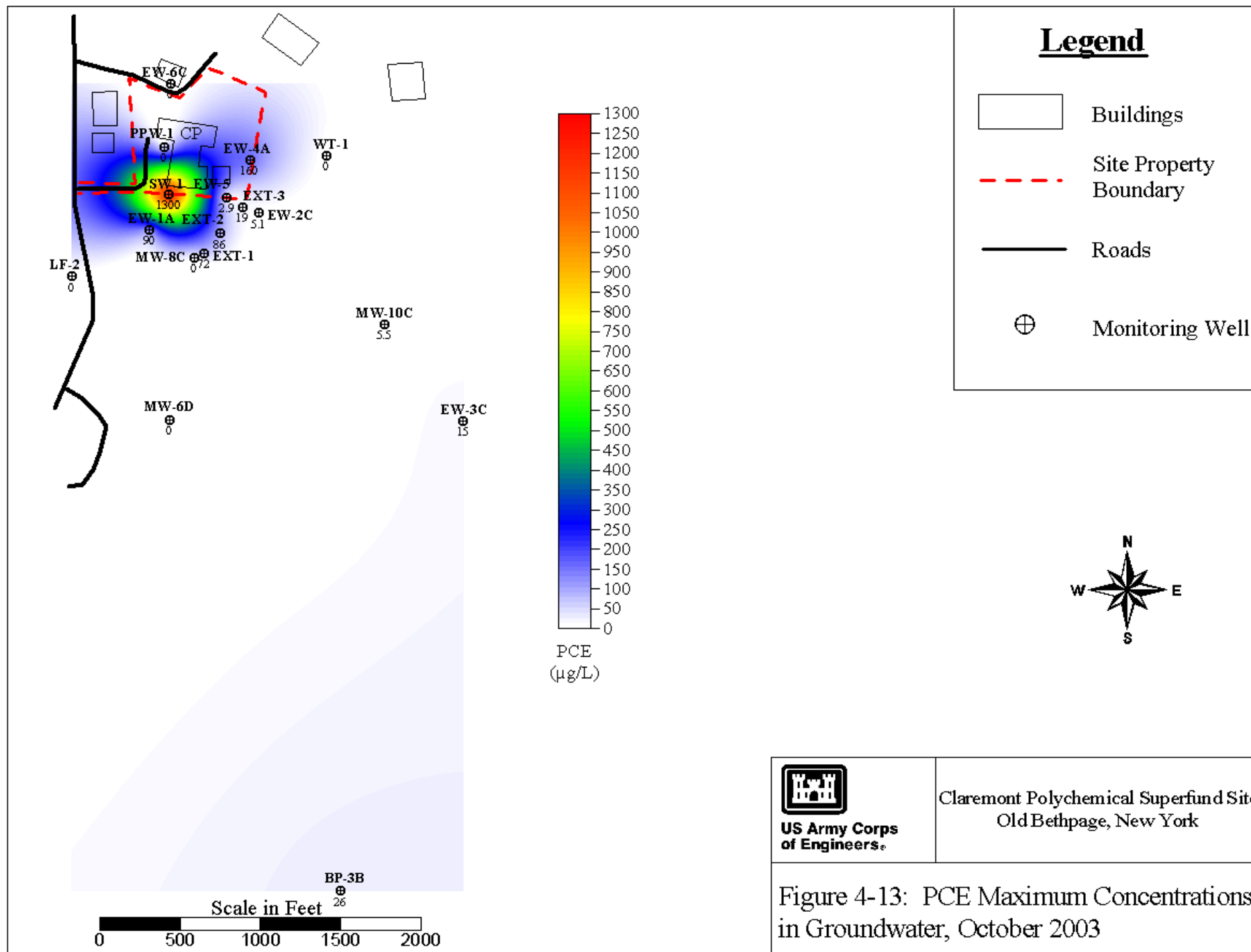






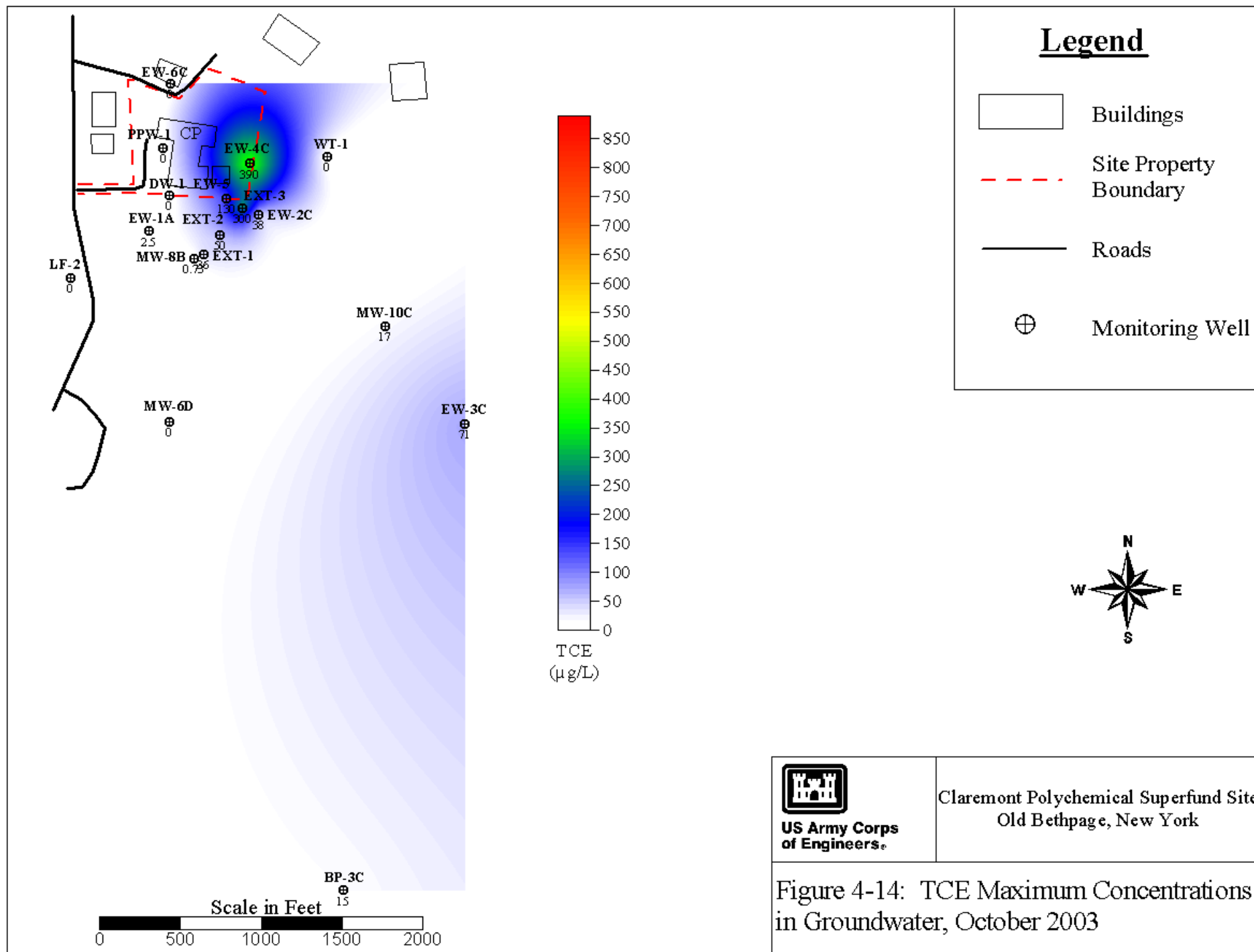


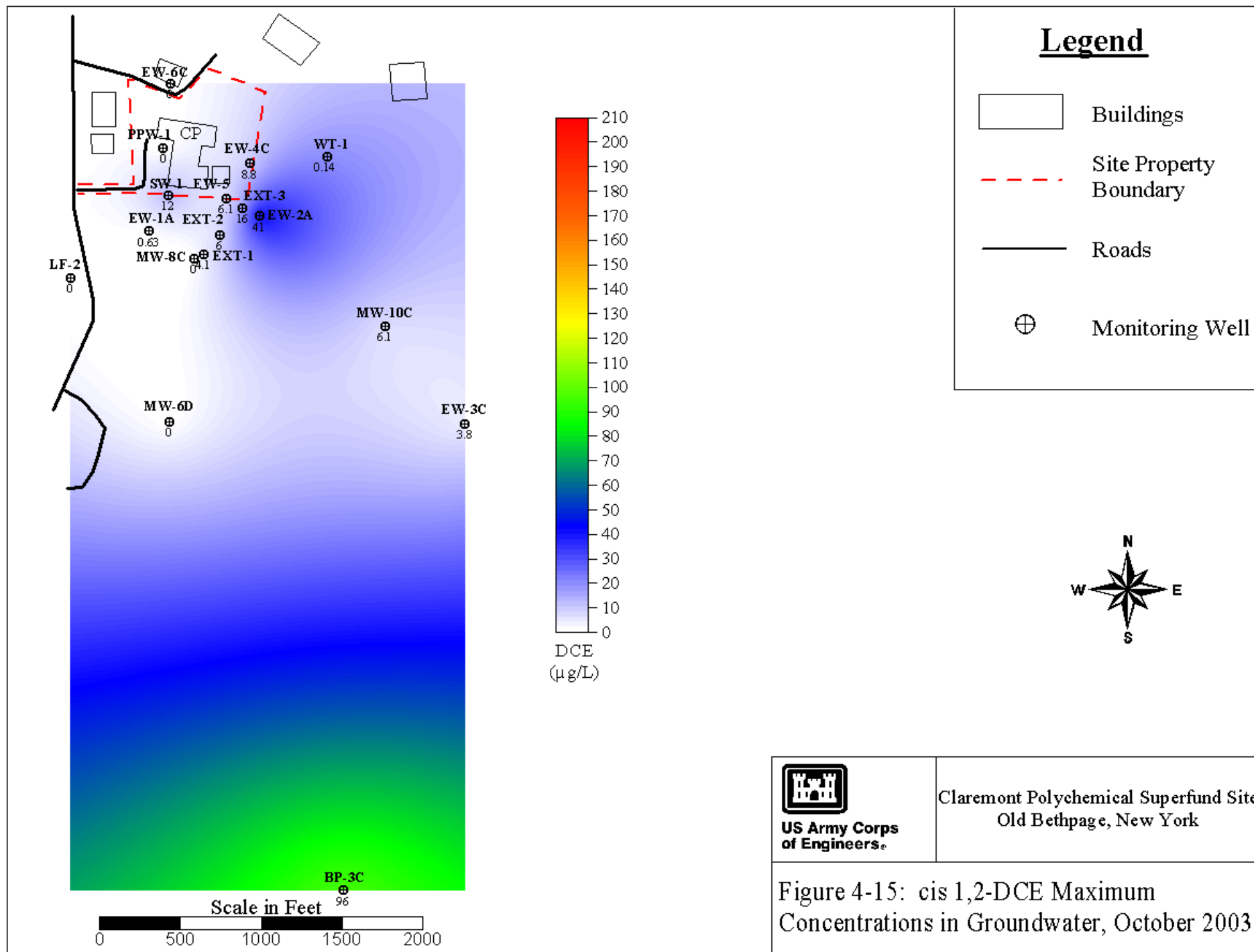




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Claremont Polychemical Superfund Site
Old Bethpage, New York





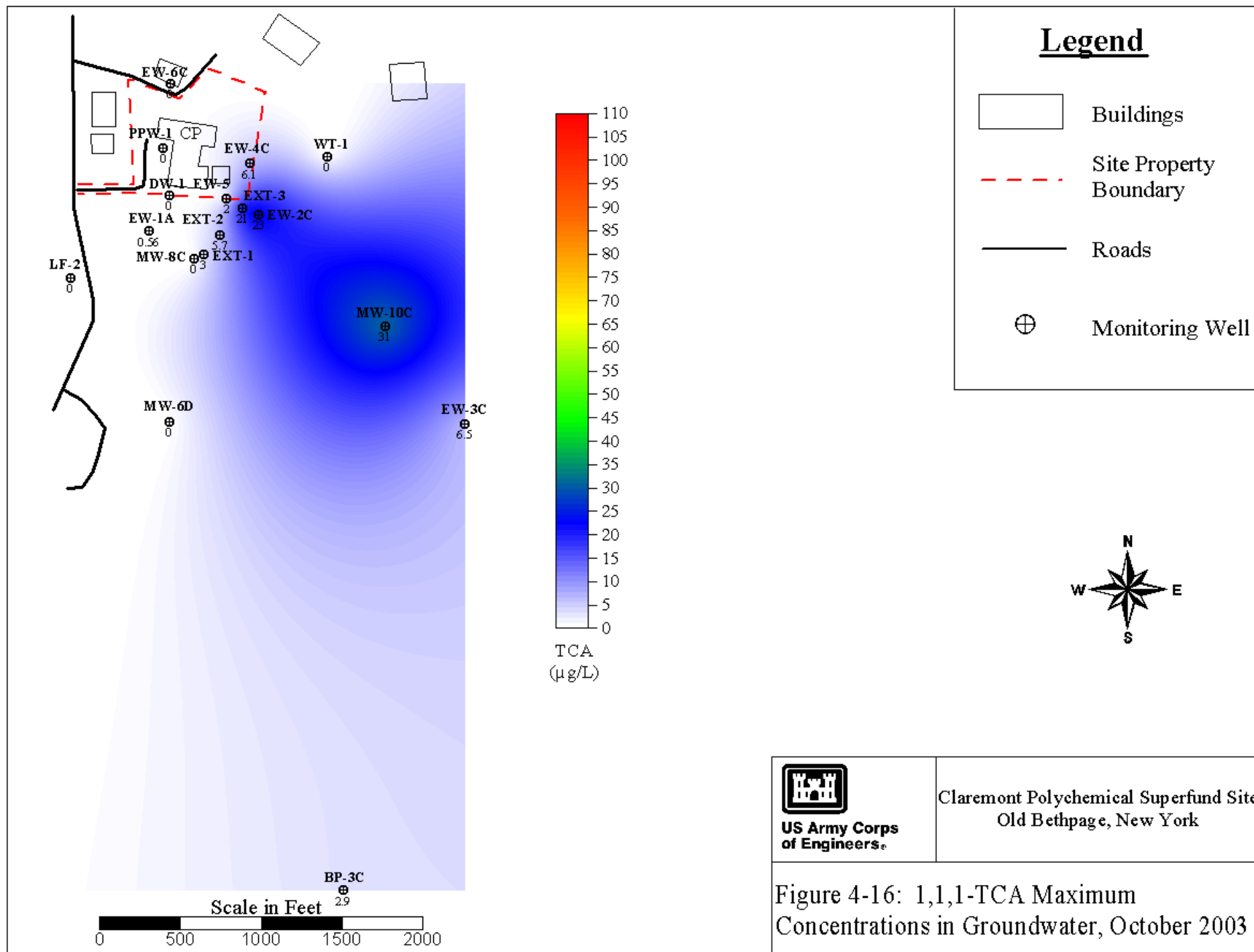
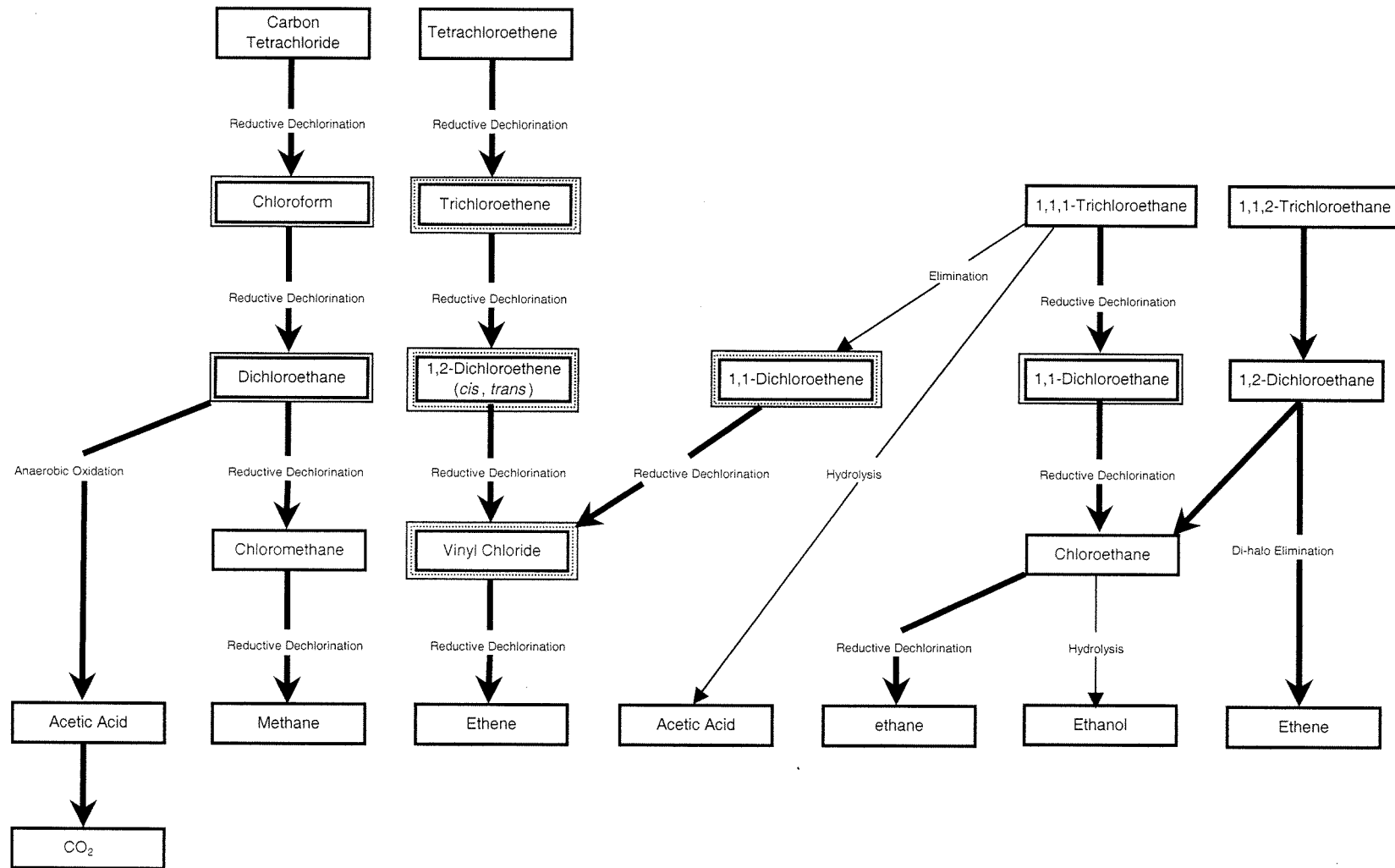


Figure 4-17. Chlorinated Solvent Breakdown Reactions



→ biotic reactions (anaerobic conditions)

→ abiotic reactions (anaerobic or aerobic conditions)

☐ aerobic mineralization to CO₂

☐ aerobic cometabolism to CO₂ in presence of toluene

☐ aerobic cometabolism to CO₂ in presence of methane

Figure 5-1: Generalized Process Flow Diagram for Treatment of Groundwater at Claremont

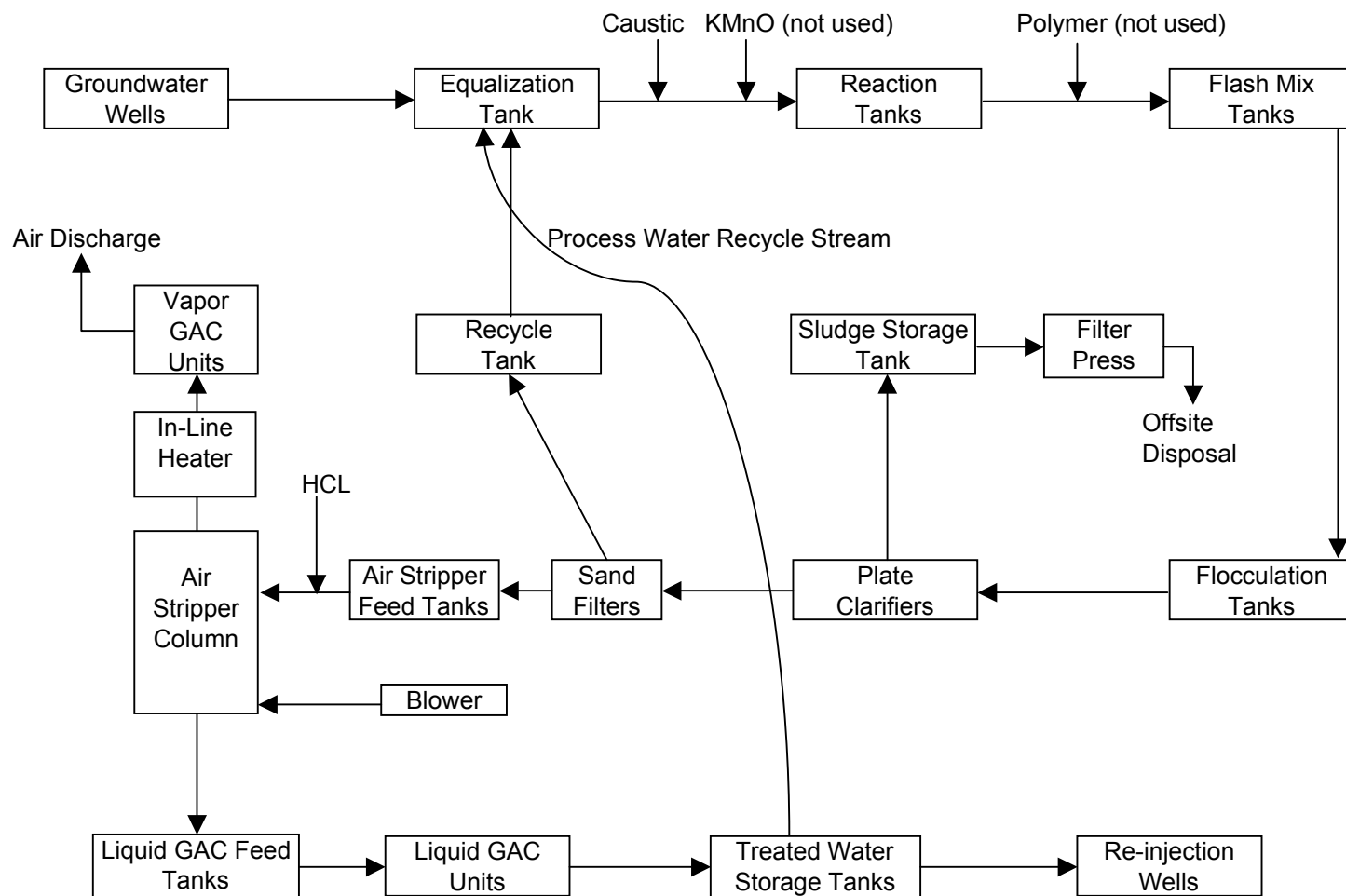


Figure 5-2: Groundwater Influent Concentrations (PCE, TCE, cis-1,2,-DCE, and 1,1,1-TCA) Vs. Time, January 29, 2003 to October 29, 2003

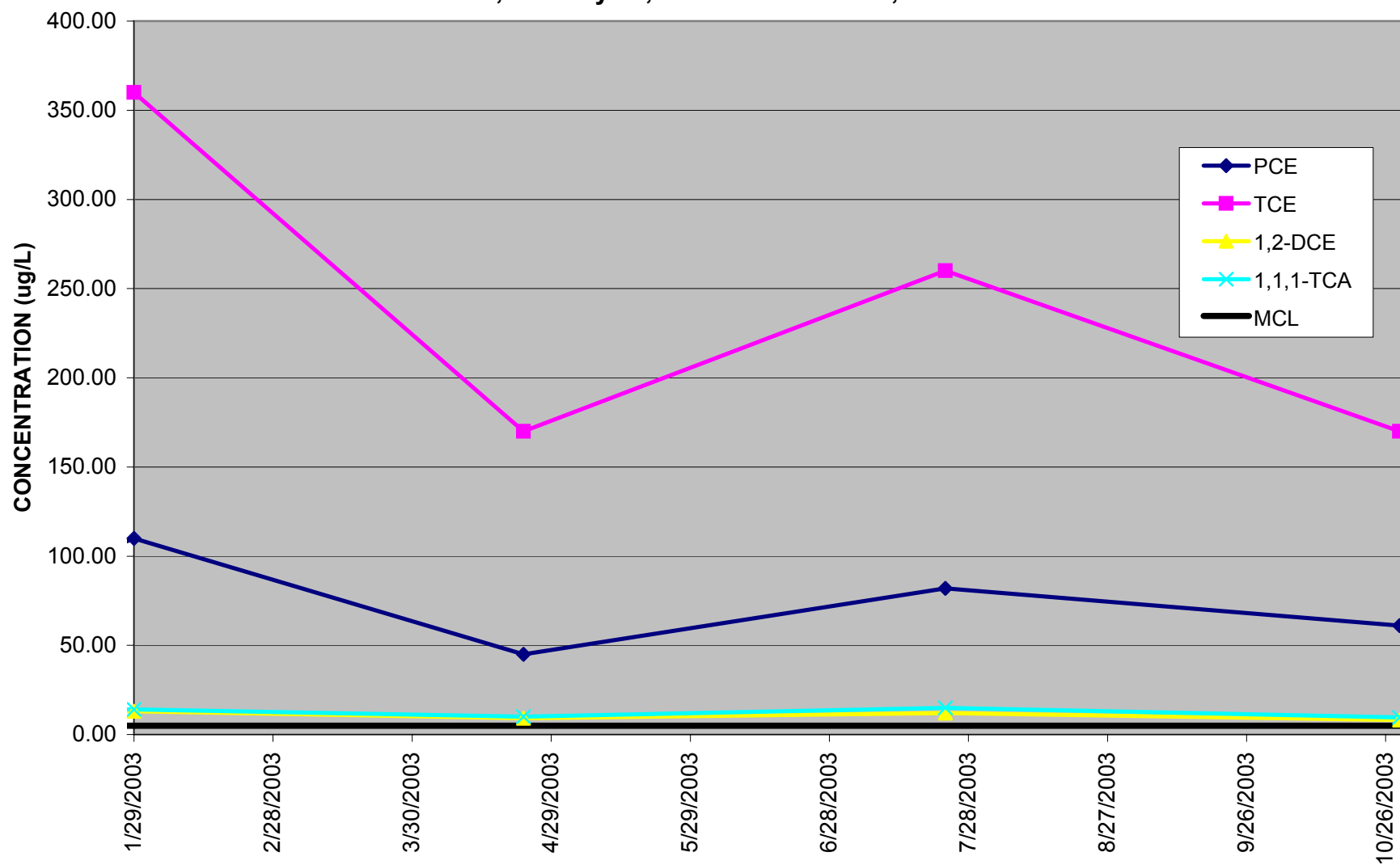


**Figure 5-3: Groundwater Influent Concentrations (Iron and Manganese) Vs. Time,
January 29, 2003 to October 29, 2003**

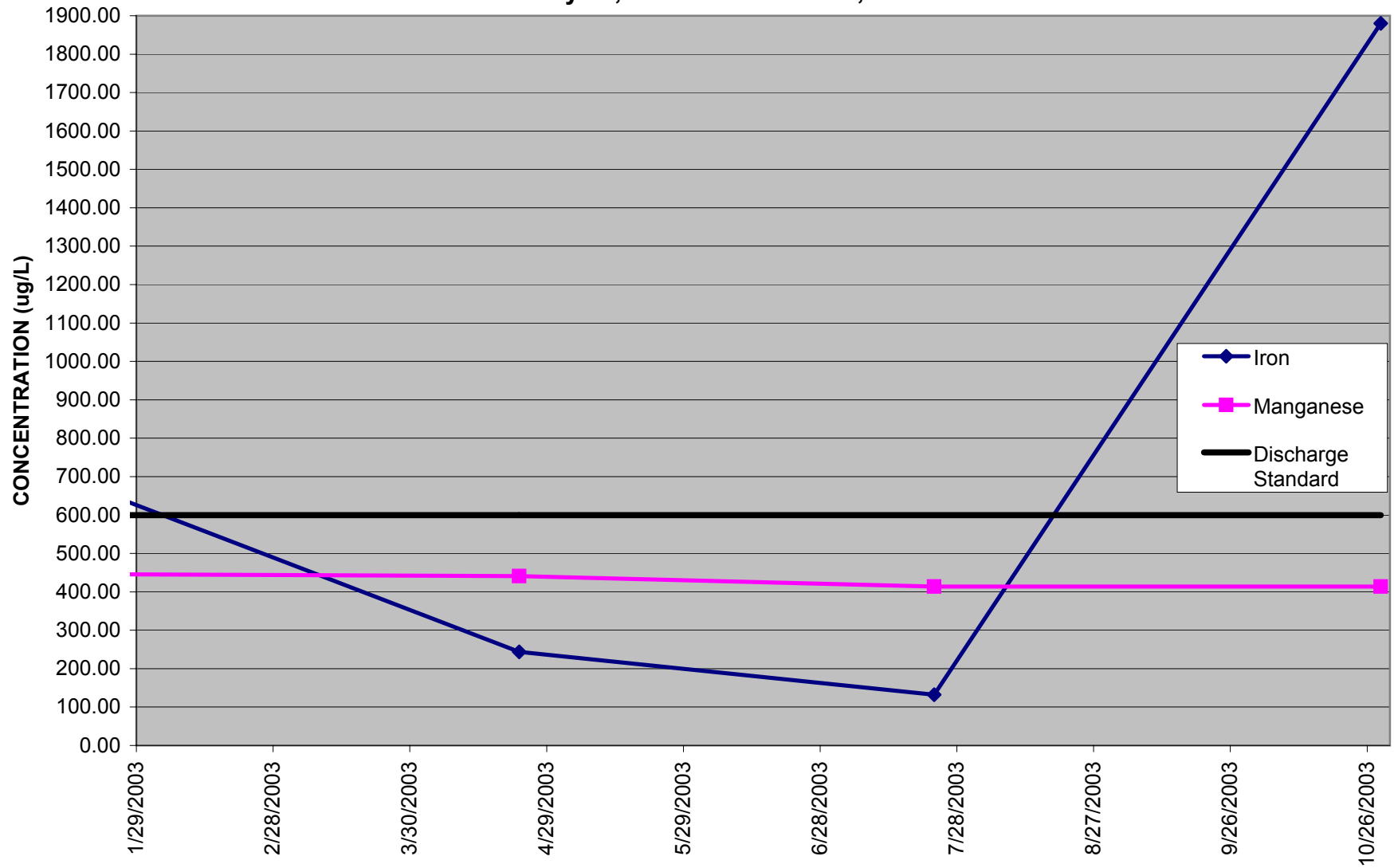


**Figure 5-4: Effluent Concentrations (PCE, TCE, cis-1,2-DCE, and 1,1,1-TCA) Vs. Time,
November 06, 2002 to September 18, 2003**

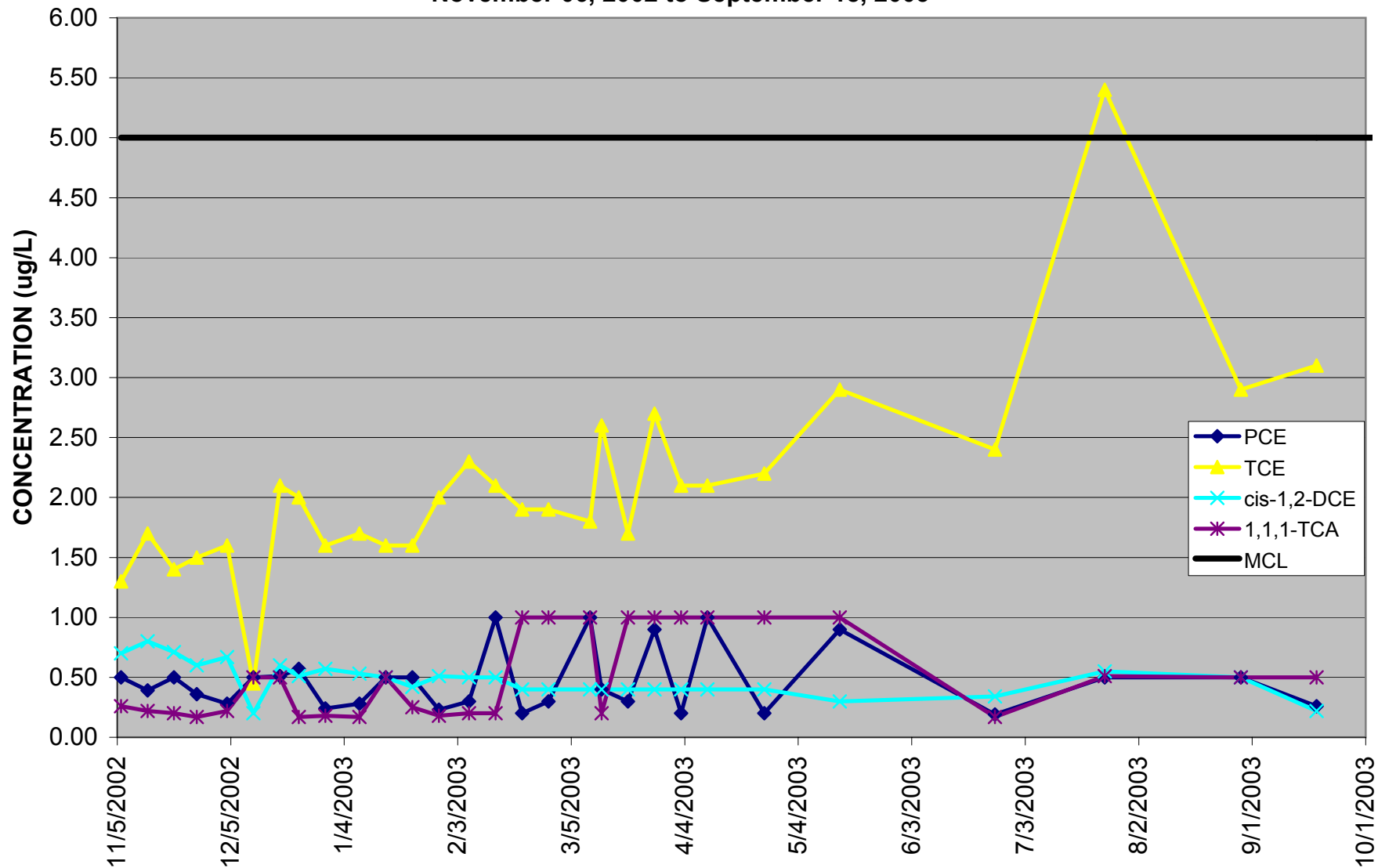
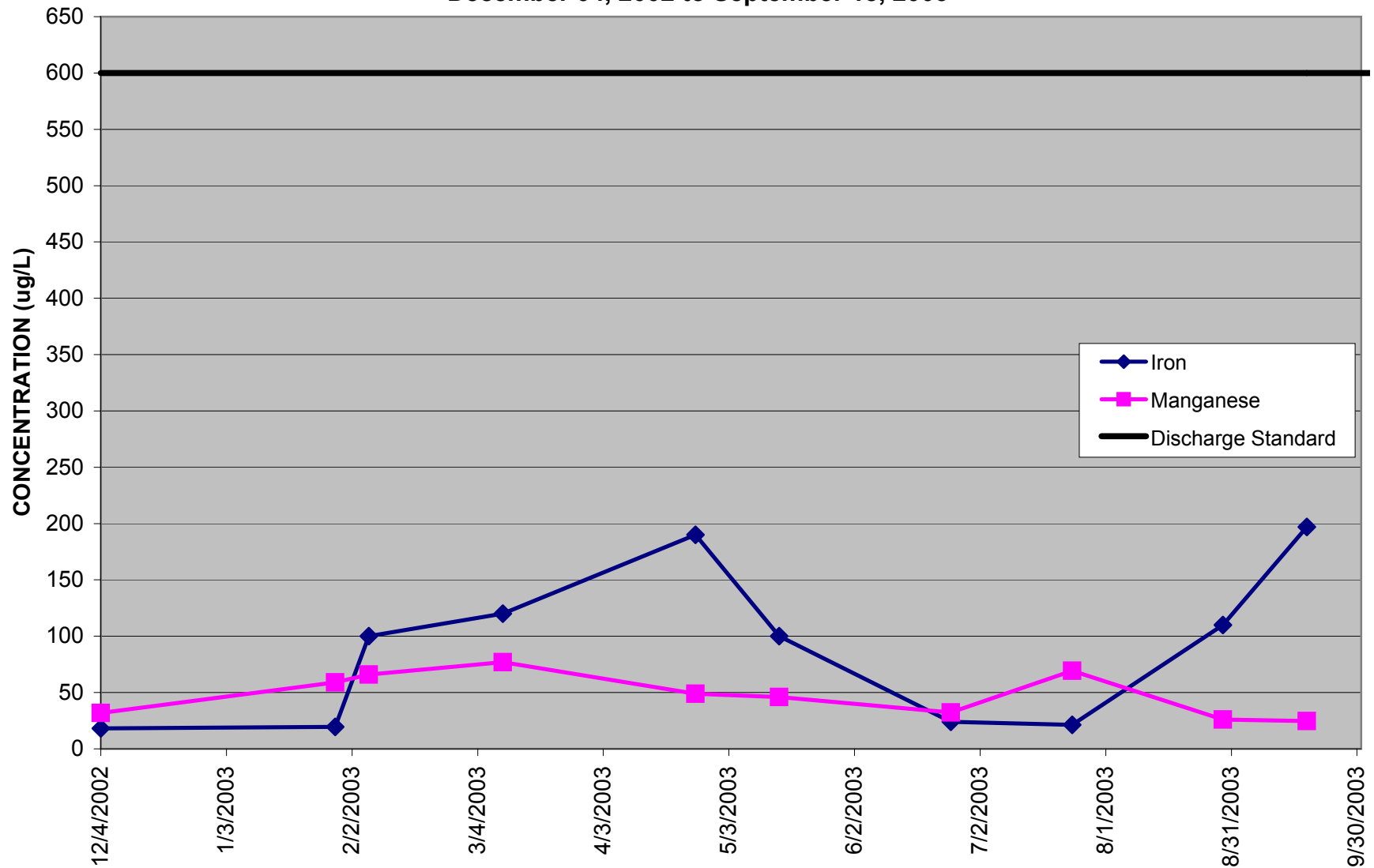


