

DATA REPORT

December, 2001

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



Prepared For:

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List of Abbreviations and Acronyms

A-E	architect-engineer
As	arsenic
B	analyte detected in associated blank (data qualifier)
Ba	barium
CENWK-EC-EF	US Army Corps of Engineers Kansas City District Environmental Science Section
CDAP	chemical data acquisition plan
CPC	Claremont Polychemical Corp.
CPSS	Claremont Polychemical Superfund site
Cr	chromium (total)
Cr ⁺⁶	hexavalent chromium
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)
FIP	field investigation plan
FS	feasibility study
FSP	field sampling plan
IAG	interagency agreement
INJ	injection well (remediation system)
GM	historical monitoring well installed by a particular contractor
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
MEE	methane, ethane, ethene
Mn	manganese
MS	matrix spike
MSD	matrix spike duplicate
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
SAP	sampling and analysis plan
Sb	antimony
Se	selenium
STL	Severn-Trent Laboratory
SVOC	semivolatile organic compound
TAL	target analyte list
TB	trip blank
TCA	trichloroethane
TDS	total dissolved solids
TCE	trichloroethene
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

Data Report

1 Introduction

This report summarizes the analytical results of groundwater and process water sampling associated with long-term groundwater monitoring and treatment plant operations at the Claremont Polychemical Superfund Site, Old Bethpage, New York, for the period February 2000 through May 2001, and is based on data provided by the operations and maintenance contractor (URS (formerly Radian International)). Samples from 13 monitoring wells, 3 extraction wells, and various process locations were collected by URS and analyzed by Severn-Trent Laboratory (STL) in Shelton, CT. Analytical parameters included volatile organic compounds (VOC) and selected semivolatile organic compounds (SVOC), metals, and water quality parameters. However, all samples were not analyzed for all parameters.

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). The property has one large two-story building, covering approximately 35,000 square feet (the former processing plant) and a smaller water treatment building. The site lies approximately 800 feet east of the border between Nassau and Suffolk County and the site is accessed via Winding Road on the property's western border.

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, which is 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. Figure 2-1 shows the location of the site and all adjacent properties. The OBL site and Fireman's Training Center have groundwater extraction and treatment systems in operation. The golf course also has a number of pump/irrigation wells, which are used for watering their 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 and nearly 47,000 people are drawing water from private-use wells located within three miles of the site.

2.2 Environmental Investigation History

The Claremont Polychemical Corporation (Claremont) is a former manufacturer of pigments for plastics and inks, coated metal flakes, and vinyl stabilizers that operated from 1966 to

1980. During its operation, Claremont disposed of liquid waste in three leaching basins and deposited solid wastes and treatment sludges in drums or in old, aboveground metal tanks. The principal wastes generated were organic solvents, resins and wash wastes (mineral spirits).

In 1979, the Nassau County Department of Health (NCDH) found 2,000-3,000 drums of inks, resins, and organic solvents throughout the Site during a series of inspections. 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.

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

The 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 (OU1), excavation and treatment of contaminated soil by low temperature enhanced volatilization (LTEV) of the contaminants (OU3) 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 (OU4); treatment of off-property groundwater contamination by air stripping and carbon absorption (OU5), and decontamination of the on-site building by vacuuming and dusting the contaminated surfaces and by removing the asbestos insulation (OU6).

In September 1990, the EPA entered into an interagency agreement (IAG) with the US Army Corps of Engineers (USACE) to design the LTEV at OU3, the on-property groundwater treatment system (OU4), and perform the building decontamination (OU6). USACE completed the design work in February 1995. 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 OU6.

The soil excavation work (OU3) and building decontamination (OU6) 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 (PCE) contamination in the soil and groundwater beneath the building was revealed. 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 but to date has not occurred.

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 (OU4). 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 (OU5). 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 Woodward Clyde Corporation (URS) began the long-term response action (LTRA) services for this site at OU4 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 expires 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 Region II. Region II requires these services for nine years or until February 2010.

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 anthropologic water bodies are in the immediate area both up and down gradient. The nearest is a pond down gradient and adjacent to the Nassau County Firemen's Training Area.

The site topographically slopes upgradient to the north and northeast. Although, most of the site is relatively flat with elevations ranging between 128 to 134 feet above mean sea level (Ebasco, 1990). The Bethpage State Park and a golf course that borders the site on its' south and east portions lies topographically 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 is comprised of approximately 1,200 feet of unconsolidated Tertiary and Cretaceous System sand and silty-sand unconsolidated sediments of glacial, fluvial, and deltaic origin, which overlie Precambrian igneous and metamorphic bedrock (Rust 1992, and Ebasco, 1990). The bedrock contact is an unconformity or erosional contact, which represents a significant break in geological deposition and time. Historical investigations in the immediate area surrounding the Claremont site have encountered four main geologic units, which are in descending order as follows: approximately 20 feet of Upper Glacial/Manetto Gravel deposits (Tertiary System), approximately 750 feet of the Magothy Formation (Tertiary System), 150 feet of the Rarian Clay member (Upper Cretaceous Series), and approximately 250 feet of Loyd Sand member (Upper Cretaceous Series) (Ebasco, 1990).

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 overly the Magothy Formation in a sporadic pattern across the north and east portions of the site and when present measure approximately 2 to 6 feet in thickness. 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/extraction well installations to a maximum depth of 250 feet below ground surface 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

As stated previously, 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. 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).

Groundwater flow is generally to the south-southeast with historical gradients ranging from 0.001-0.002 ft/ft and horizontal flow velocities of 0.43 ft/day or 157 ft/yr (Ebasco, 1990). Hydraulic permeability (slug) tests performed during the RI calculated hydraulic conductivities ranging between 200 and 400 gdp/ft², which is significantly lower than historical data from actual pump tests. The horizontal flow velocity was historically calculated by using the 400 gdp/ft² value, doubling it to 800 gdp/ft², converting the units to ft/day, multiplying it times the 0.001 ft/ft gradient, and dividing by an assumed porosity of 25 percent. The hydraulic conductivity was doubled to a more realistic value, which was based on pumping test data collected by Geraghty and Miller (1987) immediately downgradient in the Old Bethpage State Park. The value calculated by Geraghty and Miller during the 1987 study was slightly greater than 2500 gdp/ft², and significantly greater than site slug test data. The vertical component of flow was historically less than 0.5 ft/ft and lacked any consistency or pattern. It was thus determined to be insignificant with respect to contaminant movement (Ebasco, 1990). Recent groundwater data appears to support this assumption as indicated by the minimal variation in water levels recorded between February 2000 and May 2001 from five sets of clustered monitoring wells at the Claremont site (Tables 3-1 through 3-5).

Currently, the direction of groundwater flow from the western portion of the site is to the east, south and southeast and reverses on the eastern and southeastern portions of the site. The gradient is approximately 0.024 ft/ft as measured between monitoring wells SW-1 and SW-2 over a distance of approximately 500 ft. The semi-radial component of flow and steep gradient are indicative of the groundwater extraction system's capture zone (Figures 3-1 and 3-2). However, groundwater levels are currently recorded from five sets of clustered monitoring wells (Tables 3-1 through 3-5) or 13 data points in and around the source area. Hence, the capture zone is not realistically defined as it tends to center around monitoring well cluster SW-2/DW-2 instead of the three extraction wells slightly to the southeast.

3.5 Monitoring Wells

As previously mentioned, the site is currently sampling groundwater from 13 monitoring well located within the contaminant plume (Table 3-6). All monitoring wells were constructed of 4" diameter, 80-schedule PVC with 0.020" size slotted screens ranging from five to ten feet in length with the exception of EW-4A, which has a fifteen foot screen. The wells are screened within the unconfined aquifer across three intervals, which are hydraulically connected. Monitoring wells EW-1A, EW-2A, EW-4A, SW-1 and SW-2 are screened within the shallow interval, monitoring wells EW-1B, EW-2B, EW-4B, DW-1 and DW-2 are screened within the intermediate interval, and monitoring wells EW-1C, EW-2C, EW-4C, and EW-5 are screened within the deep interval (note: according to the sampling records, a quarterly water level is not recorded from monitoring well EW-5 but it is sampled for chemical analysis and SW-2 is not sampled for chemical analysis but does record a quarterly water level). Rationale for sampling these wells originated in the Phase II Remedial Design Sampling and Analysis Plan Addendum (Radian, 1999) and was carried forward into the O&M startup to observe the source area's response to system initiation and full-scale operation.

4 Groundwater Monitoring Analytical Results and Discussion

Groundwater monitoring samples were collected from the 13 monitoring wells located on the Claremont Polychemical site property (Fig. 3-1 and 3-2). Existing offsite wells were not sampled.

This report includes only the long-term groundwater monitoring data received by November 2001. Analytical data for groundwater monitoring well samples was provided in packages for 5 "rounds", comprising 4 sampling episodes, May and June 2000, September 2000, February 2001, and May 2001. It is not known whether this data set included packages for all sampling conducted to date. No data was received for any sampling episodes that may have been conducted after May 2001. Any additional data will be included in a future report.

Samples for long-term groundwater monitoring were analyzed for VOC and selected metals only. Data per well are summarized in Tables 4-1 to 4-13. Number of samples, detections, and detected concentration ranges are summarized per well cluster in Tables 4-14 to 4-18. All tables include available historical data for the long-term groundwater monitoring analytes from investigations by CA Rich Consultants (1986) and Ebasco (1990).

Concentration plots for analytes which were detected with sufficient frequency for graphical presentation are shown in Figures 4-1 to 4-12 (PCE, TCE). These figures were prepared using Surfer® version 7 (Golden Software, Inc., 1999).

4.1 Data-Related Issues

4.1.1 Data Gaps

Although it was known during the remedial investigation (RI) that the contaminant plume had migrated offsite to the southeast (Ebasco, 1990) and there are down- and sidegradient monitoring wells offsite, these wells were not sampled. The rationale for sampling only onsite monitoring wells and excluding offsite wells is not known. Without down- and sidegradient data for control, the usefulness and the interpretation of the site data are limited. As a result, analyte distribution in Figures 4-1 to 4-12 is undoubtedly distorted due to lack of measured data points outside the property boundary. To provide better contaminant distribution data, it is recommended that appropriate offsite monitoring wells be selected and included in future groundwater sampling episodes.

Analytical samples were not collected from site well SW-2. The rationale for excluding this well is not known.

The data packages did not include any field or laboratory water quality parameters. Field indicator parameters measured during well purging and additional field and laboratory water quality parameters may be useful in evaluating the progress of site remediation, and should therefore be included in future monitoring well sampling episodes.

4.1.2 Analyte Selection

The rationale for the specific inorganic analytes included in long-term groundwater monitoring is not clear. The eight metals analyzed are arsenic (As), barium (Ba), hexavalent chromium (Cr^{+6}), iron (Fe), manganese (Mn), lead (Pb), antimony (Sb), and selenium (Se). This list does not correspond to the site record of decision (ROD) or any frequently-analyzed suite of metals (e.g., “RCRA 8”, “priority pollutant”, TAL). The site ROD only identified 4 metals (As, Cr, Pb, and Mn) as exceeding federal or state standards, and of these, indicated that Cr and Pb were also detected at concentrations greater than maximum contaminant levels (MCL) in upgradient wells (USEPA, 1990a).

It is not clear why hexavalent chromium (Cr^{+6}) was analyzed rather than total Cr since there are no historical data for Cr^{+6} , and historical site documents indicate that total chromium (Cr) may be elevated (CA Rich, 1986; Ebasco, 1990; USEPA, 1990a). It is not clear why Ba, Sb, and Se were included since these are not historical metals of concern. It is assumed that Fe and Mn were analyzed because these metals are known to occur in site groundwater at high concentrations that can interfere with treatment plant operations if not removed (Ebasco, 1990).

4.1.3 Sample Designation System

The alphanumeric sample designation system used in the data packages did not allow samples from different sampling points (e.g., process, extraction well, and monitoring well)

to be distinguished at a glance, and did not correspond to historical usage for some sampling points (e.g., monitoring wells). Also, sample designations for samples from the same sampling point proved to be inconsistent among the data packages. In order to ensure consistency and comparability in data reporting and to facilitate data usability, the sample designation system needs to be revised. Historical monitoring well designations need to be used without alteration for samples from monitoring wells. Extraction wells need to be identified with an “EXT-“ prefix to distinguish them from historical monitoring wells having an “EW-“ prefix. Also, the “A, B, C” designations for extraction wells need to be referenced to specific wells and always used for the same well.

4.1.4 Laboratory Data Packages

4.1.4.1 General

Content and format of the data packages was not consistent and varied from package to package. The contract laboratory should be provided with a list of required elements and instructed to provide data packages that are consistent in content and format.

The data packages were not provided in electronic format. Electronic submittals in an appropriate format should be required for future data deliverables.

The data packages did not include any laboratory quality control (QC) data for method blanks, laboratory control samples (LCS), matrix spike and matrix spike duplicates (MS/MSD), surrogate recoveries (when applicable), and other method- and batch-required QC which are necessary for assessment of laboratory performance and the evaluation of the quality and usability of the sample data. Due to the lack of laboratory QC data, data included in this report could not be properly evaluated and a quality control summary report (QCSR) could not be prepared. In particular, data for common organic laboratory contaminants (e.g., acetone, methylene chloride, 2-butanone, phthalate esters) and any metals with a “B” qualifier may be artifacts of blank contamination and not actual positive detections. These data could not be evaluated without laboratory QC results. To evaluate laboratory performance and the quality and usability of the sample data, future data packages must include laboratory QC data.

The data packages did not include any results from quality assurance (QA) replicate samples. QA samples are analyzed by an independent laboratory to evaluate the performance of the contract laboratory and the reliability of the primary data set. QA sampling was not described in the site O&M manual, and it is not known whether such sampling was a site requirement. Future sampling needs to include QA samples. However, QA sampling needs to be included in the future as a further check on the performance of the contract laboratory,

4.1.4.2 Specific

4.1.4.2.1 May and June 2000

Data for May and June 2000 was received in 2 packages (rounds 14 and 16). All monitoring wells except the EW-2 cluster were sampled in May 2000 and reported in Round 14. The initial evaluation was that the data for the EW-2 cluster was missing. The EW-2 cluster was not sampled until June 2000 and reported in Round 16. Since no rationale was provided, it is not clear why the EW-2 cluster was sampled a month later than the other monitoring wells.

Additional data deficiencies and problems include the following:

- Hexavalent chromium (Cr^{+6}) data is missing for samples collected on 5/24/00 (EW-4B, EW-4B dup, EW-4C, DW-2, EW-5).
- Cooler temperature measured at the laboratory for the samples collected on 5/24/00 was unacceptably high (15 °C). The laboratory reports in its case narrative that it followed proper procedure and contacted the contractor, but was told to analyze the samples anyway. The affected samples are EW-4B, EW-4B dup, EW-4C, DW-2, EW-5. An “R” qualifier (rejected) is applied to these data.
- The laboratory receipt temperature for samples collected on 6/7/00 was also high (6 °C) but within an acceptable range of 6-9 °C. Affected samples are EW-2A, EW-2B, EW-2C. These data are qualified “J” (estimated).

4.1.4.2.2 September 2000

Data for September 2000 was received in 1 package (round 31). In addition to general problems noted in sec. 4.1.4.1, data deficiencies and problems for this package include the following:

- Cooler temperature measured at the laboratory for the samples collected on 9/13/00 was unacceptably high (10 °C). The affected samples are SW-1, DW-1, DW-2, and EW-5. An “R” qualifier is assigned to these data.
- Cooler temperature measured at the laboratory for the samples collected on 9/13/00 was unacceptably high (20 °C). The affected samples are EW-4A, EW-4B, and EW-4C. An “R” qualifier is assigned to these data.
- The laboratory reports in its case narrative that it reported the high temperatures and was told to analyze the samples anyway.

4.1.4.2.3 February 2001

Data for February 2000 was received in 1 package (round 50). In addition to general problems noted in sec. 4.1.4.1, data deficiencies and problems for this package include the following:

- No trip blank was included with VOC samples collected on 2/12/01. Affected samples are EW-1A, EW-1B, EW-1C. Therefore, these samples could not be evaluated for field blank contamination. Trip blanks included with most other sample deliveries have contained low levels of VOC contamination.
- The data package for this round did not include VOC results for sample EW-1B, although the sample was reported as received by the laboratory.

4.1.4.2.4 May 2001

Data for May 2001 was received in 1 package (round 65). In addition to general problems noted in sec. 4.1.4.1, data deficiencies and problems for this package include the following:

- No trip blank was included with VOC samples collected on 5/29/01. Affected samples are SW-1, DW-1, DW-2, EW-5. Therefore, these samples could not be evaluated for field blank contamination.
- Cooler temperature measured at the laboratory for the samples collected on 5/30/00 was high (7.5 °C) but within an acceptable range of 6-9 °C. Affected samples are EW-2A, EW-2B, and EW-2C. A “J” qualifier is assigned to these data.

4.2 Contaminant Distribution and Magnitude

Data presentation and discussion are limited by the fact that only monitoring wells located on the Claremont Polychemical property were sampled during long-term groundwater monitoring. Additional wells exist offsite which could be used to provide additional information on contaminant distribution and magnitude and hydrogeology. It is recommended that appropriate offsite wells be selected and included in future sampling episodes.