**Figure 5-5: Effluent Concentrations (Iron and Manganese) Vs. Time,
December 04, 2002 to September 18, 2003**



Appendix A

Cumulative Groundwater Monitoring Well Data Tables

Table A-1
Claremont Polychemical Superfund Site
EW-1A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02	5/16/02
cooler temp (°C)							5.0	6.0 J	4.0	0.9	4.8 °C	8 °C J	8 °C J	
VOCs														
VOC dilution factor						100x	1x	2x	2x	2x	2x	4x	4x	1x
dichlorodifluoromethane	µg/L		0.50											0.50 U
chloromethane	µg/L		0.50				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	4.0 U	0.50 U
vinyl chloride	µg/L		0.50				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	1.0 U	0.50 U
bromomethane	µg/L		0.50				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	7.0 U	0.50 U
chloroethane	µg/L		0.50				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	16.0 U	0.50 U
trichlorofluoromethane	µg/L		0.50											0.50 U
1,1-dichloroethene	µg/L	5.0	0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	2.0 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50											0.50 U
acetone	µg/L		5.0		1.0 R		10.0 U	7.0 J	20.0 U	6.0 JB	20.0 U	63.00	4.0 U	5.0 U
carbon disulfide	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
methyl acetate	µg/L		0.50											0.50 U
methylene chloride	µg/L	5.0	0.50				0.3 J	3.0 J	10.0 U	4.0 U	1.0 J	7.00 J	0.8 UB	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	5.0 J	10.0 J		5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
tert-butyl methyl ether	µg/L		0.50											2.00
1,1-dichloroethane	µg/L	5.0	0.50	5.0 J	8.0 J		5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				5.0 U	10.0 U	10.0 U	10.0 U	1.0 J	20.0 U	1.0 U	1.50
2-butanone (MEK)	µg/L		5.0		1.0 R		10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	2.0 U	5.0 U
bromochloromethane	µg/L		0.50											0.50 U
chloroform	µg/L	7.0	0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50		4.0 J		5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.64
cyclohexane	µg/L		0.50											0.50 U
carbon tetrachloride	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
benzene	µg/L	0.7	0.50				0.7 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U	1.0 U	0.50 U
1,2-dichloroethane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
trichloroethene	µg/L	5.0	0.50	7.0	23.0 J		0.2 J	6.0 J	4.0 J	4.0 U	4.0 J	3.00 J	5.0 J	3.30
methylcyclohexane	µg/L		0.50											0.50 U
1,2-dichloropropane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
bromodichloromethane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
4-methyl-2-pentanone (MIBK)	µg/L		5.0				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	2.0 U	5.0 U
toluene	µg/L	5.0	0.50	2.0 J			5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	94.0	260.0 J	690.0	360.0	370.0	380.0	300.0	340.0	390.00	380.0	340.00 D
2-hexanone	µg/L		5.0				10.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U	3.0 U	5.0 U
dibromochloromethane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
1,2-dibromoethane	µg/L		0.50											0.50 U
chlorobenzene	µg/L	5.0	0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
ethylbenzene	µg/L	5.0	0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
xylene	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	2.0 U	0.50 U
styrene	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
bromoform	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	0.8 U	0.50 U
isopropylbenzene	µg/L		0.50											0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50				5.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U	1.0 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50											0.50 U
1,4-dichlorobenzene	µg/L		0.50											0.50 U
1,2-dichlorobenzene	µg/L		0.50											0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50											0.50 U
1,2,4-trichlorobenzene	µg/L		0.50											0.50 U
1,2,3-trichlorobenzene	µg/L		0.50											0.50 U
total 1,2-DCE	µg/L													

Table A-1
Claremont Polychemical Superfund Site
EW-1A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A-QC	EW-1A	EW-1A-QC	EW-1A
sampling date				8/6/02	Oct-02	1/22/03	4/16/03	4/16/03	7/29/03	7/29/03	10/22/03
cooler temp (°C)											
VOCs					ns - dry						
VOC dilution factor				1x		1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroet	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.074 J
acetone	µg/L		5.0	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.50 U
carbon disulfide	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U		0.50 R	0.50 R	0.50 R	0.50 R	0.50 U	0.50 R
methylene chloride	µg/L	5.0	0.50	0.50 U		0.50 U	0.25 J	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	1.80		1.30	1.90	1.80	1.40 J	1.50	1.30
1,1-dichloroethane	µg/L	5.0	0.50	0.26 J		0.22 J	0.34 J	0.32 J	0.27 J	0.50 U	0.34 J
cis-1,2-dichloroethene	µg/L	5.0	0.50	1.60		0.89	1.00	1.00	0.64	0.54	0.63
2-butanone (MEK)	µg/L		5.0	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.11 J		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	0.50		0.31 J	0.63	0.64	0.53	0.48 J	0.56
cyclohexane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U		0.50 U	0.21 J	0.50 U	0.50 U	0.50 U	0.099 J
trichloroethene	µg/L	5.0	0.50	2.00		0.17	2.20	2.20	2.40	2.30	2.50
methylcyclohexane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone (MIBK)	µg/L		5.0	5.0 U		5.0 U	0.50 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.33 J		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	140.00 D		100.00 D	170.00 D	180.00 D	160.00 D	200.00 D	90.00 D
2-hexanone	µg/L		5.0	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
isopropylbenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
1,4-dichlorobenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
1,2-dichlorobenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 R
total 1,2-DCE	µg/L										

Table A-1
Claremont Polychemical Superfund Site
EW-1A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A					
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02	5/16/02					
cooler temp (°C)							5.0	6.0	J	4.0	0.9	4.8 °C	8 °C	J	8 °C	J			
metals			CRDL																
aluminum (Al)	µg/L		200.0	3,520.0	11,800.0	J									7.6	B			
antimony (Sb)	µg/L	3.0	20.0				2.1	U	2.1	U	1.5	U	4.5	U	4.7	U			
arsenic (As)	µg/L	50.0	40.0	5.6	J		1.0	U	4.6	B	2.0	U	2.4	U	4.1	U			
barium (Ba)	µg/L	2,000.0	200.0	115.0		146.0	J	90.0		31.2	B	98.0	B	77.4	B	80.4	B		
beryllium (Be)	µg/L		5.0	2.7		3.2													
cadmium (Cd)	µg/L		5.0			3.3		10	U								0.14	B	
calcium (Ca)	µg/L		5000.0	30,800.0		29,300.0		16,100.0									0.40	U	
chromium (Cr)	µg/L		10.0	35.9	J	34.0		20.0	U								17,600.00		
cobalt (Co)	µg/L		50.0	28.4		50.0	R										0.60	U	
copper (Cu)	µg/L		25.0	25.0	R	57.1											8.9	B	
iron (Fe)	µg/L	600*	200.0	14,000.0	J	49,900.0		186.0		451.0		239.0		50.8	B	48.5	B	20.7	B
lead (Pb)	µg/L	50.0	10.0	19.4		5.0	R	4.0	UJ	1.3	U	1.3	U	2.2	U	2.6	U	2.0	U
magnesium (Mg)	µg/L		5000.0	5,760.0		5,830.0		3,390.0										2.0	U
manganese (Mn)	µg/L	600*	15.0	993.0		1,030.0		432.0		216.0		621.0		578.0		571.0		607.0	
mercury (Hg)	µg/L		0.2			0.28	J	0.2	U									760.0	
nickel (Ni)	µg/L		40.0	69.5	J	56.2	J											706.0	
potassium (K)	µg/L		5000.0	10,200.0		10,500.0	J											706.0	
selenium (Se)	µg/L	40.0	30.0	3.8	J			8.1		4.4	B	3.4	U	3.0	B	4.6	U	4.8	U
silver (Ag)	µg/L		10.0					20.0	U									4.9	U
sodium (Na)	µg/L		5000.0	17,500.0		18,600.0												6.90	U
thallium (Tl)	µg/L		10.0																
vanadium (V)	µg/L		50.0	41.4		119.0													
zinc (Zn)	µg/L		20.0	38.7	J	87.1													
field instrument																			
pH	su	6.5 - 8.5					4.36	4.70		5.06		4.80		6.90		5.53		5.07	
conductivity	µmhos/cm						0.208	0.182		0.270				0.220				0.224	
turbidity	NTU																	0.151	
DO	mg/L																		
temperature	°C						14.60	17.80		15.40		14.80		15.10		15.40		16.70	
Eh (ORP)	mV																	15.50	
other																			
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010	na		na		na		0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
TSS	mg/L	1,000.0		3,060.0		5,830.0		467											

1989 data from Ebasco (1990), empty cells indicate not detected

1992 data from SEC Donohue (1992)

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-1
Claremont Polychemical Superfund Site
EW-1A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A-QC	EW-1A	EW-1A-QC	EW-1A
sampling date				8/6/02	Oct-02	1/22/03	4/16/03	4/16/03	7/29/03	7/29/03	10/22/03
cooler temp (°C)											
metals			CRDL		ns - dry						
aluminum (Al)	µg/L		200.0	22.2 U		104.0 B	40.9 U	40.9 U	8.0 J	15.7 J	200 U
antimony (Sb)	µg/L	3.0	20.0	8.7 U			2.3 U	2.5 U	2.5 U	60.0 UR	60.0 UR
arsenic (As)	µg/L	50.0	40.0	6.0 U			4.8 U	2.2 U	2.2 U	15.0 UR	15.0 UR
barium (Ba)	µg/L	2,000.0	200.0	104.0			65.2 B	80.7 B	77.3 B	71.3 J	72.2 J
beryllium (Be)	µg/L		5.0	0.1 U			0.13 B	0.20 U	0.20 U	0.030 J	5.0 UR
cadmium (Cd)	µg/L		5.0	0.6 U			0.30 U	0.20 U	0.77 B	5.0 UR	5.0 UR
calcium (Ca)	µg/L		5000.0	25,700			19,900.0	20,200.0 J	20,000.0 J	18,800.0 J	19,200.0 J
chromium (Cr)	µg/L		10.0	1.3 U			0.60 U	0.60 U	0.60 U	10.0 UR	10.0 UR
cobalt (Co)	µg/L		50.0	1.4 U			7.9 B	10.0 B	9.6 B	5.3 J	5.3 J
copper (Cu)	µg/L		25.0	2.6 U			5.7 B	6.2 B	7.0 B	0.61 J	25.0 UR
iron (Fe)	µg/L	600*	200.0	22.3 U			53.8 B	19.9 B	51.4 B	16.2 J	23.1 J
lead (Pb)	µg/L	50.0	10.0	8.1 J			2.2 U	2.1 B	1.6 B	10.0 UR	10.0 UR
magnesium (Mg)	µg/L		5000.0	7,420.0			5,490.0	5,870.0	5,710.0	5,480.0 J	5,610.0 J
manganese (Mn)	µg/L	600*	15.0	1,730.0			1,070.0	1,150.0	1,050.0	799.0 J	808.0 J
mercury (Hg)	µg/L		0.2	0.2 U			0.10 U	0.10 U	0.10 U	0.20 UR	0.20 UR
nickel (Ni)	µg/L		40.0	6.2 B			8.4 B	9.5 B	8.9 B	6.6 J	6.8 J
potassium (K)	µg/L		5000.0	8,840 J			8,610.0 J	6,530.0	6,390.0	7,440.0 J	7,030.0 J
selenium (Se)	µg/L	40.0	30.0	3.0 U			4.8 U	2.3 U	2.3 U	35.0 UR	6.6 J
silver (Ag)	µg/L		10.0	2.0 U			0.60 U	0.90 U	0.90 U	10.0 UR	10.0 UR
sodium (Na)	µg/L		5000.0	17,700 J			21,200.0	18,800.0 J	18,600.0 J	16,200.0 J	15,300.0 J
thallium (Tl)	µg/L		10.0	8.8 U			4.7 U	2.9 UJ	2.9 UJ	25.0 UR	25.0 UR
vanadium (V)	µg/L		50.0	1.0 U			0.50 U	0.80 U	1.2 B	50.0 UR	50.0 UR
zinc (Zn)	µg/L		20.0	47.3			15.3 B	16.9 BJ	17.9 BJ	20.6 J	31.1 J
field instrument					ns - dry						
pH	su	6.5 - 8.5		4.83			5.0	5.02		4.97	5.12
conductivity	µmhos/cm			0.404			0.3	0.327		0.271	0.247
turbidity	NTU			3.0			22.1	-2.4 R		126.0	-0.3 R
DO	mg/L			7.72			5.3	6.33		6.62	6.87
temperature	°C			23.36			14.1	18.51		19.2	18.56
Eh (ORP)	mV			283			255	294.0		274.0	290
other											
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010								
TSS	mg/L	1,000.0									

1989 data from Ebasco (1990), empty cells indicate not detected

1992 data from SEC Donohue (1992)

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-2
Claremont Polychemical Superfund Site
EW-1B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02
cooler temp (°C)							5.0	6.0 J	4.0	0.9	4.8 °C	8 °C J	8 °C J
VOCs									dm				
VOC dilution factor						10x	1x	1x		1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	0.9 U
vinyl chloride	µg/L		0.50				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	0.3 U
bromomethane	µg/L		0.50				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	2.0 U
chloroethane	µg/L		0.50				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	4.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50	0.3 J		9.0 J	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.6 U
1,1,2-trichloro-1,2,2-trifluoroet	µg/L		0.50										
acetone	µg/L		5.0		79.0 J		10.0 U	10.0 U		3.0 JB	10.0 U	10 U	0.9 U
carbon disulfide	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50			23.0	0.3 J	0.6 J		2.0 U	0.6 J	0.50 UJ	0.2 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.4 J			5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50			5.0 J	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
2-butanone (MEK)	µg/L		5.0		1.0 R		10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	0.4 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
1,1,1-trichloroethane	µg/L	5.0	0.50	1.0		74.0	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
benzene	µg/L	0.7	0.50			24.0	0.7 U	0.7 U		0.7 U	0.7 U	0.7 U	0.3 U
1,2-dichloroethane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
trichloroethene	µg/L	5.0	0.50	0.3 J		360.0	1.0 J	2.0 J		5.0 U	0.3 J	0.30 J	0.8 U
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
bromodichloromethane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
cis-1,3-dichloropropene	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
4-methyl-2-pentanone (MIBK)	µg/L		5.0				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	0.4 U
toluene	µg/L	5.0	0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
trans-1,3-dichloropropene	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
1,1,2-trichloroethane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
tetrachloroethene	µg/L	5.0	0.50	3.0		59.0	4.0 J	7.0		2.0 U	3.0 J	3.00 J	4.0 J
2-hexanone	µg/L		5.0				10.0 U	10.0 U		10.0 U	10.0 U	10.0 U	0.8 U
dibromochloromethane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				0.5 J	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
ethylbenzene	µg/L	5.0	0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
xylenes (total)	µg/L		0.50			13.0	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.5 U
styrene	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
bromoform	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.2 U
isopropylbenzene	µg/L		0.50				10.0 U	10.0 U		10.0 U			
1,1,2,2-tetrachloroethane	µg/L		0.50				5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	0.3 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L					13.0							

Table A-2
Claremont Polychemical Superfund Site
EW-1B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1B	EW-1B	EW-1B	EW-1B-QC	EW-1B	EW-1B	EW-1B	EW-1B
sampling date				5/16/02	8/6/02	10/21/02	10/21/02	1/22/03	4/16/03	7/29/03	10/22/03
cooler temp (°C)											
VOCs											
VOC dilution factor						1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
chloromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
vinyl chloride	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
bromomethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
chloroethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
trichlorofluoromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,1-dichloroethene	µg/L	5.0	0.50	0.50	U	0.50	U	0.10	J	0.50	U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
acetone	µg/L		5.0	5.0	U	5.0	U	5.0	U	5.0	U
carbon disulfide	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
methyl acetate	µg/L		0.50	0.50	U	0.50	U	0.50	R	0.50	R
methylene chloride	µg/L	5.0	0.50	1.80	U	0.50	U	0.50	U	0.50	U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	R
tert-butyl methyl ether	µg/L		0.50	0.50	U	0.24	J	0.18	J	0.50	U
1,1-dichloroethane	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,2-dichloroethene	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	R
2-butanone (MEK)	µg/L		5.0	5.0	U	5.0	U	5.0	U	5.0	U
bromochloromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
chloroform	µg/L	7.0	0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,1,1-trichloroethane	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	U
cyclohexane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
carbon tetrachloride	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
benzene	µg/L	0.7	0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,2-dichloroethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.090	J
trichloroethene	µg/L	5.0	0.50	0.55	J	0.79	U	0.79	U	0.51	J
methylcyclohexane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,2-dichloropropane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
bromodichloromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-dichloropropene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
4-methyl-2-pentanone (MIBK)	µg/L		5.0	5.0	U	5.0	U	5.0	U	5.0	U
toluene	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	R
trans-1,3-dichloropropene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,1,2-trichloroethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
tetrachloroethene	µg/L	5.0	0.50	1.20	J	2.10	U	2.10	U	1.70	U
2-hexanone	µg/L		5.0	5.0	U	5.0	U	5.0	U	5.0	U
dibromochloromethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,2-dibromoethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
chlorobenzene	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	R
ethylbenzene	µg/L	5.0	0.50	0.50	U	0.50	U	0.50	U	0.50	R
xylene (total)	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
styrene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
bromoform	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
isopropylbenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,3-dichlorobenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,4-dichlorobenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,2-dichlorobenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-trichlorobenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
1,2,3-trichlorobenzene	µg/L		0.50	0.50	U	0.50	U	0.50	U	0.50	R
total 1,2-DCE	µg/L										

Table A-2
Claremont Polychemical Superfund Site
EW-1B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02
cooler temp (°C)							5.0	6.0 J	4.0	0.9	4.8 °C	8 °C J	8 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0		200.0 R								
antimony (Sb)	µg/L	3.0	20.0				2.1 U	2.10 U	1.5 U	4.5 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0			1.0 U	3.1 U	2.00 U	2.4 U	4.1 U	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	108.0	96.3 J	84.0	32.4 B	24.7 B	23.5 B	26.4 B	26.4 B	28.5 B	33.1
beryllium (Be)	µg/L		5.0		0.5								
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	42,600.0	48,300.0	42,400.0							
chromium (Cr)	µg/L		10.0			20.0 U							
cobalt (Co)	µg/L		50.0	18.4	50.0 R								
copper (Cu)	µg/L		25.0	25.0 R	25.0 R								
iron (Fe)	µg/L	600*	200.0	388.0 J	442.0 J	167.0	7.2 U	50.70 B	53.0 B	38.2 B	19.9 U	16.2 U	85.3 U
lead (Pb)	µg/L	50.0	10.0	2.6 J		4.0 U	1.3 U	1.30 U	2.2 U	2.6 U	2.0 U	2.0 U	3.4 U
magnesium (Mg)	µg/L		5000.0	8,430.0	9,930.0	7,920.0							
manganese (Mn)	µg/L	600*	15.0	566.0	947.0	869.0	387	540.0	473.0	273.0	233.0	246.0	230.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	24.7	28.0								
potassium (K)	µg/L		5000.0	14,700.0 J	17,100.0								
selenium (Se)	µg/L	40.0	30.0			1.0 U	1.5 U	3.40 U	2.6 U	4.6 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0	10.0 R		20.0 U							
sodium (Na)	µg/L		5000.0	43,800.0	41,600.0								
thallium (Tl)	µg/L		10.0		2.6								
vanadium (V)	µg/L		50.0		3.9								
zinc (Zn)	µg/L		20.0	52.3 J	62.6								
field instrument													
pH	su	6.5 - 8.5				4.98	6.01	6.89	5.67	7.80	6.77	6.26	6.55
conductivity	µmhos/cm					0.585	0.815	0.130		0.570		0.797	0.586
turbidity	NTU												
DO	mg/L						11.18	1.00		1.2		0.00	0.00
temperature	°C					15.1	17.7	16.10	14.8	15.7	15.90	16.60	15.90
Eh (ORP)	mV												
other													
Cr+6 (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.003 U
TSS	mg/L	1,000.0		11.0	9.0	412							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-2
Claremont Polychemical Superfund Site
EW-1B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1B		EW-1B		EW-1B		EW-1B-QC		EW-1B		EW-1B		EW-1B	
sampling date				5/16/02		8/6/02		10/21/02		10/21/02		1/22/03		4/16/03		7/29/03	
cooler temp (°C)																	
metals			CRDL														
aluminum (Al)	µg/L		200.0	7.3	U	55.7	B	68.8	B	56.7	U	68.0	B	40.9	U	200	UR
antimony (Sb)	µg/L	3.0	20.0	4.7	U	8.7	U	2.8	B	1.2	U	2.3	U	2.5	U	60.0	UR
arsenic (As)	µg/L	50.0	40.0	2.8	U	6.0	U	3.0	U	3.0	U	4.8	U	2.2	U	15.0	UR
barium (Ba)	µg/L	2,000.0	200.0	31.4	B	46.8	B	49.7	B	42.8	B	39.1	B	60	B	54.9	J
beryllium (Be)	µg/L		5.0	0.10	U	0.1	U	0.20	U	0.20	U	0.10	U	0.20	U	5.0	UR
cadmium (Cd)	µg/L		5.0	0.40	U	0.6	U	0.30	U	0.30	U	0.30	U	0.20	U	5.0	UR
calcium (Ca)	µg/L		5000.0	48,400.00		59,500.0		59,000		56,200		48,500.0		69,200.0	J	69,200.0	J
chromium (Cr)	µg/L		10.0	0.60	U	1.3	U	0.80	U	0.80	U	0.60	U	0.60	U	10.0	UR
cobalt (Co)	µg/L		50.0	3.4	B	1.7	B	3.0	B	1.7	B	1.1	B	1.6	B	0.48	J
copper (Cu)	µg/L		25.0	2.8	B	3.2	B	2.3	B	1.8	B	1.3	B	38.7		25.0	UR
iron (Fe)	µg/L	600*	200.0	17.3	U	22.3	U	18.6	B	12.5	U	262.0		14.2	U	10.0	J
lead (Pb)	µg/L	50.0	10.0	2.1	U	3.1	J	1.2	U	1.2	U	2.2	U	61.4		10.0	UR
magnesium (Mg)	µg/L		5000.0	7,280.00		8,340.0		8,180		7,780		6,680.0		9,480.0		9,840.0	J
manganese (Mn)	µg/L	600*	15.0	292		301.0		285		272		286.0		394.0		425.0	J
mercury (Hg)	µg/L		0.2	0.20	U	0.2	U	0.10	UJ	0.10	UJ	0.10	U	0.10	U	0.20	UR
nickel (Ni)	µg/L		40.0	9.4	B	1.8	U	10.6	B	8.8	B	5.8	B	7.1	B	5.0	J
potassium (K)	µg/L		5000.0	11,900.00	J	15,900.0	J	14,100	J	13,500	J	12,100.0	J	14,700.0		16,300.0	J
selenium (Se)	µg/L	40.0	30.0	3.0	U	3.0	U	3.1	B	3.0	U	4.8	U	2.3	U	35.0	UR
silver (Ag)	µg/L		10.0	1.0	UJ	2.0	U	0.80	U	0.80	U	0.60	U	0.90	U	10.0	UR
sodium (Na)	µg/L		5000.0	70,900.00	J	93,200.0	J	95,700		91,200		936.0		110,000.0	J	132,000.0	J
thallium (Tl)	µg/L		10.0	5.4	U	8.8	U	2.4	U	2.4	U	4.7	U	2.9	UJ	25.0	UR
vanadium (V)	µg/L		50.0	0.80	U	1.0	U	1.2	B	0.70	U	0.50	U	0.80	U	50.0	UR
zinc (Zn)	µg/L		20.0	23.4		2.6	U	1.1	U	1.1	U	5.2	B	49.2	J	5.4	J
field instrument																	
pH	su	6.5 - 8.5		6.27		6.32		6.59		6.59		6.51		6.63		6.54	
conductivity	µmhos/cm			0.987		0.999		0.999		0.999		0.821		1.190		1.160	
turbidity	NTU			61.2		2.1		4.7		4.7		6.6		-5.1	R	6.5	
DO	mg/L			0.84		1.18		0.47		0.47		0.00		0.00		0.00	
temperature	°C			19.55		19.88		19.43		19.43		16.73		19.35		19.37	
Eh (ORP)	mV			261		153		105		105		125		126		138	
other																	
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010														
TSS	mg/L	1,000.0															

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-3
Claremont Polychemical Superfund Site
EW-1C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02
cooler temp (°C)							5.0	6.0 J	4.0	0.9	4.8 °C	8 °C J	8 °C J
VOCs				nd									
VOC dilution factor						1x	2x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.9 U
vinyl chloride	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.3 U
bromomethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.0 U
chloroethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	4.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.6 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0		540.0 J		0.2 J	10.0 U	10.0 U	2.0 JB	10.0 U	10.0 U	0.9 U
carbon disulfide	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50				2.0 J	0.7 J	5.0 U	0.9 U	2.0 J	1.0 UJ	0.2 UB
trans-1,2-dichloroethene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				0.8 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
2-butanone (MEK)	µg/L		5.0		1.0 R		20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				0.5 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,1,1-trichloroethane	µg/L	5.0	0.50			0.8 J	1.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
benzene	µg/L	0.7	0.50			0.2 J	1.0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.3 U
1,2-dichloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trichloroethene	µg/L	5.0	0.50			3.0	6.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.8 U
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
bromodichloromethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
cis-1,3-dichloropropene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
4-methyl-2-pentanone (MIBK)	µg/L		5.0				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
toluene	µg/L	5.0	0.50			0.6 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trans-1,3-dichloropropene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,1,2-trichloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
tetrachloroethene	µg/L	5.0	0.50			5.0	0.6 J	0.5 U	5.0 U	5.0 U	5.0 U	0.80 J	1.0 J
2-hexanone	µg/L		5.0				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.8 U
dibromochloromethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
ethylbenzene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
xylenes (total)	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U
styrene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
bromoform	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L												

Table A-3
Claremont Polychemical Superfund Site
EW-1C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C
sampling date				5/16/02	8/6/02	10/21/02	1/22/03	4/16/03	7/30/03	10/22/03
cooler temp (°C)										
VOCs										
VOC dilution factor						1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	0.57 UJ	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
2-butanone (MEK)	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50	0.50 UJ	0.50 U	0.50 U	0.28 J	0.27 J	0.50 U	0.50 U
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
4-methyl-2-pentanone (MIBK)	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
tetrachloroethene	µg/L	5.0	0.50	0.50 UJ	0.43 J	6.00	0.54	0.71	0.44 J	0.50 U
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylenes (total)	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.28 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
isopropylbenzene	µg/L		0.50	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.14 J	0.15 J	0.20 J	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L									

Table A-3
Claremont Polychemical Superfund Site
EW-1C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/12/00	2/12/01	5/24/01	08/21/01	11/05/01	2/14/02
cooler temp (°C)							5.0	6.0 J	4.0	0.9	4.8 °C	8 °C J	8 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0		342.0 J								
antimony (Sb)	µg/L	3.0	20.0	64.4 J			2.1 U	2.1 U	1.5 U	4.5 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0			1.0 U	3.1 U	2.0 U	2.4 U	4.1 U	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	109.0	102.0 J	121.0	82.6 B	34.4 B	41.7 B	40.8 B	48.5 B	80.4 B	60.3
beryllium (Be)	µg/L		5.0		1.0								
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	41,100.0 J	41,800.0	55,900.0							
chromium (Cr)	µg/L		10.0	9.9	10.2	20.0 U							
cobalt (Co)	µg/L		50.0	43.6	44.0								
copper (Cu)	µg/L		25.0	25.0 R	25.0 R								
iron (Fe)	µg/L	600*	200.0	578.0 J	984.0 J	388.0	318.0	556.0	434.0	224.0	117.0	36.8 B	85.3 U
lead (Pb)	µg/L	50.0	10.0	11.3	21.1 J	4.0 U	1.3 B	1.3 U	2.2 U	2.6 U	2.0 U	2.0 U	3.4 U
magnesium (Mg)	µg/L		5000.0	8,370.0	8,180.0	11,300.0							
manganese (Mn)	µg/L	600*	15.0	630.0	691.0	476.0	518.0	280.0	260.0	265.0	351.0	871.0	592.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	39.1	33.5								
potassium (K)	µg/L		5000.0	15,800.0	16,200.0								
selenium (Se)	µg/L	40.0	30.0			1.0 U	1.6 B	3.4 U	2.6 U	4.6 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0	10.0 R		20.0 U							
sodium (Na)	µg/L		5000.0	48,400.0 J	48,000.0								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0	75.1	329.0								
field instrument													
pH	su	6.5 - 8.5				5.18	5.82	6.43	5.43	5.23	6.33	5.54	6.08
conductivity	µmhos/cm					0.562	0.671	0.80		0.45	0.785	0.696	0.569
turbidity	NTU												
DO	mg/L						11.3	0.90		1.10	11.80	0.00	0.00
temperature	°C					16.0	17.6	16.10	15.6	15.80	18.50	16.60	15.80
Eh (ORP)	mV												
other													
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.003 U
TSS	mg/L	1,000.0			18.0	547							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-3
Claremont Polychemical Superfund Site
EW-1C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C
sampling date				5/16/02	8/6/02	10/21/02	1/22/03	4/16/03	7/30/03	10/22/03
cooler temp (°C)										
metals			CRDL							
aluminum (Al)	µg/L		200.0	7.6 B	55.7 B	<i>56.7 U</i>	74.6 B	<i>40.9 U</i>	14.4 J	24.5 J
antimony (Sb)	µg/L	3.0	20.0	4.7 U	8.7 U	<i>1.2 U</i>	<i>2.3 U</i>	<i>2.5 U</i>	9.2 J	6.7 J
arsenic (As)	µg/L	50.0	40.0	2.8 U	6.0 U	<i>3.0 U</i>	<i>4.8 U</i>	<i>2.2 U</i>	<i>15.0 UR</i>	<i>15.0 U</i>
barium (Ba)	µg/L	2,000.0	200.0	77.1 B	90.6 B	91.5 B	84.5 B	83.1 B	101.0 J	109 J
beryllium (Be)	µg/L		5.0	0.18 B	0.1 U	0.25 B	0.21 B	<i>0.20 U</i>	0.18 J	0.26 J
cadmium (Cd)	µg/L		5.0	0.40 U	0.6 U	<i>0.30 U</i>	<i>0.30 U</i>	<i>0.20 U</i>	<i>5.0 UR</i>	0.33 J
calcium (Ca)	µg/L		5000.0	38,000.0	39,600.0	46,400	44,900.0	44,700.0 J	37,400.0 J	37,900.0
chromium (Cr)	µg/L		10.0	0.60 U	1.3 U	<i>0.80 U</i>	<i>0.60 U</i>	<i>0.60 U</i>	<i>10.0 UR</i>	0.61 J
cobalt (Co)	µg/L		50.0	54.8	53.3	47.8 B	44.2 B	42.7 B	60.9 J	63.0
copper (Cu)	µg/L		25.0	4.1 B	3.3 B	18.4 B	3.8 B	4.0 B	<i>25.0 UR</i>	5.2 J
iron (Fe)	µg/L	600*	200.0	38.9 B	48.0 B	257	30.7 B	174.0	18.0 J	<i>100 U</i>
lead (Pb)	µg/L	50.0	10.0	2.7 B	2.9 U	2.4 B	<i>2.2 U</i>	2.3 B	<i>10.0 UR</i>	<i>10.0 U</i>
magnesium (Mg)	µg/L		5000.0	8,930.0	8,840.0	9,190	8,850.0	8,690.0	9,510.0 J	9,330.0
manganese (Mn)	µg/L	600*	15.0	851	801.0	729	717.0	737.0	976.0 J	1,000.0
mercury (Hg)	µg/L		0.2	0.20 U	0.2 U	<i>0.10 UJ</i>	<i>0.10 U</i>	<i>0.10 U</i>	<i>0.20 UR</i>	<i>0.20 U</i>
nickel (Ni)	µg/L		40.0	5.2 B	1.8 U	12.5 B	6.4 B	9.0 B	11.8 J	11.6 J
potassium (K)	µg/L		5000.0	15,900.0 J	18,300.0 J	19,200 J	19,900.0 J	18,600.0	20,300.0 J	19,500.0
selenium (Se)	µg/L	40.0	30.0	3.0 U	3.0 U	<i>3.0 U</i>	<i>4.8 U</i>	3.3 B	<i>35.0 UR</i>	<i>35.0 U</i>
silver (Ag)	µg/L		10.0	1.0 UJ	2.0 U	<i>0.80 U</i>	<i>0.60 U</i>	<i>0.90 U</i>	<i>10.0 UR</i>	0.76 J
sodium (Na)	µg/L		5000.0	41,500.0 J	45,200.0 J	63,100	78,600.0	76,500.0 J	63,200.0 J	74,400.0
thallium (Tl)	µg/L		10.0	5.4 U	8.8 U	<i>2.4 U</i>	<i>4.7 U</i>	<i>2.9 UJ</i>	<i>25.0 UR</i>	<i>25.0 U</i>
vanadium (V)	µg/L		50.0	0.80 U	1.0 U	<i>0.70 U</i>	<i>0.50 U</i>	1.1 B	<i>50.0 UR</i>	<i>50.0 U</i>
zinc (Zn)	µg/L		20.0	35.0	4.4 B	20.8	20.4	17.3 BJ	36.4 J	35.8 J
field instrument										
pH	su	6.5 - 8.5		5.50	5.44	5.77	5.45	5.60	5.32	5.34
conductivity	µmhos/cm			0.812	0.780	0.876	0.821	0.935	0.723	0.877
turbidity	NTU			3.0	2.2	5.8	8.9	-3.1 R	7.6	-0.9 R
DO	mg/L			4.01	0.36	0.72	0.00	0.00	0.00	0.00
temperature	°C			19.53	19.94	19.31	16.26	19.73	19.88	19.1
Eh (ORP)	mV			251	157	125	154	139	223	186
other										
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010							
TSS	mg/L	1,000.0								