Historical and current maximum detections and corresponding monitoring wells are listed in Table 4-19 for record-of-decision (ROD) VOC and metals (US EPA, 1990a), and the additional metals included in long-term groundwater monitoring. ROD VOC include tetrachloroethene (PCE), trichloroethene (TCE), trans-1,2-dichloroethene (DCE), vinyl chloride, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethane (1,1-DCA), benzene, ethylbenzene, xylene, methylene chloride, and acetone. Methylene chloride and acetone are common laboratory contaminants, and are not discussed further.

4.2.1 PCE

Tetrachloroethene (PCE) is an analyte listed in the ROD (USEPA, 1990a). PCE can be an initial release to the environment.

PCE distribution from shallow, intermediate, and deep level monitoring wells are shown for May 2000 in Figures 4-1, 4-3, and 4-5 and for May 2001 in Figures 4-2, 4-4, and 4-6.

The highest historical detection of PCE in a monitoring well was 1300 µg/L in SW-1 (Table 4-19). The highest concentrations of PCE detected during 4 episodes of long-term groundwater monitoring were all in samples from SW-1 and ranged from 840 µg/L in May 2000 to 4,500 µg/L in May 2001 (Table 4-10). The highest concentrations of PCE in the intermediate and deep level monitoring wells are in the vicinity of EW-2 and EW-4 (Figures 4-3, 4-4, 4-5, 4-6). The data indicate that highest PCE concentrations in monitoring wells are in samples from the shallow depth, which is consistent with previous work (Ebasco, 1990; US EPA, 1990a).

4.2.2 TCE

Trichloroethene (TCE) is an analyte listed in the ROD (USEPA, 1990a). TCE can be an initial release to the environment, and also can be produced in the environment by reductive dechlorination of PCE.

TCE distribution from shallow, intermediate, and deep levels are shown for May 2000 in Figures 4-7, 4-9, and 4-11 and for May 2001 in Figures 4-8, 4-10, and 4-12.

The highest historical detection of TCE in a sample from a monitoring well was 260 µg/L in DW-1 (Table 4-19). The highest concentrations of TCE detected during 4 episodes of long-term groundwater monitoring were all in samples from EW-4C and ranged from 660 µg/L in May 2000 to 4,200 µg/L in February 2001 (Table 4-9).

Figures 4-7, 4-9, and 4-11 for May 2000 and Figures 4-8, 4-10, and 4-12 for May 2001 indicate that TCE concentrations in monitoring wells across the site increased with depth and proximity to EW-4.

4.2.3 1,2-DCE and Isomers

1,2-dichloroethene (DCE) is an analyte listed in the ROD (USEPA, 1990a). 1,2-DCE can be produced in the environment by degradation of TCE. Biologically-mediated reductive dechlorination of TCE will produce *cis*-1,2-DCE, while the *trans*- isomer is produced by abiotic reactions.

Historical concentrations of *trans* 1,2-DCE ranged from 0.4 µg/L to a maximum of 982.0 µg/L in SW-1 (Table 4-10). Concentrations of *trans* 1,2-DCE detected during 4 episodes of long-term groundwater monitoring ranged from 0.3 µg/L to a maximum of 16.0 µg/L in EW-2B in June 2000 (Table 4-5). *Cis*-1,2-DCE is not reported in historical data. Concentrations of *cis* 1,2-DCE detected during 4 episodes of long-term groundwater monitoring ranged from 0.3 µg/L to a maximum of 83.0 µg/L in EW-4A in September 2000 (Table 4-7).

Although historical data 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. During the 4 episodes of long-term groundwater monitoring, only 5 low, estimated concentrations of *trans* 1,2-DCE were detected in samples from site wells (Tables

4-1 to 4-13). *Cis* 1,2-DCE, however, has been detected at greater frequency and higher concentrations (Tables 4-1 to 4-13).

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. Labs analyzed and reported total 1,2-DCE, not the individual isomers. However, sometimes total 1,2-DCE was erroneously reported as *trans* 1,2-DCE due to transcription errors or poor record keeping (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.

Also, the isomer of 1,2-DCE present is significant in terms of intrinsic bioremediation. 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. Therefore, to evaluate the progress of intrinsic bioremediation on site, *cis* 1,2-DCE should be monitored.

The long-term groundwater monitoring data indicate that *cis*-1,2-DCE is the most prevalent isomer, indicating that some intrinsic bioremediation is occurring onsite. However, the amount of intrinsic biodegradation is not proportional to the amounts of TCE and PCE, and will not significantly aid site remediation.

4.2.4 Vinyl Chloride

Vinyl chloride is an analyte listed in the ROD (USEPA, 1990a), and is produced in the environment by reductive dechlorination of 1,2-DCE. Historical detections of vinyl chloride were all in samples from SW-1, with concentrations ranging 1.0 – 12.0 µg/L (Table 4-10). Vinyl chloride was not detected in any samples during current long-term groundwater monitoring.

Current site conditions may not be favorable to formation of vinyl chloride. Another possibility is sampling-induced error. No information on sampling method was received. If a poor sampling method was used (e.g., bailers), any vinyl chloride in the groundwater may have partitioned into the atmosphere. Vinyl chloride has a very high Henry's law coefficient and is extremely fugitive.

4.2.5 1,1,1-trichloroethane and 1,1-dichloroethane

1,1,1-trichloroethane (1,1,1-TCA) and its degradation product 1,1-dichloroethane (DCA) are analytes listed in the ROD (USEPA, 1990a).

Historical concentrations of 1,1,1-TCA ranged from 1.0 µg/L to a maximum of 100.0 µg/L in DW-1 (Table 4-11). Concentrations of 1,1,1-TCA detected during 4 episodes of long-term groundwater monitoring ranged from 0.4 µg/L to a maximum of 170.0 µg/L in EW-2C in May 2001 (Table 4-6).

Historical concentrations of 1,1-DCA ranged from 0.2 µg/L to a maximum of 8.0 µg/L in EW-1A (Table 4-1). Concentrations of 1,1-DCA detected during 4 episodes of long-term groundwater monitoring ranged from 0.6 µg/L to a maximum of 17.0 µg/L in EW-2C in May 2001 (Table 4-6).

4.2.6 Benzene, Ethylbenzene, and Total Xylenes

Benzene, ethylbenzene, and xylene are analytes listed in the ROD (USEPA, 1990a). Historical concentrations of benzene ranged from 0.4 µg/L to a maximum of 60.0 µg/L in DW-1 (Table 4-11). Historical concentrations of ethylbenzene ranged from 0.3 µg/L to a maximum of 1.0 µg/L in DW-1 (Table 4-11). Historical concentrations of xylene ranged from 1.0 µg/L to a maximum of 2.0 µg/L in EW-4A (Table 4-7).

Benzene, ethylbenzene, and xylene were not detected in samples from onsite monitoring wells during current long-term groundwater monitoring.

4.2.7 Metals

Arsenic, chromium, manganese, and lead were identified in the ROD as exceeding federal or state standards (USEPA, 1990a). However, it was also indicated that Cr and Pb were detected at concentrations greater than maximum contaminant levels (MCL) in upgradient wells (USEPA, 1990a). The eight metals included as long-term groundwater monitoring analytes are arsenic (As), barium (Ba), hexavalent chromium (Cr⁺⁶), iron (Fe), manganese (Mn), lead (Pb), antimony (Sb), and selenium (Se). Of these, Cr⁺⁶ was not detected in any samples.

The lack of laboratory batch quality control data precludes evaluation or meaningful discussion of most metals data at this time. Many of the values listed in Tables 4-1 to 4-13 have associated “B” qualifiers, which indicate that associated laboratory blanks were contaminated with the analyte of interest. These B-qualified values may in fact be non-detects, depending on the magnitude of the blank contamination. Without the appropriate batch quality control data, B-qualified results cannot be evaluated.

All current reported As, Ba, Sb, Se detections are B-qualified (Tables 4-1 to 4-13). Two of 6 reported Pb detections were B-qualified. Unqualified Pb concentrations ranged from 5.2 to 33.2 µg/L in SW-1 September 2000 (Table 4-10).

40% of the reported Fe data were B-qualified. Unqualified Fe concentrations detected during 4 episodes of long-term groundwater monitoring ranged from 110 µg/L to a maximum of 28,700 µg/L in EW-4A in May 2001 (Table 4-7). Fe concentrations in EW-4A were

consistently high, with values in the range 23,700 - 28,700 µg/L reported during the 4 long-term groundwater monitoring episodes (Table 4-7).

No Mn data were B-qualified. Mn concentrations detected during 4 episodes of long-term groundwater monitoring ranged from 50.1 µg/L to a maximum of 1,500 µg/L in EW-4A in September 2000 (Table 4-7). Mn concentrations in EW-4A were consistently high, with values in the range 1,160 - 1,500 µg/L reported during the 4 long-term groundwater monitoring episodes (Table 4-7).

4.2.8 Water Quality

No water quality parameter data for monitoring well sampling was received, therefore, water quality cannot be evaluated at this time.

5 System Operation and Evaluation

5.1 System Description

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

The GWTS is designed to treat 500 gpm. The groundwater extraction system recovers contaminated groundwater from the Cretaceous Magothy Aquifer for on-site treatment. To achieve this objective, three extraction wells with pumps are provided. The extraction well pumps extract water from the wells and deliver to the flow equalization tank outside the plant.

The wastewater from the flow equalization tank is pumped to the two reaction tanks operating in parallel. The caustic is added to the wastewater before it enters the reaction tanks to raise pH before entering the plate clarifier. The water flows through the flocculation tank to provide the mixing time and also, because there is no bypass system directly to the clarifier. The small amount of sludge produced in the plate clarifiers is transferred to the sludge collection tank for disposal.

The potassium permanganate and polymer chemical feed systems have been provided, but are currently not in use. The process has iron and manganese concentration relatively close to the discharge permit requirements and therefore, the process has been modified to not use the two chemical feed systems.

The clarified water is then filtered in the downflow sand filter. The sand filter had been designed for upflow filtration, but was modified during construction to a downflow filter. The filter backwash water is taken to the recycle tank and then back to the flow equalization tank for reuse.

The filtered water is passed through the countercurrent packed tower air stripper to remove VOC from the wastewater stream. The wastewater gravity flows down the air stripper tower and the forced draft air stripper blower passes air counter current up through the air stripper thus transferring the contaminants from the liquid phase to the vapor phase.

The contaminated air is passed to the vapor phase granular activated carbon adsorbers to meet the volatile air emissions. 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 hydrochloric acid feed system is available for addition when the pH of the filtered water needs to be lowered. However, there is no acid feed point available on the treated wastewater discharge from the system to the treated water storage tanks.

The stripped wastewater is passed through liquid phase granular activated carbon adsorbers for removal of SVOC, and any residual VOCs. The treated effluent is discharged to the two treated water storage tanks before injection back into the four injection wells.

5.2 System Evaluation Performance

This section provides a discussion of the overall performance of the Groundwater Treatment System (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 4/14/1999. The Sampling and Analysis Matrix requires the 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 GWTS is designed to operate with the following unit processes:

Clarification with chemical feeds consisting of caustic, potassium permanganate, and polymer, upflow filtration, air stripping with pH adjustment using hydrochloric acid, liquid and gas phase carbon adsorption, reinjection of treated effluent from the system, and sludge handling and processing.

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 operations have resulted in reducing 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 164 million gallons per year. The two parallel trains together treat groundwater at a flow rate of approximately 450 gpm. The reasons for the difference in the treatment plant flow rate needs to be evaluated by URS, and corrective actions, if any, need to be implemented before the end of contract. The GWTS plant expects to achieve the contract annual volumetric requirement of 164 million gallons for groundwater treatment approximately three weeks ahead of scheduled contract date. The information on the amount of groundwater treated as of November 2001 is presented in Table 5-13.

5.2.3 Water Quality

The GWTS is designed on the basis of the following influent VOC concentration:

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

VOC concentration data for the influent water to the system was provided for the period February 25, 2000 to February 7, 2001. The concentrations of measured VOC contaminants, metals and various other water quality concentration data present in the influent groundwater, as shown in Table 5-1, indicate the presence of tetrachloroethene (PCE), trichloroethene (TCE), and *cis*-1,2-dichloroethene (*cis*-1,2-DCE).

Figure 5-2 shows the concentration of PCE, TCE, and *cis*-DCE, and Figure 5-3 shows the concentration of iron and manganese in the influent groundwater.

VOC concentration data for the treated effluent water from the system, shown in Table 5-9, was provided for the period February 25, 2000 to February 7, 2001. SVOC concentration data for the treated effluent water from the system, shown in Table 5-10, was provided for the period July 13, 2000 to April 18, 2001. Metals and various other water quality concentration data for the treated effluent water from the system, shown in Table 5-11, was provided for the period February 25, 2000 to April 18, 2001.

Figure 5-4 shows the concentration of PCE, TCE, and *cis*-DCE in the treated system effluent water. Figure 5-5 shows the concentration of iron and manganese in the treated system effluent water. The system and the operating data need to be further evaluated to determine whether the metals removal system can be eliminated or bypassed, and thereby reduce Operation and Maintenance costs.

The influent and effluent water as compared with the design concentrations is provided below for comparison.

	Concentration		
	Design	Influent	Effluent
PCE (max)	1,395 µg/L	900 µg/L	28.0 µg/L
(ave)	465 µg/L	633 µg/L	3.4 µg/L
TCE (max)	2,078 µg/L	730 µg/L	79.0 µg/L
(ave)	115 ug/L	514 µg/L	4.1 µg/L
<i>cis</i> -DCE (max)	1,047 µg/L	32 µg/L	5.0 µg/L
(ave)	350 µg/L	24 µg/L	4.2 µg/L
Iron (max)	8 mg/L	4.61 mg/L	131.00 mg/L
(ave)	4 mg/L	0.74 mg/L	6.64 mg/L
Manganese (max)	16 mg/L	0.57 mg/L	68.00 mg/L
(ave)	1 mg/L	0.49 mg/L	3.66 mg/L

All analytical samples were analyzed by STL, CT¹. The analytical data was provided to USACE in November 2001.

5.2.4 Data Evaluation

The review of the VOC and SVOC concentrations in the extracted groundwater and the treated system influent indicates the proper functioning of the GWTS. The functioning of the individual components of the system will need to be further evaluated to ensure optimal functioning of the overall system and thereby meeting the discharge standards.

The initial operating data, from 2/25/00 to 2/7/01, on treated effluent from the system identify possible concentration excursions for iron and manganese. These concentration excursions for iron and manganese did not meet the permit requirements. However, in absence of any QA/QC information, these excursions are difficult to verify. The analytical data for the treated water effluent discharged from the system after 2/7/01 will allow determination of whether the discharge permit requirements are still being met for iron and manganese.

The initial operating data, from 2/25/00 to 2/7/01, on treated effluent from the system does indicate possible concentration excursions for lead and selenium. However, these constituents seem to be consistently meeting the discharge permit requirements.

The data for pH of the treated effluent from the system was unavailable at the time of this report.

5.2.5 Data Deficiencies

Please refer to section 4.1 for information on data deficiencies. The plotted Figure 5-2 for the influent groundwater has several data gaps, including data not provided from 5/10/00 to 8/9/00. The missing data has been requested from the O&M Contractor, and will be incorporated in the next quarterly report.

Other influent and effluent parameters required to be monitored per the Sampling and Analysis Matrix for the GWTS in the Field Sampling Plan Addendum dated 4/14/1999 have been requested from the O&M Contractor, and will be incorporated in the next quarterly report.

5.2.6 Operational Problems

The formal and final monthly monitoring reports since the start of the system have yet to be provided by URS as of writing this report. However, oral discussions have resulted in obtaining a draft copy of the significant operational problems that have occurred at the GWTS plant during normal operation. The list of these operational problems, from February 2000 to December 2001, with the corrective actions implemented to alleviate the problems is attached as Table 5-12.

¹ Severn Trent Laboratories, 128 Long Hill Cross Road, Shelton, CT 06484 Ph: (203) 944-1319

The most cited problem relates to the proper functioning of the well flow meters at various locations on the system. Poor functioning of these flow meters could potentially lead to inaccurate evaluation of groundwater and plume capture. The overall impact may lead to erroneous delineation of plumes and analysis of capture zone through groundwater modeling. Replacement of existing flow meters with reliable instruments should be covered under the Operation and Maintenance Contractor's current contract.

The poor performance of the flow meters within the GWTS will provide erroneous readings of the quantity of groundwater treated, thereby leading to incorrect calculations of the amount of contaminants removed from the groundwater. The O&M contractor is reimbursed on the basis of the quantity of groundwater treated to remove the contaminants within the permit compliance.

The other two major problems cited in Table 5-12 are clogging of the sand filter leading to water overflowing from the filter, and high differential pressure across the liquid granular activated carbon vessel.

Acid cleaning the sand in the filter or cleaning the nozzles with utility air has resulted in correcting the problem. However, a permanent solution would be to implement acid cleaning every week, and un-clog the nozzles with clean utility air every day.

The liquid granular activated carbon vessels were backwashed to reduce or minimize the pressure differential across the GAC vessels. A permanent solution would be to implement the GAC vessels every week on a regular basis.

6 Conclusions and Recommendations

6.1 Geology

6.1.1 Conclusions

A capture zone is obviously being produced by the groundwater treatment system. The limited number of data points currently being measured however cannot adequately define it. The monitoring program was originally designed to evaluate the system initiation and source area reaction.

6.1.2 Recommendations

1. Future efforts should expand the number data collection points collected during the quarterly evaluation. This would include the extraction/injection wells and additional monitoring well clusters both upgradient (EW6-C, SW3, DW3) and immediately downgradient of the site (GM8A-C). Monitoring well WT-1, located east of the site and lateral of the plume, should also be measured. Collecting the additional information would

provide a more realistic definition of the site water table; capture zone/cone of depression, and injection mound.

2. If the additional data points do not adequately define the capture zone then it may be necessary to install several piezometers or observation wells at select locations to improve future site groundwater interpretations.
3. Useful information could also be obtained from nearby downgradient monitoring wells associated with the OBL, which are located within the Bethpage State Park and golf course. Sharing information with the landfill or sampling these additional data points would support future fate and transport plume analyses by providing USACE with contaminant plume information beyond the immediate source area.
4. Historical documentation for most of the monitoring wells is either absent or uncertain with respect to accuracy. For the purpose of this report all coordinates for data points were measured from scaled figures or taken from historical documents. Hence, the monitoring wells need to be resurveyed to ensure quality of future data interpretation.

6.2 Chemistry

6.2.1 Conclusions

1. Current detections of PCE in groundwater monitoring samples are higher than reported historical detections. The highest PCE concentrations were detected in samples from the shallow depth, which is consistent with previous work. PCE concentrations at shallow levels, particularly in the vicinity of SW-1 remain elevated.
2. Current detections of TCE in groundwater monitoring samples are higher than reported historical detections. The highest TCE concentrations were detected in samples from the deepest monitoring wells, with the overall highest concentrations in samples from EW-4C.
3. 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. Current groundwater monitoring data includes detections of both *cis*- and *trans*- isomers of 1,2-DCE, with *cis*-1,2-DCE detected more frequently and at higher concentrations. *Cis*-1,2-DCE is produced by biologically-mediated reductive dehalogenation, while *trans* 1,2-DCE is produced by abiotic reactions.
4. The presence and relative abundance of *cis*-1,2-DCE indicates that some intrinsic bioremediation is occurring onsite. However, the amount of intrinsic biodegradation occurring is not proportional to the amounts of TCE and PCE, and will not significantly aid site remediation.
5. Vinyl chloride was not detected in any current samples, possibly due to unfavorable conditions or sampling-induced error.

6. 1,1,1-TCA and 1,1-DCA were detected at concentrations that were comparable to historical data.
7. Benzene, ethylbenzene, and xylene were not detected in samples from onsite monitoring wells during current long-term groundwater monitoring.
8. Cr^{+6} was not detected in any samples. Laboratory quality control data are needed to evaluate As, Ba, Sb, Se, since blank contamination was reported in conjunction with all values. Blank contamination was reported with high percentages of the Fe and Pb values. Mn was the only metal lacking associated blank contamination. Mn and Fe were both elevated in EW-4A.

6.2.2 Recommendations

1. To provide better contaminant distribution data, it is recommended that appropriate existing offsite monitoring wells be selected and included in future sampling episodes. Contaminant distribution plots based on the existing data set (Fig. 4-1 to 4-12) are undoubtedly distorted due to lack of measured data points outside the property boundary.
2. Groundwater monitoring well purging and sampling should be conducted using low-flow protocol with in-line measurement of indicator parameters.
3. Water quality parameters should be measured in future sampling episodes. Various field and laboratory water quality parameters may be useful in evaluating the progress of site remediation, and should therefore be included in future monitoring well sampling episodes.

The minimum amount of water quality data, which should be collected during any groundwater sampling, includes 6 parameters which should be measured in the field during well purging using field instruments and a flow-through cell. These field instrumental water quality parameters include dissolved oxygen (DO), oxidation-reduction potential (ORP or Eh), turbidity, specific conductance, pH, and temperature.

Additional parameters which may be desired for a site contaminated with chlorinated solvents, and which due to parameter sensitivity should be measured in the field using field test kits include alkalinity and ferrous iron (Fe^{+2}).

Laboratory water quality parameters, which may provide additional useful information for a chlorinated solvent site, include anions (chloride, nitrate, nitrite, sulfate), hydrocarbon gases (methane, ethane, and ethene (MEE)), 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.

4. In order to ensure consistency and comparability in data reporting and to facilitate usability, the sample designation system used by field personnel needs to be revised. Historical monitoring well designations need to be used without alteration for samples from monitoring wells (i.e., wells should not be renumbered or renamed). Extraction wells need to be identified with an “EXT-“ prefix to distinguish them from historical monitoring wells having an “EW-“ prefix. Also, the “A, B, C” designations for extraction wells need to be referenced to specific wells and always used for the same well.
5. The contract laboratory should be provided with a list of required elements for future data deliverables and instructed to provide data packages that are consistent in content and format. Electronic deliverables should also be required for laboratory data.
6. To evaluate laboratory performance and the quality and usability of the sample data, future data packages must include reporting of laboratory QC data (e.g., blanks, LCS, LCSD, MS, MSD, surrogates, and others as required by the analytical methods).
7. As a check on the performance of the contract laboratory, and to further evaluate the quality and reliability of the primary data set, future sampling needs to include QA replicate samples sent to an independent laboratory.

6.3 Process Engineering

6.3.1 Conclusions

1. Overall, the GWTS equipment and the building appear well maintained. The system seems to be functioning without significant operational problems. The major concern is the proper functioning of the flow meters measuring flows at various points of the system. These flow meters need to be replaced with better quality. The flow data should be electronically logged directly into the control system to enable proper accounting of the quantity of groundwater treated.
2. The Table 5-12 presents the significant operation problems that have occurred to date and the corrective actions implemented to correct the problems.

6.3.2 Recommendations

1. The following additional recommendations, if implemented, are deemed beneficial to the proper functioning of the GWTS.
 - Manage all the plant operation and analytical data in an electronic format. The electronic handling will minimize the chances of error and will also be easier to manage.

- Receive the monthly reports from the O&M contractor on time and with sufficient information to enable proper monitoring of the discharge of treated effluent and implement any modifications, if required.
- Acid clean, with the filter manufacturer's concurrence, the sand filter every week.
- Clean the sand filter nozzles, with the filter manufacturer's concurrence, with clean utility air every day.
- Backwash the GAC vessels, with the manufacturer's concurrence, with clean air and water every week on a regular basis.

2. Monthly monitoring and data analyses results are awaited from the current O&M Contractor. Additional recommendations will be provided in subsequent quarterly reports after data deficiencies are eliminated or minimized and, the O&M Contractor submits monthly reports.

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

USEPA, 1990b, Decision summary for Claremont Polychemical Superfund Site, Old Bethpage, New York: US Environmental Protection Agency, var. pg.

Zigmund, F., 1999, Personal communication.

Tables

Table 3-1
Claremont Polychemical Superfund Site
Quarterly Monitoring Water Levels - May 2000

Well	X-Coord	Y-Coord	Recorded Depth	Riser Adjustment	Depth BGS	Ground Elevation	Water Level
EW-1A	2154019.70	193877.60	66.10	-1.68	64.42	128.34	63.92
EW-1B	2154019.70	193877.60	66.40	-1.81	64.59	128.75	64.16
EW-1C	2154019.70	193877.60	66.60	-2.04	64.56	128.43	63.87
EW-2A	2154622.80	193958.50	94.10	0.22	94.32	157.36	63.04
EW-2B	2154622.80	193958.50	94.20	1.13	95.33	158.74	63.41
EW-2C	2154622.80	193958.50	94.30	0.06	94.36	157.6	63.24
EW-4A	2154568.90	194249.05	97.80	-1.80	96.00	159.86	63.86
EW-4B	2154568.90	194249.05	98.00	-1.87	96.13	159.8	63.67
EW-4C	2154568.90	194249.05	98.00	-1.82	96.18	159.59	63.41
SW-1	2154129.70	194072.40	73.40	-1.38	72.02	129.93	57.91
DW-1	2154122.30	194072.40	73.90	-1.66	72.24	129.53	57.29
SW-2	2154467.70	194064.97	67.90	-1.81	66.09	136.11	70.02
DW-2	2154464.71	194064.97	68.00	-1.76	66.24	135.4	69.16

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

Table 3-2
Claremont Polychemical Superfund Site
Quarterly Monitoring Water Levels - September 2000

Well	X-Coord	Y-Coord	Recorded Depth	Riser Adjustment	Depth BGS	Ground Elevation	Water Level
EW-1A	2154019.70	193877.60	65.60	-1.68	63.92	128.34	64.42
EW-1B	2154019.70	193877.60	65.90	-1.81	64.09	128.75	64.66
EW-1C	2154019.70	193877.60	66.00	-2.04	63.96	128.43	64.47
EW-2A	2154622.80	193958.50	93.50	0.22	93.72	157.36	63.64
EW-2B	2154622.80	193958.50	93.50	1.13	94.63	158.74	64.11
EW-2C	2154622.80	193958.50	93.70	0.06	93.76	157.6	63.84
EW-4A	2154568.90	194249.05	97.10	-1.80	95.30	159.86	64.56
EW-4B	2154568.90	194249.05	97.30	-1.87	95.43	159.8	64.37
EW-4C	2154568.90	194249.05	97.20	-1.82	95.38	159.59	64.21
SW-1	2154129.70	194072.40	73.00	-1.38	71.62	129.93	58.31
DW-1	2154122.30	194072.40	73.40	-1.66	71.74	129.53	57.79
SW-2	2154467.70	194064.97	67.20	-1.81	65.39	136.11	70.72
DW-2	2154464.71	194064.97	67.40	-1.76	65.64	135.4	69.76

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

Table 3-3
Claremont Polychemical Superfund Site
Quarterly Monitoring Water Levels - November 2000

Well	X-Coord	Y-Coord	Recorded Depth	Riser Adjustment	Depth BGS	Ground Elevation	Water Level
EW-1A	2154019.70	193877.60	67.10	-1.68	65.42	128.34	62.92
EW-1B	2154019.70	193877.60	67.60	-1.81	65.79	128.75	62.96
EW-1C	2154019.70	193877.60	67.30	-2.04	65.26	128.43	63.17
EW-2A	2154622.80	193958.50	94.80	0.22	95.02	157.36	62.34
EW-2B	2154622.80	193958.50	95.00	1.13	96.13	158.74	62.61
EW-2C	2154622.80	193958.50	95.00	0.06	95.06	157.6	62.54
EW-4A	2154568.90	194249.05	98.00	-1.80	96.20	159.86	63.66
EW-4B	2154568.90	194249.05	98.10	-1.87	96.23	159.8	63.57
EW-4C	2154568.90	194249.05	98.00	-1.82	96.18	159.59	63.41
SW-1	2154129.70	194072.40	66.80	-1.38	65.42	129.93	64.51
DW-1	2154122.30	194072.40	67.00	-1.66	65.34	129.53	64.19
SW-2	2154467.70	194064.97	74.10	-1.81	72.29	136.11	63.82
DW-2	2154464.71	194064.97	74.00	-1.76	72.24	135.4	63.16

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

Table 3-4
Claremont Polychemical Superfund Site
Quarterly Monitoring Water Levels - February 2001

Well	X-Coord	Y-Coord	Recorded Depth	Riser Adjustment	Depth BGS	Ground Elevation	Water Level
EW-1A	2154019.70	193877.60	67.50	-1.68	65.82	128.34	62.52
EW-1B	2154019.70	193877.60	67.20	-1.81	65.39	128.75	63.36
EW-1C	2154019.70	193877.60	67.60	-2.04	65.56	128.43	62.87
EW-2A	2154622.80	193958.50	94.10	0.22	94.32	157.36	63.04
EW-2B	2154622.80	193958.50	94.60	1.13	95.73	158.74	63.01
EW-2C	2154622.80	193958.50	94.70	0.06	94.76	157.6	62.84
EW-4A	2154568.90	194249.05	98.10	-1.80	96.30	159.86	63.56
EW-4B	2154568.90	194249.05	98.10	-1.87	96.23	159.8	63.57
EW-4C	2154568.90	194249.05	98.00	-1.82	96.18	159.59	63.41
SW-1	2154129.70	194072.40	74.10	-1.38	72.72	129.93	57.21
DW-1	2154122.30	194072.40	74.40	-1.66	72.74	129.53	56.79
SW-2	2154467.70	194064.97	67.90	-1.81	66.09	136.11	70.02
DW-2	2154464.71	194064.97	67.70	-1.76	65.94	135.4	69.46

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

Table 3-5
Claremont Polychemical Superfund Site
Quarterly Monitoring Water Levels - May 2001

Well	X-Coord	Y-Coord	Recorded Depth	Riser Adjustment	Depth BGS	Ground Elevation	Water Level
EW-1A	2154019.70	193877.60	67.00	-1.68	65.32	128.34	63.02
EW-1B	2154019.70	193877.60	67.30	-1.81	65.49	128.75	63.26
EW-1C	2154019.70	193877.60	67.70	-2.04	65.66	128.43	62.77
EW-2A	2154622.80	193958.50	94.80	0.22	95.02	157.36	62.34
EW-2B	2154622.80	193958.50	95.00	1.13	96.13	158.74	62.61
EW-2C	2154622.80	193958.50	95.00	0.06	95.06	157.6	62.54
EW-4A	2154568.90	194249.05	98.40	-1.80	96.60	159.86	63.26
EW-4B	2154568.90	194249.05	98.50	-1.87	96.63	159.8	63.17
EW-4C	2154568.90	194249.05	98.20	-1.82	96.38	159.59	63.21
SW-1	2154129.70	194072.40	74.30	-1.38	72.92	129.93	57.01
DW-1	2154122.30	194072.40	74.80	-1.66	73.14	129.53	56.39
SW-2	2154467.70	194064.97	68.30	-1.81	66.49	136.11	69.62
DW-2	2154464.71	194064.97	68.20	-1.76	66.44	135.4	68.96

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

Claremont Polychemical Superfund Site
Well Construction
Table 3-6

Sampled Wells	X-Coord	Y-Coord	Ground Elevation	Depth of Well	Top of Screen	Bottom of Screen	Screen Length
EW-1A	2154019.70	193877.60	128.34	75.00	65.17	75.00	9.83
EW-1B	2154019.70	193877.60	128.75	100.00	90.17	100.00	9.83
EW-1C	2154019.70	193877.60	128.43	125.00	115.17	125.00	9.83
EW-2A	2154622.80	193958.50	157.36	102.00	92.17	102.00	9.83
EW-2B	2154622.80	193958.50	158.74	130.00	120.17	130.00	9.83
EW-2C	2154622.80	193958.50	157.6	150.00	140.17	150.00	9.83
EW-4A	2154568.90	194249.05	159.86	115.00	100.17	115.00	14.83
EW-4B	2154568.90	194249.05	159.8	130.00	120.17	130.00	9.83
EW-4C	2154568.90	194249.05	159.59	155.00	145.17	155.00	9.83
EW-5	2154462.78	1940683.48	134.01	175.00	165.17	175.00	9.83
SW-1	2154129.70	194072.40	129.93	70.00	65.00	70.00	5.00
DW-1	2154122.30	194072.40	129.53	98.50	93.50	98.50	5.00
SW-2	2154467.70	194064.97	136.11	73.00	63.00	73.00	10.00
DW-2	2154464.71	194064.97	135.4	100.00	95.00	100.00	5.00
Wells not sampled	X-Coord	Y-Coord	Ground Elevation	Depth of Well	Top of Screen	Bottom of Screen	Screen Length
EW-3A	Downgradient	Downgradient	157.28	105.00	95.17	105.00	9.83
EW-3B	Downgradient	Downgradient	157.32	135.00	125.17	135.00	9.83
EW-3C	Downgradient	Downgradient	157.16	164.00	154.17	164.00	9.83
EW-6A	2154136.03	194676.90	130.66	73.00	63.17	73.00	9.83
EW-6B	2154136.03	194676.90	130.79	120.00	110.17	120.00	9.83
EW-6C	2154136.03	194676.90	131.07	170.50	160.67	170.50	9.83
GM-8A	215439.24	193653.75	133.6	80.00	75.00	80.00	5.00
GM-8B	215439.24	193653.75	132.75	160.00	155.00	160.00	5.00
GM-8C	215439.24	193653.75	135.09	250.00	245.00	250.00	5.00
WT-1	2154989.55	194281.46	162.38	106.00	95.40	105.40	10.00
SW-3	Upgradient	Upgradient	?	?	?	?	?
DW-3	Upgradient	Upgradient	?	?	?	?	?
System Wells	X-Coord	Y-Coord	Ground Elevation	Depth of Well	Top of Screen	Bottom of Screen	Screen Length
EX-1	2154313.00	193744.00	?	175.00	75 & 125	110 & 175	35 & 50
EX-2	2154402.00	193866.00	?	190.00	95 & 135	120 & 190	25 & 55
EX-3	2154514.00	194990.00	?	194.00	94.00	194.00	100.00
IN-1	2155052.00	194381.00	?	248.00	133.00	248.00	115.00
IN-2	2155150.00	194381.00	?	250.00	100.00	250.00	150.00
IN-3	2155248.00	194381.00	?	252.00	102.00	252.00	150.00
IN-4	2155248.00	194259.00	?	250.00	100.00	250.00	150.00