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-4
Claremont Polychemical Superfund Site
EW-2A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A
sampling date				Apr-89	Jun-89	Jul-92	6/8/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01	2/12/02	5/17/02
cooler temp (°C)							6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J	6 °C J	
VOCs														
VOC dilution factor						100x	(2X)	2x	1x	1x	1x	1x	1x	
dichlorodifluoromethane	µg/L		0.50											0.50 U
chloromethane	µg/L		0.50				20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.9 U	0.50 U
vinyl chloride	µg/L		0.50				20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.3 U	0.50 U
bromomethane	µg/L		0.50				20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.0 U	0.50 U
chloroethane	µg/L		0.50				20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	4.0 U	0.50 U
trichlorofluoromethane	µg/L		0.50											0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	4.0 J	1.0 J		10.0 U	10.0 U	5.0 U	5.0 U	0.4 J	0.20 J	0.6 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50											0.50 U
acetone	µg/L		5.0		36.0 J		20.0 U	6.0 J	10.0 U	2.0 JB	10.0 U	10 U	0.9 U	5.0 U
carbon disulfide	µg/L		0.50	0.2 J			10.0 U	10.0 U	2.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
methyl acetate	µg/L		0.50											0.50 U
methylene chloride	µg/L	5.0	0.50				2.0 U	3.0 U	5.0 U	5.0 U	0.6 J	5.0 U	4.0 J	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	830.0	110.0		3.0 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
tert-butyl methyl ether	µg/L		0.50											0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	2.0 J			10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
cis-1,2-dichloroethane	µg/L	5.0	0.50				3.0 J	10.0 U	0.9 J	0.6 J	6.0	0.80 J	0.6 J	0.83
2-butanone (MEK)	µg/L		5.0		1.0 R		20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U	5.0 U
bromochloromethane	µg/L		0.50											0.50 U
chloroform	µg/L	7.0	0.50		1.0 J		1.0 J	2.0 J	0.6 J	5.0 U	2.0 J	2.00 J	0.8 J	0.31 J
1,1,1-trichloroethane	µg/L	5.0	0.50	28.0 J	16.0 J	45.0 J	2.0 J	3.0 J	5.0 U	0.6 J	2.0 J	2.00 J	1.0 J	0.57
cyclohexane	µg/L		0.50											0.50 U
carbon tetrachloride	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
benzene	µg/L	0.7	0.50			19.0 J	1.0 U	1.0 U	0.7 U	0.7 U	0.7 U	7 U	0.3 U	0.50 UJ
1,2-dichloroethane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
trichloroethene	µg/L	5.0	0.50	62.0	8.0 J	400.0	4.0 U	3.0 U	5.0 U	0.8 U	3.0 J	2.00 J	0.9 J	0.98
methylcyclohexane	µg/L		0.50											0.50 U
1,2-dichloropropane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
bromodichloromethane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	6.0 J			20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U	5.0 U
toluene	µg/L	5.0	0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	220.0	170.0	2,200.0	320.0	290.0	120.0	55.0	120.0	170.00	120.0	73.00 D
2-hexanone	µg/L		5.0				20.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.8 U	5.0 U
dibromochloromethane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
1,2-dibromoethane	µg/L		0.50											0.50 U
chlorobenzene	µg/L	5.0	0.50			37.0 J	10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
ethylbenzene	µg/L	5.0	0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
xylene	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U	0.50 U
styrene	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
bromoform	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U	0.50 U
isopropylbenzene	µg/L		0.50											0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50				10.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50											0.50 U
1,4-dichlorobenzene	µg/L		0.50											0.50 U
1,2-dichlorobenzene	µg/L		0.50											0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50											0.50 U
1,2,4-trichlorobenzene	µg/L		0.50											0.50 U
1,2,3-trichlorobenzene	µg/L		0.50											0.50 U
total 1,2-DCE	µg/L					1,800.0								

Table A-4
Claremont Polychemical Superfund Site
EW-2A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A
sampling date				Aug. 02	Oct-02	Jan. 03	Apr. 03	Jul-03	10/23/03
cooler temp (°C)									
VOCs				ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	
VOC dilution factor									1x
dichlorodifluoromethane	µg/L		0.50						0.50 UJ
chloromethane	µg/L		0.50						0.50 U
vinyl chloride	µg/L		0.50						0.50 U
bromomethane	µg/L		0.50						0.50 U
chloroethane	µg/L		0.50						0.50 U
trichlorofluoromethane	µg/L		0.50						0.50 U
1,1-dichloroethene	µg/L	5.0	0.50						0.50 U
1,1,2-trichloro-1,2,2-trifluoroeth	µg/L		0.50						0.50 UJ
acetone	µg/L		5.0						5.0 U
carbon disulfide	µg/L		0.50						0.50 U
methyl acetate	µg/L		0.50						0.50 R
methylene chloride	µg/L	5.0	0.50						0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50						0.50 U
tert-butyl methyl ether	µg/L		0.50						0.50 U
1,1-dichloroethane	µg/L	5.0	0.50						0.52
cis-1,2-dichloroethene	µg/L	5.0	0.50						41.00 D
2-butanone (MEK)	µg/L		5.0						5.0 U
bromochloromethane	µg/L		0.50						0.50 U
chloroform	µg/L	7.0	0.50						0.84 J
1,1,1-trichloroethane	µg/L	5.0	0.50						0.54
cyclohexane	µg/L		0.50						0.50 U
carbon tetrachloride	µg/L		0.50						0.50 U
benzene	µg/L	0.7	0.50						0.50 U
1,2-dichloroethane	µg/L		0.50						0.50 U
trichloroethene	µg/L	5.0	0.50						23.00
methylcyclohexane	µg/L		0.50						0.50 U
1,2-dichloropropane	µg/L		0.50						0.50 U
bromodichloromethane	µg/L		0.50						0.50 U
cis-1,3-dichloropropene	µg/L		0.50						0.50 U
4-methyl-2-pentanone	µg/L		5.0						5.0 U
toluene	µg/L	5.0	0.50						0.50 U
trans-1,3-dichloropropene	µg/L		0.50						0.50 U
1,1,2-trichloroethane	µg/L		0.50						0.50 U
tetrachloroethene	µg/L	5.0	0.50						1.70
2-hexanone	µg/L		5.0						5.0 U
dibromochloromethane	µg/L		0.50						0.50 UJ
1,2-dibromoethane	µg/L		0.50						0.50 U
chlorobenzene	µg/L	5.0	0.50						0.50 U
ethylbenzene	µg/L	5.0	0.50						0.50 U
xylene	µg/L		0.50						0.50 U
styrene	µg/L		0.50						0.50 U
bromoform	µg/L		0.50						0.50 U
isopropylbenzene	µg/L		0.50						0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50						0.50 U
1,3-dichlorobenzene	µg/L		0.50						0.50 U
1,4-dichlorobenzene	µg/L		0.50						0.50 U
1,2-dichlorobenzene	µg/L		0.50						0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50						0.50 U
1,2,4-trichlorobenzene	µg/L		0.50						0.50 U
1,2,3-trichlorobenzene	µg/L		0.50						0.50 U
total 1,2-DCE	µg/L								

Table A-4
Claremont Polychemical Superfund Site
EW-2A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A
sampling date				Apr-89	Jun-89	Jul-92	6/8/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01	2/12/02	5/17/02
cooler temp (°C)							6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J	6 °C J	
metals			CRDL											
aluminum (Al)	µg/L		200.0	3,690.0	50,800.0 J									307.0
antimony (Sb)	µg/L	3.0	20.0	52.9 J	28.5		9.0 U	2.1 U	1.5 U	4.4 U	4.7 U	4.6 U	5.9 U	4.7 U
arsenic (As)	µg/L	50.0	40.0	29.7 J	6.2	20.0	4.0 U	2.0 U	2.4 U	5.7 B	6.1 B	5.4 B	7.0 U	9.0 B
barium (Ba)	µg/L	2,000.0	200.0	83.7	310.0 J	57.0	45.4 B	41.1 B	39.6 B	11.8 B	16.2 B	14.3 B	25.2	13.9 B
beryllium (Be)	µg/L		5.0		10.1 J									0.10 U
cadmium (Cd)	µg/L		5.0		9.5 J	10.0 U								0.40 U
calcium (Ca)	µg/L		5000.0	15,400.0 J	15,900.0	8,680.0								6,220.0
chromium (Cr)	µg/L		10.0	13.4 J	159.0	20.0 U								1.1 B
cobalt (Co)	µg/L		50.0	22.7	35.8									4.0 B
copper (Cu)	µg/L		25.0	25.0 R	214.0									7.8 B
iron (Fe)	µg/L	600*	200.0	30,000.0 J	34,600.0	27,800.0	1,140.0	329.0	994.0	6,440.0	14,000.0	4,720.0	2,880.0	1,830.0
lead (Pb)	µg/L	50.0	10.0	16.5	110.0	20.0 J	2.0 U	1.3 U	2.2 U	6.3	4.4	2.0 U	6.0 B	5.2
magnesium (Mg)	µg/L		5000.0	9,440.0	6,990.0	3,640.0								3,100.0 B
manganese (Mn)	µg/L	600*	15.0	1,010.0	1,370.0	642.0	185.0	195.0	162.0	547.0	686.0	174.0	143.0	174.0
mercury (Hg)	µg/L		0.2		0.3	0.02 U								0.20 U
nickel (Ni)	µg/L		40.0	34.2	92.7									1.8 U
potassium (K)	µg/L		5000.0	5,000.0 R	4,080.0									1,690.0 B
selenium (Se)	µg/L	40.0	30.0			8.2	5.0 U	3.4 U	2.8 B	4.9 U	4.8 U	4.9 U	6.90 U	3.0 U
silver (Ag)	µg/L		10.0	10.0 R		20.0 U								1.0 UJ
sodium (Na)	µg/L		5000.0	7,600.0	25,600.0									1,620.0 B
thallium (Tl)	µg/L		10.0		1.1									5.4 U
vanadium (V)	µg/L		50.0	26.7	485.0									1.0 B
zinc (Zn)	µg/L		20.0	38.3 J	300.0 J									368.0
field instrument							nm		no data	no data				
pH	su	6.5 - 8.5				5.98		4.89			7.07	5.7	5.42	5.63
conductivity	µmhos/cm					0.115		0.090			0.118	0.108	0.073	0.112
turbidity	NTU													35.5
DO	mg/L							7.90			11.39	5.45	5.05	2.50
temperature	°C					15.1		14.0			15.00	15.6	13.90	12.85
Eh (ORP)	mV													153
other														
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.003 U	
TSS	mg/L	1,000.0		1,810.0	5,950.0	96.0								

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

LW: not enough water to purge and stabilize parameters

Table A-4
Claremont Polychemical Superfund Site
EW-2A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A
sampling date				Aug. 02	Oct-02	Jan. 03	Apr. 03	Jul-03	10/23/03
cooler temp (°C)									
metals			CRDL	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	
aluminum (Al)	µg/L		200.0						706.0
antimony (Sb)	µg/L	3.0	20.0						60.0 U
arsenic (As)	µg/L	50.0	40.0						15.0 U
barium (Ba)	µg/L	2,000.0	200.0						8.3 J
beryllium (Be)	µg/L		5.0						5.0 U
cadmium (Cd)	µg/L		5.0						0.44 J
calcium (Ca)	µg/L		5000.0						3,630.0 J
chromium (Cr)	µg/L		10.0						2.0 J
cobalt (Co)	µg/L		50.0						1.4 J
copper (Cu)	µg/L		25.0						6.1 J
iron (Fe)	µg/L	600*	200.0						20,000.0
lead (Pb)	µg/L	50.0	10.0						10.0 U
magnesium (Mg)	µg/L		5000.0						3,420.0 J
manganese (Mn)	µg/L	600*	15.0						206.0
mercury (Hg)	µg/L		0.2						0.13 J
nickel (Ni)	µg/L		40.0						0.89 J
potassium (K)	µg/L		5000.0						1,360.0 J
selenium (Se)	µg/L	40.0	30.0						35.0 U
silver (Ag)	µg/L		10.0						0.57 J
sodium (Na)	µg/L		5000.0						6,090.0
thallium (Tl)	µg/L		10.0						25.0 U
vanadium (V)	µg/L		50.0						3.6 J
zinc (Zn)	µg/L		20.0						34.8 J
field instrument				ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - LW
pH	su	6.5 - 8.5							
conductivity	µmhos/cm								
turbidity	NTU								
DO	mg/L								
temperature	°C								
Eh (ORP)	mV								
other									
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010						
TSS	mg/L	1,000.0							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04 1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

LW: not enough water to purge and stabilize parameters

Table A-5
Claremont Polychemical Superfund Site
EW-2B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B
sampling date				Apr-89	Jun-89	Jul-92	6/8/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01	2/12/02
cooler temp (°C)							6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J	6 °C J
VOCs													
VOC dilution factor						10x	1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.9 U
vinyl chloride	µg/L		0.50				10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.3 U
bromomethane	µg/L		0.50	10.0 R			10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.0 U
chloroethane	µg/L		0.50				10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	4.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50				5.0 U	0.9 J	14.0	16.0	7.0	2.00 J	0.6 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0		27.0 J		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10 U	0.9 U
carbon disulfide	µg/L		0.50				5.0 U	0.5 J	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50				0.5 U	2.0 U	1.0 J	5.0 U	1.0 J	1.00 J	4.0 J
trans-1,2-dichloroethene	µg/L	5.0	0.50	210.0	170.0		16.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50				5.0 U	5.0 U	2.0 J	2.0 J	5.0 U	5.0 U	0.3 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				16.0	14.0	8.0	8.0	7.0	3.00 J	3.0 J
2-butanone (MEK)	µg/L		5.0		5.0 R		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				5.0 U	5.0 U	5.0 U	0.6 J	0.6 J	0.20 J	0.2 U
1,1,1-trichloroethane	µg/L	5.0	0.50			9.0 J	2.0 J	3.0 J	34.0	32.0	17.0	5.00	2.0 J
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
benzene	µg/L	0.7	0.50				0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.3 U
1,2-dichloroethane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trichloroethene	µg/L	5.0	0.50			23.0	34.0	37.0	29.0	13.0	10.0	5.00	4.0 J
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
bromodichloromethane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
cis-1,3-dichloropropene	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
4-methyl-2-pentanone	µg/L		5.0				10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
toluene	µg/L	5.0	0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trans-1,3-dichloropropene	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,1,1-trichloroethane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
tetrachloroethene	µg/L	5.0	0.50	4.0 J	6.0	210.0	110.0	47.0	26.0	20.0	26.0	19.00	17.0
2-hexanone	µg/L		5.0				10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.8 U
dibromochloromethane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
ethylbenzene	µg/L	5.0	0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
xylene	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U
styrene	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
bromoform	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L					96.0							

Table A-5
Claremont Polychemical Superfund Site
EW-2B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B
sampling date				5/15/02	8/7/02	10/23/02	1/21/03	4/15/03	7/30/03	10/21/03
cooler temp (°C)										
VOCs										
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	1.20	0.47 J	0.50 U	1.60	0.50 U	0.99	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.20 J
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 U	0.50 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	2.80	1.20	1.30	2.10	1.80	3.00	0.79 J
2-butanone (MEK)	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.50 U	0.17 J	0.16 J	0.17 J	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	2.20	0.92	0.94	3.30	2.20	2.80	0.51
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.24 J	0.50 U	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50	6.40 J	3.20	3.50	3.40	2.30	5.10	1.60
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	22.00 J	5.60	6.00	4.80	4.10	3.50	2.10
2-hexanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L									

Table A-5
Claremont Polychemical Superfund Site
EW-2B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B
sampling date				Apr-89	Jun-89	Jul-92	6/8/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01	2/12/02
cooler temp (°C)							6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J	6 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0		206.0 J								
antimony (Sb)	µg/L	3.0	20.0		22.9		9.0 U	2.4 B	1.5 U	4.4 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0			1.9	4.0 U	2.0 U	2.4 U	4.2 U	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	46.0	44.6 J	65.0	47.3 B	48.1 B	40.3 B	46.7 B	55.4 B	75.2 B	69.4
beryllium (Be)	µg/L		5.0										
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	20.9 J	23,300.0	23,400.0							
chromium (Cr)	µg/L		10.0			20.0 U							
cobalt (Co)	µg/L		50.0	13.4	14.9								
copper (Cu)	µg/L		25.0										
iron (Fe)	µg/L	600*	200.0	2,360.0	4,070.0	1,350.0	4,440.0	376.0	133.0	59.3 B	88.6 B	235.0	87.3 B
lead (Pb)	µg/L	50.0	10.0	5.0 R	3.0 J	13.0 J	2.0 U	1.3 U	2.2 U	2.0 U	2.0 U	2.0 U	5.0 B
magnesium (Mg)	µg/L		5000.0	4,930.0	57,800.0	7,010.0							
manganese (Mn)	µg/L	600*	15.0	571.0	747.0	829.0	640.0	626.0	697.0	374.0	378.0	511.0	492.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	40.0 R	32.8								
potassium (K)	µg/L		5000.0		8,280.0 J								
selenium (Se)	µg/L	40.0	30.0	3.9 J		8.5	5.0 U	3.4 U	2.6 U	4.9 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0			20.0 U							
sodium (Na)	µg/L		5000.0	77,700.0 J	78,800.0								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0	97.8	50.3 J								
field instrument							nm		no data	no data			
pH	su	6.5 - 8.5				5.55		5.03			6.44	4.99	5.04
conductivity	µmhos/cm					0.327		0.280			0.236	0.343	0.279
turbidity	NTU												
DO	mg/L							1.70			10.77	4.96	3.95
temperature	°C					16.0		14.70			15.10	15.10	15.50
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.003 U
TSS	mg/L	1,000.0		12.0	12.0	200							

1989 data from Ebasco (1990). empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-5
Claremont Polychemical Superfund Site
EW-2B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B
sampling date				5/15/02	8/7/02	10/23/02	1/21/03	4/15/03	7/30/03	10/21/03
cooler temp (°C)										
metals			CRDL							
aluminum (Al)	µg/L		200.0	7.3 U	22.2 U	56.7 U	44.3 B	40.9 U	106.0 J	35.0 J
antimony (Sb)	µg/L	3.0	20.0	4.7 U	8.7 U	1.2 U	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	60.7 B	65.7 B	69.3 B	66.4 B	23.1 B	68.7 J	76.5 J
beryllium (Be)	µg/L		5.0	0.16 B	0.1 U	0.34 B	0.30 B	0.20 U	5.0 UR	0.16 J
cadmium (Cd)	µg/L		5.0	0.40 U	0.6 U	0.56 B	0.30 U	0.20 U	0.82 J	0.55 J
calcium (Ca)	µg/L		5000.0	14,500.00	13,600	14,500	14,200.0	4,580.0 B	18,900.0 J	16,900.0
chromium (Cr)	µg/L		10.0	0.60 U	1.3 U	1.6 B	0.60 U	0.60 U	1.1 J	10.0 U
cobalt (Co)	µg/L		50.0	19.4 B	13.5 B	13.8 B	12.4 B	2.7 B	3.1 J	10.7 J
copper (Cu)	µg/L		25.0	2.6 B	5.1 B	8.5 B	21.0 B	10.5 B	1430.0 J	4.2 J
iron (Fe)	µg/L	600*	200.0	17.3 U	22.3 U	105	18.7 U	42.0 B	403.0 J	56.3 J
lead (Pb)	µg/L	50.0	10.0	2.1 U	2.9 U	2.5 B	2.2 U	2.2 B	686.0 J	10.0 UJ
magnesium (Mg)	µg/L		5000.0	6,670.00	6,490	7,050	6,860.0	1,580.0 B	3,740.0 J	6,130.0
manganese (Mn)	µg/L	600*	15.0	450	370.0	349	296.0	20.7	41.6 J	198.0
mercury (Hg)	µg/L		0.2	0.20 U	0.2 U	0.10 U	0.10 U	0.10 U	0.20 UR	0.20 U
nickel (Ni)	µg/L		40.0	39.9 B	21.8 B	44.3	38.5 B	6.2 B	19.1 J	13.5 J
potassium (K)	µg/L		5000.0	2,590.00 B	2,970 BJ	2,900 B	3,170.0 B	1,270.0 B	2,410.0 J	2,950.0 J
selenium (Se)	µg/L	40.0	30.0	3.3 B	3.0 U	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0	1.0 UJ	2.0 U	0.80 U	2.0 B	2.2 B	0.91 J	10.0 U
sodium (Na)	µg/L		5000.0	34,100.00 J	38,000 J	47,700 J	53,500.0	12,700.0 J	29,400.0 J	51,900.0
thallium (Tl)	µg/L		10.0	5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0	0.80 U	1.0 U	0.70 U	0.50 U	0.80 U	50.0 UR	0.66 J
zinc (Zn)	µg/L		20.0	53.8	3.2 B	33.9 J	76.1	75.4 J	513.0 J	34.8 J
field instrument									NM ¹	
pH	su	6.5 - 8.5		5.00	5.16	5.26	4.97	5.20		5.96
conductivity	µmhos/cm			0.498	0.451	0.497	0.427	0.108		0.475
turbidity	NTU			2.3	6.2	8.2	8.6	2.2		1.3
DO	mg/L			3.00	3.54	3.21	3.73	3.88		4.78
temperature	°C			17.86	18.52	17.74	14.35	17.14		18.08
Eh (ORP)	mV			303	244	275	248	220		229
other										
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010							
TSS	mg/L	1,000.0								

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-6
Claremont Polychemical Superfund Site
EW-2C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2C	EW-2C	EW-2C	EW-2C QC	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C
sampling date				Apr-89	Jun-89	Jul-92	Jul-92	6/7/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01
cooler temp ("C)								6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J
VOCs													
VOC dilution factor						10x	10x	5x	2x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L		0.50					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L		0.50					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L		0.50					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50					5.0 J	11.0	61.0	93.0	52.0	44.00
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0		26.0 J			50.0 U	6.0 J	10.0 U	2.0 JB	10.0 U	3.00 J
carbon disulfide	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50					4.0 U	3.0 U	0.8 J	2.0 U	0.6 J	1.00 J
trans-1,2-dichloroethene	µg/L	5.0	0.50					10.0 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50	0.3 J				25.0 U	5.0 J	12.0	17.0	8.0	6.00
cis-1,2-dichloroethene	µg/L	5.0	0.50					10.0 J	15.0	21.0	26.0	12.0	10.00
2-butanone	µg/L		5.0		1.0 R			50.0 U	20.0 U	10.0 U	0.8 JB	10.0 U	10.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50					25.0 U	10.0 U	0.5 J	0.6 J	0.9 J	0.70 J
1,1,1-trichloroethane	µg/L	5.0	0.50			8.0 J	9.0 J	9.0 J	28.0	140.0	170.0	110.0	100.00
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7	0.50					4.0 U	1.0 U	0.7 U	0.7 U	0.7 U	.7 U
1,2-dichloroethane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	0.50	0.5 J		210.0	220.0	530.0	260.0	40.0	41.0	25.0	26.00
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L		5.0					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
toluene	µg/L	5.0	0.50					25.0 U	10.0 U	5.0 U	5.0 U	0.4 J	5.0 U
trans-1,3-dichloropropene	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tetrachloroethene	µg/L	5.0	0.50	2.0	2.0	24.0	26.0	18.0 J	20.0	38.0	39.0	20.0	24.00
2-hexanone	µg/L		5.0					50.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U
dibromochloromethane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0	0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50					25.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L												

Table A-6
Claremont Polychemical Superfund Site
EW-2C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C
sampling date				2/12/02	5/15/02	8/7/02	10/23/02	1/21/03	4/15/03	7/30/03	10/21/03	
cooler temp (°C)				6 °C	J							
VOCs												
VOC dilution factor				1x			1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
chloromethane	µg/L		0.50	0.9	U	0.50	U	0.50	U	0.50	U	0.50
vinyl chloride	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
bromomethane	µg/L		0.50	2.0	U	0.50	U	0.50	U	0.50	U	0.50
chloroethane	µg/L		0.50	4.0	U	0.50	U	0.50	U	0.50	U	0.50
trichlorofluoromethane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,1-dichloroethene	µg/L	5.0	0.50	18.0	20.00	17.00	12.00	J	0.50	U	11.00	17.00
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50		0.50	U	0.24	J	0.50	U	0.50	U
acetone	µg/L		5.0	0.9	U	5.0	U	5.0	U	5.0	U	5.0
carbon disulfide	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
methyl acetate	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
methylene chloride	µg/L	5.0	0.50	4.0	J	0.50	U	0.50	U	0.71	U	0.50
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
tert-butyl methyl ether	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,1-dichloroethane	µg/L	5.0	0.50	3.0	J	2.10	1.90	0.92	0.50	U	2.10	1.90
cis-1,2-dichloroethene	µg/L	5.0	0.50	9.0	6.80	J	11.00	J	7.70	J	1.00	15.00
2-butanone	µg/L		5.0	0.4	U	5.0	U	5.0	U	5.0	U	5.0
bromochloromethane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
chloroform	µg/L	7.0	0.50	0.2	U	0.57	0.76	0.41	J	0.50	U	0.43
1,1,1-trichloroethane	µg/L	5.0	0.50	41.0	63.00	D	22.00	D	22.00	D	1.60	23.00
cyclohexane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
carbon tetrachloride	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
benzene	µg/L	0.7	0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
1,2-dichloroethane	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
trichloroethene	µg/L	5.0	0.50	13.0	15.00	14.00	18.00	1.70	20.00	68.00	D	38.00
methylcyclohexane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,2-dichloropropane	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
bromodichloromethane	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
cis-1,3-dichloropropene	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
4-methyl-2-pentanone	µg/L		5.0	0.4	U	5.0	U	5.0	U	5.0	U	5.0
toluene	µg/L	5.0	0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
trans-1,3-dichloropropene	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
1,1,2-trichloroethane	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
tetrachloroethene	µg/L	5.0	0.50	9.0	9.00	4.20	3.50	2.40	4.20	7.50	5.10	
2-hexanone	µg/L		5.0	0.8	U	5.0	U	5.0	U	5.0	U	5.0
dibromochloromethane	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
1,2-dibromoethane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
chlorobenzene	µg/L	5.0	0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
ethylbenzene	µg/L	5.0	0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
xylene	µg/L		0.50	0.5	U	0.50	U	0.50	U	0.50	U	0.50
styrene	µg/L		0.50	0.2	U	0.50	U	0.50	U	0.50	U	0.50
bromoform	µg/L		0.50	0.2	U	0.50	U	0.18	J	0.50	U	0.50
isopropylbenzene	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.3	U	0.50	U	0.50	U	0.50	U	0.50
1,3-dichlorobenzene	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,4-dichlorobenzene	µg/L		0.50		0.50	U	0.50	U	0.14	J	0.14	J
1,2-dichlorobenzene	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,2-dibromo-3-chloropropane	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,2,4-trichlorobenzene	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
1,2,3-trichlorobenzene	µg/L		0.50		0.50	U	0.50	U	0.50	U	0.50	U
total 1,2-DCE	µg/L											

Table A-6
Claremont Polychemical Superfund Site
EW-2C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2C	EW-2C	EW-2C	EW-2C QC	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C
sampling date				Apr-89	Jun-89	Jul-92	Jul-92	6/7/00	9/11/00	2/15/01	5/30/01	08/23/01	11/09/01
cooler temp (°C)								6.0 J	6.0 J	4.0	7.5 J	5 °C	9 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0	156.0	193.0 J								
antimony (Sb)	µg/L	3.0	20.0					9.0 U	2.1 U	1.5 U	4.4 U	4.7 U	4.6 U
arsenic (As)	µg/L	50.0	40.0			1.0 U		4.0 U	2.0 U	2.4 U	4.2 U	4.4 U	4.4 U
barium (Ba)	µg/L	2,000.0	200.0	119.0	91.5 J	64.0		22.4 B	30.3 B	30.0 B	37.6 B	48.2 B	59.8 B
beryllium (Be)	µg/L		5.0										
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	33,900.0	33,900.0	30,500.0							
chromium (Cr)	µg/L		10.0		5.0	20.0 U							
cobalt (Co)	µg/L		50.0	33.6	25.6								
copper (Cu)	µg/L		25.0	25.0 R	11.9								
iron (Fe)	µg/L	600*	200.0	863.0 J	1,000.0	661.0		88.4 B	110.0	39.2 B	404.0	32.3 B	65.3 B
lead (Pb)	µg/L	50.0	10.0	1.0 J	4.5 J	12.0 J		2.0 U	1.3 U	2.2 U	2.8 B	2.0 U	2.0 U
magnesium (Mg)	µg/L		5000.0	9,620.0	8,040.0	7,430.0							
manganese (Mn)	µg/L	600*	15.0	1,300.0	1,270.0	1,130.0		155.0	244.0	112.0	135.0	139.0	213.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	41.3 J	26.2								
potassium (K)	µg/L		5000.0	18,700.0	16,800.0								
selenium (Se)	µg/L	40.0	30.0			8.2		5.0 U	3.4 U	2.6 U	4.9 U	4.8 U	4.9 U
silver (Ag)	µg/L		10.0	10.0 R		20.0 U							
sodium (Na)	µg/L		5000.0	86,500.0	81,800.0								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0	17.6	4.4								
zinc (Zn)	µg/L		20.0	55.7 J	235.0 J			5.0 U	3.4 U	2.6 U	4.9 U		
field instrument								no data					
pH	su	6.5 - 8.5				5.48			4.93	4.18	no data	6.44	5.26
conductivity	µmhos/cm					0.482			0.150			0.209	0.272
turbidity	NTU												
DO	mg/L								5.80			11.69	6.05
temperature	°C					18.0			14.50			15.60	16.00
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	10.0 U
TSS	mg/L	1,000.0			21.0	316							

1989 data from Ebasco (1990). empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-6
Claremont Polychemical Superfund Site
EW-2C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C
sampling date				2/12/02	5/15/02	8/7/02	10/23/02	1/21/03	4/15/03	7/30/03	10/21/03
cooler temp (°C)				6 °C J							
metals			CRDL								
aluminum (Al)	µg/L		200.0		70.3 B	22.2 U	56.7 U	73.8 B	40.9 U	22.0 J	34.6 J
antimony (Sb)	µg/L	3.0	20.0	5.9 U	4.7 U	8.7 U	1.2 U	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	7.0 U	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	88.2	84.6 B	102.0 B	88.9 B	88.0 B	77.2 B	69.8 J	72.6 J
beryllium (Be)	µg/L		5.0		0.45 B	0.1 U	0.61 B	0.62 B	0.43 B	0.4 J	0.55 J
cadmium (Cd)	µg/L		5.0		0.40 U	0.6 U	0.32 B	0.30 U	0.20 U	5.0 UR	0.45 J
calcium (Ca)	µg/L		5000.0		14,100.00	15,600	13,400	13,900.0	12,200.0 J	11,200.0 J	11,000.0
chromium (Cr)	µg/L		10.0		0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	10.0 UR	10.0 U
cobalt (Co)	µg/L		50.0		10.1 B	7.7 B	8.9 B	8.1 B	5.0 B	3.8 J	7.4 J
copper (Cu)	µg/L		25.0		4.7 B	5.0 B	4.2 B	5.3 B	10.9 B	1.1 J	6.6 J
iron (Fe)	µg/L	600*	200.0	85.3 U	26.7 B	22.3 U	12.5 U	18.7 U	14.2 U	10.0 J	100 U
lead (Pb)	µg/L	50.0	10.0	3.4 U	2.1 U	2.9 U	1.2 U	2.2 U	2.5 B	10.0 UR	10.0 UJ
magnesium (Mg)	µg/L		5000.0		4,130.00 B	4,850 B	4,660 B	5,040.0	4,520.0 B	4,650.0 J	4,610.0 J
manganese (Mn)	µg/L	600*	15.0	296.0	197	175.0	180	167.0	119.0	107.0 J	167.0
mercury (Hg)	µg/L		0.2		0.20 U	0.2 U	0.10 U	0.10 U	0.10 U	0.20 UR	0.20 U
nickel (Ni)	µg/L		40.0		6.7 B	1.8 U	7.7 B	9.7 B	8.5 B	6.7 J	5.8 J
potassium (K)	µg/L		5000.0		3,750.00 B	4,730 B	3,750 B	5,040.0 J	3,730.0 B	4,230.0 J	4,420.0 J
selenium (Se)	µg/L	40.0	30.0	6.90 U	3.0 U	3.1 B	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0		1.0 UJ	2.0 U	0.80 U	0.60 U	0.90 U	10.0 UR	0.72 J
sodium (Na)	µg/L		5000.0		19,500.00 J	25,400 J	31,800 J	37,900.0	35,600.0 J	34,700.0 J	39,600.0
thallium (Tl)	µg/L		10.0		5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0		0.80 U	1.0 U	0.70 U	0.50 U	0.80 U	50.0 UR	50.0 U
zinc (Zn)	µg/L		20.0		48.8	9.5 B	15.1 B	27.1	44.9 J	33.8 J	24.6 J
field instrument											
pH	su	6.5 - 8.5		5.00	4.91	4.92	5.07	4.83	4.85	4.75	4.79
conductivity	µmhos/cm			0.221	0.369	0.366	0.399	0.332	0.346	0.340	0.387
turbidity	NTU				2.0	6.5	7.2	10.9	10.3	1.8	-1.9 R
DO	mg/L			3.66	2.45	2.69	3.70	3.15	4.42	3.62	4.57
temperature	°C			14.40	17.72	18.21	17.90	17.03	17.09	18.37	18.26
Eh (ORP)	mV				310	285	303	269	258	300	299
other											
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.003 U							
TSS	mg/L	1,000.0									

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-7
Claremont Polychemical Superfund Site
EW-4A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02
cooler temp (°C)							5.0	20.0 R	4.0	1.7	5 °C	9 °C J	5 °C
VOCs													
VOC dilution factor						10x	1x	2x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.9 U
vinyl chloride	µg/L		0.50				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.3 U
bromomethane	µg/L		0.50				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	2.0 U
chloroethane	µg/L		0.50				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	4.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50	0.4 J			5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.6 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0		5.0 R		10.0 U	2.0 J	10.0 U	2.0 U	10.0 U	4.00 J	0.9 U
carbon disulfide	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50			5.0 J	2.0 J	6.0 U	5.0 U	1.0 J	0.4 J	1.00 J	0.2 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	240.0	160.0		0.3 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50	0.2 J			5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				66.0	83.0	7.0	4.0 J	2.0 J	6.00	6.0
2-butanone	µg/L		5.0	10.0 R	5.0 R		1.0 J	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,1,1-trichloroethane	µg/L	5.0	0.50	3.0			0.8 J	10.0 U	5.0 U	1.0 J	5 U	5.00 U	0.2 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
benzene	µg/L	0.7	0.50	0.4 J			0.7 U	1.0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.3 U
1,2-dichloroethane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trichloroethene	µg/L	5.0	0.50	22.0	31.0	58.0	31.0	20.0	7.0	3.0 J	1.0 J	4.00 J	5.0
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
bromodichloromethane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
cis-1,3-dichloropropene	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
4-methyl-2-pentanone	µg/L		5.0				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.4 U
toluene	µg/L	5.0	0.50	0.6 J			5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
trans-1,3-dichloropropene	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,1,2-trichloroethane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
tetrachloroethene	µg/L	5.0	0.50	110.0	190.0	290.0	180.0	230.0	130.0	70.0	29.0	200.00	130.0
2-hexanone	µg/L		5.0				10.0 U	20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	0.8 U
dibromochloromethane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
ethylbenzene	µg/L	5.0	0.50	0.3 J			5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
xylene	µg/L		0.50	2.0	1.0		5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.5 U
styrene	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
bromoform	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.2 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50				5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.3 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L					110.0							