Note: Riser adjustments and ground elevations were obtained from the Predesign Investigation Report (Rust, 1992)

? - Data was not available in existing file documentation

Table 4-1
Claremont Polychemical Superfund Site
EW-1A Data Summary

Analyte	units	MDL	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A	EW-1A
sampling date			Apr-89	Jun-89	5/25/00	9/12/00	2/12/01	5/24/01
cooler temp (°C)					5.0	6.0 J	4.0	0.9
VOCs								
VOC dilution factor					1x	2x	2x	2x
chloromethane	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
bromomethane	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
vinyl chloride	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
chloroethane	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
methylene chloride	µg/L	5.0			0.3 J	3.0 J	10.0 U	4.0 U
acetone	µg/L	10.0		1.0 R	10.0 U	7.0 J	20.0 U	6.0 JB
carbon disulfide	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
vinyl acetate	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
1,1-dichloroethene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethane	µg/L	5.0	5.0 J	8.0 J	5.0 U	10.0 U	10.0 U	10.0 U
cis -1,2-dichloroethene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
trans -1,2-dichloroethene	µg/L	5.0	5.0 J	10.0 J	5.0 U	10.0 U	10.0 U	10.0 U
chloroform	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
1,2-dichloroethane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
2-butanone	µg/L	10.0		1.0 R	10.0 U	20.0 U	20.0 U	20.0 U
1,1,1-trichloroethane	µg/L	5.0		4.0 J	5.0 U	10.0 U	10.0 U	10.0 U
carbon tetrachloride	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
bromodichloromethane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
1,2-dichloropropane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-dichloropropene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
trichloroethene	µg/L	5.0	7.0	23.0 J	0.2 J	6.0 J	4.0 J	4.0 U
dibromochloromethane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
1,1,2-trichloroethane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
benzene	µg/L	0.7			0.7 U	1.0 U	1.0 U	1.0 U
trans-1,3-dichloropropene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
bromoform	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
4-methyl-2-pentanone	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
2-hexanone	µg/L	10.0			10.0 U	20.0 U	20.0 U	20.0 U
tetrachloroethene	µg/L	5.0	94.0	260.0 J	360.0	370.0	380.0	300.0
toluene	µg/L	5.0	2.0 J		5.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
chlorobenzene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
ethylbenzene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
styrene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
xylene	µg/L	5.0			5.0 U	10.0 U	10.0 U	10.0 U
metals								
As (arsenic)	µg/L		5.6 J		4.6 B	2.0 U	2.4 U	4.1 U
Ba (barium)	µg/L		115.0	146.0 J	31.2 B	98.0 B	77.4 B	80.4 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		14,000.0 J	49,900.0	451.0	239.0	50.8 B	48.5 B
Mn (manganese)	µg/L		993.0	1,030.0	216.0	621.0	578.0	571.0
Pb (lead)	µg/L		19.4	5.0 R	1.3 U	1.3 U	2.2 U	2.6 U
Sb (antimony)	µg/L				2.1 U	2.1 U	1.5 U	4.5 U
Se (selenium)	µg/L		3.5 J		4.4 B	3.4 U	3.0 B	4.6 U

Notes:

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

(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-2
Claremont Polychemical Superfund Site
EW-1B Data Summary

Analyte	units	MDL	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B	EW-1B
sampling date			Apr-89	Jun-89	5/25/00	9/12/00	2/12/01	5/24/01
cooler temp (°C)					5.0	6.0 J	4.0	0.9
VOCs							dm	
VOC dilution factor					1x	1x		1x
chloromethane	µg/L	10.0			10.0 U	10.0 U		10.0 U
bromomethane	µg/L	10.0			10.0 U	10.0 U		10.0 U
vinyl chloride	µg/L	10.0			10.0 U	10.0 U		10.0 U
chloroethane	µg/L	10.0			10.0 U	10.0 U		10.0 U
methylene chloride	µg/L	5.0			0.3 J	0.6 J		2.0 U
acetone	µg/L	10.0		79.0 J	10.0 U	10.0 U		3.0 JB
carbon disulfide	µg/L	5.0			5.0 U	5.0 U		5.0 U
vinyl acetate	µg/L	10.0			10.0 U	10.0 U		10.0 U
1,1-dichloroethene	µg/L	5.0	0.3 J		5.0 U	5.0 U		5.0 U
1,1-dichloroethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
cis -1,2-dichloroethene	µg/L	5.0			5.0 U	5.0 U		5.0 U
trans -1,2-dichloroethene	µg/L	5.0	0.4 J		5.0 U	5.0 U		5.0 U
chloroform	µg/L	5.0			5.0 U	5.0 U		5.0 U
1,2-dichloroethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
2-butanone	µg/L	10.0		1.0 R	10.0 U	10.0 U		10.0 U
1,1,1-trichloroethane	µg/L	5.0	1.0		5.0 U	5.0 U		5.0 U
carbon tetrachloride	µg/L	5.0			5.0 U	5.0 U		5.0 U
bromodichloromethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
1,2-dichloropropane	µg/L	5.0			5.0 U	5.0 U		5.0 U
cis-1,3-dichloropropene	µg/L	5.0			5.0 U	5.0 U		5.0 U
trichloroethene	µg/L	5.0	0.3 J		1.0 J	2.0 J		5.0 U
dibromochloromethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
1,1,2-trichloroethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
benzene	µg/L	0.7			0.7 U	0.7 U		0.7 U
trans-1,3-dichloropropene	µg/L	5.0			5.0 U	5.0 U		5.0 U
bromoform	µg/L	5.0			5.0 U	5.0 U		5.0 U
4-methyl-2-pentanone	µg/L	10.0			10.0 U	10.0 U		10.0 U
2-hexanone	µg/L	10.0			10.0 U	10.0 U		10.0 U
tetrachloroethene	µg/L	5.0	3.0		4.0 J	7.0		2.0 U
toluene	µg/L	5.0			5.0 U	5.0 U		5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			5.0 U	5.0 U		5.0 U
chlorobenzene	µg/L	5.0			0.5 J	5.0 U		5.0 U
ethylbenzene	µg/L	5.0			5.0 U	5.0 U		5.0 U
styrene	µg/L	5.0			5.0 U	5.0 U		5.0 U
xylene	µg/L	5.0			5.0 U	5.0 U		5.0 U
metals								
As (arsenic)	µg/L				3.1 U	2.00 U	2.4 U	4.1 U
Ba (barium)	µg/L		107.0	93.7 J	32.4 B	24.70 B	23.5 B	26.4 B
Cr ¹⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		388.0 J	442.0 J	7.2 U	50.70 B	53.0 B	38.2 B
Mn (manganese)	µg/L		527.0	905.0	387	540.00	473.0	273.0
Pb (lead)	µg/L		2.6 J		1.3 U	1.30 U	2.2 U	2.6 U
Sb (antimony)	µg/L				2.1 U	2.10 U	1.5 U	4.5 U
Se (selenium)	µg/L				1.5 U	3.40 U	2.6 U	4.6 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
dm: data missing from package
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

**Table 4-3
Claremont Polychemical Superfund Site
EW-1C Data Summary**

Analyte	units	MDL	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C	EW-1C
sampling date			Apr-89	Jun-89	5/25/00	9/12/00	2/12/01	5/24/01
cooler temp (°C)					5.0	6.0 J	4.0	0.9
VOCs			nd					
VOC dilution factor					2x	1x	1x	1x
chloromethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			2.0 J	0.7 J	5.0 U	0.9 U
acetone	µg/L	10.0		540.0 J	0.2 J	10.0 U	10.0 U	2.0 JB
carbon disulfide	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,1-dichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
cis -1,2-dichloroethene	µg/L	5.0			0.8 J	5.0 U	5.0 U	5.0 U
trans -1,2-dichloroethene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0			0.5 J	5.0 U	5.0 U	5.0 U
1,2-dichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		1.0 R	20.0 U	10.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0			1.0 J	5.0 U	5.0 U	5.0 U
carbon tetrachloride	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0			6.0 J	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			1.0 U	0.7 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0			0.6 J	0.5 U	5.0 U	5.0 U
toluene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L				3.1 U	2.00 U	2.4 U	4.1 U
Ba (barium)	µg/L		105.0	102.0 J	82.6 B	34.40 B	41.7 B	40.8 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		578.0 J	984.0 J	318.0	556.0	434.0	224.0
Mn (manganese)	µg/L		609.0	684.0	518.0	280.0	260.0	265.0
Pb (lead)	µg/L		11.3	21.1 J	1.3 B	1.30 U	2.2 U	2.6 U
Sb (antimony)	µg/L		64.4 J		2.1 U	2.10 U	1.5 U	4.5 U
Se (selenium)	µg/L				1.6 B	3.40 U	2.6 U	4.6 U

Notes:

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

(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

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

Analyte	units	MDL	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A	EW-2A
sampling date			Apr-89	Jun-89	6/8/00	9/11/00	2/15/01	5/30/01
cooler temp (°C)					6.0 J	6.0 J	4.0	7.5 J
VOCs								
VOC dilution factor					(2X)	2x	1x	1x
chloromethane	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			2.0 U	3.0 U	5.0 U	5.0 U
acetone	µg/L	10.0		36.0 J	20.0 U	6.0 J	10.0 U	2.0 JB
carbon disulfide	µg/L	5.0	0.2 J		10.0 U	10.0 U	2.0 U	5.0 U
vinyl acetate	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0	4.0 J	1.0 J	10.0 U	10.0 U	5.0 U	5.0 U
1,1-dichloroethane	µg/L	5.0	2.0 J		10.0 U	10.0 U	5.0 U	5.0 U
cis-1,2-dichloroethene	µg/L	5.0			3.0 J	10.0 U	0.9 J	0.6 J
trans-1,2-dichloroethene	µg/L	5.0	830.0	110.0	3.0 J	10.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0		1.0 J	1.0 J	2.0 J	0.6 J	5.0 U
1,2-dichloroethane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		1.0 R	20.0 U	20.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0	28.0 J	16.0 J	2.0 J	3.0 J	5.0 U	0.6 J
carbon tetrachloride	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	62.0	8.0 J	4.0 U	3.0 U	5.0 U	0.8 U
dibromochloromethane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			1.0 U	1.0 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0	6.0 J		20.0 U	20.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			20.0 U	20.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0	220.0	170.0	320.0	290.0	120.0	55.0
toluene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
xylene	µg/L	5.0			10.0 U	10.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L		29.7 J	6.2	4.0 U	2.0 U	2.4 U	5.7 B
Ba (barium)	µg/L		83.7	310.0 J	45.4 B	41.1 B	39.6 B	11.8 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		30,000.0 J	34,600.0	1,140.0	329.0	994.0	6,440.0
Mn (manganese)	µg/L		990.0	1,370.0	185.0	195.0	162.0	547.0
Pb (lead)	µg/L		16.5	110.0	2.0 U	1.3 U	2.2 U	6.3
Sb (antimony)	µg/L		52.9 J	28.1	9.0 U	2.1 U	1.5 U	4.4 U
Se (selenium)	µg/L				5.0 U	3.4 U	2.8 B	4.9 U

Notes:

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

(#x): VOC dilution factor

na: not analyzed

ns: not sampled

U: not detected

J: estimated

R: rejected

B: lab blank contamination, magnitude unknown

Table 4-5
Claremont Polychemical Superfund Site
EW-2B Data Summary

Analyte	units	MDL	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B	EW-2B
sampling date			Apr-89	Jun-89	6/8/00	9/11/00	2/15/01	5/30/01
cooler temp (°C)					6.0 J	6.0 J	4.0	7.5 J
VOCs								
VOC dilution factor					(1X)	1x	1x	1x
chloromethane	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0	10.0 R		10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			0.5 U	2.0 U	1.0 J	5.0 U
acetone	µg/L	10.0		27.0 J	10.0 U	10.0 U	10.0 U	10.0 U
carbon disulfide	µg/L	5.0			5.0 U	0.5 J	5.0 U	5.0 U
vinyl acetate	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			5.0 U	0.9 J	14.0	16.0
1,1-dichloroethane	µg/L	5.0			5.0 U	5.0 U	2.0 J	2.0 J
cis-1,2-dichloroethene	µg/L	5.0			16.0	14.0	8.0	8.0
trans-1,2-dichloroethene	µg/L	5.0	210.0	170.0	16.0	5.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0			5.0 U	5.0 U	5.0 U	0.6 J
1,2-dichloroethane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		5.0 R	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0			2.0 J	3.0 J	34.0	32.0
carbon tetrachloride	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0			34.0	37.0	29.0	13.0
dibromochloromethane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			0.7 U	0.7 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			10.0 U	10.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0	4.0 J	6.0	110.0	47.0	26.0	20.0
toluene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L	5.0			5.0 U	5.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L				4.0 U	2.0 U	2.4 U	4.2 U
Ba (barium)	µg/L		46.0	44.6 J	47.3 B	48.1 B	40.3 B	46.7 B
Cr ⁶⁺ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		2,360.0	4,070.0	4,440.0	376.0	133.0	59.3 B
Mn (manganese)	µg/L		571.0	733.0	640.0	626.0	697.0	374.0
Pb (lead)	µg/L		5.0 R	3.0 J	2.0 U	1.3 U	2.2 U	2.0 U
Sb (antimony)	µg/L			22.9	9.0 U	2.4 B	1.5 U	4.4 U
Se (selenium)	µg/L		3.9 J		5.0 U	3.4 U	2.6 U	4.9 U

Notes:

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

(#x): VOC dilution factor
na: not analyzed
ns: not sampled

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-6
Claremont Polychemical Superfund Site
EW-2C Data Summary

Analyte	units	MDL	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C	EW-2C
sampling date			Apr-89	Jun-89	6/7/00	9/11/00	2/15/01	5/30/01
cooler temp (°C)					6.0 J	6.0 J	4.0	7.5 J
VOCs								
VOC dilution factor					(5X)	2x	1x	1x
chloromethane	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			4.0 U	3.0 U	0.8 J	2.0 U
acetone	µg/L	10.0		26.0 J	50.0 U	6.0 J	10.0 U	2.0 JB
carbon disulfide	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			5.0 J	11.0	61.0	93.0
1,1-dichloroethane	µg/L	5.0	0.3 J		25.0 U	5.0 J	12.0	17.0
cis-1,2-dichloroethene	µg/L	5.0			10.0 J	15.0	21.0	26.0
trans-1,2-dichloroethene	µg/L	5.0			10.0 J	10.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0			25.0 U	10.0 U	0.5 J	0.6 J
1,2-dichloroethane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		1.0 R	50.0 U	20.0 U	10.0 U	0.8 JB
1,1,1-trichloroethane	µg/L	5.0			9.0 J	28.0	140.0	170.0
carbon tetrachloride	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	0.5 J		530.0	260.0	40.0	41.0
dibromochloromethane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			4.0 U	1.0 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			50.0 U	20.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0	2.0	2.0	18.0 J	20.0	38.0	39.0
toluene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
1,1,1,2-tetrachloroethane	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
xylene	µg/L	5.0			25.0 U	10.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L				4.0 U	2.00 U	2.4 U	4.2 U
Ba (barium)	µg/L		119.0	91.5	22.4 B	30.30 B	30.0 B	37.6 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		863.0 J	1,000.0	88.4 B	110.00	39.2 B	404.0
Mn (manganese)	µg/L		1,300.0	1,260.0	155.0	244.00	112.0	135.0
Pb (lead)	µg/L			4.5 J	2.0 U	1.30 U	2.2 U	2.8 B
Sb (antimony)	µg/L				9.0 U	2.10 U	1.5 U	4.4 U
Se (selenium)	µg/L				5.0 U	3.40 U	2.6 U	4.9 U

Notes:

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

(#x): VOC dilution factor

na: not analyzed

ns: not sampled

U: not detected

J: estimated

R: rejected

B: lab blank contamination, magnitude unknown

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

Analyte	units	MDL	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A	EW-4A
sampling date			Apr-89	Jun-89	5/25/00	9/14/00	2/15/01	5/31/01
cooler temp (°C)					5.0	20.0 R	4.0	1.7
VOCs								
VOC dilution factor					1x	2x	1x	1x
chloromethane	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			2.0 J	6.0 U	5.0 U	1.0 J
acetone	µg/L	10.0		5.0 R	10.0 U	2.0 J	10.0 U	2.0 U
carbon disulfide	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0	0.4 J		5.0 U	10.0 U	5.0 U	5.0 U
1,1-dichloroethane	µg/L	5.0	0.2 J		5.0 U	10.0 U	5.0 U	5.0 U
cis -1,2-dichloroethene	µg/L	5.0			66.0	83.0	7.0	4.0 J
trans -1,2-dichloroethene	µg/L	5.0	240.0	160.0	0.3 J	10.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
1,2-dichloroethane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0	10.0 R	5.0 R	1.0 J	20.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0	3.0		0.8 J	10.0 U	5.0 U	1.0 J
carbon tetrachloride	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0	22.0	31.0	31.0	20.0	7.0	3.0 J
dibromochloromethane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
benzene	µg/L	0.7	0.4 J		0.7 U	1.0 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			10.0 U	20.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0	110.0	190.0	180.0	230.0	130.0	70.0
toluene	µg/L	5.0	0.6 J		5.0 U	10.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0	0.3 J		5.0 U	10.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			5.0 U	10.0 U	5.0 U	5.0 U
xylene	µg/L	5.0	2.0	1.0	5.0 U	10.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L			3.0	3.1 U	2 U	2.4 U	5.6 B
Ba (barium)	µg/L		52.6	106.0 J	61.9 B	48.2	57.4 B	61.6 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		448.0 J	31,000.0 J	23,900.0	23,700.0	27,900.0	28,700.0
Mn (manganese)	µg/L		630.0	1,300.0	1,410.0	1,300.0	1,500.0	1,160.0
Pb (lead)	µg/L			36.5	1.3 U	1.3 U	2.2 U	5.8
Sb (antimony)	µg/L				2.1 U	2.1 U	1.5 U	4.4 U
Se (selenium)	µg/L		3.8 J		1.9 B	3.4 U	3.4 B	4.9 U