Table A-7
Claremont Polychemical Superfund Site
EW-4A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A
sampling date				5/16/02	8/6/02	10/23/02	1/22/03	4/16/03	7/29/03	10/20/03
cooler temp (°C)										
VOCs										
VOC dilution factor						6.3x	1x	1x	1x	2x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
trichlorofluoromethane	µg/L		0.50	0.16 J	0.17 J	3.1 U	0.50 U	0.31 J	0.50 U	1.0 U
1,1-dichloroethene	µg/L	5.0	0.50	0.50 U	0.25 J	3.1 U	0.50 U	0.48 J	0.33 J	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
acetone	µg/L		5.0	5.0 U	5.0 U	31 U	5.0 U	5.0 U	5.0 U	10.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 R	0.50 R	0.50 U	1.0 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.14 J	3.1 U	0.21 J	0.50 U	0.50 U	1.0 U
1,1-dichloroethane	µg/L	5.0	0.50	0.50 U	0.15 J	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	8.40 J	4.90 J	3.20	1.90	1.80	1.50	5.30
2-butanone	µg/L		5.0	5.0 U	5.0 U	3.2 U	5.0 U	5.0 U	5.0 U	10.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
chloroform	µg/L	7.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50	0.62	0.87	0.81 J	0.45 J	0.50 U	0.96	0.70 J
cyclohexane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
benzene	µg/L	0.7	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
trichloroethene	µg/L	5.0	0.50	4.40 J	2.90	2.60 J	1.80 J	2.00	1.30	3.40
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	1.10 J	0.50 U	0.50 U	0.50 U	1.0 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	31 U	5.0 U	5.0 U	5.0 U	10.0 U
toluene	µg/L	5.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
tetrachloroethene	µg/L	5.0	0.50	140.00 D	77.00 D	84.00	70.00 D	59.00 D	58.00 D	160.00 D
2-hexanone	µg/L		5.0	5.0 U	5.0 U	31 U	0.24 J	5.0 U	5.0 U	10.0 U
1,2-dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
ethylbenzene	µg/L	5.0	0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
xylene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
styrene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
bromoform	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.17 J	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.13 J	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	3.1 U	0.50 U	0.50 U	0.50 U	1.0 U
total 1,2-DCE	µg/L									

Table A-7
Claremont Polychemical Superfund Site
EW-4A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A
sampling date				Apr-89	Jun-89	Jul-92	5/25/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02
cooler temp (°C)							5.0	20.0 R	4.0	1.7	5 °C	9 °C J	5 °C
metals			CRDL										
aluminum (Al)	µg/L		200.0		8,330.0 J								
antimony (Sb)	µg/L	3.0	20.0				2.1 U	2.1 U	1.5 U	4.4 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0		3.0	2.1	3.1 U	2 U	2.4 U	5.6 B	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	52.6	106.0 J	51.0	61.9 B	48.2	57.4 B	61.6 B	68.6 B	81.2 B	69.5
beryllium (Be)	µg/L		5.0		2.5								
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	30,300.0 J	37,400.0 J	13,600.0							
chromium (Cr)	µg/L		10.0	10.0 R	27.1	20.0 U							
cobalt (Co)	µg/L		50.0		15.1								
copper (Cu)	µg/L		25.0		22.0								
iron (Fe)	µg/L	600*	200.0	448.0 J	31,000.0 J	9,990.0	23,900.0	23,700.0	27,900.0	28,700.0	17,000.0	10,300.0	2,760.0
lead (Pb)	µg/L	50.0	10.0		36.5	4.0 U	1.3 U	1.3 U	2.2 U	5.8	2.0 U	2.0 U	3.4 U
magnesium (Mg)	µg/L		5000.0	8,870.0	11,200.0	10,300.0							
manganese (Mn)	µg/L	600*	15.0	630.0 J	1,300.0	2,060.0	1,410.0	1,300.0	1,500.0	1,160.0	1,150.0	1,220.0	990.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0		34.3								
potassium (K)	µg/L		5000.0	7,510.0	8,478.0								
selenium (Se)	µg/L	40.0	30.0	3.8 J		1.0 U	1.9 B	3.4 U	3.4 B	4.9 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0			20.0 U							
sodium (Na)	µg/L		5000.0	33,900.0	27,900.0								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0		37.6								
zinc (Zn)	µg/L		20.0	17.8	81.5								
field instrument										no data			
pH	su	6.5 - 8.5				5.90	5.15	5.71	4.86		6.32	4.82	4.81
conductivity	µmhos/cm					0.262	0.281	0.270			0.331	0.302	0.188
turbidity	NTU												
DO	mg/L						10.86	2.20			18.10	7.65	2.87
temperature	°C					15.2	17.30	14.80			15.31	16.20	16.00
Eh (ORP)	mV												
other													
Cr ⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	10.0 U	0.003 U
TSS	mg/L	1,000.0		344.0	1,100.0	220							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-7
Claremont Polychemical Superfund Site
EW-4A Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A
sampling date				5/16/02	8/6/02	10/23/02	1/22/03	4/16/03	7/29/03	10/20/03
cooler temp (°C)										
metals			CRDL							
aluminum (Al)	µg/L		200.0	60.9 B	22.2 U	56.7 U	52.6 B	40.9 U	93.8 J	19.1 J
antimony (Sb)	µg/L	3.0	20.0	4.7 U	8.7 U	1.5 B	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	67.5 B	88.0 B	83.8 B	77.4 B	110.0 B	122.0 J	77.3 J
beryllium (Be)	µg/L		5.0	0.16 B	0.1 U	0.20 U	0.13 B	0.39 B	0.17 J	0.18 J
cadmium (Cd)	µg/L		5.0	0.40 U	0.6 U	0.30 U	0.30 U	0.20 U	5.0 UR	5.0 U
calcium (Ca)	µg/L		5000.0	7,450.00	8,690	9,230	8,000.0	11,600.0	13,300.0 J	8,420.0
chromium (Cr)	µg/L		10.0	0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	10.0 UR	10.0 U
cobalt (Co)	µg/L		50.0	16.2 B	20.5 B	23.0 B	29.0 B	39.6 B	48.6 J	30.5 J
copper (Cu)	µg/L		25.0	2.4 B	2.6 U	3.2 B	5.1 B	8.0 B	2.7 J	4.1 J
iron (Fe)	µg/L	600*	200.0	34.0 B	24.3 B	339 J	20.5 B	31.0 B	3,200.0 J	20.6 J
lead (Pb)	µg/L	50.0	10.0	2.1 U	2.9 U	1.2 U	2.2 U	1.4 U	10.0 UR	10.0 U
magnesium (Mg)	µg/L		5000.0	9,560.00	10,400	10,100	9,390.0	12,800.0	14,000.0 J	8,120.0
manganese (Mn)	µg/L	600*	15.0	885	903.0	780	771.0	1,110.0	1,050.0 J	604.0
mercury (Hg)	µg/L		0.2	0.20 U	0.2 U	0.10 U	0.10 U	0.10 UJ	0.20 UR	0.20 U
nickel (Ni)	µg/L		40.0	2.3 B	1.8 U	4.9 B	3.8 B	4.6 B	5.5 J	3.4 J
potassium (K)	µg/L		5000.0	2,130.00 B	3,370 BJ	3,670 B	3,760.0 B	3,970.0 B	4,770.0 J	3,650 J
selenium (Se)	µg/L	40.0	30.0	3.0 U	3.0 U	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0	1.0 UJ	2.0 U	0.80 U	0.60 U	0.90 U	10.0 UR	10.0 U
sodium (Na)	µg/L		5000.0	11,100.00 J	14,600	20,600 J	23,100.0	31,700.0	35,500.0 J	19,200.0
thallium (Tl)	µg/L		10.0	5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0	0.80 U	1.0 U	0.70 U	0.50 U	0.83 B	50.0 UR	50.0 U
zinc (Zn)	µg/L		20.0	26.4	2.6 U	2.7 B	8.0 B	10.7 B	13.4 J	18.7 J
field instrument										
pH	su	6.5 - 8.5		4.75	4.78	5.04	4.86	4.85	4.82	4.75
conductivity	µmhos/cm			0.324	0.316	0.302	0.250	0.393	0.430	0.267
turbidity	NTU			13.0	20.6	17.8	19.7	16.0	48.1	4.0
DO	mg/L			2.81	3.48	2.70	2.45	1.84	2.22	3.32
temperature	°C			18.70	18.57	18.14	15.64	18.43	18.82	18.20
Eh (ORP)	mV			358	248	308	233	281	290	296
other										
Cr*6 (hexavalent chromium)	mg/L	0.100	0.010							
TSS	mg/L	1,000.0								

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-8
Claremont Polychemical Superfund Site
EW-4B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B		
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02		
cooler temp (°C)							15.0	R 20.0	R 4.0	1.7	5 °C	9 °C	J 5 °C		
VOCs															
VOC dilution factor						5x	2x	2x	2x	2x	1x	1x	1x		
dichlorodifluoromethane	µg/L		0.50												
chloromethane	µg/L		0.50				20.0	U	20.0	U	10.0	U	0.9	U	
vinyl chloride	µg/L		0.50				20.0	U	20.0	U	10.0	U	0.3	U	
bromomethane	µg/L		0.50				20.0	U	20.0	U	10.0	U	2.0	U	
chloroethane	µg/L		0.50				20.0	U	20.0	U	10.0	U	4.0	U	
trichlorofluoromethane	µg/L		0.50												
1,1-dichloroethene	µg/L	5.0	0.50	0.3	J		1.0	J	2.0	J	10.0	U	5.0	U	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50												
acetone	µg/L		5.0		1.0	R	20.0	U	2.0	J	20.0	U	10	U	
carbon disulfide	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
methyl acetate	µg/L		0.50										0.3	U	
methylene chloride	µg/L	5.0	0.50				2.0	U	5.0	U	10.0	U	3.00	J	
trans-1,2-dichloroethene	µg/L	5.0	0.50	13.0	8.0		10.0	U	10.0	U	10.0	U	5.0	U	
tert-butyl methyl ether	µg/L		0.50										0.3	U	
1,1-dichloroethane	µg/L	5.0	0.50				10.0	U	10.0	U	10.0	U	5.0	U	
cis-1,2-dichloroethene	µg/L	5.0	0.50				8.0	J	9.0	J	6.0	J	1.00	J	
2-butanone	µg/L		5.0	10.0	R	1.0	R	20.0	U	4.0	J	20.0	U	10.0	U
bromochloromethane	µg/L		0.50												
chloroform	µg/L	7.0	0.50	0.2	J		0.4	U	10.0	U	10.0	U	5.0	U	
1,1,1-trichloroethane	µg/L	5.0	0.50	2.0	1.0		7.0	J	9.0	J	10.0	U	3.0	J	
cyclohexane	µg/L		0.50												
carbon tetrachloride	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
benzene	µg/L	0.7	0.50	0.8	J		1.0	U	1.0	U	1.0	U	.7	U	
1,2-dichloroethane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
trichloroethene	µg/L	5.0	0.50	2.0	2.0	48.0	320.0		330.0		360.0		220.0		
methylcyclohexane	µg/L		0.50												
1,2-dichloropropane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
bromodichloromethane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
cis-1,3-dichloropropene	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
4-methyl-2-pentanone	µg/L		5.0				20.0	U	20.0	U	20.0	U	10.0	U	
toluene	µg/L	5.0	0.50				10.0	U	10.0	U	10.0	U	5.0	U	
trans-1,3-dichloropropene	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
1,1,2-trichloroethane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
tetrachloroethene	µg/L	5.0	0.50	8.0	7.0	43.0	17.0		15.0		8.0	J	5.0	J	
2-hexanone	µg/L		5.0				20.0	U	20.0	U	20.0	U	10.0	U	
dibromochloromethane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
1,2-dibromoethane	µg/L		0.50												
chlorobenzene	µg/L	5.0	0.50				10.0	U	10.0	U	10.0	U	5.0	U	
ethylbenzene	µg/L	5.0	0.50				10.0	U	10.0	U	10.0	U	5.0	U	
xylene	µg/L		0.50		1.0		10.0	U	10.0	U	10.0	U	5.0	U	
styrene	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
bromoform	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
isopropylbenzene	µg/L		0.50												
1,1,2,2-tetrachloroethane	µg/L		0.50				10.0	U	10.0	U	10.0	U	5.0	U	
1,3-dichlorobenzene	µg/L		0.50												
1,4-dichlorobenzene	µg/L		0.50												
1,2-dichlorobenzene	µg/L		0.50												
1,2-dibromo-3-chloropropane	µg/L		0.50												
1,2,4-trichlorobenzene	µg/L		0.50												
1,2,3-trichlorobenzene	µg/L		0.50												
total 1,2-DCE	µg/L					11.0									

Table A-8
Claremont Polychemical Superfund Site
EW-4B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B
sampling date				5/16/02	8/6/02	10/23/02	1/22/03	4/16/03	7/29/03	10/20/03
cooler temp (°C)										
VOCs										
VOC dilution factor						4.2x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.28 J	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.13 J	2.1 U	0.21 J	0.28 J	0.50 U	0.27 J
1,1-dichloroethene	µg/L	5.0	0.50	0.50 U	0.48 J	2.1 U	0.50 U	1.40	1.30	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 R	0.50 R	0.50 U	0.50 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	0.50 U	0.18 J	2.1 U	0.28 J	0.41 J	0.45 J	0.45 J
cis-1,2-dichloroethene	µg/L	5.0	0.50	0.65	0.84	0.60 J	1.20	1.50	1.80	2.40
2-butanone	µg/L		5.0	5.0 U	5.0 U	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	1.30	1.70	2.30	2.90	4.40	4.00	3.30
cyclohexane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.44 J	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50	72.00 D	42.00 D	59.00	61.00 D	48.00 D	47.00 D	28.00 D
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.56 J	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	3.00	3.50	3.20	4.90	7.50	7.70	7.50
2-hexanone	µg/L		5.0	5.0 U	5.0 U	2.1 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.18 J	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	2.1 U	0.50 U	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L									

Table A-8
Claremont Polychemical Superfund Site
EW-4B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02
cooler temp (°C)							15.0 R	20.0 R	4.0	1.7	5 °C	9 °C J	5 °C
metals			CRDL										
aluminum (Al)	µg/L		200.0		84.0								
antimony (Sb)	µg/L	3.0	20.0				2.1 U	2.1 U	1.5 U	4.4 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0			1.0 U	3.1 U	2 U	2.4 U	4.2 U	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	88.3	88.9	75.0	44.2 B	52.8 B	37.6 B	34.5 B	35.4 B	44.2 B	40.6
beryllium (Be)	µg/L		5.0	4.2	1.4								
cadmium (Cd)	µg/L		5.0			10.0 U							
calcium (Ca)	µg/L		5000.0	32,600.0 J	36,300.0 J	22,400.0							
chromium (Cr)	µg/L		10.0			20.0 U							
cobalt (Co)	µg/L		50.0										
copper (Cu)	µg/L		25.0	32.0	34.9								
iron (Fe)	µg/L	600*	200.0	238.0	346.0 J	1,220.0	111.0	64.3 B	29.6 B	20.5 U	26.4 B	32.0 B	85.3 U
lead (Pb)	µg/L	50.0	10.0	0.7 J		8.3	1.3 U	1.3 U	2.2 U	2.0 U	2.0 U	2.0 U	3.4 U
magnesium (Mg)	µg/L		5000.0	9,670.0	9,810.0	7,010.0							
manganese (Mn)	µg/L	600*	15.0	879.0 J	1,130.0	981.0	363.0	336.0	218.0	163.0	221.	254.0	196.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0		24.4								
potassium (K)	µg/L		5000.0	9,520.0	13,200.0								
selenium (Se)	µg/L	40.0	30.0	7.0 J		7.7	1.5 U	3.4 U	3.5 B	4.9 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0			20.0 U							
sodium (Na)	µg/L		5000.0	53,400.0 J	58,200.0								
thallium (Tl)	µg/L		10.0	7.0									
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0	51.7 J	51.7 J								
field instrument										no data			
pH	su	6.5 - 8.5				5.39	4.24	5.02	4.82		6.18	5.36	5.36
conductivity	µmhos/cm					0.309	0.230	0.220			0.155	0.189	0.121
turbidity	NTU												
DO	mg/L						5.62	6.00			15.05	4.65	7.35
temperature	°C					17.0	19.10	15.20			17.30	15.80	15.40
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na		dm	0.010 U	0.010 U	0.010 U	0.010 U	10.0 U	0.003 U
TSS	mg/L	1,000.0			4.0	305							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-8
Claremont Polychemical Superfund Site
EW-4B Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B
sampling date				5/16/02	8/6/02	10/23/02	1/22/03	4/16/03	7/29/03	10/20/03
cooler temp (°C)										
metals			CRDL							
aluminum (Al)	µg/L		200.0	59.9 B	22.2 U	56.7 U	51.0 B	40.9 U	10.1 J	13.8 J
antimony (Sb)	µg/L	3.0	20.0	4.7 U	8.7 U	1.2 U	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	47.1 B	53.3 B	53.8 B	47.1 B	50.4 B	48.6 J	55.1 J
beryllium (Be)	µg/L		5.0	0.20 B	0.1 U	0.30 B	0.25 B	0.29 B	0.10 J	0.23 J
cadmium (Cd)	µg/L		5.0	0.40 U	0.6 U	0.30 U	0.30 U	0.20 U	5.0 UR	0.31 J
calcium (Ca)	µg/L		5000.0	13,700.00	12,600	11,500	9,570.0	9,640.0	10,400.0 J	11,100.0
chromium (Cr)	µg/L		10.0	0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	10.0 UR	10.0 U
cobalt (Co)	µg/L		50.0	5.8 B	4.3 B	5.8 B	4.4 B	3.0 B	4.4 J	3.7 J
copper (Cu)	µg/L		25.0	6.6 B	2.6 U	1.9 B	2.1 B	5.8 B	25.0 UR	5.7 J
iron (Fe)	µg/L	600*	200.0	17.3 U	22.3 U	12.5 U	18.7 U	14.2 U	66.3 J	100 U
lead (Pb)	µg/L	50.0	10.0	2.1 U	2.9 U	1.2 U	2.2 U	1.5 B	10.0 UR	10.0 U
magnesium (Mg)	µg/L		5000.0	3,360.00 B	3,240 B	3,530 B	2,650.0 B	2,720.0 B	2,940.0 J	3,110.0 J
manganese (Mn)	µg/L	600*	15.0	170	146.0	157	129.0	103.0	153.0 J	113.0
mercury (Hg)	µg/L		0.2	0.20 U	0.2 U	0.10 U	0.10 U	0.10 UJ	0.20 UR	0.20 U
nickel (Ni)	µg/L		40.0	3.7 B	1.8 U	5.4 B	4.5 B	3.9 B	3.9 J	3.2 J
potassium (K)	µg/L		5000.0	3,350.00 B	4,460 BJ	4,540 B	5,290.0 J	4,000.0 B	4,850.0 J	4,970 J
selenium (Se)	µg/L	40.0	30.0	3.0 U	3.0 U	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0	1.0 UJ	2.0 U	0.80 U	0.60 U	0.90 U	10.0 UR	10.0 U
sodium (Na)	µg/L		5000.0	5,340.00 J	6,160 J	9,270 J	8,440.0	8,280.0	7,440.0 J	7,910.0
thallium (Tl)	µg/L		10.0	5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0	0.80 U	1.0 U	0.70 U	0.50 U	0.80 U	50.0 UR	50.0 U
zinc (Zn)	µg/L		20.0	36.5	2.6 U	9.6 B	12.4 B	14.5 B	16.5 J	21.7 J
field instrument										
pH	su	6.5 - 8.5		5.44	5.46	5.48	5.26	5.31	5.42	5.26
conductivity	µmhos/cm			0.215	0.198	0.187	0.123	0.135	0.144	0.160
turbidity	NTU			0.8	9.8	10.2	10.0	18.3	9.3	1.7
DO	mg/L			7.24	6.43	5.16	4.49	5.47	0.74	2.44
temperature	°C			19.04	18.54	18.23	15.79	19.07	18.63	18.18
Eh (ORP)	mV			322	208	275	224	247	189	246
other										
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010							
TSS	mg/L	1,000.0								

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-9
Claremont Polychemical Superfund Site
EW-4C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02
cooler temp (°C)							15.0 R	20.0 R	4.0	1.7	5 °C	9 °C J	5 °C
VOCs													
VOC dilution factor						200x	5x	10x	50x	20x	5x	5x	10x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	9.0 U
vinyl chloride	µg/L		0.50				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	3.0 U
bromomethane	µg/L		0.50				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	17.0 U
chloroethane	µg/L		0.50				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	40.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	1.00 J	6.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0		1.0 R		11.0 J	100.0 U	500.0 U	120.0 J	50.0 U	50 U	9.0 U
carbon disulfide	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50				16.0 J	18.0 J	48.0 J	49.0 J	4.0 J	5.00 J	4.0 JB
trans-1,2-dichloroethene	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				11.0 J	26.0 J	56.0 J	32.0 J	11.0 J	7.00 J	13.0 J
2-butanone	µg/L		5.0		1.0 R		50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	4.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				2.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50				8.0 J	13.0 J	250.0 U	11.0 J	6.0 J	5.00 J	8.0 J
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
benzene	µg/L	0.7	0.50				4.0 U	7.0 U	35.0 U	14.0 U	4.0 U	4 U	3.0 U
1,2-dichloroethane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
trichloroethene	µg/L	5.0	0.50			5,000.0	660.0	1,200.0	4,200.0	2100.0	840.0	490.00	820.0
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
bromodichloromethane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
cis-1,3-dichloropropene	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
4-methyl-2-pentanone	µg/L		5.0				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	4.0 U
toluene	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
trans-1,3-dichloropropene	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
1,1,2-trichloroethane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
tetrachloroethene	µg/L	5.0	0.50	0.8 J	1.0		15.0 J	32.0 J	120.0 J	38.0 J	21.0 J	16.00 J	19.0 J
2-hexanone	µg/L		5.0				50.0 U	100.0 U	500.0 U	200.0 U	50.0 U	50 U	8.0 U
dibromochloromethane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
ethylbenzene	µg/L	5.0	0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
xylene	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	5.0 U
styrene	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
bromoform	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	2.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50				25.0 U	50.0 U	250.0 U	100.0 U	25.0 U	25 U	3.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L												

Table A-9
Claremont Polychemical Superfund Site
EW-4C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C-QC
sampling date				5/16/02	8/6/02	10/23/02	1/22/03	4/16/03	7/29/03	10/20/03	10/20/03
cooler temp (°C)											
VOCs											
VOC dilution factor						50.0x	1x	1x	1x	5x	5x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,1-dichloroethene	µg/L	5.0	0.50	3.60	3.00	25 U	2.70	4.00	0.58	2.5 U	2.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
acetone	µg/L		5.0	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	2.5 U	2.5 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
methyl acetate	µg/L		0.50	0.50 U	0.50 U	25 U	2.30 J	0.50 R	0.50 U	2.5 R	2.5 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	1.00	0.71	25 U	0.36 J	0.57 J	1.70	0.41 J	0.34 J
tert-butyl methyl ether	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,1-dichloroethane	µg/L	5.0	0.50	1.10	0.86	25 U	0.66	1.10	0.80	2.5 U	2.5 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	34 J	18.00	11.00 J	17.00	24.00	18.00	8.80	8.70
2-butanone	µg/L		5.0	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	25.0 U	25.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
chloroform	µg/L	7.0	0.50	0.50 U	0.14 J	25 U	0.18 J	0.50 U	0.50 U	2.5 U	2.5 U
1,1,1-trichloroethane	µg/L	5.0	0.50	13.00	11.00	11.00 J	9.40	15.00	11.00	6.10	5.9
cyclohexane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
benzene	µg/L	0.7	0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.37 J	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
trichloroethene	µg/L	5.0	0.50	1,100.00 D	650.00 D	890.00	990.00 D	380.00 J	770.00 D	330.00 D	390.00 D
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	7.30 J	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	25.0 U	25.0 U
toluene	µg/L	5.0	0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,1,2-trichloroethane	µg/L		0.50	0.50 U	0.25 J	25 U	0.50 U	0.50 U	0.21 J	2.5 U	2.5 U
tetrachloroethene	µg/L	5.0	0.50	19.00	14.00	14.00 J	17.00	23.00	25.00	19.00	20
2-hexanone	µg/L		5.0	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U	25.0 U	25.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
ethylbenzene	µg/L	5.0	0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
xylene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
styrene	µg/L		0.50	0.41 J	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
bromoform	µg/L		0.50	0.50 U	0.19 J	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,4-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	25 U	0.50 U	0.50 U	0.50 U	2.5 U	2.5 U
total 1,2-DCE	µg/L										

Table A-9
Claremont Polychemical Superfund Site
EW-4C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/14/00	2/15/01	5/31/01	08/22/01	11/09/01	2/13/02
cooler temp (°C)							15.0 R	20.0 R	4.0	1.7	5 °C	9 °C J	5 °C
metals			CRDL										
aluminum (Al)	µg/L		200.0		34.7								
antimony (Sb)	µg/L	3.0	20.0				2.1 U	2.1 U	1.5 U	4.4 U	4.7 U	4.6 U	5.9 U
arsenic (As)	µg/L	50.0	40.0			1.0 U	3.1 U	2.0 U	2.4 U	4.2 U	4.4 U	4.4 U	7.0 U
barium (Ba)	µg/L	2,000.0	200.0	102.0	97.2 J	49.0	72.3 B	94.0 B	58.4 B	34.4 B	31.9 B	36.5 B	44.9
beryllium (Be)	µg/L		5.0		0.5								
cadmium (Cd)	µg/L		5.0	6.2 J		10.0 U							
calcium (Ca)	µg/L		5000.0	46,600.0 J	43,500.0	18,900.0							
chromium (Cr)	µg/L		10.0	10.3 J		20.0 U							
cobalt (Co)	µg/L		50.0	30.2	27.0								
copper (Cu)	µg/L		25.0										
iron (Fe)	µg/L	600*	200.0	362.0	100.0 R	62.0	52.7 B	82.3 B	23.6 B	57.1 B	29.9 B	16.2 U	85.3 U
lead (Pb)	µg/L	50.0	10.0	5.0 R		4.0 U	1.3 U	3.2	2.2 U	2.0 U	2.0 U	2.0 U	3.4 U
magnesium (Mg)	µg/L		5000.0	12,700.0	11,500.0	5,170.0							
manganese (Mn)	µg/L	600*	15.0	1,060.0 J	1,150.0		209.0	277.0	75.9	99.5	71.5	76.7	80.1
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	18.5									
potassium (K)	µg/L		5000.0	15,400.0	18,700.0								
selenium (Se)	µg/L	40.0	30.0	3.3 J	1.9 J	1.0 U	1.5 U	3.4 U	2.7 B	4.9 U	4.8 U	4.9 U	6.90 U
silver (Ag)	µg/L		10.0			20.0 U							
sodium (Na)	µg/L		5000.0	51,300.0 J	46,700.0								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0	40.1 J	40.7 J								
field instrument										no data			
pH	su	6.5 - 8.5				5.65	5.11	5.50	4.51		6.51	5.50	5.55
conductivity	µmhos/cm					0.290	0.287	0.330			0.114	0.134	0.109
turbidity	NTU												
DO	mg/L						14.05	5.30			12.81	5.31	6.75
temperature	°C					18.0	18.70	15.30	12.30		18.10	15.40	15.10
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na		dm	0.010 U	0.010 U	0.010 U	0.010 U	10.0 U	0.003 U
TSS	mg/L	1,000.0		10.0	10.0	254							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-9
Claremont Polychemical Superfund Site
EW-4C Cumulative Data

Analyte	units	discharge limit	CRQL	EW-4C		EW-4C		EW-4C		EW-4C		EW-4C		EW-4C		EW-4C-QC	
sampling date				5/16/02		8/6/02		10/23/02		1/22/03		4/16/03		7/29/03		10/20/03	
cooler temp (°C)																	
metals			CRDL														
aluminum (Al)	µg/L		200.0	54.4	B	22.2	U	56.7	U	40.6	B	40.9	U	12.4	J	34.0	J
antimony (Sb)	µg/L	3.0	20.0	4.7	U	8.7	U	1.2	U	2.3	U	2.5	U	60.0	UR	60.0	U
arsenic (As)	µg/L	50.0	40.0	2.8	U	6.0	U	3.0	U	4.8	U	2.2	U	15.0	UR	2.8	J
barium (Ba)	µg/L	2,000.0	200.0	61.7	B	68.7	B	56.9	B	60.3	B	66.6	B	67.3	J	63.7	J
beryllium (Be)	µg/L		5.0	0.10	U	0.1	U	0.20	U	0.10	U	0.20	U	5.0	UR	0.090	J
cadmium (Cd)	µg/L		5.0	0.40	U	0.6	U	0.30	U	0.30	U	0.20	U	5.0	UR	5.0	U
calcium (Ca)	µg/L		5000.0	13,900.00		13,200		10,900		10,600.0		10,900.0		11,800.0	J	11,400.0	
chromium (Cr)	µg/L		10.0	0.60	U	1.3	U	0.80	U	0.60	U	0.60	U	10.0	UR	10.0	U
cobalt (Co)	µg/L		50.0	2.4	B	1.8	B	2.5	B	2.0	B	1.9	B	2.2	J	5.9	J
copper (Cu)	µg/L		25.0	1.2	B	19.0	B	2.4	B	2.3	B	3.8	B	331.0	J	25.0	U
iron (Fe)	µg/L	600*	200.0	17.3	U	22.3	U	12.5	U	18.7	U	14.2	U	42.8	J	77.8	J
lead (Pb)	µg/L	50.0	10.0	2.1	U	4.1	U	1.2	U	2.2	U	1.4	U	48.4	J	10.0	U
magnesium (Mg)	µg/L		5000.0	2,720.00	B	2,670	B	23,500	B	2,330.0	B	2,490.0	B	2,560.0	J	2,240.0	J
manganese (Mn)	µg/L	600*	15.0	37.8		34.4	J	32.7		38.1		32.1		40.9	J	76.8	
mercury (Hg)	µg/L		0.2	0.20	U	0.2	U	0.10	UJ	0.10	UJ	0.10	UJ	0.20	UR	0.20	U
nickel (Ni)	µg/L		40.0	3.1	B	1.8	U	3.3	B	4.4	B	5.1	B	3.7	J	3.2	J
potassium (K)	µg/L		5000.0	3,550.00	B	4,460	BJ	36,500	B	5,530.0	J	4,430.0	B	4,670.0	J	4,060	J
selenium (Se)	µg/L	40.0	30.0	3.0	U	3.0	U	3.0	U	4.8	U	2.3	U	35.0	UR	35.0	U
silver (Ag)	µg/L		10.0	1.0	UJ	2.0	U	0.80	U	0.60	U	0.90	U	10.0	UR	10.0	U
sodium (Na)	µg/L		5000.0	9,430.00	J	10,700	J	11,400		11,200.0		11,400.0		10,900.0	J	11,300.0	
thallium (Tl)	µg/L		10.0	5.4	U	8.8	U	2.4	U	4.7	U	2.9	UJ	25.0	UR	25.0	U
vanadium (V)	µg/L		50.0	0.80	U	1.0	U	0.70	U	0.50	U	0.83	B	50.0	UR	50.0	U
zinc (Zn)	µg/L		20.0	30.9		2.6	U	9.9	B	11.2	B	11.1	B	38.1	J	16.6	J
field instrument																	
pH	su	6.5 - 8.5		5.66		5.57		5.80		5.41		5.41		5.36		5.38	
conductivity	µmhos/cm			0.256		0.216		0.193		0.147		0.167		0.163		0.172	
turbidity	NTU			22.9		0.92		10.0		60.2		-3.8		64.0		4.1	
DO	mg/L			7.67		7.22		6.51		4.84		5.52		5.47		6.38	
temperature	°C			19.50		19.54		18.26		16.67		20.38		19.81		18.26	
Eh (ORP)	mV			271		217		253		224		240		221		241	
other																	
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010														
TSS	mg/L	1,000.0															

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-10
Claremont Polychemical Superfund Site
SW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/25/00	9/13/00	2/13/01	5/29/01	08/20/01
cooler temp (°C)									5.0	10.0 R	6.0 J	0.3	8.7 °C J
VOCs													
VOC dilution factor								50x	5x	20x	50x	50x	50x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50						50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
vinyl chloride	µg/L		0.50		12.0	1.0	3.0		50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
bromomethane	µg/L		0.50						50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
chloroethane	µg/L		0.50						50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50	220.0	21.0 J	1.0	4.0		25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0						7.0 J	16.0 J	500.0 U	500.0 U	500.0 U
carbon disulfide	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50						7.0 J	66.0 J	41.0 J	140.0 J	140.0 J
trans-1,2-dichloroethene	µg/L	5.0	0.50	340.0	982.0	490.0	400.0		25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50			3.0	4.0		25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50						10.0 J	32.0 J	39.0 J	63.0 J	61.0 J
2-butanone	µg/L		5.0		14.0		1.0 R		5.0 J	200.0 U	500.0 U	500.0 U	500.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50						2.0 J	100.0 U	250.0 U	250.0 U	250.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50	2.1		20.0	54.0	18.0 J	25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
benzene	µg/L	0.7	0.50		21.0 J	1.0	2.0		4.0 U	14.0 U	35.0 U	35.0 U	35.0 U
1,2-dichloroethane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
trichloroethene	µg/L	5.0	0.50	35.0	68.0	40.0 J	89.0	150.0	19.0 J	34.0 J	78.0 J	72.0 J	100.0 J
methylcyclohexane	µg/L		0.50										
bromodichloromethane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
1,2-dichloropropane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
cis-1,3-dichloropropene	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
4-methyl-2-pentanone	µg/L		5.0						50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
toluene	µg/L	5.0	0.50	1.0	1.0				0.4 U	100.0 U	250.0 U	250.0 U	250.0 U
trans-1,3-dichloropropene	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
1,1,2-trichloroethane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
tetrachloroethene	µg/L	5.0	0.50	130.0	250.0	1,200.0	1,300.0	1,100.0	840.0	1,900.0	4,200.0	4,500.0	7,100.0
2-hexanone	µg/L		5.0						50.0 U	200.0 U	500.0 U	500.0 U	500.0 U
dibromochloromethane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
ethylbenzene	µg/L	5.0	0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
xylene	µg/L		0.50						0.9 J	100.0 U	250.0 U	250.0 U	250.0 U
styrene	µg/L		0.50						0.3 J	100.0 U	250.0 U	250.0 U	250.0 U
bromoform	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50						25.0 U	100.0 U	250.0 U	250.0 U	250.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L							610.0					

Table A-10
Claremont Polychemical Superfund Site
SW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
sampling date				Nov-01	Feb-02	May-02	Aug-02	Oct-02	Jan. 03	Apr. 03	Jul-03	10/23/03
cooler temp (°C)												
VOCs				na	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	
VOC dilution factor												20x
dichlorodifluoromethane	µg/L		0.50									10.0 U
chloromethane	µg/L		0.50									10.0 U
vinyl chloride	µg/L		0.50									10.0 U
bromomethane	µg/L		0.50									10.0 UJ
chloroethane	µg/L		0.50									10.0 U
trichlorofluoromethane	µg/L		0.50									10.0 UJ
1,1-dichloroethene	µg/L	5.0	0.50									10.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50									10.0 U
acetone	µg/L		5.0									100.0 U
carbon disulfide	µg/L		0.50									10.0 U
methyl acetate	µg/L		0.50									10.0 R
methylene chloride	µg/L	5.0	0.50									10.0 U
trans-1,2-dichloroethene	µg/L	5.0	0.50									10.0 U
tert-butyl methyl ether	µg/L		0.50									10.0 U
1,1-dichloroethane	µg/L	5.0	0.50									10.0 UJ
cis-1,2-dichloroethene	µg/L	5.0	0.50									12.00
2-butanone	µg/L		5.0									100.0 U
bromochloromethane	µg/L		0.50									10.0 UJ
chloroform	µg/L	7.0	0.50									10.0 UJ
1,1,1-trichloroethane	µg/L	5.0	0.50									10.0 U
cyclohexane	µg/L		0.50									10.0 UJ
carbon tetrachloride	µg/L		0.50									10.0 U
benzene	µg/L	0.7	0.50									10.0 U
1,2-dichloroethane	µg/L		0.50									1.90 J
trichloroethene	µg/L	5.0	0.50									15.0 U
methylcyclohexane	µg/L		0.50									10.0 UJ
bromodichloromethane	µg/L		0.50									10.0 UJ
1,2-dichloropropane	µg/L		0.50									10.0 UJ
cis-1,3-dichloropropene	µg/L		0.50									10.0 UJ
4-methyl-2-pentanone	µg/L		5.0									100.0 U
toluene	µg/L	5.0	0.50									10.0 U
trans-1,3-dichloropropene	µg/L		0.50									10.0 UJ
1,1,2-trichloroethane	µg/L		0.50									10.0 UJ
tetrachloroethene	µg/L	5.0	0.50									1,300.00 D
2-hexanone	µg/L		5.0									100.0 U
dibromochloromethane	µg/L		0.50									10.0 U
1,2-dibromoethane	µg/L		0.50									10.0 U
chlorobenzene	µg/L	5.0	0.50									10.0 U
ethylbenzene	µg/L	5.0	0.50									10.0 U
xylene	µg/L		0.50									10.0 U
styrene	µg/L		0.50									10.0 U
bromoform	µg/L		0.50									10.0 U
isopropylbenzene	µg/L		0.50									10.0 U
1,1,2,2-tetrachloroethane	µg/L		0.50									10.0 U
1,3-dichlorobenzene	µg/L		0.50									10.0 U
1,4-dichlorobenzene	µg/L		0.50									10.0 U
1,2-dichlorobenzene	µg/L		0.50									10.0 U
1,2-dibromo-3-chloropropane	µg/L		0.50									10.0 U
1,2,4-trichlorobenzene	µg/L		0.50									10.0 U
1,2,3-trichlorobenzene	µg/L		0.50									10.0 U
total 1,2-DCE	µg/L											

Table A-10
Claremont Polychemical Superfund Site
SW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1					
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/25/00	9/13/00	2/13/01	5/29/01	08/20/01					
cooler temp (°C)									5.0	10.0	R	6.0	J	8.7 °C	J			
metals			CRDL											ns				
aluminum (Al)	µg/L		200.0			205.0	1,500.0	J										
antimony (Sb)	µg/L	3.0	20.0						2.1	U	2.1	U	1.5	U	4.7	U		
arsenic (As)	µg/L	50.0	40.0	1.0				1.0	U	3.1	U	11.4	2.4	U	4.1	U		
barium (Ba)	µg/L	2,000.0	200.0			72.7	88.3	J	78.0	65.9	B	100.0	B	51.1	B	64.8	B	
beryllium (Be)	µg/L		5.0				1.0											
cadmium (Cd)	µg/L		5.0					10.0	U									
calcium (Ca)	µg/L		5000.0			30,500.0	J	31,500.0	J	24,600.0								
chromium (Cr)	µg/L		10.0			10.0	R	9.3	20.0	U								
cobalt (Co)	µg/L		50.0			12.4		3.2										
copper (Cu)	µg/L		25.0				4.5											
iron (Fe)	µg/L	600*	200.0	1,368.0	300.0	4,600.0	6,930.0	J	529.0	964.0	13,000.0	141.0		328.0		2,860.0		
lead (Pb)	µg/L	50.0	10.0			6.3	8.4	4.0	U	5.2	33.2	2.2	U	2.6	U	7.5		
magnesium (Mg)	µg/L		5000.0			5,670.0	6,360.0	5,450.0										
manganese (Mn)	µg/L	600*	15.0	351.0	212.0	356.0	J	381.0	480.0	381.0	502.0	90.0		128.0		87.3		
mercury (Hg)	µg/L		0.2					0.20	U									
nickel (Ni)	µg/L		40.0			43.3	J											
potassium (K)	µg/L		5000.0			5,000.0	R	2,150.0										
selenium (Se)	µg/L	40.0	30.0	19.0	4.0	3.6		8.0	1.5	U	3.4	U	2.6	U	4.6	U	4.8	U
silver (Ag)	µg/L		10.0					20.0	U									
sodium (Na)	µg/L		5000.0			8,410.0	J	9,480.0										
thallium (Tl)	µg/L		10.0															
vanadium (V)	µg/L		50.0				11.9											
zinc (Zn)	µg/L		20.0			43.5	J	40.4	J									
field instrument																		
pH	su	6.5 - 8.5						5.39	5.06	6.19	5.26	no data	no data					
conductivity	µmhos/cm							0.256	0.170	0.220								
turbidity	NTU																	
DO	mg/L								11.26	6.50								
temperature	°C							15.3	16.9	14.80	10.10							
Eh (ORP)	mV																	
other																		
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	na		0.010	U	0.010	U	0.010	U	0.010	U	0.010	U
TSS	mg/L	1,000.0				533.0	187.0	202										

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UU: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

LW: not enough water to purge and stabilize parameters

Table A-10
Claremont Polychemical Superfund Site
SW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
sampling date				Nov-01	Feb-02	May-02	Aug-02	Oct-02	Jan. 03	Apr. 03	Jul-03	10/23/03
cooler temp (°C)												
metals			CRDL	na	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	
aluminum (Al)	µg/L		200.0									5,860.0
antimony (Sb)	µg/L	3.0	20.0									4.9 J
arsenic (As)	µg/L	50.0	40.0									4.5 J
barium (Ba)	µg/L	2,000.0	200.0									77.9 J
beryllium (Be)	µg/L		5.0									0.27 J
cadmium (Cd)	µg/L		5.0									1.8 J
calcium (Ca)	µg/L		5000.0									20,800.0
chromium (Cr)	µg/L		10.0									13.4
cobalt (Co)	µg/L		50.0									57.4
copper (Cu)	µg/L		25.0									47.8
iron (Fe)	µg/L	600*	200.0									11400.0
lead (Pb)	µg/L	50.0	10.0									20.4
magnesium (Mg)	µg/L		5000.0									3,780.0 J
manganese (Mn)	µg/L	600*	15.0									253.0
mercury (Hg)	µg/L		0.2									0.20 U
nickel (Ni)	µg/L		40.0									135.0
potassium (K)	µg/L		5000.0									1,530.0 J
selenium (Se)	µg/L	40.0	30.0									35.0 U
silver (Ag)	µg/L		10.0									10.0 U
sodium (Na)	µg/L		5000.0									9,060.0
thallium (Tl)	µg/L		10.0									25.0 U
vanadium (V)	µg/L		50.0									14.3 J
zinc (Zn)	µg/L		20.0									42.5 J
field instrument					ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - dry	ns - LW
pH	su	6.5 - 8.5		5.62								
conductivity	µmhos/cm			0.246								
turbidity	NTU											
DO	mg/L			5.75								
temperature	°C			12.4								
Eh (ORP)	mV											
other												
Cr ⁶⁺ (hexavalent chromium)	mg/L	0.100	0.010	10.0 U								
TSS	mg/L	1,000.0										

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

LW: not enough water to purge and stabilize parameters

Table A-11
Claremont Polychemical Superfund Site
DW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/25/00	9/13/00	2/13/01	5/29/01	08/20/01
cooler temp (°C)									5.0	10.0 R	6.0 J	0.3	8.7 °C J
VOCs													
VOC dilution factor								5x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50			8.0 J	1.0	7.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0						10.0 U	10.0 U	5.0 J	2.0 JB	10.0 U
carbon disulfide	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50					3.0 BJ	2.0 J	0.4 J	1.0 J	0.6 J	5.0
trans-1,2-dichloroethene	µg/L	5.0	0.50				1.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50				1.0	2.0 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L		5.0		21.0		1.0 R		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50			100.0	16.0	88.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7	0.50			60.0			0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-dichloroethane	µg/L		0.50			6.0 J	1.0 J		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	0.50			260.0	40.0	140.0	1.0 J	5.0 U	5.0 U	5.0 U	5.0 U
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L		5.0						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
toluene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-dichloropropene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tetrachloroethene	µg/L	5.0	0.50			10.0 J	160.0	70.0	12.0	3.0 J	5.0 U	5.0 U	0.8 J
2-hexanone	µg/L		5.0						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
dibromochloromethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0	0.50				1.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L							5.0					

Table A-11
Claremont Polychemical Superfund Site
DW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-1	DW-1-QC	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1
sampling date				11/06/01	11/06/01	2/11/02	5/16/02	8/5/02	10/22/02	1/21/03	4/16/03	7/29/03	10/21/03
cooler temp (°C)				8 °C J	8 °C J	6 °C J							
VOCs													
VOC dilution factor				1x	1x	1x			1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	10.0 U	10.0 U	0.9 U	0.50 U	0.14 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	10.0 U	10.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	10.0 U	10.0 U	2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	10.0 U	10.0 U	4.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	5.0 U	5.0 U	0.6 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	10.0 U	10.0 U	0.9 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50	2.00 U	2.00 U	0.4 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50				0.50 U	0.12 J	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-butanone	µg/L		5.0	10.0 U	10.0 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cyclohexane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	.7 U	.7 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.089 J
trichloroethene	µg/L	5.0	0.50	5.0 U	5.0 U	0.8 U	0.50 U	0.43 J	0.51 J	0.34 J	0.19 J	0.50 U	0.50 U
methylcyclohexane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	10.0 U	10.0 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	1.00 J	5.0 U	0.3 U	0.50 U	0.44 J	0.78 J	0.38 J	0.50 U	0.50 U	0.50 U
2-hexanone	µg/L		5.0	10.0 U	10.0 U	0.8 U	5.0 U	5.0 U	5.0 U	0.34 J	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	5.0 U	5.0 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	5.0 U	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	5 U	2.00 J	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	5.0 U	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.19 J	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50				0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L												

Table A-11
Claremont Polychemical Superfund Site
DW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/25/00	9/13/00	2/13/01	5/29/01	08/20/01
cooler temp (°C)									5.0	10.0 R	6.0 J	0.3	8.7 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0			926.0	488.0 J						
antimony (Sb)	µg/L	3.0	20.0						2.1 U	2.1 U	1.5 U	4.5 U	4.7 U
arsenic (As)	µg/L	50.0	40.0	3.0	4.0			1.0 U	3.1 U	2.0 U	2.7 B	4.1 U	4.4 U
barium (Ba)	µg/L	2,000.0	200.0			144.0	145.0 J	45.0	39.9 B	36.8 B	37.4 B	36.1 B	37.9 B
beryllium (Be)	µg/L		5.0				0.5						
cadmium (Cd)	µg/L		5.0					10.0 U					
calcium (Ca)	µg/L		5000.0			95,300.0	70,500.0	43,700.0					
chromium (Cr)	µg/L		10.0			10.0 R	5.5	20.0 U					
cobalt (Co)	µg/L		50.0			13.2	5.1						
copper (Cu)	µg/L		25.0			14.6	7.2						
iron (Fe)	µg/L	600*	200.0	600.0	343.0	434.0	1,300.0 J	3,740.0	2,640.0	2,340.0	2,280.0	2,560.0	2,830.0
lead (Pb)	µg/L	50.0	10.0			39.0	31.5	4.0 UJ	1.3 U	1.3 U	2.2 U	2.6 U	2.0 U
magnesium (Mg)	µg/L		5000.0			2,160.0	1,120.0	6,480.0					
manganese (Mn)	µg/L	600*	15.0	728.0	604.0	170.0	110.0	1,200.0	656.0	592.0	544.0	473.0	397.0
mercury (Hg)	µg/L		0.2			0.2 R		0.26					
nickel (Ni)	µg/L		40.0			23.6							
potassium (K)	µg/L		5000.0			5,470.0	6,020.0						
selenium (Se)	µg/L	40.0	30.0					7.8	2.2 B	3.4 U	3.2 B	4.6 U	4.8 U
silver (Ag)	µg/L		10.0					20.0 U					
sodium (Na)	µg/L		5000.0			15,500.0	17,300.0						
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0			65.8	912.0						
field instrument													
pH	su	6.5 - 8.5						5.37	5.91	6.64	5.51	5.59	6.56
conductivity	µmhos/cm							0.563	0.441	0.550			NM
turbidity	NTU												
DO	mg/L								11.42	0.70			NM
temperature	°C							15.7	18.80	14.70	13.80		14.80
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	na		0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
TSS	mg/L	1,000.0				72.0	82.0	326					

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-11
Claremont Polychemical Superfund Site
DW-1 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-1	DW-1-QC	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1	DW-1
sampling date				11/06/01	11/06/01	2/11/02	5/16/02	8/5/02	10/22/02	1/21/03	4/16/03	7/29/03	10/21/03
cooler temp (°C)				8 °C J	8 °C J	6 °C J							
metals			CRDL										
aluminum (Al)	µg/L		200.0				7.3 U	22.2 U	56.7 U	21.4 U	40.9 U	200 UR	200 U
antimony (Sb)	µg/L	3.0	20.0	4.6 U	4.6 U	5.9 U	4.7 U	8.7 U	1.2 U	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	5.3 B	4.4 U	7.0 U	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	42.7 B	15.3 B	42.0	41.8 B	46.2 B	48.3 B	40.9 B	39.5 B	39.2 J	31.8 J
beryllium (Be)	µg/L		5.0				0.10 U	0.1 U	0.20 U	0.10 U	0.20 U	5.0 UR	5.0 U
cadmium (Cd)	µg/L		5.0				0.40 U	0.6 U	0.30 U	0.30 U	0.20 U	5.0 UR	5.0 U
calcium (Ca)	µg/L		5000.0				20,800.00	25,200	25,600	21,300.0	23,100.0	20,400.0 J	17,800.0
chromium (Cr)	µg/L		10.0				0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	10.0 UR	0.65 J
cobalt (Co)	µg/L		50.0				1.3 B	1.4 U	1.5 B	1.0 B	0.7 U	50.0 UR	50.0 U
copper (Cu)	µg/L		25.0				0.90 U	2.6 U	2.1 B	0.7 B	1.6 U	25.0 UR	25.0 U
iron (Fe)	µg/L	600*	200.0	2,920.0	40.8 B	3,410.0	3,900.00	3,660 J	5,150	44.3	2,730.0	3320.0 J	2,470
lead (Pb)	µg/L	50.0	10.0	2.0 U	2.0 U	3.4 U	2.1 U	5.9 J	1.2 U	2.2 U	1.4 U	10.0 UR	10.0 U
magnesium (Mg)	µg/L		5000.0				2,610.00 B	3,070.0 B	2910 B	2,650.0 B	2,970.0 B	2,560.0 J	2,080.0 J
manganese (Mn)	µg/L	600*	15.0	513.0	1.8 B	542.0	510	639.0	588	513.0	433.0	439.0 J	346.0
mercury (Hg)	µg/L		0.2				0.20 U	0.2 U	0.15 BJ	0.10 U	0.13 BJ	0.12 J	0.20 U
nickel (Ni)	µg/L		40.0				1.8 U	1.8 U	1.0 U	1.1 U	1.2 U	40.0 UR	40.0 U
potassium (K)	µg/L		5000.0				8,160.00 J	9,850 J	8,820 J	9,050.0 J	9,210.0 J	9,790.0 J	8,290
selenium (Se)	µg/L	40.0	30.0	4.9 U	4.9 U	6.90 U	3.0 U	3.0 U	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0				1.0 UJ	2.0 U	0.80 U	0.60 U	0.90 U	10.0 UR	10.0 U
sodium (Na)	µg/L		5000.0				74,500.00 J	74,300 J	7,130	84,700.0	84,200.0	85,500.0 J	66,400.0
thallium (Tl)	µg/L		10.0				5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0				0.80 U	1.0 U	0.70 U	0.50 U	0.80 U	50.0 UR	50.0 U
zinc (Zn)	µg/L		20.0				15.6 B	2.6 U	1.1 U	1.4 U	1.5 U	10.6 J	5.2 J
field instrument													
pH	su	6.5 - 8.5		6.29		6.38	6.09	6.05	6.35	6.23	6.35	6.18	6.27
conductivity	µmhos/cm			0.657		0.479	0.805	0.733	0.693	0.621	0.672	0.641	0.552
turbidity	NTU						8.2	9.7	9.4	8.5	1.0	17.2	15.5
DO	mg/L			0.00		0.00	0.76	0.13	0.32	0.00	0.49	0.00	0.00
temperature	°C			15.20		13.80	19.25	18.56	18.07	16.52	13.00	18.43	18.08
Eh (ORP)	mV						60	-57	10	-16	123	-35	-17
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	10.0 U	10.0 U	0.003 U							
TSS	mg/L	1,000.0											

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-12
Claremont Polychemical Superfund Site
DW-2 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/24/00	9/13/00	2/13/01	5/29/01	08/20/01
cooler temp (°C)									15.0 R	10.0 R	4.0	0.3	8.7 °C J
VOCs													
VOC dilution factor									1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L		0.50						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50			0.3 J			5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0						10.0 U	10.0 U	10.0 U	2.0 JB	10.0 U
carbon disulfide	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50						0.5 U	0.8 J	5.0 U	0.5 J	2.0 J
trans-1,2-dichloroethene	µg/L	5.0	0.50			0.4 J	1.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L		5.0		21.0		1.0 R		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50			2.0	1.0	0.7 J	0.4 J	5.0 U	5.0 U	5.0 U	5.0 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7	0.50		13.0				0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-dichloroethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	0.50			0.3 J	5.0	4.0	1.0 U	5.0 U	5.0 U	0.8 J	5.0 U
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L		5.0						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
toluene	µg/L	5.0	0.50						0.2 J	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-dichloropropene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tetrachloroethene	µg/L	5.0	0.50		5.0	2.0	96.0	49.0	4.0 J	4.0 J	5.0 U	1.0 J	2.0 J
2-hexanone	µg/L		5.0						10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
dibromochloromethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0	0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50						5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L							2.0 J					

Table A-12
Claremont Polychemical Superfund Site
DW-2 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2QC	DW-2	DW-2	DW-2
sampling date				11/07/01	2/11/02	5/15/02	8/5/02	10/22/02	1/21/03	1/21/03	4/15/03	7/28/03	10/22/03
cooler temp (°C)				9 °C J	6 °C J								
VOCs													
VOC dilution factor				1x	1x			1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	10.0 U	0.9 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	10.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	10.0 U	2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	10.0 U	4.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	0.80 J	1.0 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	10.0 U	0.9 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50	5.0 U	0.4 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50			0.50 U	0.30 J	0.15 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	0.60 J	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	4.00 J	6.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-butanone	µg/L		5.0	10.0 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	3.00 J	4.0 J	0.18 J	0.20 J	0.10 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cyclohexane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	.7 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	5.0 U	2.0 JH	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.090 J	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50	91.00	170.0	0.68	0.50 U	0.40 J	0.42 J	0.53	0.40 J	0.50 U	0.50 U
methylcyclohexane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	10.0 U	0.4 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.10 J	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tetrachloroethene	µg/L	5.0	0.50	2.00 J	2.0 J	2.00	0.59	0.41 J	0.21 J	0.31 J	0.59	0.27 J	0.50 U
2-hexanone	µg/L		5.0	10.0 U	0.8 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	5.0 U	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	5.0 U	0.2 U	0.50 U	0.50 U	0.30 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	5.0 U	0.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.16 J	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.35 J	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50			0.50 U	0.50 U	0.50 U	0.50 U	0.39 J	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L												

Table A-12
Claremont Polychemical Superfund Site
DW-2 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2
sampling date				Mar-86	Jun-86	Apr-89	Jun-89	Jul-92	5/24/00	9/13/00	2/13/01	5/29/01	08/20/01
cooler temp (°C)									15.0 R	10.0 R	4.0	0.3	8.7 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0			205.0	213.0 J						
antimony (Sb)	µg/L	3.0	20.0						2.1 U	2.1 U	1.5 U	4.5 U	4.7 U
arsenic (As)	µg/L	50.0	40.0					1.0 U	3.1 U	2.0 U	2.4 U	4.1 U	4.4 U
barium (Ba)	µg/L	2,000.0	200.0			70.5	70.6 J	54.0	49.9 B	49.4 B	59.4 B	50.2 B	37.7 B
beryllium (Be)	µg/L		5.0			2.9	2.2						
cadmium (Cd)	µg/L		5.0					10.0 U					
calcium (Ca)	µg/L		5000.0			57,100.0	67,000.0	23,500.0					
chromium (Cr)	µg/L		10.0					20.0 U					
cobalt (Co)	µg/L		50.0			40.1	23.3						
copper (Cu)	µg/L		25.0				28.3 J						
iron (Fe)	µg/L	600*	200.0	210.0	213.0	149.0	510.0	71.0	392.0	27.7 B	45.6 B	24.0 B	47.2 B
lead (Pb)	µg/L	50.0	10.0	163.0		10.4 J	4.4 J	4.0 U	1.3 U	1.3 U	2.2 U	2.6 U	2.0 U
magnesium (Mg)	µg/L		5000.0			8,896.0	12,600.0 J	5,900.0					
manganese (Mn)	µg/L	600*	15.0	1,496.0	1,602.0	867.0 J	488.0	460.0	190.0	157.0	148.0	108.0	209.0
mercury (Hg)	µg/L		0.2			0.30 J		0.20 U					
nickel (Ni)	µg/L		40.0			50.5 J	31.6						
potassium (K)	µg/L		5000.0			14,400.0 J	11,600.0						
selenium (Se)	µg/L	40.0	30.0	2.0		3.7 J		7.3	1.5 U	3.4 U	2.6 U	4.6 U	4.8 U
silver (Ag)	µg/L		10.0					20.0 U					
sodium (Na)	µg/L		5000.0			48,700.0	31,600.0						
thallium (Tl)	µg/L		10.0			17.3							
vanadium (V)	µg/L		50.0				50.0 R						
zinc (Zn)	µg/L		20.0			131.0	188.0 J						
field instrument													
pH	su	6.5 - 8.5						4.57	4.51	4.89	4.24	4.54	5.55
conductivity	µmhos/cm							0.497	0.455	0.680		0.050	NM
turbidity	NTU												
DO	mg/L								10.47	0.90		1.90	NM
temperature	°C							16.2	17.2	14.10	13.70	14.40	14.90
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na	na	na		dm	0.010 U	0.010 U	0.010 U	0.010 U
TSS	mg/L	1,000.0					5.0	294					

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-12
Claremont Polychemical Superfund Site
DW-2 Cumulative Data

Analyte	units	discharge limit	CRQL	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2	DW-2QC	DW-2	DW-2	DW-2
sampling date				11/07/01	2/11/02	5/15/02	8/5/02	10/22/02	1/21/03	1/21/03	4/15/03	7/28/03	10/22/03
cooler temp (°C)				9 °C J	6 °C J								
metals			CRDL										
aluminum (Al)	µg/L		200.0			75.6 B	22.2 U	165 B	161.0 B	159.0 B	62.2 B	82.6 J	64.5 J
antimony (Sb)	µg/L	3.0	20.0	4.6 U	5.9 U	4.7 U	8.7 U	1.2 U	2.3 U	2.3 U	2.5 U	60.0 U	60.0 U
arsenic (As)	µg/L	50.0	40.0	4.4 U	7.0 U	2.8 U	6.0 U	3.0 U	4.8 U	4.8 U	2.2 U	15.0 U	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	59.5 B	65.0	58.1 B	62.0 B	79.1 B	77.8 B	79.3 B	99.5 B	58.0 J	47.0 J
beryllium (Be)	µg/L		5.0			0.55 B	0.1 U	0.69 B	0.65 B	0.64 B	0.30 B	0.43 J	0.37 J
cadmium (Cd)	µg/L		5.0			0.40 U	0.6 U	0.30 U	0.30 U	0.30 U	0.28 B	5.0 U	5.0 U
calcium (Ca)	µg/L		5000.0			27,300.00	29,200	3,880	37,200.0	37,900.0	35,500.0 J	29,200.0	23,500.0
chromium (Cr)	µg/L		10.0			0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	0.60 U	10.0 U	10.0 U
cobalt (Co)	µg/L		50.0			7.1 B	6.7 B	7.7 B	6.2 B	6.3 B	6.2 B	3.7 J	2.9 J
copper (Cu)	µg/L		25.0			1.9 B	3.3 B	3.4 B	6.2 B	5.8 B	7.3 B	1.2 J	4.1 J
iron (Fe)	µg/L	600*	200.0	145.0	85.3 U	17.3 U	22.3 U	19.6 B	18.7 U	18.7 U	29.7 B	18.4 J	100 U
lead (Pb)	µg/L	50.0	10.0	2.0 U	3.4 U	2.1 U	5.7 J	1.2 U	2.2 U	2.2 U	1.8 B	10.0 U	10.0 U
magnesium (Mg)	µg/L		5000.0			6,590.00	7,630	9,860	7,940.0	8,110.0	7,080.0	5,750.0	4,570.0 J
manganese (Mn)	µg/L	600*	15.0	534.0	528.0	130	157.0	181	89.4	90.8	81.4	67.4	54.0
mercury (Hg)	µg/L		0.2			0.20 U	0.2 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 J	0.20 U
nickel (Ni)	µg/L		40.0			4.5 B	1.8 U	8.1 B	5.3 B	6.1 B	5.9 B	3.9 J	3.1 J
potassium (K)	µg/L		5000.0			7,920.00 J	9,160 J	10,600 J	12,000.0 J	12,200.0 J	116.0	11,100.0 J	8,410.0
selenium (Se)	µg/L	40.0	30.0	4.9 U	6.90 U	3.6 B	3.0 U	3.0 U	4.8 U	4.8 U	2.3 U	35.0 U	35.0 U
silver (Ag)	µg/L		10.0			1.0 UJ	2.0 U	0.80 U	0.60 U	0.60 U	0.90 U	10.0 U	0.58
sodium (Na)	µg/L		5000.0			62,600.00 J	56,500 J	82,000	135,000.0	139,000.0	116,000.0 J	10,900.0	97,200.0
thallium (Tl)	µg/L		10.0			5.4 U	8.8 U	2.4 U	4.7 U	4.7 U	2.9 UJ	25.0 U	25.0 U
vanadium (V)	µg/L		50.0			0.80 U	1.0 U	0.70 U	0.50 U	0.50 U	0.80 U	50.0 U	50.0 U
zinc (Zn)	µg/L		20.0			23.7	8.9 B	7.2 B	9.0 B	9.2 B	11.8 BJ	44.8 J	9.7 J
field instrument													
pH	su	6.5 - 8.5		5.60	5.55	4.80	4.89	5.10	5.06		5.29	4.93	5.10
conductivity	µmhos/cm			0.365	0.272	0.792	0.716	0.940	1.050		1.000	0.843	0.777
turbidity	NTU					8.0	4.7	6.2	11.4		31.1	42.6	-2.9 R
DO	mg/L			0.00	0.00	2.16	2.77	1.48	0.00		0.00	0.70	0.27
temperature	°C			15.50	14.20	18.57	19.23	18.21	17.57		18.23	18.54	17.79
Eh (ORP)	mV					304	210	283	224		197	274	250
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	10.0 U	0.003 U								
TSS	mg/L	1,000.0											

1989 data from Ebasco (1990), empty cells indicate not detected

1986 data from CA Rich (1986), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-13
Claremont Polychemical Superfund Site
EW-5 Cumulative Data

Analyte	units	discharge limit	CRQL	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5-QC	EW-5
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/13/00	2/13/01	5/29/01	08/20/01	08/20/01	11/07/01
cooler temp (°C)							15.0 R	10.0 R	6.0 J	0.3	8.7 °C J	8.7 °C J	9 °C J
VOCs													
VOC dilution factor						1x	2x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L		0.50				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50				2.0 J	5.0 U	1.0 U	0.6 J	5.0 U	0.9 J	5.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0				20.0 U	10.0 U	10.0 U	1.0 JB	10.0 U	10.0 U	10.0 U
carbon disulfide	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50			0.5 BJ	3.0 U	5.0 U	1.0 J	0.5 J	0.6 J	1.0 J	2.00 J
trans-1,2-dichloroethene	µg/L	5.0	0.50				10.0 U	0.6 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	0.6 J	1.0 J	5.0 U	5.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50				32.0	2.0 J	9.0	8.0	4.0 J	4.0 J	5.0 U
2-butanone	µg/L		5.0		1.0 R		20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50				0.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50				5.0 J	5.0 U	3.0 J	5.0 U	3.0 J	3.0 J	5.0 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7	0.50				1.0 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,2-dichloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	0.50			0.3 J	220.0	14.0	88.0	78.0	62.0	66.0	5.0 U
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L		5.0				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
toluene	µg/L	5.0	0.50			1.0 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-dichloropropene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
tetrachloroethene	µg/L	5.0	0.50	7.0	6.0	2.0	3.0 J	5.0	2.0 J	1.0 J	1.0 J	1.0 J	2.00 J
2-hexanone	µg/L		5.0				20.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
dibromochloromethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0	0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50				10.0 U	5.0 U	5.0 U	5.0 U	0.3 J	5.0 U	5.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										
total 1,2-DCE	µg/L												

Table A-13
Claremont Polychemical Superfund Site
EW-5 Cumulative Data

Analyte	units	discharge limit	CRQL	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5
sampling date				2/11/02	5/15/02	8/5/02	10/22/02	1/21/03	4/15/03	7/28/03	10/22/03
cooler temp (°C)				6 °C	J						
VOCs											
VOC dilution factor				1x			25x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.9 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	2.0 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	4.0 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.075 J
1,1-dichloroethene	µg/L	5.0	0.50	0.6 U	1.00	0.92	13 U	0.74	0.50 U	1.10	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	0.9 U	5.0 U	5.0 U	51.00 J	5.0 U	0.50 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50	0.8 J	0.58	0.62 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50		0.50 U	0.13 J	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethane	µg/L	5.0	0.50	0.3 U	1.60	1.20	13 U	1.00	1.70	1.20	1.10
cis-1,2-dichloroethene	µg/L	5.0	0.50	0.3 U	6.80	6.10	6.50 J	5.00	8.80	7.20	6.10
2-butanone	µg/L		5.0	0.4 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.2 U	0.50 U	0.13 J	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	0.2 U	0.50 U	2.60	13 U	2.10	2.60	2.30	2.00
cyclohexane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.3 U	0.50 U	3.9	13 U	2.70	4.00	4.60	3.60
trichloroethene	µg/L	5.0	0.50	0.8 U	240.00 D	130.00 J	280.00	140.00 D	180.00 D	230.00 D	130.00 D
methylcyclohexane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.098 J	0.50 U	0.11 J
bromodichloromethane	µg/L		0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	0.4 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.2 U	0.50 U	0.12 J	13 U	0.50 U	0.50 U	0.50 U	0.14 J
tetrachloroethene	µg/L	5.0	0.50	0.9 J	2.90	2.30	3.60 J	1.90	0.27	2.70	2.90
2-hexanone	µg/L		5.0	0.8 U	5.0 U	5.0 U	130 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	0.5 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.2 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.2 U	0.50 U	0.50 U	6.80 J	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	0.3 U	0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	13 U	0.50 U	0.50 U	0.50 U	0.50 U
total 1,2-DCE	µg/L										

Table A-13
Claremont Polychemical Superfund Site
EW-5 Cumulative Data

Analyte	units	discharge limit	CRQL	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5-QC	EW-5
sampling date				Apr-89	Jun-89	Jul-92	5/24/00	9/13/00	2/13/01	5/29/01	08/20/01	08/20/01	11/07/01
cooler temp (°C)							15.0 R	10.0 R	6.0 J	0.3	8.7 °C J	8.7 °C J	9 °C J
metals			CRDL										
aluminum (Al)	µg/L		200.0		200.0 R								
antimony (Sb)	µg/L	3.0	20.0				2.1 U	2.1 U	1.5 U	4.5 U	4.7 U	4.7 U	4.6 U
arsenic (As)	µg/L	50.0	40.0			1.0 U	3.1 U	2 U	2.4 B	4.1 U	4.4 U	4.4 U	4.4 U
barium (Ba)	µg/L	2,000.0	200.0	293.0	286.0	300.0	68.2 B	93.3 B	43.7 B	44.8 B	46.0 B	48.0 B	43.5 B
beryllium (Be)	µg/L		5.0		1.0								
cadmium (Cd)	µg/L		5.0	6.2 J		10.0 U							
calcium (Ca)	µg/L		5000.0	38,100.0 J	37,400.0	35,400.0							
chromium (Cr)	µg/L		10.0			20.0 U							
cobalt (Co)	µg/L		50.0	27.7	22.9								
copper (Cu)	µg/L		25.0		11.9								
iron (Fe)	µg/L	600*	200.0	268.0	403.0 J	1,090.0	12.7 B	195.0	67.8 B	57.2 B	19.9 U	19.9 U	16.2 U
lead (Pb)	µg/L	50.0	10.0	12.3 J	10.0 J	4.0 U	1.3 U	1.3 U	2.2 U	2.6 U	2.0 U	2.0 U	2.0 U
magnesium (Mg)	µg/L		5000.0	17,600.0	15,500.0	13,900.0							
manganese (Mn)	µg/L	600*	15.0	934.0 J	1,060.0	1,200.0	542.0	50.1	391.0	378.0	493.0	412.0	111.0
mercury (Hg)	µg/L		0.2			0.20 U							
nickel (Ni)	µg/L		40.0	24.6	52.7 J								
potassium (K)	µg/L		5000.0	23,000.0 J	21,300.0 J								
selenium (Se)	µg/L	40.0	30.0	5.4		6.7	1.5 U	3.4 U	2.6 U	4.6 U	4.8 U	4.8 U	4.9 U
silver (Ag)	µg/L		10.0			20.0 U							
sodium (Na)	µg/L		5000.0	56,800.0 J	44.8								
thallium (Tl)	µg/L		10.0										
vanadium (V)	µg/L		50.0										
zinc (Zn)	µg/L		20.0	128.0	245.0								
field instrument													
pH	su	6.5 - 8.5				5.6	4.740	5.67	5.32	5.33	6.23		5.29
conductivity	µmhos/cm					0.66	0.354	0.330			NM		0.502
turbidity	NTU												
DO	mg/L						10.86	1.60			NM		3.06
temperature	°C					18.0	17.7	14.90	14.00	15.00	15.50		15.80
Eh (ORP)	mV												
other													
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	na	na		dm	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	10.0 U
TSS	mg/L	1,000.0		5.0	8.0	440							

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-13
Claremont Polychemical Superfund Site
EW-5 Cumulative Data

Analyte	units	discharge limit	CRQL	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5
sampling date				2/11/02	5/15/02	8/5/02	10/22/02	1/21/03	4/15/03	7/28/03	10/22/03
cooler temp (°C)				6 °C J							
metals			CRDL								
aluminum (Al)	µg/L		200.0		85.0 B	22.2 U	56.7 U	40.4 B	40.9 U	17.9 J	44.9 J
antimony (Sb)	µg/L	3.0	20.0	5.9 U	4.7 U	8.7 U	1.2 U	2.3 U	2.5 U	60.0 UR	60.0 U
arsenic (As)	µg/L	50.0	40.0	7.0 U	2.8 U	6.0 U	3.0 U	4.8 U	2.2 U	15.0 UR	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	47.4	120.0 B	151.0 B	118 B	112.0 B	121.0 B	117.0 J	124.0 J
beryllium (Be)	µg/L		5.0		0.48 B	0.1 U	0.40 B	0.34 B	0.29 B	0.35 J	0.48 J
cadmium (Cd)	µg/L		5.0		0.40 U	0.6 U	0.39 B	0.35 B	0.38 B	5.0 UR	0.45 J
calcium (Ca)	µg/L		5000.0		32,600.0	39,100.0	36,900	35,500.0	38,400.0 J	42,800.0 J	48,200.0
chromium (Cr)	µg/L		10.0		0.60 U	1.3 U	0.80 U	0.60 U	0.60 U	10.0 UR	10.0 U
cobalt (Co)	µg/L		50.0		38.0 B	43.4 B	32.3 B	31.0 B	31.6 B	30.8 J	31.2 J
copper (Cu)	µg/L		25.0		1.6 B	5.4 B	4.1 B	2.6 B	4.2 B	0.6 J	5.8 J
iron (Fe)	µg/L	600*	200.0	99.8 B	17.3 U	22.3 U	33.3 B	18.7 U	14.2 U	20.2 J	101.0
lead (Pb)	µg/L	50.0	10.0	3.4 U	2.1 U	4.1 J	1.2 U	2.2 U	1.6 B	10.0 UR	10.0 U
magnesium (Mg)	µg/L		5000.0		14,600.0	17,000.0	14,700	14,300.0	153.0	16,100.0 J	16,400.0
manganese (Mn)	µg/L	600*	15.0	124.0	954	1,070.0	751	772.0	804.0	787.0 J	762.0
mercury (Hg)	µg/L		0.2		0.20 U	0.2 U	0.10 UJ	0.10 U	0.10 U	0.2 UR	0.20 U
nickel (Ni)	µg/L		40.0		26.9 B	12.3 B	24.9 B	23.0 B	24.5 B	23.6 J	23.4 J
potassium (K)	µg/L		5000.0		12,800.0 J	17,600.0 J	15,400 J	15,500.0 J	15,500.0	18,400.0 J	17,600.0
selenium (Se)	µg/L	40.0	30.0	6.90 U	3.0 U	3.0 U	3.0 U	4.8 U	2.3 U	35.0 UR	35.0 U
silver (Ag)	µg/L		10.0		1.0 UJ	2.0 U	0.80 U	0.60 U	0.90 U	10.0 UR	10.0 U
sodium (Na)	µg/L		5000.0		37,500.0 J	62,600.0 J	60,000	58,400.0	63,300.0 J	87,500.0 J	75,500.0
thallium (Tl)	µg/L		10.0		5.4 U	8.8 U	2.4 U	4.7 U	2.9 UJ	25.0 UR	25.0 U
vanadium (V)	µg/L		50.0		0.80 U	1.0 U	0.70 U	0.50 U	0.80 U	50.0 UR	50.0 U
zinc (Zn)	µg/L		20.0		53.7	27.2	28.1	33.8	32.9 J	133.0 J	37.3 J
field instrument											
pH	su	6.5 - 8.5		5.06	5.34	5.39	5.58	5.58	5.51	5.33	5.47
conductivity	µmhos/cm			0.271	0.774	0.940	0.836	0.705	0.815	0.945	0.975
turbidity	NTU				2.5	3.2	6.0	12.5	14.8	11.2	-0.7 R
DO	mg/L			6.18	8.18	0.44	0.42	0.00	0.19	3.08	0.00
temperature	°C			12.70	19.34	20.85	18.83	17.03	18.64	18.95	18.59
Eh (ORP)	mV				292	167	202	211	204	254	203
other											
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.003 U							
TSS	mg/L	1,000.0									