Notes:

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

(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-8
Claremont Polychemical Superfund Site
EW-4B Data Summary

Analyte	units	MDL	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B	EW-4B
sampling date			Apr-89	Jun-89	5/24/00	9/14/00	2/15/01	5/31/01
cooler temp (°C)					15.0 R	20.0 R	4.0	1.7
VOCs								
VOC dilution factor					2x	2x	2x	2x
chloromethane	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
bromomethane	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
vinyl chloride	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
chloroethane	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
methylene chloride	µg/L	5.0			2.0 U	5.0 U	10.0 U	2.0 J
acetone	µg/L	10.0		1.0 R	20.0 U	2.0 J	20.0 U	6.0 U
carbon disulfide	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
vinyl acetate	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
1,1-dichloroethene	µg/L	5.0	0.3 J		1.0 J	2.0 J	10.0 U	10.0 U
1,1-dichloroethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
cis -1,2-dichloroethene	µg/L	5.0			8.0 J	9.0 J	6.0 J	4.0 J
trans -1,2-dichloroethene	µg/L	5.0	13.0	8.0	10.0 U	10.0 U	10.0 U	10.0 U
chloroform	µg/L	5.0	0.2 J		0.4 U	10.0 U	10.0 U	10.0 U
1,2-dichloroethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
2-butanone	µg/L	10.0	10.0 R	1.0 R	20.0 U	4.0 J	20.0 U	20.0 U
1,1,1-trichloroethane	µg/L	5.0	2.0	1.0	7.0 J	9.0 J	10.0 U	3.0 J
carbon tetrachloride	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
bromodichloromethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
1,2-dichloropropane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
cis-1,3-dichloropropene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
trichloroethene	µg/L	5.0	2.0	2.0	320.0	330.0	360.0	220.0
dibromochloromethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
1,1,2-trichloroethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
benzene	µg/L	0.7	0.8 J		1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-dichloropropene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
bromoform	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
4-methyl-2-pentanone	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
2-hexanone	µg/L	10.0			20.0 U	20.0 U	20.0 U	20.0 U
tetrachloroethene	µg/L	5.0	8.0	7.0	17.0	15.0	8.0 J	5.0 J
toluene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
chlorobenzene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
ethylbenzene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
styrene	µg/L	5.0			10.0 U	10.0 U	10.0 U	10.0 U
xylene	µg/L	5.0		1.0	10.0 U	10.0 U	10.0 U	10.0 U
metals								
As (arsenic)	µg/L				3.1 U	2 U	2.4 U	4.2 U
Ba (barium)	µg/L		88.3	88.9	44.2 B	52.8 B	37.6 B	34.5 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	dm	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		226.0	346.0 J	111	64.3 B	29.6 B	20.5 U
Mn (manganese)	µg/L		827.0	1,130.0	363.0	336.0	218.0	163.0
Pb (lead)	µg/L		5.0 R		1.3 U	1.3 U	2.2 U	2.0 U
Sb (antimony)	µg/L				2.1 U	2.1 U	1.5 U	4.4 U
Se (selenium)	µg/L		7.0 J		1.5 U	3.4 U	3.5 B	4.9 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
dm: data missing from package
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-9
Claremont Polychemical Superfund Site
EW-4C Data Summary

Analyte	units	MDL	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C	EW-4C
sampling date			Apr-89	Jun-89	5/24/00	9/14/00	2/15/01	5/31/01
cooler temp (°C)					15.0 R	20.0 R	4.0	1.7
VOCs								
VOC dilution factor					5x	10x	50x	20x
chloromethane	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
bromomethane	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
vinyl chloride	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
chloroethane	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
methylene chloride	µg/L	5.0			16.0 J	18.0 J	48.0 J	49.0 J
acetone	µg/L	10.0		1.0 R	11.0 J	100.0 U	500.0 U	120.0 J
carbon disulfide	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
vinyl acetate	µg/L	10.0	10.0 R		50.0 U	100.0 U	500.0 U	200.0 U
1,1-dichloroethene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
1,1-dichloroethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
cis -1,2-dichloroethene	µg/L	5.0			11.0 J	26.0 J	56.0 J	32.0 J
trans -1,2-dichloroethene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
chloroform	µg/L	5.0			2.0 U	50.0 U	250.0 U	100.0 U
1,2-dichloroethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
2-butanone	µg/L	10.0		1.0 R	50.0 U	100.0 U	500.0 U	200.0 U
1,1,1-trichloroethane	µg/L	5.0			8.0 J	13.0 J	250.0 U	11.0 J
carbon tetrachloride	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
bromodichloromethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
1,2-dichloropropane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
cis-1,3-dichloropropene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
trichloroethene	µg/L	5.0			660.0	1200.0	4,200.0	2100.0
dibromochloromethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
1,1,2-trichloroethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
benzene	µg/L	0.7			4.0 U	7.0 U	35.0 U	14.0 U
trans-1,3-dichloropropene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
bromoform	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
4-methyl-2-pentanone	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
2-hexanone	µg/L	10.0			50.0 U	100.0 U	500.0 U	200.0 U
tetrachloroethene	µg/L	5.0	0.8 J	1.0	15.0 J	32.0 J	120.0 J	38.0 J
toluene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
chlorobenzene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
ethylbenzene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
styrene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
xylene	µg/L	5.0			25.0 U	50.0 U	250.0 U	100.0 U
metals								
As (arsenic)	µg/L				3.1 U	2 U	2.4 U	4.2 U
Ba (barium)	µg/L		96.2	97.2	72.3 B	94 B	58.4 B	34.4 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	dm	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		362.0	100.0 R	52.7 B	82.3 B	23.6 B	57.1 B
Mn (manganese)	µg/L		1,060.0 J	1,150.0	209	277	75.9	99.5
Pb (lead)	µg/L		5.0 R		1.3 U	3.2	2.2 U	2.0 U
Sb (antimony)	µg/L				2.1 U	2.1 U	1.5 U	4.4 U
Se (selenium)	µg/L				1.5 U	3.4 U	2.7 B	4.9 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
dm: data missing from package
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-10
Claremont Polychemical Superfund Site
SW-1 Data Summary

Analyte	units	MDL	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	5/25/00	9/13/00	2/13/01	5/29/01
cooler temp (°C)							5.0	10.0 R	6.0 J	0.3
VOCs										
VOC dilution factor							5x	20x	50x	50x
chloromethane	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
bromomethane	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
vinyl chloride	µg/L	10.0		12.0	1.0	3.0	50.0 U	200.0 U	500.0 U	500.0 U
chloroethane	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
methylene chloride	µg/L	5.0					7.0 J	66.0 J	41.0 J	140.0 J
acetone	µg/L	10.0					7.0 J	16.0 J	500.0 U	500.0 U
carbon disulfide	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
vinyl acetate	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
1,1-dichloroethene	µg/L	5.0	220.0	21.0 J	1.0	4.0	25.0 U	100.0 U	250.0 U	250.0 U
1,1-dichloroethane	µg/L	5.0			3.0	4.0	25.0 U	100.0 U	250.0 U	250.0 U
cis -1,2-dichloroethene	µg/L	5.0					10.0 J	32.0 J	39.0 J	63.0 J
trans -1,2-dichloroethene	µg/L	5.0	340.0	982.0	490.0	400.0	25.0 U	100.0 U	250.0 U	250.0 U
chloroform	µg/L	5.0					2.0 J	100.0 U	250.0 U	250.0 U
1,2-dichloroethane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
2-butanone	µg/L	10.0		14.0		1.0 R	5.0 J	200.0 U	500.0 U	500.0 U
1,1,1-trichloroethane	µg/L	5.0	2.1		20.0	54.0	25.0 U	100.0 U	250.0 U	250.0 U
carbon tetrachloride	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
bromodichloromethane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
1,2-dichloropropane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
cis-1,3-dichloropropene	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
trichloroethene	µg/L	5.0	35.0	68.0	40.0 J	89.0	19.0 J	34.0 J	78.0 J	72.0 J
dibromochloromethane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
1,1,1,2-trichloroethane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
benzene	µg/L	0.7		21.0 J	1.0	2.0	4.0 U	14.0 U	35.0 U	35.0 U
trans-1,3-dichloropropene	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
bromoform	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
4-methyl-2-pentanone	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
2-hexanone	µg/L	10.0					50.0 U	200.0 U	500.0 U	500.0 U
tetrachloroethene	µg/L	5.0	130.0	250.0	1,200.0	1,300.0	840.0	1,900.0	4,200.0	4,500.0
toluene	µg/L	5.0	1.0	1.0			0.4 U	100.0 U	250.0 U	250.0 U
1,1,1,2,2-tetrachloroethane	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
chlorobenzene	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
ethylbenzene	µg/L	5.0					25.0 U	100.0 U	250.0 U	250.0 U
styrene	µg/L	5.0					0.3 J	100.0 U	250.0 U	250.0 U
xylene	µg/L	5.0					0.9 J	100.0 U	250.0 U	250.0 U
metals										
As (arsenic)	µg/L		1.0				3.1 U	11.4	2.4 U	4.1 U
Ba (barium)	µg/L				72.7	88.3 J	65.9 B	100.0 B	51.1 B	53.9 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		1,368.0	300.0	4,600.0	6,930.0 J	964.0	13,000.0	141.0	328.0
Mn (manganese)	µg/L		351.0	212.0	327.0	381.0	381.0	502.0	90.0	128.0
Pb (lead)	µg/L				6.3	8.4	5.2	33.2	2.2 U	2.6 U
Sb (antimony)	µg/L						2.1 U	2.1 U	1.5 U	4.5 U
Se (selenium)	µg/L		19.0	4.0	3.6		1.5 U	3.4 U	2.6 U	4.6 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
1986 data from CA Rich (1986), empty cells indicate not detected
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-11
Claremont Polychemical Superfund Site
DW-1 Data Summary

Analyte	units	MDL	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	5/25/00	9/13/00	2/13/01	5/29/01
cooler temp (°C)							5.0	10.0 R	6.0	0.3
VOCs										
VOC dilution factor							1x	1x	1x	1x
chloromethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0					2.0 J	0.4 J	1.0 J	0.6 J
acetone	µg/L	10.0					10.0 U	10.0 U	5.0 J	2.0 JB
carbon disulfide	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			8.0 J	1.0	5.0 U	5.0 U	5.0 U	5.0 U
1,1-dichloroethane	µg/L	5.0				1.0	5.0 U	5.0 U	5.0 U	5.0 U
cis -1,2-dichloroethene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
trans -1,2-dichloroethene	µg/L	5.0				1.0	5.0 U	5.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloroethane	µg/L	5.0			6.0 J	1.0 J	5.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		21.0		1.0 R	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0			100.0	16.0	5.0 U	5.0 U	5.0 U	5.0 U
carbon tetrachloride	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0			260.0	40.0	1.0 J	5.0 U	5.0 U	5.0 U
dibromochloromethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			60.0		0.7 U	0.7 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0			10.0 J	160.0	12.0	3.0 J	5.0 U	5.0 U
toluene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0				1.0	5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
metals										
As (arsenic)	µg/L		3.0	4.0			3.1 U	2.0 U	2.7 B	4.1 U
Ba (barium)	µg/L				144.0	145.0 J	39.9 B	36.8 B	37.4 B	36.1 B
Cr ⁺⁶ (hexavalent chromium)	mg/L		na	na	na	na	0.010 U	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		600.0	343.0	434.0	1,300.0 J	2,640.0	2,340.0	2,280.0	2,560.0
Mn (manganese)	µg/L		728.0	604.0	170.0	110.0	656.0	592.0	544.0	473.0
Pb (lead)	µg/L				39.0	22.7	1.3 U	1.3 U	2.2 U	2.6 U
Sb (antimony)	µg/L						2.1 U	2.1 U	1.5 U	4.5 U
Se (selenium)	µg/L						2.2 B	3.4 U	3.2 B	4.6 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
1986 data from CA Rich (1986), empty cells indicate not detected
(#): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-12
Claremont Polychemical Superfund Site
DW-2 Data Summary

Analyte	units	MDL	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	5/24/00	9/13/00	2/13/01	5/29/01
cooler temp (°C)							15.0 R	10.0 R	4.0	0.3
VOCs										
VOC dilution factor							1x	1x	1x	1x
chloromethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0					0.5 U	0.8 J	5.0 U	0.5 J
acetone	µg/L	10.0					10.0 U	10.0 U	10.0 U	2.0 JB
carbon disulfide	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			0.3 J		5.0 U	5.0 U	5.0 U	5.0 U
1,1-dichloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
cis -1,2-dichloroethene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
trans -1,2-dichloroethene	µg/L	5.0			0.4 J	1.0	5.0 U	5.0 U	5.0 U	5.0 U
chloroform	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		21.0		1.0 R	10.0 U	10.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0			2.0	1.0	0.4 J	5.0 U	5.0 U	5.0 U
carbon tetrachloride	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0			0.3 J	5.0	1.0 U	5.0 U	5.0 U	0.8 J
dibromochloromethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7		13.0			0.7 U	0.7 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0					10.0 U	10.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0		5.0	2.0	96.0	4.0 J	4.0 J	5.0 U	1.0 J
toluene	µg/L	5.0					0.2 J	5.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L	5.0					5.0 U	5.0 U	5.0 U	5.0 U
metals										
As (arsenic)	µg/L						3.1 U	2 U	2.4 U	4.1 U
Ba (barium)	µg/L				70.5	70.6 J	49.9 B	49.4 B	59.4 B	50.2 B
Cr ¹⁶ (hexavalent chromium)	mg/L		na	na	na	na	dm	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		210.0	213.0	149.0	510.0	392.0	27.7 B	45.6 B	24.0 B
Mn (manganese)	µg/L		1,496.0	1,602.0	816.0	488.0	190.0	157.0	148.0	108.0
Pb (lead)	µg/L		163.0		9.4 J	4.4 J	1.3 U	1.3 U	2.2 U	2.6 U
Sb (antimony)	µg/L						2.1 U	2.1 U	1.5 U	4.5 U
Se (selenium)	µg/L		2.0				1.5 U	3.4 U	2.6 U	4.6 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
1986 data from CA Rich (1986), empty cells indicate not detected
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

dm: data missing from package

Table 4-13
Claremont Polychemical Superfund Site
EW-5 Data Summary

Analyte	units	MDL	EW-5	EW-5	EW-5	EW-5	EW-5	EW-5
sampling date			Apr-89	Jun-89	5/24/00	9/13/00	2/13/01	5/29/01
cooler temp (°C)					15.0 R	10.0 R	6.0	0.3
VOCs								
VOC dilution factor					2x	1x	1x	1x
chloromethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
bromomethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
vinyl chloride	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
chloroethane	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
methylene chloride	µg/L	5.0			3.0 U	5.0 U	1.0 J	0.5 J
acetone	µg/L	10.0			20.0 U	10.0 U	10.0 U	1.0 JB
carbon disulfide	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
vinyl acetate	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
1,1-dichloroethene	µg/L	5.0			2.0 J	5.0 U	1.0 U	0.6 J
1,1-dichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	0.6 J
cis -1,2-dichloroethene	µg/L	5.0			32.0	2.0 J	9.0	8.0
trans -1,2-dichloroethene	µg/L	5.0			10.0 U	0.6 J	5.0 U	5.0 U
chloroform	µg/L	5.0			0.5 U	5.0 U	5.0 U	5.0 U
1,2-dichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
2-butanone	µg/L	10.0		1.0 R	20.0 U	10.0 U	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L	5.0			5.0 J	5.0 U	3.0 J	5.0 U
carbon tetrachloride	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
bromodichloromethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,2-dichloropropane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
trichloroethene	µg/L	5.0			220.0	14.0	88.0	78.0
dibromochloromethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
benzene	µg/L	0.7			1.0 U	0.7 U	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
bromoform	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
2-hexanone	µg/L	10.0			20.0 U	10.0 U	10.0 U	10.0 U
tetrachloroethene	µg/L	5.0	7.0	6.0	3.0 J	5.0	2.0 J	1.0 J
toluene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
chlorobenzene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
ethylbenzene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
styrene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
xylene	µg/L	5.0			10.0 U	5.0 U	5.0 U	5.0 U
metals								
As (arsenic)	µg/L				3.1 U	2 U	2.4 B	4.1 U
Ba (barium)	µg/L		268.0	276.0 J	68.2 B	93.3 B	43.7 B	44.8 B
Cr ¹⁶ (hexavalent chromium)	mg/L		na	na	dm	0.010 U	0.010 U	0.010 U
Fe (iron)	µg/L		268.0	403.0 J	12.7 B	195	67.8 B	57.2 B
Mn (manganese)	µg/L		825.0	994.0	542	50.1	391.0	378.0
Pb (lead)	µg/L		12.3	10.0 J	1.3 U	1.3 U	2.2 U	2.6 U
Sb (antimony)	µg/L				2.1 U	2.1 U	1.5 U	4.5 U
Se (selenium)	µg/L		5.4		1.5 U	3.4 U	2.6 U	4.6 U