1989 data from Ebasco (1990), empty cells indicate not detected

boldface: lab analysis positive detection

U: not detected

UJ: estimated not detected

J: estimated

R: rejected

B (organics): lab blank contamination, magnitude unknown

B (inorganics): IDL < x < CRDL (ILM04.1)(equivalent to J)

D: quantified at dilution

dm: data missing from package

na: not analyzed

NM: not measured

ns: not sampled

* total Fe + total Mn shall not be > 1000 µg/L

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A
sampling date				2/25/00	3/1/00	3/9/00	3/16/00	3/23/00	3/29/00	4/6/2000	4/13/00	4/25/00	4/26/00	5/3/00	5/10/00	
cooler temp (°C)				6.0	9.0 J	6.0 J	3.0	3.0	2.0	6.0 J	dm	4.0	5.0	5.0	3.0	
VOCs																
VOC dilution factor				10x	1x	5x U	23.2x	22x	23.2x	5X	5x	5x	5x	5x	5x	
dichlorodifluoromethane	µg/L		0.50													
chloromethane	µg/L		0.50	100.0 U	10.0 U	50.0 U	23.0 U	22.0 U	23.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
vinyl chloride	µg/L		0.50	100.0 U	10.0 U	50.0 U	23.0 U	22.0 U	23.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
bromomethane	µg/L		0.50	100.0 U	10.0 U	50.0 U	23.0 U	22.0 U	23.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
chloroethane	µg/L		0.50	100.0 U	10.0 U	50.0 U	23.0 U	22.0 U	23.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
trichlorofluoromethane	µg/L		0.50													
1,1-dichloroethene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	6.2 J	1.0 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50													
acetone	µg/L		5.0	100.0 U	10.0 U	50.0 U	120.0 U	110.0 U	280.0	20.0 JB	12.0 U	58.0 B	11.0 JB	38.0 JB	79.0 B	79.0 B
carbon disulfide	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
methyl acetate	µg/L		0.50													
methylene chloride	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	4.0 JB	4.0 U	15.0 J	7.0 J	4.0 J	9.0 U	9.0 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
tert-butyl methyl ether	µg/L		0.50													
1,1-dichloroethane	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	5.9 J	7.0 J	7.0 J	7.0 J	7.0 J	7.0 J	21.0 J	6.0 J
2-butanone (MEK)	µg/L		5.0	100.0 U	10.0 U	50.0 U	120.0 U	110.0 U	120.0 U	13.0 JB	4.0 U	50.0 U	12.0 JB	14.0 JB	10.0 U	10.0 U
bromochloromethane	µg/L		0.50													
chloroform	µg/L	7.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	2.0 J	2.0 JB	25.0 U	2.0 J	25.0 U	25.0 U	25.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	3.0 J	3.0 J	25.0 U	2.0 J	25.0 U	25.0 U	25.0 U
cyclohexane	µg/L		0.50													
carbon tetrachloride	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
benzene	µg/L	0.7	0.50	7.0 U	0.7 U	4.0 U	23.0 U	22.0 U	23.0 U	4.0 U	4.0 U	4.0 U	4.0 U	2.0 J	4.0 U	4.0 U
1,2-dichloroethane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
trichloroethene	µg/L	5.0	0.50	27.0 J	1.0 J	12.0 J	13.0 U	15.0 J	13.0 J	15.0 J	13.0 J	13.0 J	12.0 J	480.0	12.0 J	
methylcyclohexane	µg/L		0.50													
1,2-dichloropropane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
bromodichloromethane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
cis-1,3-dichloropropene	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
4-methyl-2-pentanone	µg/L		5.0	100.0 U	10.0 U	50.0 U	120.0 U	110.0 U	120.0 U	4.0 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
toluene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	0.5 J	0.4 U	25.0 U	25.0 U	1.0 J	25.0 U	25.0 U
trans-1,3-dichloropropene	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,1,2-trichloroethane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	1.0 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
tetrachloroethene	µg/L	5.0	0.50	1,700.0	55.0	660.0	780.0	860.0	760.0	680.0	730.0	780.0	750.0	800.0	610.0	
2-hexanone	µg/L		5.0	100.0 U	10.0 U	50.0 U	120.0 U	110.0 U	120.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
dibromochloromethane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,2-dibromoethane	µg/L		0.50													
chlorobenzene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
ethylbenzene	µg/L	5.0	0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
xylene	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	0.6 J	0.3 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
styrene	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	0.4 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
bromoform	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	0.6 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
isopropylbenzene	µg/L		0.50													
1,1,2,2-tetrachloroethane	µg/L		0.50	50.0 U	5.0 U	25.0 U	23.0 U	22.0 U	23.0 U	1.0 J	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U
1,3-dichlorobenzene	µg/L		0.50													
1,4-dichlorobenzene	µg/L		0.50													
1,2-dichlorobenzene	µg/L		0.50													
1,2-dibromo-3-chloropropane	µg/L		0.50													
1,2,4-trichlorobenzene	µg/L		0.50													
1,2,3-trichlorobenzene	µg/L		0.50													

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1	EXT-1	EXT-1	EXT-1	EXT-1	EXT-1-QC	EXT-1
sampling date				8/9/00	11/15/00	2/7/01	05/16/01	Aug-01	11/20/01	Feb-02	5/29/02	8/7/02	8/7/02	10/25/02
cooler temp (°C)				6.0 J	10.0 R	6.0 J	no CoC		no CoC					
VOCs								no data		no data				
VOC dilution factor				5x	5x	2x	2x		2x		1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	25.0 U	25.0 U	0.7 J	10.0 U		1.00 J		0.79	0.69	0.73	0.50 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	50.0 U	50.0 J	10.0 U	5.0 JB		20.0 U		5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.27 J	0.50 U
methyl acetate	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
methylene chloride	µg/L	5.0	0.50	25.0 U	10.0 U	2.0 U	8.0 JB		3.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50								0.19 J	0.24 J	0.32 J	0.15 J
1,1-dichloroethane	µg/L	5.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.22 J	0.24 J	0.23 J	0.22 J
cis-1,2-dichloroethene	µg/L	5.0	0.50	12.0 J	8.0 J	7.0 J	5.0 J		6.00 J		5.30	5.30	5.30	5.00
2-butanone (MEK)	µg/L		5.0	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		5.0 U	5.0 U	5.0 U	4.40 J
bromochloromethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	25.0 U	2.0 J	1.0 J	2.0 J		3.00 J		1.40	1.40	1.40	1.20
cyclohexane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	4.0 U	4.0 U	1.0 U	1.0 U		1.5 U		0.50 U	0.50 U	0.10 J	0.12 J
1,2-dichloroethane	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50	18.0 J	15.0 J	17.0 J	47.0		62.00		20.00 D	21.00	23.00	34.00 D
methylcyclohexane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.16 J	0.17 J	0.20 J	0.18 J
tetrachloroethene	µg/L	5.0	0.50	700.0	470.0	330.0	200.0		300.00		140.00 D	180.00 D	180.00 D	170.00 D
2-hexanone	µg/L		5.0	50.0 U	50.0 U	20.0 U	20.0 U		20.0 U		5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10 U		0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.18 J
ethylbenzene	µg/L	5.0	0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.15 J
styrene	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	25.0 U	25.0 U	10.0 U	10.0 U		10.0 U		0.50 U	0.18 J	0.50 U	0.21 J
isopropylbenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	25.0 U	25.0 J	10.0 U	10.0 U		10.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50								0.11 J	0.15 J	0.18 J	0.14 J
1,2-dichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC
sampling date				10/25/02	1/28/03	1/28/03	4/24/04	4/24/04	7/24/03	7/24/03	10/28/03	10/28/03
cooler temp (°C)												
VOCs												
VOC dilution factor				1x	1x	1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.042 J	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.80	1.80	0.50 U	0.50 U
1,1,2-trichloro-1,2,2-trifluoro	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
acetone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50	0.17 J	0.21 J	0.23 J	0.50 U	0.50 U	0.50 U	0.50 U	0.26 J	0.25 J
1,1-dichloroethane	µg/L	5.0	0.50	0.23 J	0.28 J	0.30 J	0.71	0.80	0.38 J	0.41 J	0.40 J	0.41 J
cis-1,2-dichloroethene	µg/L	5.0	0.50	5.20	4.30	4.30	4.50	4.50	4.20	4.10	4.00	4.10
2-butanone (MEK)	µg/L		5.0	2.70 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50	1.20	1.50	1.40	2.90	2.80	3.20	3.10	2.90	3.00
cyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	0.12 J	0.50 U	0.50 U	0.14 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.12 J	0.14 J	0.50 U	0.50 U	0.50 U	0.077 J
trichloroethene	µg/L	5.0	0.50	37.00 D	53.00 D	38.00 D	37.00 D	26.00 D	47.00 D	42.00 D	35.00 D	36.00 D
methylcyclohexane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	0.20 J	0.27 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.14 J	0.12 J
tetrachloroethene	µg/L	5.0	0.50	170.00 D	160.00 D	110.00 D	120.00 D	74.00 D	110.00 D	110.00 D	68.00 D	72.00 D
2-hexanone	µg/L		5.0	5.0 U	0.55 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	0.50 U	0.16 J	0.50 U	0.50 U	0.20 J	0.50 U	0.20 J	0.26 J	0.2 J
ethylbenzene	µg/L	5.0	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.021 J	0.017 J
xylene	µg/L		0.50	0.14 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.032 J	0.033 J
1,1,2,2-tetrachloroethane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50	0.14 J	0.18 J	0.16 J	0.24 J	0.50 U	0.22 J	0.21 J	0.21 J	0.21 J
1,2-dichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.27 J	0.26 J	0.11 J	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1A
sampling date				2/25/00	3/1/00	3/9/00	3/16/00	3/23/00	3/29/00	4/6/2000	4/13/00	4/25/00	4/26/00	5/3/00	5/10/00
cooler temp (°C)				6.0 J	9.0 J	6.0 J	3.0	3.0	2.0	6.0 J	dm	4.0	5.0	5.0	3.0
metals			CRDL												
aluminum (Al)	µg/L		200.0												
antimony (Sb)	µg/L	3.0	20.0	3.0 U	4.0 B	3.0 U	0.92 U	0.92 U	0.92 U	7.0 B	2.4 B	2.4 B	2.1 U	56.2 B	2.1 U
arsenic (As)	µg/L	50.0	40.0	3.0 U	3.0 U	3.0 U	0.5 B	0.5 U	0.5 U	3.1 U	3.1 U	3.1 U	3.1 U	9.3 B	3.1 U
barium (Ba)	µg/L	2,000.0	200.0	70.4 B	101 B	68.9 B	79.1	74.5	74.5	70.5 B	72.0 B	71.1 B	75.4 B	22.2 B	70.8 B
beryllium (Be)	µg/L		5.0												
cadmium (Cd)	µg/L		5.0												
calcium (Ca)	µg/L		5000.0												
chromium (Cr)	µg/L		10.0												
cobalt (Co)	µg/L		50.0												
copper (Cu)	µg/L		25.0												
iron (Fe)	µg/L	600*	200.0	1,490.0	193.0	170.0	153.0	119.0	116.0	98.2 B	82.8 B	104.0	82.8 B	10,200.0	60.0 B
lead (Pb)	µg/L	50.0	10.0	6.7	2.0 U	2.3 B	0.46 U	0.46 U	1.0	1.4 B	2.3 B	1.3 U	2.8 B	11.9	1.3 U
magnesium (Mg)	µg/L		5000.0				8,390.0	7,990.0	8,050.0						
manganese (Mn)	µg/L	600*	15.0	616.0	604.0	577.0	659.0	621.0	601.0	568.0	567.0	567.0	507.0	47.0	587.0
mercury (Hg)	µg/L		0.2												
nickel (Ni)	µg/L		40.0												
potassium (K)	µg/L		5000.0												
selenium (Se)	µg/L	40.0	30.0	3.0 U	3.0 U	3.0 U	0.8 U	0.8 U	0.8 U	1.6 B	1.5 U	1.5 U	1.5 U	19.2	1.7 B
silver (Ag)	µg/L		10.0												
sodium (Na)	µg/L		5000.0												
thallium (Tl)	µg/L		10.0												
vanadium (V)	µg/L		50.0												
zinc (Zn)	µg/L		20.0												
field instrument															
pH	su														
conductivity	µmhos/cm														
turbidity	NTU														
DO	mg/L														
temperature	°C														
Eh (ORP)	mV														
other															
Cr ¹⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U	0.01 U	0.01 U	0.01 U	0.010 U
TSS	mg/L	1,000.0		10.0 U	10.0 U	10.0 U				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	22.0

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1A	EXT-1A	EXT-1A	EXT-1A	EXT-1	EXT-1	EXT-1	EXT-1	EXT-1	EXT-1-QC	EXT-1
sampling date				8/9/00	11/15/00	2/7/01	05/16/01	Aug-01	11/20/01	Feb-02	5/29/02	8/7/02	8/7/02	10/25/02
cooler temp (°C)				6.0 J	10.0 R	6.0 J	no CoC		no CoC					
metals			CRDL					no data		no data				
aluminum (Al)	µg/L		200.0								123 B	22.2 U	22.2 U	56.7 U
antimony (Sb)	µg/L	3.0	20.0	2.1 U	5.0 U	2.0 U	4.4 U		4.5 U		1.6 U	8.7 U	8.7 U	1.2 U
arsenic (As)	µg/L	50.0	40.0	2.0 U	2.5 U	3.0 U	4.2 U		4.6 U		4.2 U	6.0 U	6.0 U	3.0 U
barium (Ba)	µg/L	2,000.0	200.0	71.9	78.6 B	73.2 B	87.0 B		73.1 BJ		86.3 B	82.4 B	85.4 B	83.0 B
beryllium (Be)	µg/L		5.0								0.85 B	0.1 U	0.1 U	0.21 B
cadmium (Cd)	µg/L		5.0								0.32 B	0.6 U	0.6 U	0.37 B
calcium (Ca)	µg/L		5000.0								31,800.00	30,400	32,200	32,900
chromium (Cr)	µg/L		10.0								0.50 U	1.3 U	1.3 U	0.80 U
cobalt (Co)	µg/L		50.0								17.5 B	14.2 B	15.4 B	15.5 B
copper (Cu)	µg/L		25.0								5.2 B	5.9 B	5.9 B	10.9 B
iron (Fe)	µg/L	600*	200.0	55.0 B	201.0	86.3 B	126.0		254.0 J		43.0 B	204.0	258.0 J	212 J
lead (Pb)	µg/L	50.0	10.0	1.3 U	2.0 U	3.0 U	2.0 U		2.3 U		12.9	6.7	5.0	8.0
magnesium (Mg)	µg/L		5000.0								7,770.00	7,660	8,040	8,620
manganese (Mn)	µg/L	600*	15.0	590.0	458.0	485.0	460.0		490.0 J		502	471.0	495.0	480
mercury (Hg)	µg/L		0.2								0.13 BJ	0.2 U	0.2 U	0.10 U
nickel (Ni)	µg/L		40.0								8.0 B	1.8 U	1.8 U	7.6 B
potassium (K)	µg/L		5000.0								14,800.00 J	16,100 J	16,900 J	18,900
selenium (Se)	µg/L	40.0	30.0	3.4 U	5.0 U	3.3 B	4.9 U		4.9 U		2.2 U	3.0 U	3.0 U	3.0 U
silver (Ag)	µg/L		10.0								0.70 U	2.0 U	2.0 U	0.80 U
sodium (Na)	µg/L		5000.0								80,900.00	86,900 J	91,800 J	91,300 J
thallium (Tl)	µg/L		10.0								3.3 U	8.8 U	8.8 U	2.4 U
vanadium (V)	µg/L		50.0								0.50 U	1.0 U	1.0 U	0.70 U
zinc (Zn)	µg/L		20.0								23.5 J	1,080	1,230	3,630 J
field instrument								no data	nm	no data				
pH	su										5.78	5.91	5.91	6.00
conductivity	µmhos/cm										0.958	0.905	0.905	0.909
turbidity	NTU										12.7	32.2	32.2	27.6
DO	mg/L										1.54	1.34	1.34	1.48
temperature	°C										19.69	20.56	20.56	17.22
Eh (ORP)	mV										211	121	121	132
other								no data		no data				
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.010 U	0.010 U	0.010 U	0.010 U		10.0 U					
TSS	mg/L	1,000.0		5.0 U	5.0 U	5.0 U	5.0 U		5 U					

Table A-14
Claremont Polychemical Superfund Site
EXT-1 Cumulative Data

Analyte	units	discharge limit	CRQL	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC	EXT-1	EXT-1-QC
sampling date				10/25/02	1/28/03	1/28/03	4/24/04	4/24/04	7/24/03	7/24/03	10/28/03	10/28/03
cooler temp (°C)												
metals			CRDL									
aluminum (Al)	µg/L		200.0	56.7 U	55.1 B	52.6 B	40.9 U	49.7 B	19.5 J	29.6 J	26.9 J	30.7 J
antimony (Sb)	µg/L	3.0	20.0	1.2 U	2.3 U	2.3 U	2.5 U	4.5 U	60.0 U	60.0 U	60.0 U	60.0 U
arsenic (As)	µg/L	50.0	40.0	3.0 U	4.8 U	4.8 U	2.2 U	4.4 U	15.0 U	15.0 U	15.0 U	15.0 U
barium (Ba)	µg/L	2,000.0	200.0	80.2 B	80.3 B	78.7 B	83.5 B	76.9 B	71.9 J	72.8 J	72.5 J	71.9 J
beryllium (Be)	µg/L		5.0	0.20 U	0.23 B	0.18 B	0.20 U	0.25 B	0.16 J	0.16 J	0.17 J	0.20
cadmium (Cd)	µg/L		5.0	0.30 U	0.30 U	0.30 U	0.20 U	0.44 B	5.0 U	5.0 U	5.0 U	5.0 U
calcium (Ca)	µg/L		5000.0	3,210	33,800.0	33,200.0	35,700.0	34,200.0	32,700.0	33,300.0	33,200.0	32,800.0
chromium (Cr)	µg/L		10.0	0.80 U	0.60 U	0.60 U	0.60 U	0.7 B	10.0 U	10.0 U	10.0 U	10.0 U
cobalt (Co)	µg/L		50.0	15.1 B	15.7 B	15.0 B	15.5 B	14.3 B	13.9 J	14.1 J	13.6 J	13.6 J
copper (Cu)	µg/L		25.0	9.2 B	7.6 B	8.1 B	6.1 B	5.1 B	7.4 J	11.1 J	13.6 J	10.8 J
iron (Fe)	µg/L	600*	200.0	198 J	118.0	106.0	107.0	65.5 B	196.0 R	1700.0 R	176.0	201.0
lead (Pb)	µg/L	50.0	10.0	5.9	3.1	3.0	1.7 B	2.7 U	10.0 UR	19.00 J	10.0 UU	10.0 U
magnesium (Mg)	µg/L		5000.0	8,010	8,610.0	8,470.0	9,420.0	8,690.0	9,130.0	8,320.0	8,470.0	8,440.0
manganese (Mn)	µg/L	600*	15.0	469	490.0	486.0	517.0	483.0	492.0	499.0	492.0	485.0
mercury (Hg)	µg/L		0.2	0.11 B	0.10 B	0.10 U	0.10 UU	0.10 U	0.14 J	0.13 J	0.20 U	0.20 U
nickel (Ni)	µg/L		40.0	7.5 B	8.3 B	7.3 B	6.6 B	6.1 B	6.4 J	6.9 J	5.9 J	6.5 J
potassium (K)	µg/L		5000.0	16,800	16,200.0	15,800.0	17,400.0 J	16,400.0	17,500.0	18,200.0	16,800.0	17,400.0
selenium (Se)	µg/L	40.0	30.0	3.0 U	4.8 U	4.8 U	2.3 U	3.5 BJ	35.0 U	35.0 U	35.0 U	35.0 U
silver (Ag)	µg/L		10.0	0.80 U	0.60 U	0.60 U	0.90 U	0.80 U	10.0 U	10.0 U	0.64 J	10.0 U
sodium (Na)	µg/L		5000.0	89,400 J	104,000.0	102,000.0	99,800.0	92,900.0 J	103,000.0	106,000.0	106,000.0	104,000.0
thallium (Tl)	µg/L		10.0	2.4 U	4.7 U	4.7 U	2.9 UU	7.0 UU	25.0 U	25.0 U	25.0 U	25.0 U
vanadium (V)	µg/L		50.0	0.70 U	0.50 U	0.50 U	1.0 B	1.0 U	50.0 U	50.0 U	50.0 U	50.0 U
zinc (Zn)	µg/L		20.0	1,960 J	606.0	574.0	364.0	333.0	744 R	222 R	910.0	812.0
field instrument												
pH	su			6.00	5.90		5.87		5.84		5.94	
conductivity	µmhos/cm			0.909	0.827		0.960		0.898		0.931	
turbidity	NTU			27.6	0.7		-9.7 R		3.7		4.6	
DO	mg/L			1.48	0.50		0.65		0.79		1.03	
temperature	°C			17.22	18.36		18.97		20.14		18.74	
Eh (ORP)	mV			132	105		111		82		114	
other												
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010									
TSS	mg/L	1,000.0										

Table A-15
Claremont Polychemical Superfund Site
EXT-2 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1B	EXT-1B	EXT-1B	EXT-1B	EXT-1B	EXT-1B	EXT-1B	EXT-1B	EXT-2	EXT-2
sampling date				2/25/00	3/1/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01	05/16/01	08/15/01	11/20/01
cooler temp (°C)				6.0	9.0 J	5.0	3.0	6.0 J	10.0 R	6.0 J	no CoC	14.1 °C R	no CoC
VOCs													
VOC dilution factor				20x	20x	5x	10x	10x	2x	2x	2x	2x	4x
dichlorodifluoromethane	µg/L		0.50										
chloromethane	µg/L		0.50	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
vinyl chloride	µg/L		0.50	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
bromomethane	µg/L		0.50	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
chloroethane	µg/L		0.50	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
trichlorofluoromethane	µg/L		0.50										
1,1-dichloroethene	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	2.0 J	4.0 J	4.0 J	4.0 J	20.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50										
acetone	µg/L		5.0	200.0 U	200.0 U	85.0	230.0 B	100.0 J	6.0 U	10.0 U	3.0 JB	25	40.0 U
carbon disulfide	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
methyl acetate	µg/L		0.50										
methylene chloride	µg/L	5.0	0.50	100.0 U	100.0 U	20.0 J	24.0 J	50.0 J	4.0 U	2.0 U	8.0 JB	13.0 B	6.0
trans-1,2-dichloroethene	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
tert-butyl methyl ether	µg/L		0.50										
1,1-dichloroethane	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	1.0 J	.9 J	10.0 U	20.0
cis-1,2-dichloroethene	µg/L	5.0	0.50	100.0 U	100.0 U	26.0	16.0 J	56.0	12.0	14.0	14.0	13	16.00 J
2-butanone (MEK)	µg/L		5.0	200.0 U	200.0 U	50.0 U	26.0 U	100.0 J	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
bromochloromethane	µg/L		0.50										
chloroform	µg/L	7.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	4.0 J	8.0 J	10.0	9.0 J	5.0 U
cyclohexane	µg/L		0.50										
carbon tetrachloride	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
benzene	µg/L	0.7	0.50	14.0 U	14.0 U	4.0 U	7.0 U	7.0 U	1.0 U	0.2 J	1.0 U	1.0 U	3.0 U
1,2-dichloroethane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
trichloroethene	µg/L	5.0	0.50	28.0 J	100.0 U	670.0	24.0 J	64.0	280.0	170.0	210.0	320.0	290.00
methylcyclohexane	µg/L		0.50										
1,2-dichloropropane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
bromodichloromethane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
cis-1,3-dichloropropene	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
4-methyl-2-pentanone	µg/L		5.0	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
toluene	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
trans-1,3-dichloropropene	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
1,1,2-trichloroethane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
tetrachloroethene	µg/L	5.0	0.50	1,900.0	800.0	710.0	1,100.0	1,300.0	210.0	350.0	300.0	280.0	330.00
2-hexanone	µg/L		5.0	200.0 U	200.0 U	50.0 U	100.0 U	100.0 U	20.0 U	20.0 U	20.0 U	20.0 U	40.0 U
dibromochloromethane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
1,2-dibromoethane	µg/L		0.50										
chlorobenzene	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
ethylbenzene	µg/L	5.0	0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
xylene	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
styrene	µg/L		0.50	100.0 U	100.0 U	1.0 J	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
bromoform	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 U	10.0 U	10.0 U	10.0 U	20.0 U
isopropylbenzene	µg/L		0.50										
1,1,2,2-tetrachloroethane	µg/L		0.50	100.0 U	100.0 U	25.0 U	50.0 U	50.0 U	10.0 J	10.0 U	10.0 U	10.0 U	20.0 U
1,3-dichlorobenzene	µg/L		0.50										
1,4-dichlorobenzene	µg/L		0.50										
1,2-dichlorobenzene	µg/L		0.50										
1,2-dibromo-3-chloropropane	µg/L		0.50										
1,2,4-trichlorobenzene	µg/L		0.50										
1,2,3-trichlorobenzene	µg/L		0.50										

Table A-15
Claremont Polychemical Superfund Site
EXT-2 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2
sampling date				Feb-02	5/29/02	8/7/02	10/25/02	1/28/03	4/24/04	7/24/03	10/28/03
cooler temp (°C)											
VOCs				no data							
VOC dilution factor					1x	1x	1x	1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.18 J	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ
chloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50		6.70	4.20	3.70	3.30	4.60	3.90	3.10
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U
acetone	µg/L		5.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R
methylene chloride	µg/L	5.0	0.50		0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
trans-1,2-dichloroethene	µg/L	5.0	0.50		0.50 U	0.10 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-butyl methyl ether	µg/L		0.50		0.11 J	0.20 J	0.12 J	0.20 J	0.37 J	0.50 U	0.19 J
1,1-dichloroethane	µg/L	5.0	0.50		1.50	1.10	1.00 J	1.40 J	1.90	0.88	0.90
cis-1,2-dichloroethene	µg/L	5.0	0.50		11.00	13.00	13.00	7.60	6.50	5.80	6.00
2-butanone (MEK)	µg/L		5.0		5.0 U	5.0 U	6.70	5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50		0.17 J	0.19 J	0.18 J	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-trichloroethane	µg/L	5.0	0.50		11.00	8.6	0.82	6.10	8.60	7.40	5.70
cyclohexane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.85	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50		0.70	0.50 U	0.50 U	0.50 U	0.30 J	0.50 U	0.50 U
trichloroethene	µg/L	5.0	0.50		210.00 D	160.00 D	140.00 D	180.00 D	60.00 D	98.00 D	50.00 D
methylcyclohexane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U
4-methyl-2-pentanone	µg/L		5.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50		0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.041 J
trans-1,3-dichloropropene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U
1,1,2-trichloroethane	µg/L		0.50		0.13 J	0.18 J	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U
tetrachloroethene	µg/L	5.0	0.50		150.00 D	280.00 D	190.00 D	170.00 D	74.00 D	130.00 D	86.00 D
2-hexanone	µg/L		5.0		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50		0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.023 J
xylene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50		0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
isopropylbenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Table A-15
Claremont Polychemical Superfund Site
EXT-2 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1B		EXT-1B		EXT-1B		EXT-1B		EXT-1B		EXT-1B		EXT-2		EXT-2	
sampling date				2/25/00		3/1/00		5/3/00		5/10/00		8/9/00		11/15/00		2/7/01		05/16/01	
cooler temp (°C)				6.0 J		9.0 J		5.0		3.0		6.0 J		10.0 R		6.0 J		no CoC	
metals			CRDL																
aluminum (Al)	µg/L		200.0																
antimony (Sb)	µg/L	3.0	20.0	3.0	B	6.5	B	2.1	U	2.1	U	2.1	U	5.0	U	2.0	U	4.4	U
arsenic (As)	µg/L	50.0	40.0	3.0	U	3.0	U	3.1	U	3.1	U	2.0	U	2.5	U	3.0	U	4.2	U
barium (Ba)	µg/L	2,000.0	200.0	103	B	115	B	77	B	103.0	B	101.0	B	110.0	B	83.5	B	85.1	B
beryllium (Be)	µg/L		5.0																
cadmium (Cd)	µg/L		5.0																
calcium (Ca)	µg/L		5000.0																
chromium (Cr)	µg/L		10.0																
cobalt (Co)	µg/L		50.0																
copper (Cu)	µg/L		25.0																
iron (Fe)	µg/L	600*	200.0	380.0		327.0		635.0		142.0		226.0		250.0		220.0		570.0	
lead (Pb)	µg/L	50.0	10.0	7.0		18		19.7		31.2		69.2		16.7		21.4		12.4	
magnesium (Mg)	µg/L		5000.0																
manganese (Mn)	µg/L	600*	15.0	669.0		649.0		482.0		576.0		542.0		462.0		422.0		409.0	
mercury (Hg)	µg/L		0.2																
nickel (Ni)	µg/L		40.0																
potassium (K)	µg/L		5000.0																
selenium (Se)	µg/L	40.0	30.0	3.0	U	3.0	U	1.5	U	1.5	U	3.4	U	5.0	U	3.3	B	4.9	U
silver (Ag)	µg/L		10.0																
sodium (Na)	µg/L		5000.0																
thallium (Tl)	µg/L		10.0																
vanadium (V)	µg/L		50.0																
zinc (Zn)	µg/L		20.0																
field instrument																		no data	nm
pH	su																		
conductivity	µmhos/cm																		
turbidity	NTU																		
DO	mg/L																		
temperature	°C																		
Eh (ORP)	mV																		
other																			
Cr ¹⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.01	U	0.01	U	0.01	U	0.010	U	0.010	U	0.010	U	0.010	U	0.01	U
TSS	mg/L	1,000.0		10.0	U	10.0	U	5.0	U	11.0		5.0	U	5.0	U	5.0	U	5.00	U

Table A-15
Claremont Polychemical Superfund Site
EXT-2 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2	EXT-2
sampling date				Feb-02	5/29/02	8/7/02	10/25/02	1/28/03	4/24/04	7/24/03	10/28/03
cooler temp (°C)											
metals			CRDL	no data							
aluminum (Al)	µg/L		200.0		120 B	22.2 U	119.0 B	73.3 B	84.6 B	56.4 J	54.0 J
antimony (Sb)	µg/L	3.0	20.0		1.6 U	8.7 U	1.2 U	2.3 U	4.5 U	60.0 U	60.0 U
arsenic (As)	µg/L	50.0	40.0		4.2 U	6.0 U	3.0 U	4.8 U	4.4 U	15.0 U	15.0 U
barium (Ba)	µg/L	2,000.0	200.0		103 B	95.9 B	95.5 B	98.0 B	103.0 B	98.1 J	89.8 J
beryllium (Be)	µg/L		5.0		1.0 B	0.1 U	0.37 B	0.32 B	0.36 B	0.30 J	0.31 J
cadmium (Cd)	µg/L		5.0		0.30 U	0.6 U	0.30 U	0.30 U	0.78 B	5.0 U	5.0 U
calcium (Ca)	µg/L		5000.0		22,100.00	21,000	21,600	24,400.0	26,100.0	22,700.0	20,200.0
chromium (Cr)	µg/L		10.0		0.50 U	1.3 U	0.80 U	0.60 U	0.70 U	10.0 U	0.52 J
cobalt (Co)	µg/L		50.0		16.0 B	13.2 B	15.1 B	14.7 B	14.7 B	14.6 J	13.5 J
copper (Cu)	µg/L		25.0		5.1 B	29.6	49.5	39.4 J	43.2	78.4	43.4
iron (Fe)	µg/L	600*	200.0		11.4 U	480.0 J	724 J	702.0	655.0	1,690.0	795.0
lead (Pb)	µg/L	50.0	10.0		32.2	23.8	38.6	14.1	12.5	45.5 J	11.7
magnesium (Mg)	µg/L		5000.0		7,360.00	7,560	7,630	8,110.0	8,650.0	7,950.0	7,240.0
manganese (Mn)	µg/L	600*	15.0		392	397.0	403	410.0	441.0	439.0	398.0
mercury (Hg)	µg/L		0.2		0.15 BJ	0.2 U	0.10 U	0.11 B	0.10 U	0.10 J	0.20 U
nickel (Ni)	µg/L		40.0		8.6 B	1.8 U	9.5 B	9.1 B	9.6 B	8.7 J	7.3 J
potassium (K)	µg/L		5000.0		10,300.00 J	10,700 J	11,700	10,400.0	11,400.0	11,400.0	11,300.0
selenium (Se)	µg/L	40.0	30.0		2.2 U	3.0 U	3.0 U	4.8 U	2.6 UJ	35.0 U	35.0 U
silver (Ag)	µg/L		10.0		0.70 U	2.0 U	0.80 U	0.60 U	1.2 B	10.0 U	10.0 U
sodium (Na)	µg/L		5000.0		59,000.00	56,700 J	62,500 J	73,800.0	72,600.0 J	79,300.0	76,000.0
thallium (Tl)	µg/L		10.0		3.3 U	8.8 U	2.4 U	4.7 U	7.0 UJ	25.0 U	25.0 U
vanadium (V)	µg/L		50.0		0.50 U	1.0 U	0.70 U	0.50 U	1.0 U	50.0 U	50.0 U
zinc (Zn)	µg/L		20.0		13.7 B	1,380	2,470 J	1,920.0	1510.0	1,170.0 J	997.0
field instrument				no data							
pH	su				4.99	5.45	5.33	5.48	5.39	5.22	5.40
conductivity	µmhos/cm				0.717	0.668	0.676	0.638	0.729	0.674	0.656
turbidity	NTU				5.4	6.6	28.3	8.5	-2.3 R	4.8	15.6
DO	mg/L				2.02	2.41	2.39	1.02	1.44	1.96	1.97
temperature	°C				19.29	21.37	17.69	12.62	18.23	20.75	18.16
Eh (ORP)	mV				291	158	190	139	146	131	152
other				no data							
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010								
TSS	mg/L	1,000.0									

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C
sampling date				2/25/00	3/1/00	3/9/00	3/16/00	3/23/00	3/29/00	4/6/00	4/13/00	4/25/00	4/26/00	5/3/00	5/10/00
cooler temp (°C)				6.0	9.0 J	6.0	3.0	3.0	2.0	6.0	dm	4.0	5.0	5.0	3.0
VOCs															
VOC dilution factor				10x	5x	10x	33.8x	33.8x	44x	10X	10x	10x	10x	10x	10x
dichlorodifluoromethane	µg/L		0.50												
chloromethane	µg/L		0.50	100.0 U	50.0 U	100.0 U	34.0 U	34.0 U	44.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
vinyl chloride	µg/L		0.50	100.0 U	50.0 U	100.0 U	34.0 U	34.0 U	44.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
bromomethane	µg/L		0.50	100.0 U	50.0 U	100.0 U	34.0 U	34.0 U	44.0 U	2.0 J	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
chloroethane	µg/L		0.50	100.0 U	50.0 U	100.0 U	34.0 U	34.0 U	44.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
trichlorofluoromethane	µg/L		0.50												
1,1-dichloroethene	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	51.0	67.0	56.0	3.0 J	3.0 J	5.0 J	50.0 U	50.0 U	50.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50												
acetone	µg/L		5.0	100.0 U	50.0 U	100.0 U	170.0 U	170.0 U	580.0	44.0 JB	34.0 U	170.0 U	22.0 JB	33.0 JB	230.0 B
carbon disulfide	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
methyl acetate	µg/L		0.50												
methylene chloride	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 J	34.0 U	34.0 U	44.0 U	14.0 JB	7.0 U	62.0 U	15.0 J	16.0 J	34.0 J
trans-1,2-dichloroethene	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
tert-butyl methyl ether	µg/L		0.50												
1,1-dichloroethane	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
cis-1,2-dichloroethene	µg/L	5.0	0.50	93.0	55.0	80.0	49.0 U	64.0	54.0	41.0 J	40.0 J	54.0	43.0 J	30.0 J	41.0 J
2-butanone (MEK)	µg/L		5.0	100.0 U	50.0 U	100.0 U	170.0 U	170.0 U	220.0 U	15.0 JB	15.0 U	100.0 U	21.0 JB	26.0 JB	27.0 U
bromochloromethane	µg/L		0.50												
chloroform	µg/L	7.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	4.0 J	4.0 JB	50.0 U	3.0 J	50.0 U	50.0 U
1,1,1-trichloroethane	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	6.0 J	7.0 J	11.0 J	10.0 J	50.0 U	50.0 U
cyclohexane	µg/L		0.50												
carbon tetrachloride	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
benzene	µg/L	0.7	0.50	7.0 U	4.0 U	7.0 U	34.0 U	34.0 U	44.0 U	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U
1,2-dichloroethane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
trichloroethene	µg/L	5.0	0.50	1,900.0	930.0	1,400.0	1,000.0	1,400.0	1,300.0	870.0	1,000.0	1,600.0	1,500.0	820.0	1,400.0
methylcyclohexane	µg/L		0.50												
1,2-dichloropropane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
bromodichloromethane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
cis-1,3-dichloropropene	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
4-methyl-2-pentanone	µg/L		5.0	100.0 U	50.0 U	100.0 U	170.0 U	170.0 U	44.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
toluene	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	0.9 J	1.0 J	50.0 U	50.0 U	2.0 J	50.0 U
trans-1,3-dichloropropene	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
1,1,2-trichloroethane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
tetrachloroethene	µg/L	5.0	0.50	850.0	420.0	540.0	440.0	560.0	450.0	260.0	290.0	430.0	360.0	700.0	280.0
2-hexanone	µg/L		5.0	100.0 U	50.0 U	100.0 U	170.0 U	34.0 U	220.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U
dibromochloromethane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
1,2-dibromoethane	µg/L		0.50												
chlorobenzene	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
ethylbenzene	µg/L	5.0	0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
xylene	µg/L		0.50	50.0 U	25.0 U	18.0 J	34.0 U	34.0 U	44.0 U	0.6 J	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
styrene	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
bromoform	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
isopropylbenzene	µg/L		0.50												
1,1,2,2-tetrachloroethane	µg/L		0.50	50.0 U	25.0 U	50.0 U	34.0 U	34.0 U	44.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
1,3-dichlorobenzene	µg/L		0.50												
1,4-dichlorobenzene	µg/L		0.50												
1,2-dichlorobenzene	µg/L		0.50												
1,2-dibromo-3-chloropropane	µg/L		0.50												
1,2,4-trichlorobenzene	µg/L		0.50												
1,2,3-trichlorobenzene	µg/L		0.50												

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3
sampling date				8/9/00	11/15/00	2/7/01	05/16/01	08/15/01	11/20/01	Feb-02	5/29/02	8/7/02	10/25/02	1/28/03
cooler temp (°C)				6.0 J	10.0 R	6.0 J	no CoC	14.1 °C R	no CoC					
VOCs										no data				
VOC dilution factor				10x	10x	10x	10x	10x	10x		1x	1x	1x	1x
dichlorodifluoromethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chloromethane	µg/L		0.50	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		0.50 U	0.50 U	0.50 U	0.50 U
vinyl chloride	µg/L		0.50	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		0.50 U	0.50 U	0.50 U	0.50 U
bromomethane	µg/L		0.50	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		0.50 U	0.50 U	0.50 U	0.50 U
chloroethane	µg/L		0.50	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trichlorofluoromethane	µg/L		0.50								0.50 U	0.50 U	0.12 J	0.50 U
1,1-dichloroethene	µg/L	5.0	0.50	50.0 U	7.0 J	12.0 J	23.0 J	16.0 J	17.00 J		17.00	15.00	0.15	8.80 J
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50								0.26 J	0.24 J	0.50 U	0.50 U
acetone	µg/L		5.0	100.0 J	100.0 J	28.0 J	100.0 U	170	100.0 U		5.0 U	5.0 U	5.0 U	5.0 U
carbon disulfide	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
methyl acetate	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 R
methylene chloride	µg/L	5.0	0.50	50.0 J	22.0 U	10.0 J	12.0 JB	40.0 JB	39.0		0.50 U	0.50 U	0.78 UJ	0.50 UJ
trans-1,2-dichloroethene	µg/L	5.0	0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.26 J	0.21 J	0.16 J
tert-butyl methyl ether	µg/L		0.50								0.50	0.76	0.64	0.67 J
1,1-dichloroethane	µg/L	5.0	0.50	50.0 U	4.0 J	5.0 J	7.0 J	7.0 J	50.0 U		4.20	4.4	5.20	3.80 J
cis-1,2-dichloroethene	µg/L	5.0	0.50	44.0 J	33.0 J	29.0 J	21.0 J	20.0 J	16.00 J		18.00 J	19.00 J	19.00 J	23.00 J
2-butanone (MEK)	µg/L		5.0	100.0 U	100.0 J	100.0 U	100.0 U	100.0 U	100.0 U		5.0 U	5.0 U	5.0 U	5.0 U
bromochloromethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chloroform	µg/L	7.0	0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.38 J	0.42 J	0.43 J	0.38 J
1,1,1-trichloroethane	µg/L	5.0	0.50	50.0 U	18.0 J	22.0 J	37.0 J	45.0 J	45.00 J		27.00 D	26.00 D	27.00 D	21.00 J
cyclohexane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
carbon tetrachloride	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
benzene	µg/L	0.7	0.50	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U	7.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloroethane	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		1.40	0.80	0.50 U	0.79 J
trichloroethene	µg/L	5.0	0.50	1,900.0	1,400.0	1,300.0	1,100.0	820.0	770.00		620.00 D	580.00 D	780.00 D	1,500.00 D
methylcyclohexane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichloropropane	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
bromodichloromethane	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-dichloropropene	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.12 J	0.50 U	0.50 U	0.50 U
4-methyl-2-pentanone	µg/L		5.0	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		5.0 U	5.0 U	5.0 U	5.0 U
toluene	µg/L	5.0	0.50	50.0 U	50.0 U	50.0 U	50.0 U	4.0 J	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-dichloropropene	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-trichloroethane	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.28 J	0.38 J	0.29 J	0.41 J
tetrachloroethene	µg/L	5.0	0.50	180.0	110.0	70.0	35.0 J	32.0 J	31.00 J		45.00 D	21.00	19.00	16.00 J
2-hexanone	µg/L		5.0	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U	100.0 U		5.0 U	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U		0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromoethane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
chlorobenzene	µg/L	5.0	0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U		0.50 U	0.50 U	0.50 U	0.50 U
ethylbenzene	µg/L	5.0	0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U		0.50 U	0.50 U	0.50 U	0.50 U
xylene	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U		0.50 U	0.50 U	0.50 U	0.50 U
styrene	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U		0.50 U	0.50 U	0.50 U	0.50 U
bromoform	µg/L		0.50	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.00 U		0.50 UJ	0.50 U	0.16 J	0.50 U
isopropylbenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-tetrachloroethane	µg/L		0.50	50.0 U	50.0 J	50.0 U	50.0 U	50.0 U	50.00 U		0.50 U	0.50 U	0.50 U	0.50 U
1,3-dichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,4-dichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2-dichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2-dibromo-3-chloropropane	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-trichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-trichlorobenzene	µg/L		0.50								0.50 U	0.50 U	0.50 U	0.50 U

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-3		EXT-3		EXT-3	
sampling date				4/24/04		7/24/03		10/28/03	
cooler temp (°C)									
VOCs									
VOC dilution factor				5x		1x		5x	
dichlorodifluoromethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
chloromethane	µg/L		0.50	3.0		0.50	U	2.5	U
vinyl chloride	µg/L		0.50	2.5	U	0.50	U	2.5	U
bromomethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
chloroethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
trichlorofluoromethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,1-dichloroethene	µg/L	5.0	0.50	2.5	U	16.00		12.00	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
acetone	µg/L		5.0	25	U	0.50	U	2.5	U
carbon disulfide	µg/L		0.50	2.5	U	0.50	U	2.5	U
methyl acetate	µg/L		0.50	2.5	R	0.50	R	2.5	R
methylene chloride	µg/L	5.0	0.50	2.5	U	0.50	U	3.3	U
trans-1,2-dichloroethene	µg/L	5.0	0.50	2.5	U	0.24	J	2.5	U
tert-butyl methyl ether	µg/L		0.50	2.5	U	0.66		2.5	U
1,1-dichloroethane	µg/L	5.0	0.50	4.70		4.10		3.50	
cis-1,2-dichloroethene	µg/L	5.0	0.50	19.00		24.00		16.00	
2-butanone (MEK)	µg/L		5.0	25	U	5.0	U	25.0	U
bromochloromethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
chloroform	µg/L	7.0	0.50	2.5	U	0.39	J	2.5	U
1,1,1-trichloroethane	µg/L	5.0	0.50	18.00		33.00	J	21.00	
cyclohexane	µg/L		0.50	2.5	U	0.50	U	2.5	U
carbon tetrachloride	µg/L		0.50	2.5	U	0.50	U	2.5	U
benzene	µg/L	0.7	0.50	2.5	U	0.50	U	2.5	U
1,2-dichloroethane	µg/L		0.50	0.83	J	0.55		2.5	U
trichloroethene	µg/L	5.0	0.50	580.00	D	580.00	D	300.00	D
methylcyclohexane	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2-dichloropropane	µg/L		0.50	2.5	U	0.50	U	2.5	U
bromodichloromethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
cis-1,3-dichloropropene	µg/L		0.50	2.5	U	0.50	U	2.5	U
4-methyl-2-pentanone	µg/L		5.0	25	U	5.0	U	25.0	U
toluene	µg/L	5.0	0.50	2.5	U	0.50	U	2.5	U
trans-1,3-dichloropropene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,1,2-trichloroethane	µg/L		0.50	2.5	U	0.26	J	2.5	U
tetrachloroethene	µg/L	5.0	0.50	14.00		24.00		19.00	
2-hexanone	µg/L		5.0	25	U	5.0	U	25.0	U
dibromochloromethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2-dibromoethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
chlorobenzene	µg/L	5.0	0.50	2.5	U	0.50	U	2.5	U
ethylbenzene	µg/L	5.0	0.50	2.5	U	0.50	U	2.5	U
xylene	µg/L		0.50	2.5	U	0.50	U	2.5	U
styrene	µg/L		0.50	2.5	U	0.50	U	2.5	U
bromoform	µg/L		0.50	2.5	U	0.50	U	2.5	U
isopropylbenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,1,2,2-tetrachloroethane	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,3-dichlorobenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,4-dichlorobenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2-dichlorobenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2-dibromo-3-chloropropane	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2,4-trichlorobenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U
1,2,3-trichlorobenzene	µg/L		0.50	2.5	U	0.50	U	2.5	U

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-1C
sampling date				2/25/00	3/1/00	3/9/00	3/16/00	3/23/00	3/29/00	4/6/00	4/13/00	4/25/00	4/26/00	5/3/00	5/10/00
cooler temp (°C)				6.0 J	9.0 J	6.0 J	3.0	3.0	2.0	6.0 J	dm	4.0	5.0	5.0	3.0
metals			CRDL												
aluminum (Al)	µg/L		200.0												
antimony (Sb)	µg/L	3.0	20.0	3.0 U	4.6 B	3.0 U	0.92 U	0.92 U	0.92 U	4.8 B	1.5 U	4.3 B	2.1	2.1 U	2.1 U
arsenic (As)	µg/L	50.0	40.0	3.0 U	3.0 U	3.0 U	1.0 B	0.6 B	0.5 U	3.8 B	4.8 B	3.1 U	3.1 U	3.1 U	3.1 U
barium (Ba)	µg/L	2,000.0	200.0	63.3 B	60.6 B	60.3 B	71.1	69.4	68.6 U	66.4 B	3.1 U	68.1 B	68.8 B	72.9 B	60.0 B
beryllium (Be)	µg/L		5.0												
cadmium (Cd)	µg/L		5.0												
calcium (Ca)	µg/L		5000.0												
chromium (Cr)	µg/L		10.0												
cobalt (Co)	µg/L		50.0												
copper (Cu)	µg/L		25.0												
iron (Fe)	µg/L	600*	200.0	1630.0	659.0	736.0	800.0	859.0	617.0	1,040.0		691.0	536.0	504.0	725.0
lead (Pb)	µg/L	50.0	10.0	13.3	2.0 U	3.0 B	1.1	1.1	0.46 U	4.5		1.5 B	1.3 U	1.7 B	1.3 U
magnesium (Mg)	µg/L		5000.0				8,700.0	8,360.0	8,270.0						
manganese (Mn)	µg/L	600*	15.0	414.0	390.0	395.0	457.0	439.0	424.0	402.0	392.0	384.0	333.0	447.0	349.0
mercury (Hg)	µg/L		0.2												
nickel (Ni)	µg/L		40.0												
potassium (K)	µg/L		5000.0												
selenium (Se)	µg/L	40.0	30.0	3.0 U	3.0 U	3.0 U	0.8 U	0.8 U	0.8 U	1.5 U		1.5 U	1.5 U	1.5 U	1.8 B
silver (Ag)	µg/L		10.0												
sodium (Na)	µg/L		5000.0												
thallium (Tl)	µg/L		10.0												
vanadium (V)	µg/L		50.0												
zinc (Zn)	µg/L		20.0												
field instrument															
pH	su														
conductivity	µmhos/cm														
turbidity	NTU														
DO	mg/L														
temperature	°C														
Eh (ORP)	mV														
other															
Cr ¹⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U	0.01 U	0.01 U	0.010 U	0.010 U
TSS	mg/L	1,000.0		10.0 U	10.0 U	10.0 U				5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-1C	EXT-1C	EXT-1C	EXT-1C	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3	EXT-3
sampling date				8/9/00	11/15/00	2/7/01	05/16/01	08/15/01	11/20/01	Feb-02	5/29/02	8/7/02	10/25/02	1/28/03
cooler temp (°C)				6.0 J	10.0 R	6.0 J	no CoC	14.1 °C R	no CoC					
metals			CRDL							no data				
aluminum (Al)	µg/L		200.0								82.6 B	22.2 U	56.7 U	52.6 B
antimony (Sb)	µg/L	3.0	20.0	2.1 U	5.0 U	2.0 U	4.4 U	4.7 U	4.5 U		1.6 U	8.7 U	1.2 U	2.3 U
arsenic (As)	µg/L	50.0	40.0	2.0 U	2.5 U	3.0 U	4.2 U	4.4 U	4.6 U		4.2 U	6.0 U	3.0 U	4.8 U
barium (Ba)	µg/L	2,000.0	200.0	63.1 B	61.2 B	61.3 B	70.0 B	68.2 B	77.8 BJ		73.5 B	86.5 B	87.2 B	87.1 B
beryllium (Be)	µg/L		5.0								0.82 B	0.1 U	0.33 B	0.32 B
cadmium (Cd)	µg/L		5.0								0.30 U	0.6 U	0.30 U	0.30 U
calcium (Ca)	µg/L		5000.0								16,400.00	14,200	14,900	14,100.0
chromium (Cr)	µg/L		10.0								0.50 U	1.3 U	0.80 U	0.60 U
cobalt (Co)	µg/L		50.0								13.6 B	12.7 B	14.3 B	16.1 B
copper (Cu)	µg/L		25.0								3.2 B	20.7 B	27.3	17.0 B
iron (Fe)	µg/L	600*	200.0	394.0	2,260.0	661.0	183.0	4,580.0	922.0 J		11.4 U	107.0	123	250.0
lead (Pb)	µg/L	50.0	10.0	1.3 U	2.0 U	3.0 U	2.0 U	2.0 U	2.3 U		35.1	23.9	10.3	11.4
magnesium (Mg)	µg/L		5000.0								5,830.00	5,950	6,010	5,910.0
manganese (Mn)	µg/L	600*	15.0	345.0	323.0	312.0	286.0	299.0	358.0 J		342	336.0	343	366.0
mercury (Hg)	µg/L		0.2								0.18 BJ	0.2 U	0.10 U	0.10 U
nickel (Ni)	µg/L		40.0								5.3 B	1.8 U	7.1 B	7.9 B
potassium (K)	µg/L		5000.0								8,970.00 J	7,780 J	8,310	9,580.0
selenium (Se)	µg/L	40.0	30.0	3.4 U	5.0 U	3.0 U	4.9 U	4.8 U	5.1 J		2.2 U	3.0 U	3.0 U	4.8 U
silver (Ag)	µg/L		10.0								0.70 U	2.0 U	0.80 U	0.60 U
sodium (Na)	µg/L		5000.0								32,300.00	24,100 J	29,200 J	25,500.0
thallium (Tl)	µg/L		10.0								3.3 U	8.8 U	2.4 U	4.7 U
vanadium (V)	µg/L		50.0								0.50 U	1.0 U	0.70 U	0.50 U
zinc (Zn)	µg/L		20.0								6.7 B	457.0	592 J	124.0
field instrument								no data	nm	no data				
pH	su										5.33	5.17	5.11	5.40
conductivity	µmhos/cm										0.683	0.396	0.396	0.312
turbidity	NTU										11.4	7.0	12.3	18.1
DO	mg/L										1.82	3.38	3.01	1.72
temperature	°C										19.72	21.10	17.87	11.14
Eh (ORP)	mV										273	194	225	184
other										no data				
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	10.000 U					
TSS	mg/L	1,000.0		5.0 U	9.0	5.0 U	5.0 U	12.0	5.0 U					

Table A-16
Claremont Polychemical Superfund Site
EXT-3 Cumulative Extraction Well Data

Analyte	units	discharge limit	CRQL	EXT-3		EXT-3		EXT-3	
sampling date				4/24/04		7/24/03		10/28/03	
cooler temp (°C)									
metals			CRDL						
aluminum (Al)	µg/L		200.0	48.0	B	28.6	J	37.7	J
antimony (Sb)	µg/L	3.0	20.0	4.5	U	60.0	U	60.0	U
arsenic (As)	µg/L	50.0	40.0	4.4	U	15.0	U	15.0	U
barium (Ba)	µg/L	2,000.0	200.0	88.1	B	84.1	J	85.6	J
beryllium (Be)	µg/L		5.0	0.43	B	0.28	J	0.30	J
cadmium (Cd)	µg/L		5.0	0.74	B	5.0	U	5.0	U
calcium (Ca)	µg/L		5000.0	15,400.0		14,500.0		14,600.0	
chromium (Cr)	µg/L		10.0	0.73	B	10.0	U	10.0	U
cobalt (Co)	µg/L		50.0	15.1	B	13.8	J	14.2	J
copper (Cu)	µg/L		25.0	23.2	B	25.7		30.9	
iron (Fe)	µg/L	600*	200.0	40.6	B	88.3	J	157.0	
lead (Pb)	µg/L	50.0	10.0	7.6		5.4	J	6.6	J
magnesium (Mg)	µg/L		5000.0	6,030.0		5,870.0		5,960.0	
manganese (Mn)	µg/L	600*	15.0	338.0		334.0		334.0	
mercury (Hg)	µg/L		0.2	0.10	U	0.09	J	0.20	U
nickel (Ni)	µg/L		40.0	6.5	B	6.9	J	5.5	J
potassium (K)	µg/L		5000.0	8,080.0		8,910.0		8,670.0	
selenium (Se)	µg/L	40.0	30.0	2.6	UU	35.0	U	35.0	U
silver (Ag)	µg/L		10.0	0.80	U	10.0	U	10.0	U
sodium (Na)	µg/L		5000.0	25,000.0	J	31,500.0		33,500.0	
thallium (Tl)	µg/L		10.0	7.0	UU	25.0	U	25.0	U
vanadium (V)	µg/L		50.0	1.0	U	50.0	U	50.0	U
zinc (Zn)	µg/L		20.0	329.00		377.0	J	545.0	
field instrument									
pH	su			4.91		4.92		5.11	
conductivity	µmhos/cm			0.365		0.362		0.369	
turbidity	NTU			-6.8		R		7.7	
DO	mg/L			2.05		2.40		2.89	
temperature	°C			17.95		19.87		18.36	
Eh (ORP)	mV			208		178		184	
other									
Cr ⁺⁶ (hexavalent chromium)	mg/L	0.100	0.010						
TSS	mg/L	1,000.0							

Appendix B

Raw Process Data Tables

Table B-1:
Claremont Polychemical Superfund Site
Treated System Effluent from Effluent Storage Tank - VOCs - November 6, 2002 to September 17, 2003

Analyte	units	EPA cleanup goal	MDL	CPC-00-PW- 009-041	CPC-00-PW- 009-042	CPC-00-PW- 009-043	CPC-00-PW- 009-044	CPC-00-PW- 009-045	CPC-00-PW- 009-046	CPC-00-PW- 009-047	CPC-00-PW- 009-048	CPC-00-PW- 009-049	CPC-00-PW- 009-050	CPC-00-PW- 009-051	CPC-00-PW- 009-052	CPC-00-PW- 009-053	CPC-00-PW- 009-054	CPC-00-PW- 009-055
Date Analyzed				11/6/02	11/13/02	11/20/02	11/26/02	12/4/02	12/11/02	12/18/02	12/23/02	12/30/02	1/8/03	1/15/03	1/22/03	1/29/03	2/6/03	2/13/03
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
Dichlorodifluoromethane	µg/L		10.00	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U		
chloromethane	µg/L		10.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
vinyl chloride	µg/L		10.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
bromomethane	µg/L		10.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	1.00 U	1.00 U
chloroethane	µg/L		10.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
Trichlorofluoromethane	µg/L			0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	1.00 U
1,1-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L			0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	
acetone	µg/L		10.00	5.0 U	2.6 J	5.0 U	6.8 U	5.0 U	5.0 U	5.0 U	1.3 J	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	1.00 U	2.00
carbon disulfide	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
methyl acetate	µg/L			0.50 U	0.50 U	0.18 J	0.37 J	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 R	0.50 R	0.50 R	0.50 R	1.0 U	
methylene chloride	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
trans- 1,2-dichloroethene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
tert-Butyl Methyl Ether	µg/L			0.50 U	0.17 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	1.0 U	
1,1-dichloroethane	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
cis- 1,2-dichloroethene	µg/L	5.00	5.00	0.70	0.80	0.71	0.60	0.67	0.20 J	0.60	0.51	0.57	0.53	0.50	0.42 J	0.51	0.50 J QM	0.50 J QM
2- butanone	µg/L		10.00	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.00 U	1.00 U
Bromochloromethane	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
chloroform	µg/L	7.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,1,1-trichloroethane	µg/L	5.00	5.00	0.22 J	0.25 J	0.20 J	0.17 J	0.22 J	0.50 U	0.50 U	0.17 J	0.18 J	0.17 J	0.50 U	0.50 U	0.18 J	0.20 J QM	0.20 J QM
Cyclohexane	µg/L			0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		
carbon tetrachloride	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	1.00 U	1.00 U
benzene	µg/L	0.70	0.70	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,2-dichloroethane	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	1.00 U	1.00 U
trichloroethene	µg/L	5.00	5.00	1.3	1.7	1.4 U	1.5	1.6	0.45 J	2.1	2.0	1.6	1.7	1.6	1.6	2.0	2.30	2.10
Methylcyclohexane	µg/L			0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U		
1,2-dichloropropane	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
bromodichloromethane	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
cis- 1,3-dichloropropene	µg/L		5.00	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
4-methyl-2-pentanone	µg/L		10.00	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	1.00 U	1.00 U
toluene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
trans-1,3-dichloropropene	µg/L		5.00	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,1,2-trichloroethane	µg/L		5.00	0.16 J	0.19 J	0.17 J	0.18 J	0.50 U	0.50 U	0.50 U	0.50 U	0.21 J	0.50 U	0.50 U	0.17 J	0.50 U	1.00 U	1.00 U
tetrachloroethene	µg/L	5.00	5.00	0.50 U	0.39 J	0.50 U	0.36 J	0.28 J	0.50 U	0.51	0.57	0.24 J	0.28 J	0.50 U	0.50 U	0.23 J	0.30 J QM	1.00 U
2-hexanone	µg/L		10.00	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.00 U	1.00 U
dibromochloromethane	µg/L		5.00	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,2-Dibromoethane	µg/L			0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
chlorobenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
ethylbenzene	µg/L	5.00	5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
xylene (total)	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
styrene	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
bromoform	µg/L		5.00	0.50 U	0.50 R	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
Isopropylbenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,3-Dichlorobenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,4-Dichlorobenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,2-Dichlorobenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,2-Dibromo-3-chloropropane	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.00 U	1.00 U
1,2,4-Trichlorobenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	1.00 U	1.00 U
1,2,3-Trichlorobenzene	µg/L			0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	1.00 U	1.00 U
pH	su	6.5 to 8.5		6.63	6.70	6.60	6.90	7.00	7.10	6.53	7.00	6.61	6.52	6.67	6.63			

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
QM: presence of material verified but not quantified

Table B-1:
Claremont Polychemical Superfund Site
Treated System Effluent from Effluent Storage Tank - VOCs - November 6, 2002 to September 17, 2003

Analyte	units	EPA cleanup goal	MDL	CPC-00-PW- 009-056	CPC-00-PW- 009-057	CPC-00-PW- 009-058	CPC-00-PW- 009-059	CPC-00-PW- 009-060	CPC-00-PW- 009-061	CPC-00-PW- 009-062	CPC-00-PW- 009-063	CPC-00-PW- 009-064	CPC-00-PW- 009-065	CPC-00-PW- 009-066	CPC-00-PW- 009-067	CPC-00-PW- 009-068	CPC-00-PW- 009-069	CPC-00-PW- 009-070
Date Analyzed				2/20/03	2/27/03	3/10/03	3/13/03	3/20/03	3/27/03	4/3/03	4/10/03	4/25/03	5/15/03	6/25/03	7/24/03	8/29/03	9/17/03	
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	
Dichlorodifluoromethane	µg/L		10.00											0.50 U	0.50 U		0.50 U	
chloromethane	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
vinyl chloride	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromomethane	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	1.00 U	0.50 U	
chloroethane	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
Trichlorofluoromethane	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 UJ	
1,1-dichloroethene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.20 J	0.50 U	0.50 UJ	
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L													0.50 U	0.50 U		0.50 UJ	
acetone	µg/L		10.00	1.00 U	0.80 J Q	0.60 J Q	1.0 J Q	1.00 U	2.2	2.60	9.00 U	2.30	5.00 U	0.50 U	5.0 U	7.00 U	5.0 UJ	
carbon disulfide	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
methyl acetate	µg/L													0.50 U	0.50 R		0.50 UJ	
methylene chloride	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 UJ	
trans- 1,2-dichloroethene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
tert-Butyl Methyl Ether	µg/L													0.50 U	0.50 U		0.50 UJ	
1,1-dichloroethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
cis- 1,2-dichloroethene	µg/L	5.00	5.00	0.40 J Q	0.40 J Q	0.40 J Q	0.40 J Q	0.40 J Q	0.40 J Q	0.40 J	0.40 J	0.40 J	0.30 J	0.34 J	0.55	0.50 U	0.22 J	
2- butanone	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.40 J Q	0.50 J	1.00 U	0.40 J	2.10	5.00 U	5.0 U	1.00 U	5.0 UJ	
Bromochloromethane	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
chloroform	µg/L	7.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,1,1-trichloroethane	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	0.20 J Q	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.17 J	0.51	0.50 U	0.50 UJ	
Cyclohexane	µg/L													0.50 U	0.50 U		0.50 U	
carbon tetrachloride	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 UJ	
benzene	µg/L	0.70	0.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dichloroethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.12 J	0.50 U	0.50 U	0.50 UJ	
trichloroethene	µg/L	5.00	5.00	1.90	1.90	1.80	2.60	1.70	2.70	2.10	2.10	2.20	2.90	2.40	5.4	2.90	3.1	
Methylcyclohexane	µg/L													0.50 U	0.50 U	0.50 U	0.50 U	
1,2-dichloropropane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromodichloromethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
cis 1,3-dichloropropene	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 UJ	0.50 U	0.50 U	0.50 U	
4-methyl-2-pentanone	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.0 U	5.0 U	1.00 U	5.0 UJ	
toluene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
trans-1,3-dichloropropene	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 UJ	0.50 U	0.50 U	0.50 U	
1,1,2-trichloroethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 UJ	0.50 U	0.50 U	0.50 U	
tetrachloroethene	µg/L	5.00	5.00	0.20 J Q	0.30 J Q	1.00 U	0.40 J Q	0.30 J Q	0.90 J Q	0.20 J	1.00 U	0.20 J	0.90 J	0.19 J	0.50	0.50 U	0.26 J	
2-hexanone	µg/L		10.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.0 U	1.00 U	5.0 U	
dibromochloromethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dibromoethane	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
chlorobenzene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
ethylbenzene	µg/L	5.00	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
xylene (total)	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
styrene	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
bromoform	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.55 UJ	0.50 U	0.50 U	0.50 U	
Isopropylbenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,1,2,2-tetrachloroethane	µg/L		5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,3-Dichlorobenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,4-Dichlorobenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dichlorobenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2-Dibromo-3-chloropropane	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2,4-Trichlorobenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
1,2,3-Trichlorobenzene	µg/L			1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.50 U	0.50 U	0.50 U	0.50 U	
pH	su	6.5 to 8.5																

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
QM: presence of material verified but not quantified

Table B-2:
Claremont Polychemical Superfund Site
Treated System Effluent from Effluent Storage Tank - SVOCs - June 15, 2001 to October 30, 2002

Analyte Date Analyzed	units	MDL	CRQL	CPC-00-PW- 0009-041 11/6/02	CPC-00-PW- 0009-045 12/4/02	CPC-00-PW- 0009-053 1/29/03	CPC-00-PW- 0009-054 2/6/03	CPC-00-PW- 0009-58 3/10/03	CPC-00-PW- 0009-60 3/20/03	CPC-00-PW- 0009-64 4/25/03	CPC-00-PW- 0009-65 5/15/03	CPC-00-PW- 0009-66 6/25/03	CPC-00-PW- 0009-067 7/24/03	CPC-00-PW- 0009-068 8/29/03	CPC-00-PW- 0009-069 9/17/03	CPC-00-PW- 0009-070 10/3/03
SVOCs																
benzaldehyde	µg/L			5.0 U	5.0 U	5.0 UJ	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
phenol	µg/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
bis(2-chloroethyl)ether	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2-chlorophenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2-methylphenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,2'-oxybis(1-chloropropane)	ug/L			5.0 U	5.0 UJ	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
acetophenone	µg/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
4-methylphenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
N-nitroso-di-n-propylamine	ug/L			5.0 UJ	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
hexachloroethane	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
nitrobenzene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
isophorone	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2-nitrophenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4-dimethylphenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
bis(2-chloroethoxy) methane	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4-dichlorophenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
naphthalene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
4-chloroaniline	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
hexachlorobutadiene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
caprolactam	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
4-chloro-3-methylphenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2-methylnaphthalene	ug/L			5.0 U	5.0 UJ	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
hexachlorocyclopentadiene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4,6-trichlorophenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4,5-trichlorophenol	ug/L			20.0 U	20.0 U	20.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	20 U	20 U	4.0 U	20 U	
1,1'-biphenyl	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
2-chloronaphthalene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2-nitroaniline	ug/L			20.0 U	20.0 U	20.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	20 U	20 UJ	4.0 U	20 U	
dimethylphthalate	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
2,6-dinitrotoluene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
acenaphthylene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
3-nitroaniline	ug/L			20.0 U	20.0 U	20.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	20 U	20 UJ	4.0 U	20 U	
acenaphthene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4-dinitrophenol	ug/L			20.0 U	20.0 U	20.0 U	19.0 U	89.0 U	20.0 U	19.0 U	19.0 U	20 U	20 U	20 U	20 U	
4-nitrophenol	ug/L			20.0 U	20.0 U	20.0 U	10.0 U	18.0 U	4.0 U	4.0 U	4.0 U	20 U	20 U	4.0 U	20 U	
dibenzofuran	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
2,4-dinitrotoluene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
diethylphthalate	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
fluorene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
4-chlorophenyl-phenylether	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
4-nitroaniline	ug/L			20.0 U	20.0 U	20.0 UJ	4.0 U	18.0 U	4.0 U	10.0 U	10.0 U	20 U	20 UJ	4.0 U	20 U	
4,6-dinitro-2-methylphenol	ug/L			20.0 UJ	20.0 UJ	20.0 U	10.0 U	44.0 U	10.0 U	10.0 U	10.0 U	20 U	20 U	10.0 U	20 U	
N-nitrosodiphenylamine	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
1,2,4,5-tetrachlorobenzene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
4-bromophenyl-phenylether	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
hexachlorobenzene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
atrazine	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	10.0 U	10.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
pentachlorophenol	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
phenanthrene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
anthracene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
di-n-butylphthalate	µg/L	50.00	50.00	5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
fluoranthene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
pyrene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
butylbenzylphthalate	ug/L			5.0 U	5.0 UJ	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 UJ	
3,3'-dichlorobenzidine	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 UJ	10.0 U	5.0 U	
benzo(a)anthracene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
chrysene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	4.0 U	5.0 U	
bis (2-ethylhexyl)phthalate	µg/L	5.00	10.00	5.0 U	5.0 UJ	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	7.8	5.0 U	4.0 U	5.0 J	
di-n-octylphthalate	ug/L			5.0 U	5.0 UJ	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 U	5.0 UJ	4.0 U	5.0 UJ	
benzo(b)fluoranthene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	
benzo(k)fluoranthene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	
benzo(a)pyrene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	
Indeno(1,2,3-cd) pyrene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	
dibenzo (a,h)anthracene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	
benzo(g,h,i)perylene	ug/L			5.0 U	5.0 U	5.0 U	4.0 U	18.0 U	4.0 U	4.0 U	4.0 U	5.0 UJ	5.0 U	4.0 U	5.0 U	

boldface: lab analysis positive detection

U: not detected

J: estimated

Table B-3:
Claremont Polychemical Superfund Site
Treated System Discharge from Effluent Storage Tank - Metals - June 15, 2001-October 30, 2002