Notes:

1989 data from Ebasco (1990), empty cells indicate not detected
dm: data missing from package
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected
B: lab blank contamination, magnitude unknown

Table 4-14
Claremont Polychemical Superfund Site
EW-1 Well Cluster Data Summary, 4/89-5/01

Analyte	units	MDL			EW-1A			EW-1B			EW-1C
			no	det	range	no	det	range	no	det	range
VOCs											
chloromethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
bromomethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
vinyl chloride	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
chloroethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
methylene chloride	µg/L	5.0	6	2	0.3 - 3.0	6	2	0.3 - 0.6	6	2	0.7 - 2.0
acetone	µg/L	10.0	6	2	6.0 - 7.0	6	2	3.0 - 79	6	3	0.2 - 540.0
carbon disulfide	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
vinyl acetate	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
1,1-dichloroethene	µg/L	5.0	6	0	nd	6	1	0.3	6	0	nd
1,1-dichloroethane	µg/L	5.0	6	2	5.0 - 8.0	6	0	nd	6	0	nd
cis -1,2-dichloroethene	µg/L	5.0	6	0	nd	6	0	nd	6	1	0.8
trans -1,2-dichloroethene	µg/L	5.0	6	2	5.0 - 10.0	6	1	0.4	6	0	nd
chloroform	µg/L	5.0	6	0	nd	6	0	nd	6	1	0.5
1,2-dichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
2-butanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
1,1,1-trichloroethane	µg/L	5.0	6	1	4.0	6	1	1.0	6	1	1.0
carbon tetrachloride	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromodichloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,2-dichloropropane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
cis-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
trichloroethene	µg/L	5.0	6	5	0.2 - 23.0	6	3	0.3 - 2.0	6	1	6.0
dibromochloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,1,2-trichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
benzene	µg/L	0.7	6	0	nd	6	0	nd	6	0	nd
trans-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromoform	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
4-methyl-2-pentanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
2-hexanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
tetrachloroethene	µg/L	5.0	6	5	94.0 - 380.0	6	3	2.0 - 7.0	6	1	0.6
toluene	µg/L	5.0	6	1	2.0	6	0	nd	6	0	nd
1,1,2,2-tetrachloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
chlorobenzene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
ethylbenzene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
styrene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
xylene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
metals											
As (arsenic)	µg/L		6	2	4.6 - 5.6	6	0	nd	6	0	nd
Ba (barium)	µg/L		6	6	31.2 - 146.0	6	6	23.5 - 107.0	6	6	34.4 - 105.0
Cr ⁺⁶ (hexavalent chromium)	mg/L		4	0	nd	4	0	nd	4	0	nd
Fe (iron)	µg/L		6	6	48.5 - 49,900	6	5	38.2 - 442.0	6	6	224.0 - 984.0
Mn (manganese)	µg/L		6	6	216.0 - 1,030.0	6	6	273.0 - 905.0	6	6	260.0 - 684.0
Pb (lead)	µg/L		6	1	19.4	6	1	2.6	6	3	1.3 - 21.1
Sb (antimony)	µg/L		6	0	nd	6	0	nd	6	1	64.4
Se (selenium)	µg/L		6	3	3.0 - 4.4	6	0	nd	6	1	1.6

Notes:

no.: number of analyses
det.: number of detections
range: detected concentration range
nd: not detected

Table 4-15
Claremont Polychemical Superfund Site
EW-2 Well Cluster Data Summary, 4/89-5/01

Analyte	units	MDL			EW-2A			EW-2B			EW-2C
			no	det	range	no	det	range	no	det	range
VOCs											
chloromethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
bromomethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
vinyl chloride	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
chloroethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
methylene chloride	µg/L	5.0	6	0	nd	6	0	nd	6	1	0.8
acetone	µg/L	10.0	6	3	2.0 - 36.0	6	1	27.0	6	3	2.0 - 26.0
carbon disulfide	µg/L	5.0	6	1	0.2	6	1	0.5	6	0	nd
vinyl acetate	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
1,1-dichloroethene	µg/L	5.0	6	2	1.0 - 4.0	6	3	0.9 - 16.0	6	4	5.0 - 93.0
1,1-dichloroethane	µg/L	5.0	6	1	2.0	6	2	2.0	6	4	0.3 - 17.0
cis -1,2-dichloroethene	µg/L	5.0	6	0	nd	6	4	8.0 - 16.0	6	4	10.0 - 26.0
trans -1,2-dichloroethene	µg/L	5.0	6	3	3.0 - 830.0	6	3	16.0 - 210	6	1	10.0
chloroform	µg/L	5.0	6	4	0.6 - 2.0	6	1	0.6	6	2	0.5 - 0.6
1,2-dichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
2-butanone	µg/L	10.0	6	0	nd	6	0	nd	6	1	0.8
1,1,1-trichloroethane	µg/L	5.0	6	5	0.6 - 28.0	6	4	2.0 - 34.0	6	4	9.0 - 170.0
carbon tetrachloride	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromodichloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,2-dichloropropane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
cis-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
trichloroethene	µg/L	5.0	6	2	8.0 - 62.0	6	4	13.0 - 37.0	6	5	0.5 - 530.0
dibromochloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,1,2-trichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
benzene	µg/L	0.7	6	0	nd	6	0	nd	6	0	nd
trans-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromoform	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
4-methyl-2-pentanone	µg/L	10.0	6	1	6.0	6	0	nd	6	0	nd
2-hexanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
tetrachloroethene	µg/L	5.0	6	6	55.0 - 320.0	6	6	4.0 - 110.0	6	6	2.0 - 39.0
toluene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,1,2,2-tetrachloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
chlorobenzene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
ethylbenzene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
styrene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
xylene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
metals											
As (arsenic)	µg/L		6	3	5.7 - 29.7	6	0	nd	6	0	nd
Ba (barium)	µg/L		6	6	11.8 - 310.0	6	6	40.3 - 48.1	6	6	22.4 - 119.0
Cr ⁺⁶ (hexavalent chromium)	mg/L		4	0	nd	4	0	nd	4	0	nd
Fe (iron)	µg/L		6	6	329.0 - 34,600.0	6	6	59.3 - 4,440.0	6	6	39.2 - 1,000.0
Mn (manganese)	µg/L		6	6	162.0 - 1,370.0	6	6	374.0 - 733.0	6	6	112.0 - 1,300.0
Pb (lead)	µg/L		6	3	6.3 - 110.0	6	1	3.0	6	2	2.8 - 4.5
Sb (antimony)	µg/L		6	2	28.1 - 52.9	6	1	22.9	6	0	nd
Se (selenium)	µg/L		6	1	2.8	6	1	3.9	6	0	nd

Notes:

no.: number of analyses
det.: number of detections
range: detected concentration range
nd: not detected

Table 4-16
Claremont Polychemical Superfund Site
EW-4 Well Cluster Data Summary, 4/89-5/01

Analyte	units	MDL			EW-4A			EW-4B			EW-4C
			no	det	range	no	det	range	no	det	range
VOCs											
chloromethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
bromomethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
vinyl chloride	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
chloroethane	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
methylene chloride	µg/L	5.0	6	2	1.0 - 2.0	6	1	2.0	6	4	16.0 - 49.0
acetone	µg/L	10.0	6	1	2.0	6	0	nd	6	2	11.0 - 120.0
carbon disulfide	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
vinyl acetate	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
1,1-dichloroethene	µg/L	5.0	6	1	0.4	6	3	0.3 - 2.0	6	0	nd
1,1-dichloroethane	µg/L	5.0	6	1	0.2	6	0	nd	6	0	nd
cis -1,2-dichloroethene	µg/L	5.0	6	4	4.0 - 83.0	6	4	4.0 - 9.0	6	4	11.0 - 56.0
trans -1,2-dichloroethene	µg/L	5.0	6	3	0.3 - 240.0	6	2	8.0 - 13.0	6	0	nd
chloroform	µg/L	5.0	6	0	nd	6	1	0.2	6	0	nd
1,2-dichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
2-butanone	µg/L	10.0	6	1	1.0	6	1	4.0	6	0	nd
1,1,1-trichloroethane	µg/L	5.0	6	3	0.8 - 3.0	6	5	1.0 - 9.0	6	3	8.0 - 13.0
carbon tetrachloride	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromodichloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,2-dichloropropane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
cis-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
trichloroethene	µg/L	5.0	6	6	3.0 - 31.0	6	6	2.0 - 360.0	6	4	660.0 - 4,200.0
dibromochloromethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
1,1,2-trichloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
benzene	µg/L	0.7	6	1	0.4	6	1	0.8	6	0	nd
trans-1,3-dichloropropene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
bromoform	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
4-methyl-2-pentanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
2-hexanone	µg/L	10.0	6	0	nd	6	0	nd	6	0	nd
tetrachloroethene	µg/L	5.0	6	6	70.0 - 230.0	6	6	5.0 - 17.0	6	6	0.8 - 120.0
toluene	µg/L	5.0	6	1	0.6	6	0	nd	6	0	nd
1,1,2,2-tetrachloroethane	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
chlorobenzene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
ethylbenzene	µg/L	5.0	6	1	0.3	6	0	nd	6	0	nd
styrene	µg/L	5.0	6	0	nd	6	0	nd	6	0	nd
xylene	µg/L	5.0	6	2	1.0 - 2.0	6	1	1.0	6	0	nd
metals											
As (arsenic)	µg/L		6	1	3.0	6	0	nd	6	0	nd
Ba (barium)	µg/L		6	6	48.2 - 106.0	6	6	34.5 - 88.9	6	6	34.4 - 97.2
Cr ⁺⁶ (hexavalent chromium)	mg/L		4	0	nd	4	0	nd	4	0	nd
Fe (iron)	µg/L		6	6	448.0 - 31,000.0	6	6	20.5 - 346.0	6	5	23.6 - 362.0
Mn (manganese)	µg/L		6	6	630.0 - 1,500.0	6	6	163.0 - 1,130.0	6	6	75.9 - 1,150.0
Pb (lead)	µg/L		6	2	5.8 - 36.5	6	0	nd	6	1	3.2
Sb (antimony)	µg/L		6	0	nd	6	0	nd	6	0	nd
Se (selenium)	µg/L		6	3	1.9 - 3.8	6	2	3.5 - 7.0	6	1	2.7

Notes:

no.: number of analyses
det.: number of detections
range: detected concentration range
nd: not detected

Table 4-17
Claremont Polychemical Superfund Site
SW-1 and DW-1 Well Cluster Data Summary, 3/86-5/01

Analyte	units	MDL			SW-1		DW-1	
			no	det	range	no	det	range
VOCs								
chloromethane	µg/L	10.0	8	0	nd	8	0	nd
bromomethane	µg/L	10.0	8	0	nd	8	0	nd
vinyl chloride	µg/L	10.0	8	3	1.0 - 12.0	8	0	nd
chloroethane	µg/L	10.0	8	0	nd	8	0	nd
methylene chloride	µg/L	5.0	8	4	7.0 - 140.0	8	4	0.4 - 2.0
acetone	µg/L	10.0	8	2	7.0 - 16.0	8	2	2.0 - 5.0
carbon disulfide	µg/L	5.0	8	0	nd	8	0	nd
vinyl acetate	µg/L	10.0	8	0	nd	8	0	nd
1,1-dichloroethene	µg/L	5.0	8	4	1.0 - 220.0	8	2	1.0 - 8.0
1,1-dichloroethane	µg/L	5.0	8	2	3.0 - 4.0	8	1	1.0
cis-1,2-dichloroethene	µg/L	5.0	8	4	10.0 - 63.0	8	0	nd
trans-1,2-dichloroethene	µg/L	5.0	8	4	340.0 - 982.0	8	1	1.0
chloroform	µg/L	5.0	8	1	2.0	8	0	nd
1,2-dichloroethane	µg/L	5.0	8	0	nd	8	2	1.0 - 6.0
2-butanone	µg/L	10.0	8	2	5.0 - 14.0	8	1	21.0
1,1,1-trichloroethane	µg/L	5.0	8	3	2.1 - 54.0	8	2	16.0 - 100.0
carbon tetrachloride	µg/L	5.0	8	0	nd	8	0	nd
bromodichloromethane	µg/L	5.0	8	0	nd	8	0	nd
1,2-dichloropropane	µg/L	5.0	8	0	nd	8	0	nd
cis-1,3-dichloropropene	µg/L	5.0	8	0	nd	8	0	nd
trichloroethene	µg/L	5.0	8	8	19.0 - 89.0	8	3	1.0 - 260.0
dibromochloromethane	µg/L	5.0	8	0	nd	8	0	nd
1,1,2-trichloroethane	µg/L	5.0	8	0	nd	8	0	nd
benzene	µg/L	0.7	8	3	1.0 - 21.0	8	1	60.0
trans-1,3-dichloropropene	µg/L	5.0	8	0	nd	8	0	nd
bromoform	µg/L	5.0	8	0	nd	8	0	nd
4-methyl-2-pentanone	µg/L	10.0	8	0	nd	8	0	nd
2-hexanone	µg/L	10.0	8	0	nd	8	0	nd
tetrachloroethene	µg/L	5.0	8	8	130.0 - 4,500.0	8	4	3.0 - 160.0
toluene	µg/L	5.0	8	2	1.0	8	0	nd
1,1,2,2-tetrachloroethane	µg/L	5.0	8	0	nd	8	0	nd
chlorobenzene	µg/L	5.0	8	0	nd	8	0	nd
ethylbenzene	µg/L	5.0	8	0	nd	8	1	1.0
styrene	µg/L	5.0	8	1	0.3	8	0	nd
xylene	µg/L	5.0	8	1	0.9	8	0	nd
metals								
As (arsenic)	µg/L		8	2	1.0 - 11.4	8	3	2.7 - 4.0
Ba (barium)	µg/L		8	6	51.1 - 100.0	8	6	36.1 - 145.0
Cr ⁺⁶ (hexavalent chromium)	mg/L		4	0	nd	4	0	nd
Fe (iron)	µg/L		8	8	141.0 - 6,930.0	8	8	343.0 - 2,640.0
Mn (manganese)	µg/L		8	8	90.0 - 502.0	8	8	110.0 - 728.0
Pb (lead)	µg/L		8	4	5.2 - 33.2	8	2	22.7 - 39.0
Sb (antimony)	µg/L		8	0	nd	8	0	nd
Se (selenium)	µg/L		8	3	3.6 - 19.0	8	2	2.2 - 3.2

Notes:

no.: number of analyses

det.: number of detections

range: detected concentration range

nd: not detected

Table 4-18
Claremont Polychemical Superfund Site
DW-2 and EW-5 Well Cluster Data Summary, 3/86-5/01