Analyte	units	IDL	CRQL	CPC-00-PW-0009-041	CPC-00-PW-0009-045	CPC-00-PW-009-053	CPC-00-PW-009-054	CPC-00-PW-009-058	CPC-00-PW-009-064	CPC-00-PW-009-065	CPC-00-PW-009-066	CPC-00-PW-009-067	CPC-00-PW-009-068	CPC-00-PW-009-069
Date Analyzed				11/6/02	12/4/02	1/29/03	2/6/03	3/10/03	4/25/03	5/15/03	6/25/03	7/28/03	8/29/03	9/17/03
metals														
Al (aluminum)	µg/L	57	200.00		15.40 B	10.10 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 U	200.00 UR
Sb (antimony)	µg/L	1.2	60.00		3.50 U	3.50 U	60.00 U	60.00 U	14.00 U	14.00 U	5.50 J	60.00 U	60.00 U	60.00 UR
As (arsenic)	µg/L	3	10.00		2.90 U	3.00 BJ	10.00 U	10.00 U	8.00 U	8.00 U	15.00 U	15.00 U	15.00 U	15.00 UR
Ba (barium)	µg/L	0.3	200.00		73.50 B	81.70 B	200.00 U	200.00 U	74.00	67.00	76.10 J	80.40 J	200.00 U	69.80 J
Be (beryllium)	µg/L	0.2	5.00		0.12 B	1.10 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UR
Cd (cadmium)	µg/L	0.3	5.00		0.40 U	0.50 U	5.00 U	5.00 U	4.00 U	4.00 U	5.00 U	5.00 U		0.35 J
Ca (calcium)	µg/L	15	5000.00		26,000.00	24,400.00	25,000.00	26,000.00	22,000.00	20,000.00	23,600.00 J	21,800.00	5.00 U	21,200.00 J
Cr (chromium)	µg/L	0.8	10.00		0.90 U	0.64 B	10.00 U	10.00 U	6.00 U	6.00 U	10.00 U	10.00 U	10.00 U	10.00 UR
Co (cobalt)	µg/L	0.7	50.00		1.10 B	1.40 B	50.00 U	50.00 U	8.00 U	8.00 U	50.00 U	0.64 J	50.00 U	50.00 UR
Cu (copper)	µg/L	1.5	25.00		1.30 U	0.80 U	25.00 U	25.00 U	10.00 U	10.00 U	25.00 U	1.30 J	25.00 U	25.00 UR
Fe (iron)	µg/L	13	100.00		18.10 U	19.50 U	100.00 U	120.00 J QD	190.00	100.00 U	24.00 J	21.40 J	110.00	197.00 J
Pb (lead)	µg/L	1.2	3.00		2.30 U	1.50 U	3.00 U	3.00 U	7.00 U	7.00 U	10.00 U	10.00 U	10.00 U	10.00 UR
Mg (magnesium)	µg/L	12	5000.00		7,200.00	7,210.00	7,300.00	7,100.00	6,600.00	6,200.00	7,170.00 J	6,860.00	6,900.00	6,870.00 J
Mn (manganese)	µg/L	0.2	15.00		31.80	59.10 J	66.00	77.00	49.00	46.00	32.40 J	69.40	26.00	24.60 J
Hg (mercury)	µg/L	0.1	0.20		0.20 UR	0.10 UR	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		
Ni (nickel)	µg/L	1	40.00		4.70 B	4.00 B	40.00 U	40.00 U		5.00 U	2.60 J	2.10 J	40.00 U	2.80 J
K (potassium)	µg/L	40	5000.00		12,600.00 J	11,200.00 J	9,900.00	9,000.00	11,000.00	10,000.00	11,800.00 J	12,300.00 J	8,900.00	9,230.00 J
Se (selenium)	µg/L	3	5.00		3.00 U	2.20 U	5.00 U	5.00 U	7.00 U	7.00 U	35.00 U	35.00 U	35.00 U	35.00 UR
Ag (silver)	µg/L	0.8	10.00		1.10 UJ	0.80 UJ	10.00 U	10.00 U	6.00 U	6.00 U	10.00 U	10.00 U	10.00 U	10.00 UR
Na (sodium)	µg/L	304	5000.00		77,100.00 J	67,500.00 J	67,000.00	72,000.00	68,000.00	67,000.00	81,100.00 J	76,500.00	79,000.00	76,200.00 J
Tl (thallium)	µg/L	2.4	10.00		3.10 U	4.20 B	10.00 U	10.00 U	10.00 U	10.00 U	25.00 U	25.00 U	25.00 U	25.00 UR
V (vanadium)	µg/L	0.7	50.00		1.00 U	0.80 U	50.00 U	50.00 U	10.00 U	10.00 U	50.00 U	50.00 U	50.00 U	2.70 J
Zn (zinc)	µg/L	1.1	20.00		14.60 B	17.60 BJ	20.00 U	20.00 U	8.00 U	8.00 U	4.00 J	20.60 J	60.00 U	60.00 UR
WATER QUALITY														
pH	su			6.63	7.00									
dissolved oxygen	mg/L													
ORP	mV													
temperature	°C													
turbidity	NTU													
conductivity	MS/cm													
hexavalent chromium	mg/L													
TSS	mg/L													
TDS	mg/L													
TOC	mg/L													
chloride	mg/L													
fluoride	mg/L													
Nitrate/Nitrite	mg/L													
TKN	mg/L													
sulfate	mg/L													
Percent solids														

boldface: lab analysis positive detection
U: not detected
J: estimated
R: rejected
B: IDL < x < CRDL (ILM04.1)(equivalent to J)
D: quantified at dilution
NM: not measured
UJ: estimated not detected

Appendix C

Aquifer Recovery Monitoring Results



November 20, 2003

Mr. Bradley Vann
USACE Kansas City District
CENWK-EC-EE
Federal Building
601 East 12th St
Kansas City, MO 64106-2896

Re: Aquifer Recovery Monitoring Results -
Claremont Polychemical Superfund Site
Old Bethpage, NY

Dear Mr. Vann:

During May 2003 Science Applications International Corporation (SAIC) conducted aquifer recovery monitoring during a planned shutdown of the Groundwater Extraction and Treatment Facility at the Claremont Polychemical Superfund Site, Old Bethpage, NY. The objective of the monitoring was to collect aquifer recovery and drawdown data for determination of hydrogeologic characteristics in area of the groundwater extraction well field. The work was completed in general accordance with the scope of work described in SAIC's memo dated April 29, 2003, and in accordance with the site specific Sampling and Analysis Plan (SAP) and Health and Safety Plan (HASP). Changes to the proposed scope of work necessary due to field conditions encountered during the testing are described in this report. In addition to the recovery monitoring, SAIC monitored aquifer drawdown in response to the subsequent restart of the groundwater extraction system.

Wells monitored during the test included EW-1, EW-2, EW-3, MW-8c and DW-2. Aquifer monitoring/data collection occurred from May 1-8, 2003. A description of the monitoring, presentation of the resultant data, and interpretation of the data are provided in the remainder of this letter report. The resultant time-drawdown data was analyzed using the formula $T = 264Q/\Delta s$, where T is transmissivity (gpd/ft), Q is discharge or pumping rate during the test (gpm), and Δs is the slope of the time-drawdown graph expressed as the change in drawdown between any one log cycle on the time-drawdown graph thought to be representative of the aquifer (F. G. Driscoll. 1986. Groundwater and Wells. Johnson Filtrations Systems Inc., St. Paul, Minnesota. Pg. 221). The resultant time-drawdown graphs, calculations of transmissivity values, and supporting photographs are provided in Attachment 1.

Extraction Well EW-1

SAIC attempted to install a pressure transducer into EW-1 to collect water level data. Due to the configuration of the pitless adapter and the pass through ports, the stainless steel pressure transducers proposed to be used for testing would not fit through the openings in the pitless adaptor (Pictures 1-4), and therefore could not be installed in the well. SAIC tried two different pressure transducers with different diameters and lengths and neither type would fit through the opening. As visible in the photographs, there is something below the opening that partially obstructs straight passage through the pitless adapter. After it was realized that the pressure transducers would not fit down EW-1, a Bristol chart recorder was set up to record aquifer response to the system shutdown and startup (Picture 5).

EW-1, similar to all of the extraction wells, is not metered separately and, therefore, the exact pumping rate prior to and following system shutdown could not be determined. Based on site operational experience, however, the estimated pumping rate at the time of testing was approximately 180 gallons per minute (gpm). The apparent drawdown within EW-1 prior to shutdown was approximately 7.34 feet. Response to pumping and shutdown was almost immediate within EW-1 and the resolution of the data recorded by the Bristol chart recorder was not adequate for generation of a time versus groundwater elevation recovery curve. Therefore no analysis was able to be conducted on the data collected from EW-1.

Extraction Well EW-2

The pitless adapter configuration of EW-2 is the same as EW-1 and therefore a pressure transducer could not be installed. A Bristol chart recorder was not installed within EW-2 so that hand measurements of groundwater elevation could be collected during the system restart. Similar to EW-1, the discharge from EW-2 is not metered separately and based on site operational experience was estimated to be approximately 150 gpm.

Continuous groundwater elevation hand measurements were collected at EW-2 for the first 75 minutes after the system was restarted. The groundwater elevation measurements were collected using an electronic water tape. The data was recorded onto a water level data sheet in the field. The water level data was entered into a spreadsheet and plotted as a time-drawdown graph (Figure 1). The maximum measured drawdown within EW-2 during the hand collection of water level data was 7.27 feet. As shown on Figure 1, the initial slope of the drawdown curve for the first 6 minutes following system startup was apparently affected by casing storage effects, whereas the slope of the drawdown line from 6 to approximately 55 minutes following system startup appears to be representative of the aquifer. The calculated slope of the portion of the plot representing the aquifer is 0.25 feet. Using the formula $T = 264Q/\Delta s$, where T is transmissivity, Q is discharge or pumping rate and Δs is drawdown, the calculated

transmissivity for EW-2 was calculated at 158,400 gallons per day per foot (gpd/ft) (Table 1).

Extraction Well EW-3

The pitless adapter configuration of EW-3 is the same as EW-1 and therefore a pressure transducer could not be installed. A Bristol chart recorder was set up to record aquifer response to the system shutdown and startup (Picture 6).

The apparent drawdown within EW-3 prior to shutdown was approximately 6.42 feet. EW-3 is not metered separately and was estimated based on historical site operational records to have a pumping rate of approximately 130 GPM. Response to pumping and shutdown was almost immediate within EW-3 and, similar to the results of EW-1, the resolution of the data recorded with the Bristol chart recorder was not suitable for interpretation of the resultant data. Therefore, no analysis was conducted on the data collected with the Bristol chart recorder from EW-3.

SAIC was provided with a copy of hand water level measurements from a well capacity test conducted by others than SAIC on February 18, 2000. Although this data was not collected as part of the current work scope, this data was interpreted in support of this aquifer characterization effort. The water level data collected from this previous 6-hour long well capacity test was entered into a spread sheet and plotted as a time-drawdown graph (Figure 2). The pumping rate of EW-3 during testing was recorded on the data sheet as 144 GPM. The maximum measured drawdown within EW-2 during testing was 7.04 feet. The initial slope of the curve on Figure 2 up to a time of 1 minute may represent casing storage effects and the second slope from 1 minute to the end of the test is most likely representative of the aquifer. The reasons for variations in the slope of the drawdown curve after approximately 120 minutes of testing can not be determined. The calculated slope of the portion of the plot representing the aquifer is 0.3 feet. Using the formula $T = 264Q/\Delta s$, the calculated transmissivity for EW-3 was calculated at 126,700 gallons per day per foot (gpd/ft) (Table 1).

Monitoring Well DW-2

A pressure transducer was installed in monitoring well DW-2 for collection of groundwater elevation data using a digital data logger (Pictures 7 and 8). The data logger was set to record water levels at intervals that were adequate to demonstrate the response of the aquifer to changes in pumping of the extraction wells during system shutdown and start up activities. The rate of data recording varied over the length of the test to enable accurate record of water level changes during times of greatest response of the aquifer. Data collected included background groundwater elevations under pumping conditions prior to system shut-down, groundwater elevation recovery following system shutdown, and groundwater elevation drawdown following system restart. Following the test, the recorded water level data was downloaded in the field to

a laptop computer. In addition to water levels as recorded from the pressure transducers, manual water level measurements were routinely collected by SAIC to confirm measurements from the data loggers.

The downloaded data was imported into a spread sheet and plotted as a time-drawdown graph (Figure 3). The maximum measured drawdown within DW-2 during the system restart monitoring was approximately 0.25 feet. Based on a calculated slope of 0.218 feet from the plot and using the formula $T = 264Q/\Delta s$, the calculated transmissivity for DW-2 using the system restart data was calculated at 181,700 gpd/ft (Table 1). On figure 3 at 60 minutes, the effects of shutting down extraction well EW-2 is evident on the plot. In addition to the system restart data, the recovery data was used to create a residual drawdown plot (Figure 4). Based on the calculated slope of 0.475 feet from the residual drawdown plot and using the formula $T = 264Q/\Delta s$, the calculated transmissivity for DW-2 using the residual drawdown plot was calculated at 83,400 gpd/ft (Table 1).

Monitoring Well MW-8c

A pressure transducer was installed in monitoring well MW-8c for collection of groundwater elevation data using a digital data logger (Pictures 9). The data logger was set to record water levels at intervals that were adequate to demonstrate the response of the aquifer to changes in pumping of the extraction wells during system shutdown and start up activities. The rate of data recording varied over the length of the test to enable accurate record of water level changes during times of greatest response of the aquifer. Data collected included background groundwater elevations under pumping conditions prior to system shut-down, groundwater elevation recovery following system shutdown, and groundwater elevation drawdown following system restart. Following the test, the recorded water level data was downloaded in the field to a laptop computer. In addition to water levels as recorded from the pressure transducers, manual water level measurements were routinely collected by SAIC to confirm measurements from the data loggers.

The downloaded data was imported into a spread sheet and plotted as a time-drawdown graph (Figure 5). The groundwater recovery data collected from MW-8c was plotted and analyzed, but was not used to calculate transmissivity values due to the data appearing to be irregular and not representative of aquifer conditions. The maximum measured drawdown within MW-8c during the system restart monitoring was approximately 0.21 feet. Based on a calculated slope of 0.18 feet from the plot and using the formula $T = 264Q/\Delta s$, the calculated transmissivity for MW-8c using the system restart data was calculated at 190,700 gpd/ft (Table 1). On figure 5 at approximately 60 minutes, the effects of shutting down extraction well EW-2 is evident on the plot.

Summary

SAIC collected water levels from extraction and monitoring wells during the system shutdown-recovery and system startup activities that occurred in May 2003. Analysis of the collected data resulted in calculated transmissivities for the site ranging from 83,368 gpd/ft (DW-2) to 190,700 gpd/ft (MW-8c), with an average transmissivity for the site of 114,000 gpd/ft (Table 1). Several potential causes of the variability of the calculated transmissivity values may be effects from partially penetrating wells and intersecting extraction well cones of drawdown. Overall, the range of the calculated transmissivities was small and the values appear to be realistic with what would be expected with the sand and gravel aquifer present underlying the site.

I trust that the presentation of the aquifer monitoring recovery results as presented in this letter report meet your needs and expectations. Feel free to contact the undersigned with questions or comments regarding this report.

Respectfully Submitted,

Richard C. Cronce, Ph.D.
Program Manager

Attachments:

Attachment 1

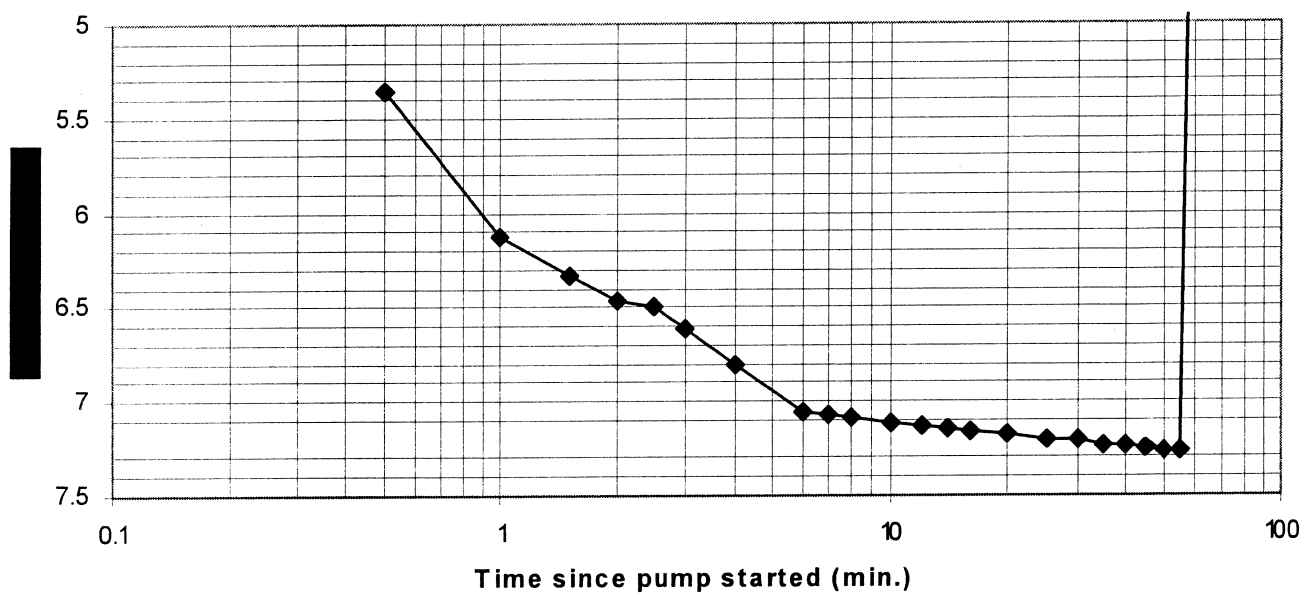
**Transmissivity Values Summary Table
Time-Drawdown Graphs
Photographs**

Table 1
Calculated Transmissivity
Aquifer Recovery Monitoring During Plant Shutdown
Claremont Polychemical Superfund Site
Old Bethpage, NY

Well	Graphical Analysis	Calculated Transmissivity (gpd/ft)	Average Calculated Transmissivity (gpd/ft)	Average Site Transmissivity (gpd/ft)
EW-2	time-drawdown	158,400	158,400	114, 000
EW-3	time-drawdown	126,700	126,700	
DW-2	time-drawdown	181,700	132600	
	residual drawdown	83,400		
MW-8c	time-drawdown	190,700	190,700	

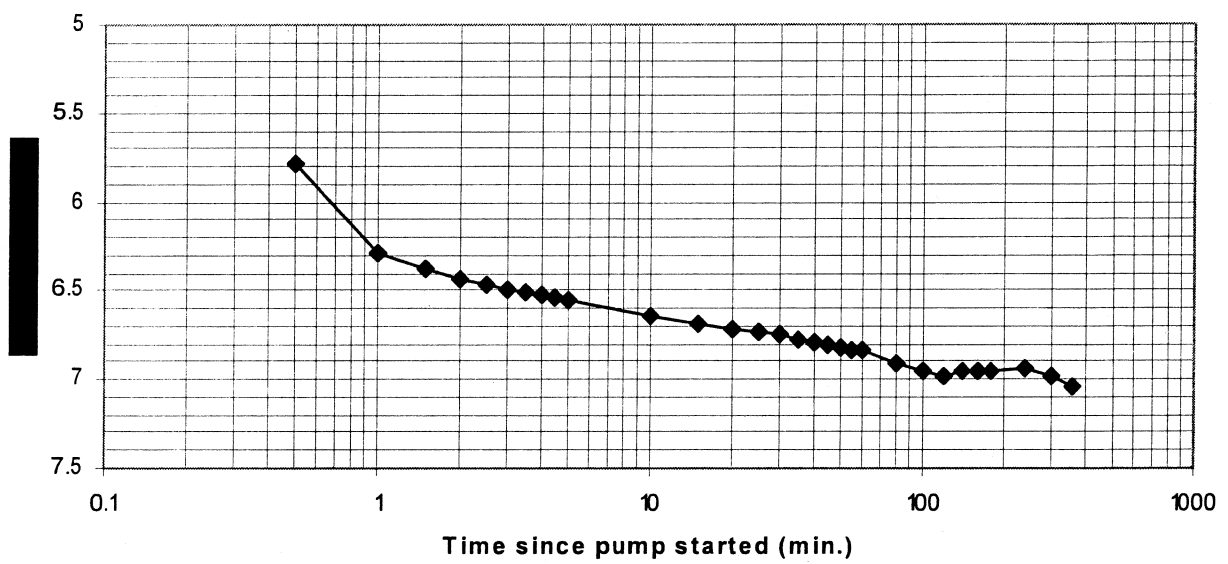
EW-2 (System re-start, May 8, 2003)
Claremont Polychemical Superfund Site

Figure1



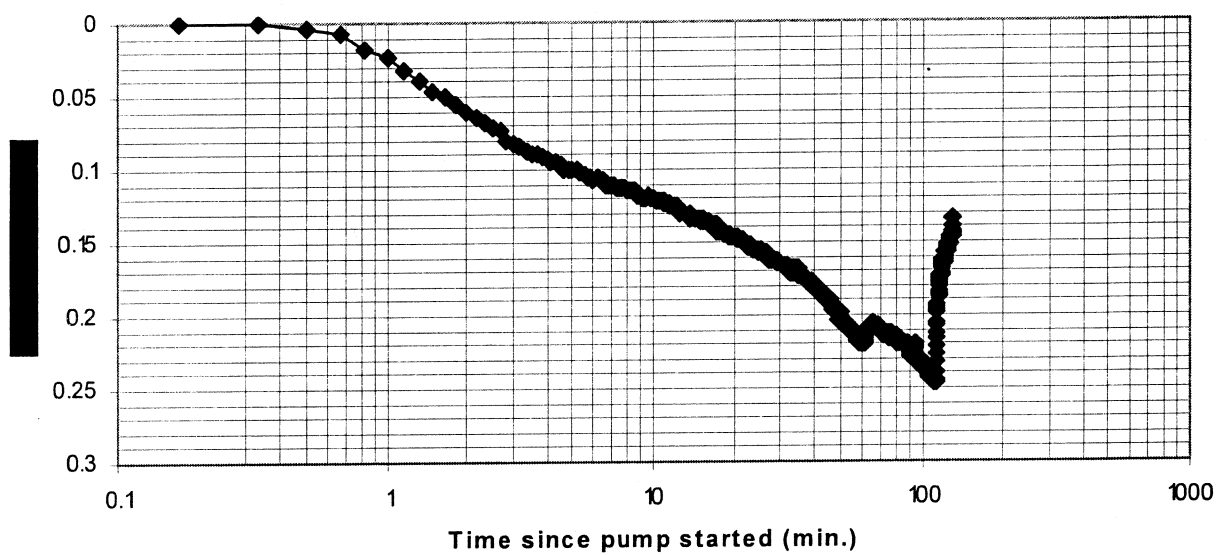
EW-3 (well capacity test 2-18-00)
Claremont Polychemical Superfund Site

Figure 2



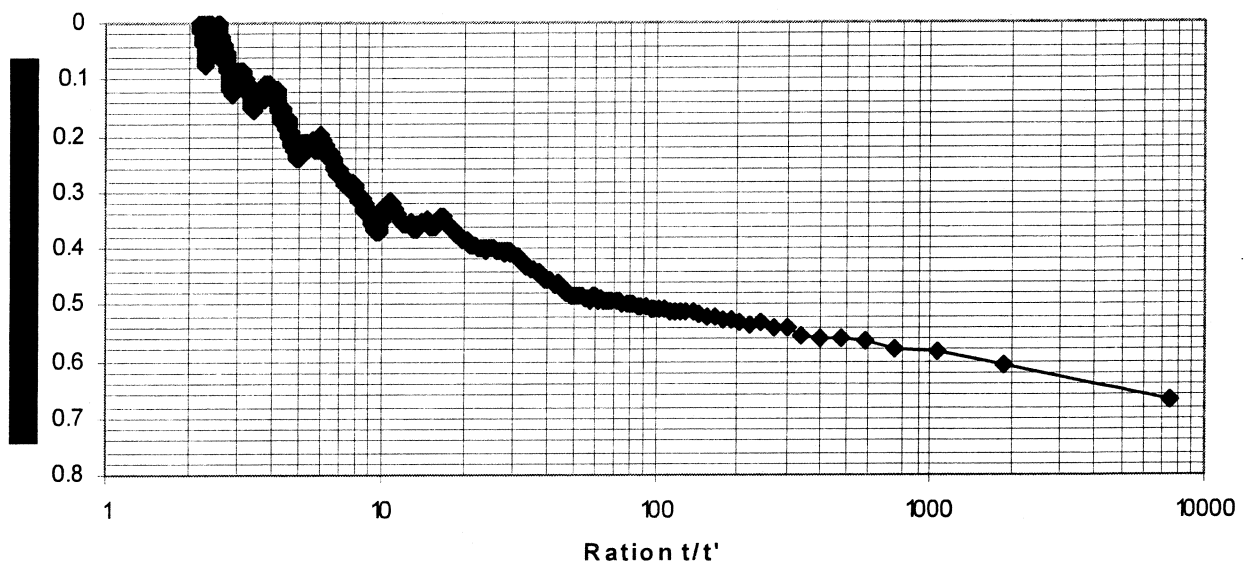
DW-2 Drawdown (pumping restart)
Claremont Polychemical Superfund Site

Figure 3



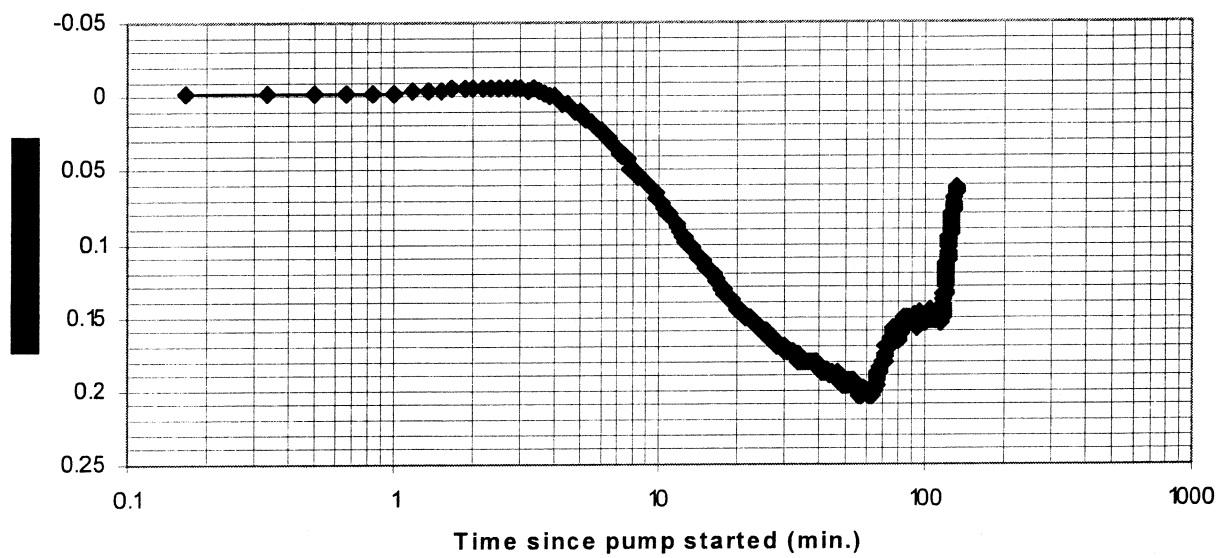
DW-2 Residual Drawdown
Claremont Polychemical Superfund Site

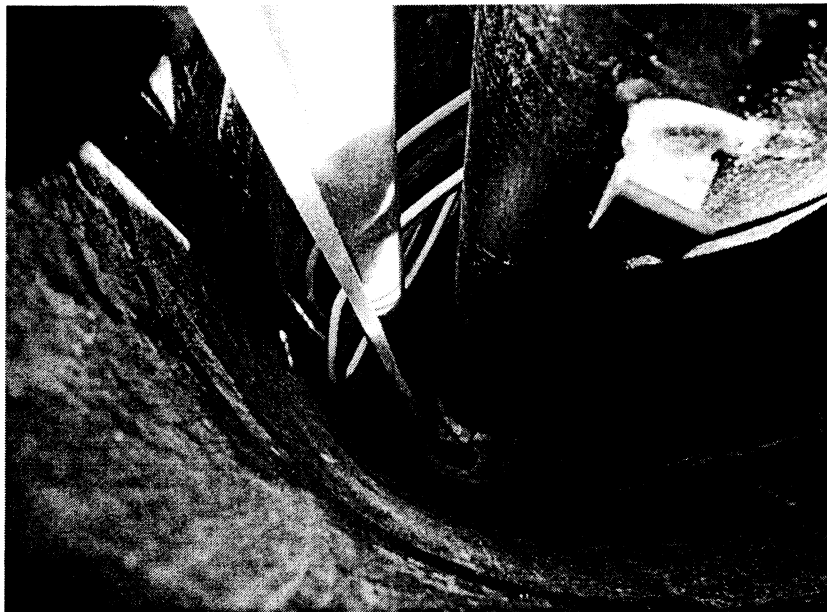
Figure 4



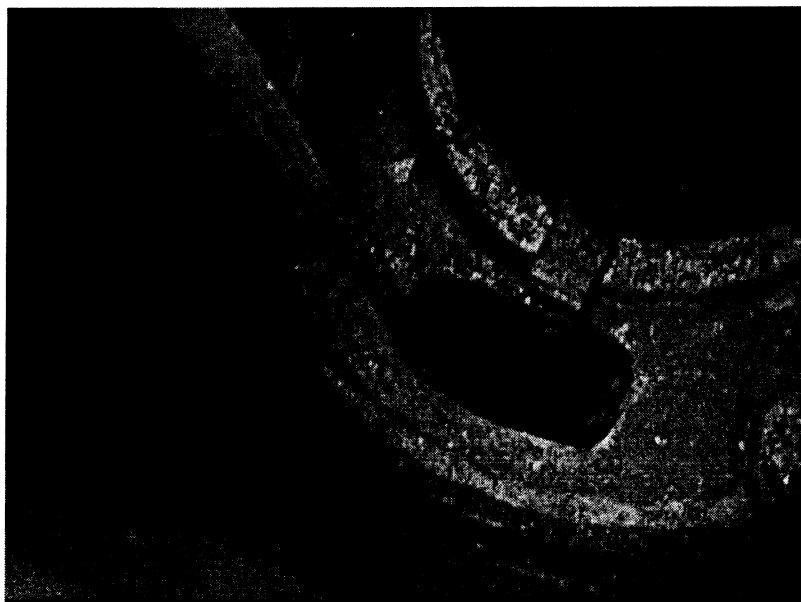
MW-8c Drawdown (pumping restart)
Claremont Polychemical Site

Figure 5





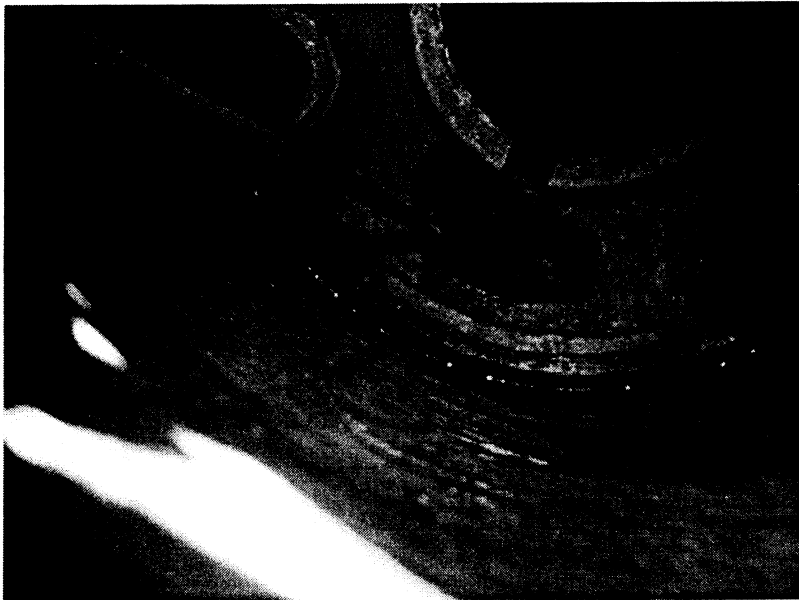
Picture 1



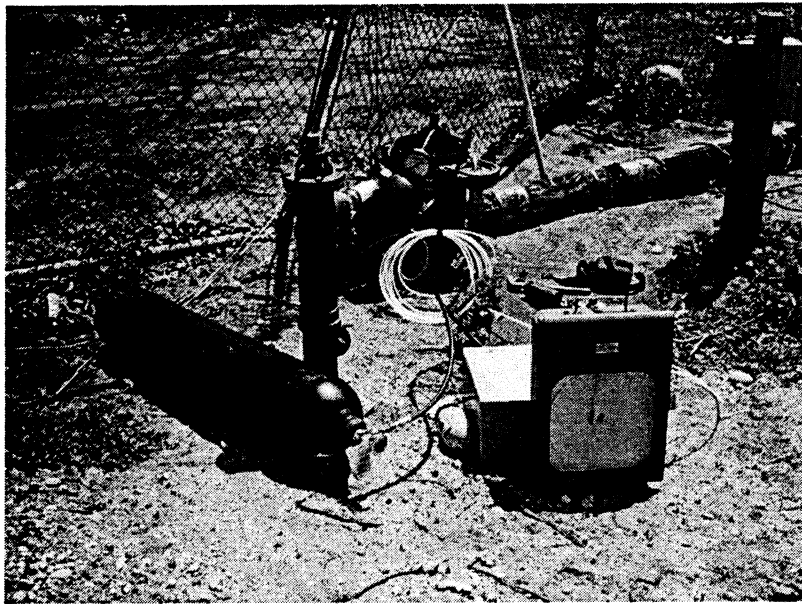
Picture 2



Picture 3



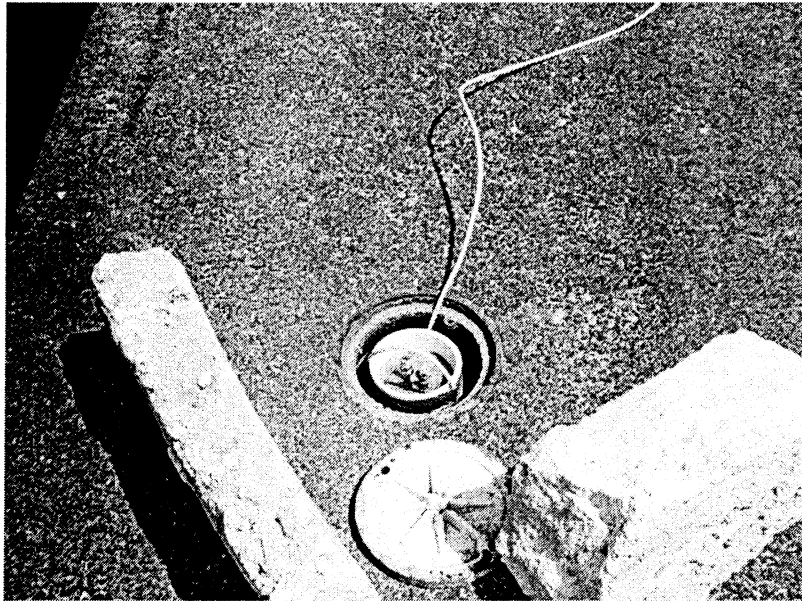
Picture 4



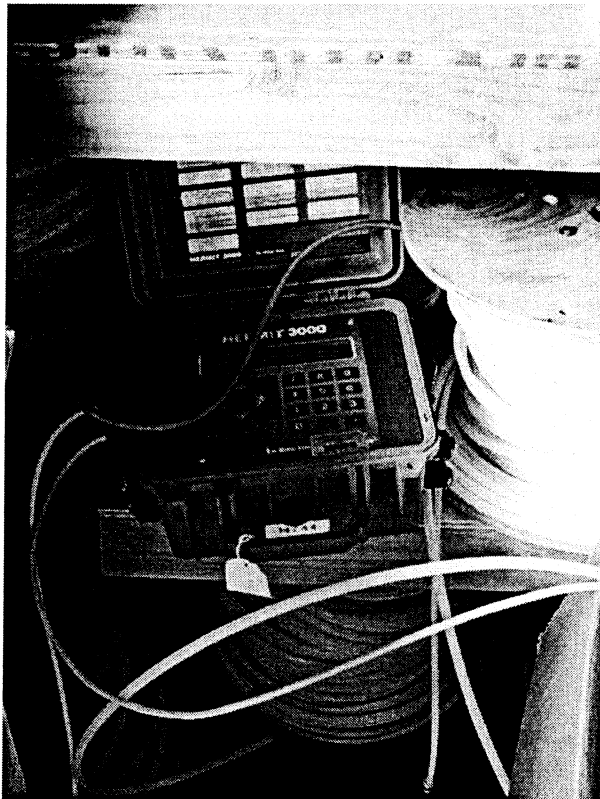
Picture 5



Picture 6



Picture 7



Picture 8



Picture 9