Analyte	units	MDL			DW-2			
			no	det		range	no	det
VOCs								
chloromethane	µg/L	10.0	8	0	nd	6	0	nd
bromomethane	µg/L	10.0	8	0	nd	6	0	nd
vinyl chloride	µg/L	10.0	8	0	nd	6	0	nd
chloroethane	µg/L	10.0	8	0	nd	6	0	nd
methylene chloride	µg/L	5.0	8	2	0.5 - 0.8	6	2	0.5 - 1.0
acetone	µg/L	10.0	8	1	2.0	6	1	1.0
carbon disulfide	µg/L	5.0	8	0	nd	6	0	nd
vinyl acetate	µg/L	10.0	8	0	nd	6	0	nd
1,1-dichloroethene	µg/L	5.0	8	1	0.3	6	2	0.6 - 2.0
1,1-dichloroethane	µg/L	5.0	8	0	nd	6	1	0.6
cis-1,2-dichloroethene	µg/L	5.0	8	0	nd	6	4	2.0 - 32.0
trans-1,2-dichloroethene	µg/L	5.0	8	2	0.4 - 1.0	6	1	0.6
chloroform	µg/L	5.0	8	0	nd	6	0	nd
1,2-dichloroethane	µg/L	5.0	8	0	nd	6	0	nd
2-butanone	µg/L	10.0	8	1	21.0	6	0	nd
1,1,1-trichloroethane	µg/L	5.0	8	3	0.4 - 2.0	6	2	3.0 - 5.0
carbon tetrachloride	µg/L	5.0	8	0	nd	6	0	nd
bromodichloromethane	µg/L	5.0	8	0	nd	6	0	nd
1,2-dichloropropane	µg/L	5.0	8	0	nd	6	0	nd
cis-1,3-dichloropropene	µg/L	5.0	8	0	nd	6	0	nd
trichloroethene	µg/L	5.0	8	3	0.3 - 5.0	6	4	14.0 - 220 0
dibromochloromethane	µg/L	5.0	8	0	nd	6	0	nd
1,1,2-trichloroethane	µg/L	5.0	8	0	nd	6	0	nd
benzene	µg/L	0.7	8	1	13.0	6	0	nd
trans-1,3-dichloropropene	µg/L	5.0	8	0	nd	6	0	nd
bromoform	µg/L	5.0	8	0	nd	6	0	nd
4-methyl-2-pentanone	µg/L	10.0	8	0	nd	6	0	nd
2-hexanone	µg/L	10.0	8	0	nd	6	0	nd
tetrachloroethene	µg/L	5.0	8	6	1.0 - 96.0	6	6	1.0 - 7.0
toluene	µg/L	5.0	8	1	0.2	6	0	nd
1,1,2,2-tetrachloroethane	µg/L	5.0	8	0	nd	6	0	nd
chlorobenzene	µg/L	5.0	8	0	nd	6	0	nd
ethylbenzene	µg/L	5.0	8	0	nd	6	0	nd
styrene	µg/L	5.0	8	0	nd	6	0	nd
xylene	µg/L	5.0	8	0	nd	6	0	nd
metals								
As (arsenic)	µg/L		8	0	nd	6	1	2.4
Ba (barium)	µg/L		8	6	49.4 - 70 6	6	6	43.7 - 276.0
Cr ⁺⁶ (hexavalent chromium)	mg/L		3	0	nd	3	0	nd
Fe (iron)	µg/L		8	8	24.0 - 510.0	6	6	12.7 - 403.0
Mn (manganese)	µg/L		8	8	157.0 - 1,602.0	6	6	50.1 - 994.0
Pb (lead)	µg/L		8	3	4.4 - 163.0	6	2	10.0 - 12.3
Sb (antimony)	µg/L		8	0	nd	6	0	nd
Se (selenium)	µg/L		8	1	2.0	6	1	5.4

Notes:

no.: number of analyses

det.: number of detections

range: detected concentration range

nd: not detected

Table 4-19
Claremont Polychemical Superfund Site
Maximum Detections, Onsite Wells

Analyte	units	ROD max (all wells)	historical onsite max (1986-89)	well	current onsite max (2000-01)	well
vinyl chloride	µg/L	7.0	12.0	SW-1	nd	-
methylene chloride	µg/L	14.0	140.0	SW-1	140.0	SW-1
acetone	µg/L	540.0	540.0	EW-1C	120.0	EW-4C
1,1-dichloroethane	µg/L	17.0	8.0	EW-1A	17.0	EW-2C
1,2-dichloroethene	µg/L	830.0	982.0	SW-1	83.0	EW-4A
<i>cis</i>			na	-	83.0	EW-4A
<i>trans</i>			982.0	SW-1	16.0	EW-2B
1,1,1-trichloroethane	µg/L	100.0	100.0	DW-1	170.0	EW-2C
trichloroethene	µg/L	260.0	260.0	DW-1	4,200.0	EW-4C
benzene	µg/L	60.0	60.0	DW-1	nd	-
tetrachloroethene	µg/L	1,300.0	1,300.0	SW-1	4,500.0	SW-1
ethylbenzene	µg/L	160.0	1.0	DW-1	nd	-
xylene	µg/L	40.0	2.0	EW-4A	nd	-
As (arsenic)	µg/L	56.5	29.7	EW-2A	5.7	EW-2A
Ba (barium)	µg/L	-	276.0	EW-5	100.0	SW-1
Cr (chromium, total)	µg/L	159.0	159.0	EW-2A	na	-
Cr ⁺⁶ (hexavalent chromium)	mg/L	-	na	-	nd	-
Fe (iron)	µg/L	-	49,900.0	EW-1A	28,700.0	EW-4A
Mn (manganese)	µg/L	3,130.0	1,380.0	EW-2A	1,500.0	EW-4A
Pb (lead)	µg/L	464.0	163.0	DW-2	33.2	SW-1
Sb (antimony)	µg/L	-	64.4	EW-1C	2.4	EW-2B
Se (selenium)	µg/L	-	19.0	SW-1	4.4	EW-1A

ROD data from US EPA 1990a

1989 data from Ebasco, 1990

1986 data from CA Rich, 1986

Table 5-4: Filtered Water to Inlet of Air Stripper
February 25, 2000 - February 7, 2001

Analyte	units	EPA cleanup goal	MDL	CLG06WA-001	CLG06WA-002	CLG06WA-003	CLG06WA-004	CLG06WA-005	CLG06WA-006	CLG06WA-007	CLG06WA-008	CLG06WA-009	CLG06WA-010	CLG06WA-011	CLG06WA-012	CLG06WA-025	CLG06WA-038	CLG06WA-049
Date analyzed				2/25/00	3/1/00	3/8/00	3/15/00	3/22/00	3/29/00	4/12/00	4/19/00	4/26/00	4/26/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01
VOCs				(5x)	(5x)	(5x)	(11.9X)	(11.3X)	(12.6X)	(5X)	(5X)	(5X)	(5x)	(5x)	(5x)	(2X)	(2X)	(2X)
chloromethane	µg/L		10.00	50.00 U	50.00 U	50.00 U	12.00 U	11.00 U	13.00 U	50.00 U	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
bromomethane	µg/L		10.00	50.00 U	50.00 U	50.00 U	12.00 U	11.00 U	13.00 U	50.00 U	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
vinyl chloride	µg/L		10.00	50.00 U	50.00 U	50.00 U	12.00 U	11.00 U	13.00 U	2.00 J	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
chloroethane	µg/L		10.00	50.00 U	50.00 U	50.00 U	12.00 U	11.00 U	13.00 U	1.00 J	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
methylene chloride	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	10.00 JB	5.00 J	12.00 J	18.00 J	28.00	6.00 J	10.00 U	4.00 J	0.80 J
acetone	µg/L		10.00	50.00 U	50.00 U	50.00 U	60.00 U	56.00 U	130.00	21.00 JB	8.00 JB	41.00 JB	21.00 JB	54.00	56.00 B	20.00 U	6.00 J	4.00 JB
carbon disulfide	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	0.60 J	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
vinyl acetate	µg/L		10.00	50.00 U	50.00 U	50.00 U	12.00 U	11.00 U	13.00 U	50.00 U	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
1,1-dichloroethene	µg/L		5.00	25.00 U	25.00 U	25.00 U	25.00	11.00 U	13.00 U	3.00 J	3.00 J	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	1.00 J	2.00 J
1,1-dichloroethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	2.00 J
1,2-dichloroethene (total)	µg/L							27.00	23.00									
cis- 1,2-dichloroethene	µg/L		5.00	19.00 J	17.00	23.00 J	24.00	26.00	22.00	22.00 J	21.00 J	23.00 J	18.00 J	17.00 J	16.00 J	18.00	13.00	13.00
trans- 1,2-dichloroethene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
chloroform	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	3.00 J	2.00 J	25.00 U	2.00 J	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
1,2-dichloroethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	25.00 U	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
2- butanone	µg/L		10.00	50.00 U	50.00 U	50.00 U	60.00 U	56.00 U	63.00 U	5.00 JB	10.00 U	50.00 U	15.00 JB	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
1,1,1-trichloroethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	4.20 J	4.00 J	7.00 J	25.00 U	3.00 J	25.00 U	25.00 U	10.00 U	4.00 J	5.00 J
carbon tetrachloride	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	1.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
bromodichloromethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	1.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
1,2-dichloropropane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	25.00 U	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
cis 1,3-dichloropropene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	0.50 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
trichloroethene	µg/L		5.00	260.00	210.00	300.00	370.00	410.00	430.00	390.00	440.00	510.00	440.00	340.00	300.00	280.00	320.00	290.00
dibromochloromethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	25.00 U	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
benzene	µg/L		0.70	4.00 U	4.00 U	4.00 U	12.00 U	11.00 U	13.00 U	2.00 J	0.70 J	4.00 U	4.00 U	4.00 U	4.00 U	1.00 U	0.40 J	1.00 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	25.00 U	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
bromoform	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	1.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	50.00 U	50.00 U	60.00 U	56.00 U	63.00 U	50.00 U	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
2-hexanone	µg/L		10.00	50.00 U	50.00 U	50.00 U	60.00 U	56.00 U	63.00 U	50.00 U	10.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	20.00 U	20.00 U
tetrachloroethene	µg/L		5.00	580.00	460.00	440.00	380.00	410.00	380.00	330.00	360.00	400.00	320.00	410.00	420.00	250.00	230.00	150.00
toluene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	2.00 J	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	2.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
chlorobenzene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	1.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
ethylbenzene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	1.00 J	5.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
styrene	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	0.40 J	0.80 J	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U
xylene (total)	µg/L		5.00	25.00 U	25.00 U	25.00 U	12.00 U	11.00 U	13.00 U	3.00 J	1.00 J	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	10.00 U	10.00 U

Notes:

Boldface: Value exceeds max cleanup goal

Italics : Value outside range

(#X): VOC dilution factor

U: Not detected

J: Estimated

R: Rejected

B: Contamination found in blank

NR: Not required

NA: Not analyzed

Table 5-5: Treated Water from Discharge of Air Stripper to Granular Activated Vessel A February 27, 2001 - February 7, 2001																			
Analyte	units	EPA cleanup goal	MDL	CLG07AWA-001	CLG07AWA-001	CLG07AWA-002	CLG07AWA-003	CLG07AWA-004	CLG07AWA-005	CLG07AWA-006	CLG07AWA-007	CLG07AWA-008	CLG07AWA-009	CLG07AWA-010	CLG07AWA-011	CLG07AWA-012	CLG07AWA-025	CLG07AWA-038	CLG07AWA-049
Date analyzed				2/27/00	2/29/00	3/1/00	3/8/00	3/15/00	3/22/00	3/29/00	4/13/00	4/19/00	4/25/00	4/26/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
chloromethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bromomethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
vinyl chloride	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
chloroethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
methylene chloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.50 JB	2.00 J	0.90 J	2.00 J	0.40 J	2.00 J	5.00 U	0.90 JB	0.40 J
acetone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 JB	2.00 JB	7.00 JB	2.00 JB	10.00 U	5.00 JB	10.00 U	10.00 U	3.00 JB
carbon disulfide	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
vinyl acetate	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethene (total)	ug/L							1.00 U	1.00 U										
cis- 1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trans- 1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chloroform	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2- butanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	1.00 JB	10.00 U	10.00 U	4.00 JB	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00	5.00 U	5.00 U	5.00 U	5.00 U
carbon tetrachloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromodichloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloropropane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
cis 1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.50	2.20	2.30	1.00 J	0.60 J	3.00 J	4.00 J	0.60 JU	2.00 J	4.00 J	2.00 J	1.00 J
dibromochloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
benzene	µg/L		0.70	0.70 U	0.70 U	0.70 U	0.70 U	1.00 U	1.00 U	1.00 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
trans-1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromoform	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 UU	5.00 U	5.00 U	5.00 U	5.00 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-hexanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
tetrachloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.40	1.90	1.80	1.00 J	0.80 J	2.00 J	2.00 J	0.80 J	2.00 J	3.00 J	1.00 J	1.00 J
toluene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chlorobenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
ethylbenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
styrene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
xylene (total)	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
WATER QUALITY																			
TSS	mg/L			10.00 U	10.00 U	10.00 U	10.00 U		64.30	0.80	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
TDS	mg/L																		
TOC	mg/L			1.84	1.32	1.51	1.59		1.40	2.50	1.00 U	1.00 U		3.09	1.84	2.23	1.00 U	1.48	1.00 U

Notes:

Boldface: Value exceeds max cleanup goal
Italics : Value outside range
 (#X): VOC dilution factor

U: Not detected
 J: Estimated
 R: Rejected

B: Contamination found in blank
 NR: Not required
 NA: Not analyzed

Table 5-6: Treated Water from Discharge of Air Stripper to Granular Activated Vessel B February 27, 2001 - February 7, 2001																			
Analyte	units	EPA cleanup goal	MDL	CLG07BWA-001	CLG07BWA-001	CLG07BWA-002	CLG07BWA-003	CLG07BWA-004	CLG07BWA-005	CLG07BWA-006	CLG07BWA-007	CLG07BWA-008	CLG07BWA-009	CLG07BWA-010	CLG07BWA-011	CLG07BWA-012	CLG07BWA-025	CLG07BWA-038	CLG07BWA-049
Date analyzed				2/27/00	2/29/00	3/1/00	3/8/00	3/15/00	3/22/00	3/29/00	4/13/00	4/19/00	4/25/00	4/26/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
chloromethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bromomethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
vinyl chloride	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
chloroethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
methylene chloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.60 JB	2.00 J	1.00 J	0.50 J	6.00	0.60 J	5.00 U	1.00 J	0.60 J
acetone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	1.00 JB	2.00 JB	2.00 JB	1.00 JB	10.00 U	10.00 U	10.00 U	10.00 U	3.00 JB
carbon disulfide	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
vinyl acetate	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethene (total)	ug/L							1.00 U	1.00 U										
cis- 1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.20 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trans- 1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chloroform	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2- butanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	1.00 JB	10.00 U	10.00 U	1.00 JB	10.00 U	2.00 JB	10.00 U	10.00 U	10.00 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
carbon tetrachloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromodichloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloropropane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
cis 1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.20	2.60 U	2.30	2.00 J	0.60 J	3.00 J	3.00 J	5.00 U	1.00 J	3.00 J	3.00 U	2.00 J
dibromochloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
benzene	µg/L		0.70	0.70 U	0.70 U	0.70 U	0.70 U	1.00 U	1.00 U	1.00 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
trans-1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromoform	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-hexanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
tetrachloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.10	2.20	1.80	1.00 J	0.70 J	2.00 J	2.00 J	0.60 J	1.00 J	2.00 J	2.00 U	1.00 J
toluene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	5.00 U	1.00 U	0.10 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chlorobenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
ethylbenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
styrene	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.10 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
xylene (total)	µg/L		5.00	5.00 U	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.20 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
WATER QUALITY																			
TSS	mg/L			10.00 U	10.00 U	10.00 U	10.00 U		0.50	1.00	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
TDS	mg/L																		
TOC	mg/L			1.00 U	1.06	1.21	1.29		1.50	2.30	1.00 U	1.00 U		2.47	2.14	1.96	1.80	1.19	1.00 U

Notes:

Boldface: Value exceeds max cleanup goal
Italics : Value outside range
 (#X): VOC dilution factor

U: Not detected
 J: Estimated
 R: Rejected

B: Contamination found in blank
 NR: Not required
 NA: Not analyzed

Table 5-7: Polished Water Disharged from Granular Ativated Carbon Vessel A to Treated Effluent Tank
February 27, 2000 - February 7, 2001

Analyte	units	EPA cleanup goal	MDL	CLG08AWA001	CLG08AWA-002	CLG08AWA-003	CLG08AWA-004	CLG08AWA-005	CLG08AWA-006	CLG08AWA007	CLG08AWA008	CLG08AWA009	CLG08AWA-010	CLG08AWA-011	CLG08AWA-012	CLG08AWA-025	CLG08AWA-038	CLG08AWA-049
Date Analyzed				2/27/00	3/1/00	3/8/00	3/15/00	3/22/00	3/29/00	4/13/00	4/19/00	4/25/00	4/26/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
chloromethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bromomethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
vinyl chloride	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
chloroethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
methylene chloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.60 JB	2.00 J	1.00 J	0.40 J	0.60 J	2.00 JB	5.00 U	0.60 JB	0.40 J
acetone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	2.00 JB	1.00 JB	10.00 U	1.00 JB	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
carbon disulfide	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
vinyl acetate	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 U	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethene (total)	µg/L							1.00 U	1.00 U									
<i>cis</i> -1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
<i>trans</i> -1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chloroform	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2- butanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	1.00 JB	10.00 U	10.00 U	2.00 JB	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
carbon tetrachloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromodichloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloropropane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
<i>cis</i> 1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	0.65 J	1.00 U	1.00 U	0.20 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.30 J	1.00 J
dibromochloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
benzene	µg/L		0.70	0.70 U	0.70 U	0.70 U	1.00 U	1.00 U	1.00 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
<i>trans</i> -1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromoform	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-hexanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
tetrachloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	0.61 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.00 J	0.50 J
toluene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chlorobenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
ethylbenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
styrene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
xylene (total)	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
WATER QUALITY																		
TSS	mg/L			10.00 U	10.00 U	10.00 U		1.50	1.20	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
TDS	mg/L																	
TOC	mg/L			1.00 U	1.00 U	1.00 U		0.60	1.30	1.00 U	1.00 U		2.22	6.26	2.31	1.00 U	1.00 U	1.00 U

Notes:

Boldface: Value exceeds max cleanup goal

Italics : Value outside range

(#X): VOC dilution factor

U: Not detected

J: Estimated

R: Rejected

B: Contamination found in blank

NR: Not required

NA: Not analyzed

Table 5-8: Polished Water Disharged from Granular Ativated Carbon Vessel B to Treated Effluent Tank
February 27, 2000 - February 7, 2001

Analyte	units	EPA cleanup goal	MDL	CLG08BWA-001	CLG08BWA-002	CLG08BWA-003	LG08BWA-004	CLG08BWA-005	CLG08BWA-006	CLG08BWA-007	CLG08BWA-008	CLG08BWA-009	CLG08BWA-010	CLG08BWA-011	CLG08BWA-012	CLG08BWA-025	CLG08BWA-038	CLG08BWA-049
Date Analyzed				2/27/00	3/1/00	3/8/00	3/15/00	3/22/00	3/29/00	4/13/00	4/20/00	4/26/00	4/26/00	5/3/00	5/10/00	8/9/00	11/15/00	2/7/01
VOCs				(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)	(1X)
chloromethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 J	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bromomethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 J	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
vinyl chloride	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 J	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
chloroethane	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 J	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
methylene chloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	0.50 JB	5.00 U	1.00 J	0.50 J	0.60 J	1.00 J	5.00 U	0.60 JB	0.40 J
acetone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 J	5.00 U	5.00 U	1.00 JB	10.00 U	1.00 JB	10.00 U	10.00 U	3.00 JB	10.00 U	10.00 U	2.00 JB
carbon disulfide	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
vinyl acetate	µg/L		10.00	10.00 U	10.00 U	10.00 U	1.00 J	1.00 U	1.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,1-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethene (total)	µg/L							1.00 U	1.00 U									
<i>cis</i> -1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.50 J
<i>trans</i> -1,2-dichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chloroform	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
2- butanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 J	5.00 U	5.00 U	1.00 JB	10.00 U	10.00 U	1.00 JB	10.00 U	3.00 JB	10.00 U	10.00 U	10.00 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
carbon tetrachloride	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromodichloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,2-dichloropropane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
<i>cis</i> 1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
trichloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	0.44 U	1.00 U	1.00 U	0.20 J	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.80 J	2.00 J
dibromochloromethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
benzene	µg/L		0.70	0.70 U	0.70 U	0.70 U	1.00 J	1.00 U	1.00 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
<i>trans</i> -1,3-dichloropropene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
bromoform	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 J	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-hexanone	µg/L		10.00	10.00 U	10.00 U	10.00 U	5.00 J	5.00 U	5.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
tetrachloroethene	µg/L		5.00	5.00 U	5.00 U	5.00 U	0.44 U	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	2.00 J	0.70 J
toluene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
chlorobenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
ethylbenzene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
styrene	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
xylene (total)	µg/L		5.00	5.00 U	5.00 U	5.00 U	1.00 J	1.00 U	1.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
WATER QUALITY																		
TSS	mg/L			10.00 U	10.00 U	10.00 U		1.00	0.60	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U
TDS	mg/L																	
TOC	mg/L			1.00 U	1.00 U	1.00 U		1.10	1.20	1.00 U	1.00 U		2.44	1.34	2.24	1.00 U	1.00 U	1.00 U
chloride	mg/L																	

Notes:

Boldface: Value exceeds max cleanup goal

Italics: Value outside range

(#X): VOC dilution factor

U: Not detected

J: Estimated

R: Rejected

B: Contamination found in blank

NR: Not required

NA: Not analyzed

Table 5-10: Treated System Effluent from Effluent Storage Tank - SVOCs
July 13, 2000 - April 18, 2001

Analyte	units	EPA cleanup goal	MDL	CLTP09WA-21	CLG09WA-031	CLG09WA035	CLG-09WA-042	CL09WA-047	CL09WA-055	CL09WA-059
Date Analyzed				7/13/00	9/20/00	10/19/00		1/24/01	3/21/01	4/18/01
SVOCs										
phenol	µg/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bis(2-chloroethyl)ether	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-chlorophenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,3-dichlorobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,4-dichlorobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzyl alcohol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,2-dichlorobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-methylphenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,2'-oxybis(1-chloropropane)	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-methylphenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
N-nitroso-di-n-propylamine	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
hexachloroethane	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
nitrobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
isophorone	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-nitrophenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4-dimethylphenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzoic acid	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
bis(2-chloroethoxy) methane	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4-dimethylphenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
1,2,4-trichlorobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
naphthalene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-chloroaniline	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
hexachlorobutadiene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-chloro-3-methylphenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-methylnaphthalene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
hexachlorocyclopentadiene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4,6-trichlorophenol	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4,5-trichlorophenol	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
2-chloronaphthalene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2-nitroaniline	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
dimethylphthalate	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
acenaphthylene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,6-dinitrotoluene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
3-nitroaniline	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
acenaphthene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4-dinitrophenol	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
4-nitrophenol	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
dibenzofuran	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
2,4-dinitrotoluene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
diethylphthalate	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-chlorophenyl-phenylether	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
fluorene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-nitroaniline	ug/L			20.00 U	22.00 U	20.00 U	20.00 U	20.00 U	20.00 U	20.00 U
4,6-dinitro-2-methylphenol	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
N-nitrosodiphenylamine	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
4-bromophenyl-phenylether	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
hexachlorobenzene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
pentachlorophenol	ug/L			50.00 U	56.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U
phenanthrene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
anthracene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
carbazole	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
di-n-butylphthalate	µg/L		10.00	10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
fluoranthene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
pyrene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
butylbenzylphthalate	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
3,3'-dichlorobenzidine	ug/L			20.00 U	22.00 U	20.00 U	20.00 U	20.00 U	20.00 U	20.00 U
benzo(a)anthracene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
chrysene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
bis (2-ethylhexyl)phthalate	µg/L		10.00	0.60 JB	2.00 JB	10.00 U	10.00 U	10.00 U	0.20 J	0.60 J
di-n-octylphthalate	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzo(b)fluoranthene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzo(k)fluoranthene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzo(a)pyrene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
indeno(1,2,3-cd) pyrene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
dibenzo (a,h)anthracene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U
benzo(g,h,i)perylene	ug/L			10.00 U	11.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U

Notes:

Boldface: Value exceeds max cleanup goal
Italics: Value outside range
 (#X): VOC dilution factor

U: Not detected
 J: Estimated
 R: Rejected

B: Contamination found in blank
 NR: Not required
 NA: Not analyzed

Table 5-11: Treated System Effluent from Effluent Storage Tank - Metals
February 25, 2000 - February 7, 2001

Analyte	units	EPA cleanup goal	MDL	CLG09WA-001	CLG09WA-002	CLG09WA-003	CLG09WA-005	CLG09WA-006	CLG09WA-007	CLG09WA-008	CLG09WA-009	CLG09WA-010	CLG09WA-011	CLG09WA-012	CLTPO9WA-016	CLTP09WA-021	CLG09WA-025	CLG09WA-031	CLG09WA-035	CLG09WA-038	CLG09WA-042	CLG09WA-042	CL09WA-047	CLG09WA-049
Date Analyzed				2/25/00	3/1/00	3/8/00	3/22/00	3/29/00	4/13/00	4/17/00	4/26/00	4/26/00	5/3/00	5/10/00	6/16/00	7/13/00	8/9/00	9/20/00	10/19/00	11/15/00			1/24/01	2/7/01
metals																								
Ag (silver)	µg/L																							
Al (aluminum)	µg/L																							
As (arsenic)	µg/L			3.00 U	3.00 U	81.90	0.50 U	0.50 U	5.60 B	3.10 U	3.10 U	3.10 U	3.10 U	3.10 U	9.00 U	2.00 U	2.20 B	2.50 U	5.00 U	2.50 U	5.00 U		3.50 U	3.00 U
Ba (barium)	µg/L			72.90 B	72.70 B	2740.00	63.40	62.10	3.10 U	65.00 B	62.80 B	62.00 B	68.10 B	70.20 B	4.00 U	61.60 B	72.10 B	37.60 B	84.20 B	72.70 B	86.10 B		70.80 B	71.30 B
Be (beryllium)	µg/L								55.80 B						84.30 B									
Ca (calcium)	µg/L																							
Cd (cadmium)	µg/L																							
Co (cobalt)	µg/L																							
Cr (chromium)	µg/L																							
Cu (copper)	µg/L																							
Fe (iron)	µg/L			32.00 U	402.00	1.31E+05	99.00	13.60 B		20.10 B	26.00 B	55.90 B	14.00 B	56.30 B		210.00	46.00 B	44.70 B	84.60 B	289.00	102.00		50.00 U	48.40 B
Hg (mercury)	µg/L								468.00						461.00									
K (potassium)	µg/L								1.90 B						2.00 U									
Mg (magnesium)	µg/L						8270.00	7970.00																
Mn (manganese)	µg/L			42.40	138.00	6.80E+04	53.90	29.80		19.60	16.00	17.50	35.50	155.00	866.00	243.00	238.00	6560.00	136.00	139.00	102.00		34.80	38.90
Na (sodium)	µg/L																							
Ni (nickel)	µg/L								9.30 B															
Pb (lead)	µg/L			2.00 U	2.00 U	57.40	0.46 U	0.46 U		1.90 B	1.80 B	1.30 U	1.30 B	1.30 U		1.30 U	1.30 U	2.00 U	2.00 U	2.00 U	3.00 U		2.00 U	3.00 U
Sb (antimony)	µg/L			3.00 U	5.40 B	3.90 U	0.92 U	0.92 U		5.90 B	1.50 U	2.10 U	2.10 U	2.10 U	5.00 U	2.10 U	2.10 U	5.00 U	5.00 U	5.00 U	5.00 U		5.00 U	2.00 U
Se (selenium)	µg/L			3.00 U	3.00 U	3.90 U	0.08 U	0.80 U	1.50 U	1.50 U	2.50 B	1.50 U	1.50 U	1.50 U		3.40 U	3.40 U	5.00 U	6.00 U	5.00 U	5.00 U		4.00 U	3.00 U
Tl (thallium)	µg/L																							
V (vanadium)	µg/L																							
Zn (zinc)	µg/L																							
WATER QUALITY																								
pH	su																							
dissolved oxygen	mg/L																							
ORP	mV																							
temperature	°C																							
turbidity	NTU																							
conductivity	MS/cm																							
hexavalent chromium	mg/L			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U	0.00 U	0.01 U		0.01 U	0.01 U	0.01 U
TSS	mg/L			10.00 U	10.00 U	10.00 U	1.20	1.30	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U		5.00 U	5.00 U	5.00 U	5.00 U	5.00 U		5.00 U	25.00	5.00 U
TDS	mg/L			365.00	389.00	382.00	444.00	430.00		390.00		389.00	391.00	407.00			388.00			321.00				264.00
TOC	mg/L																							
chloride	mg/L			80.20	92.10	84.00	85.00	76.00	80.70	83.30		85.80	103.00	121.00			144.00			101.00				90.40
fluoride	mg/L			0.09	0.10	0.05 U	0.10	0.10 U	0.05 U	0.05 U		0.10	0.14	0.05 U		0.14	0.05			0.14				0.10 U
TKN	mg/L			0.10 U	0.10 U	0.10 U	0.24 U	0.24 U	0.10 U	0.21		0.17	0.23	0.10 U			0.13	0.51	0.17	0.14		0.10 U	0.16	0.10 U
sulfate	mg/L			70.70	74.10	72.70	69.40	69.00	66.80	67.20		72.50	69.90	66.90			65.10			58.60				55.90
Percent solids																								
Nitrate/Nitrite							2.7	2.70								3.72	3.06	3.31	3.31			3.43	3.75	

Notes:

Boldface: Value exceeds max cleanup goal
Italics : Value outside range
(#X): VOC dilution factor

U: Not detected
J: Estimated
R: Rejected

B: Contamination found in blank
NR: Not required
NA: Not analyzed

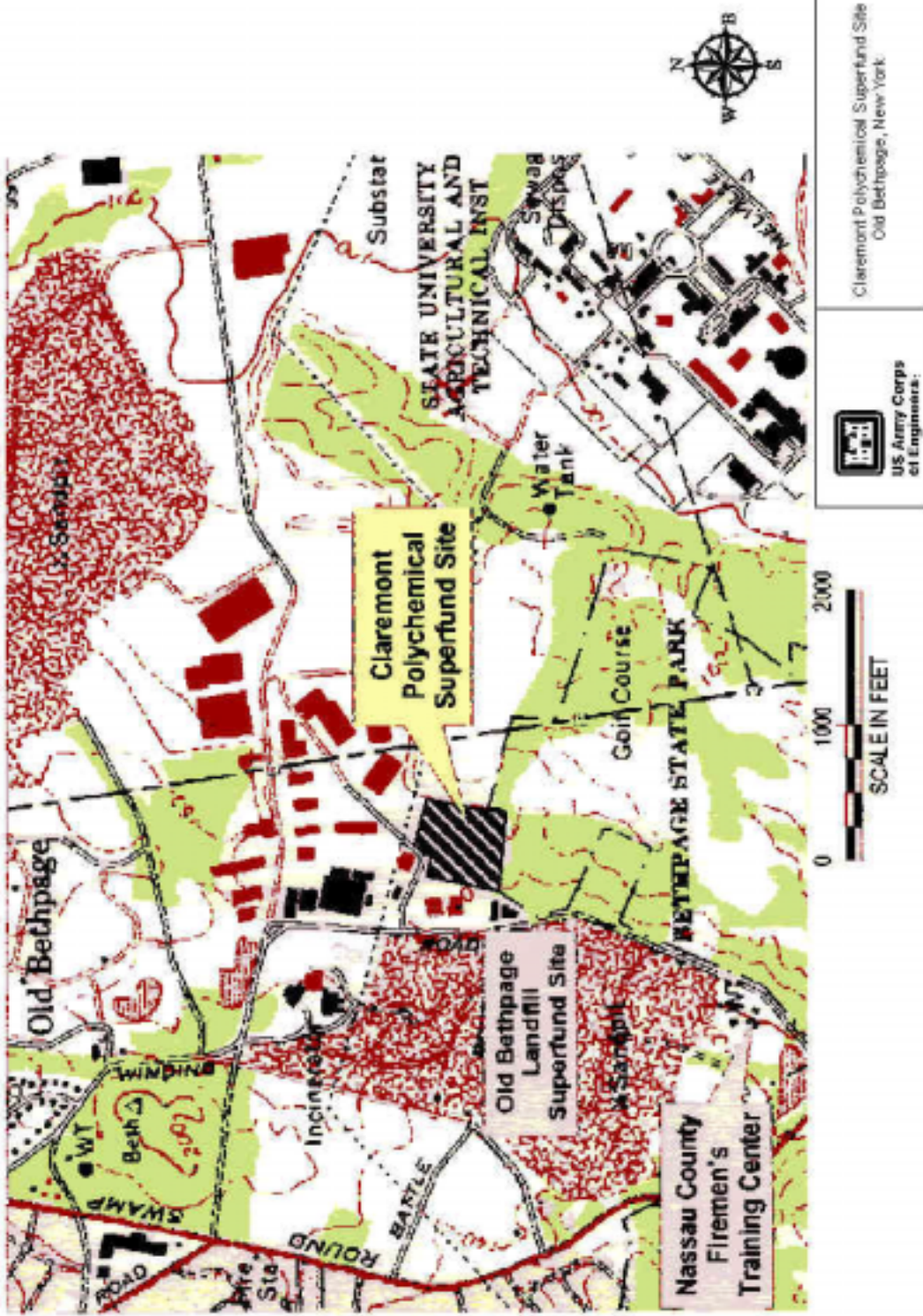
Table 5-12: Summary of Operational Problems and Corrective Actions for February 2000 - December 2001

MONTH	SIGNIFICANT OPERATIONAL PROBLEMS	CORRECTIVE ACTIONS SUMMARY
February 2000	Treated water storage tank #1 pipe froze and broke	Replaced pipe
	Lower man way for GAC vessel number 2 leaking	Replaced gasket
	Injection wells clogging	Acid cleaned and purged
March 2000	Recycle pumps coupling sheared	Replaced couplings
	Extraction well number 2 pipe broke at well casing	Repaired pipe
April 2000	Air compressor hose ruptured	Replaced hose
	Air compressor system tripped out	Replaced fuses
	Sandfilters 1 and 2 clogging	Acid cleaned
May 2000	Plant inline strainer clogged and inaccessible	Installed basket strainer
	Clarifiers 1 and 2 allowing carryover to sand filter	Drained and cleaned clarifiers
June 2000	Sand filters 1 and 2 clogging	Acid cleaned
July 2000	Extraction well number 2 pipe broke at hill top	Repaired pipe in August
	Level transmitter signal malfunction at MCP	Repaired level transmitter
August 2000	No significant operational problems	
September 2000	GAC differential pressures above 10"	Backwashed GAC vessels 1 and 2 on a weekly basis
October 2000	Recycle system pumps down	Replaced S-flex couplings
	Air Compressor (air Drier system) malfunction	Replaced condensate auto drain system
	Injection well number 3 flow meter seizing up	Restarted by exercising valves
	Hydrochloric acid metering pump seal leaking	Rebuilt pump
November 2000	Electronic extraction/injection well totalizer readings seized on computer	Reset totalizers to zero via Austin, TX modem connection
	Injection well number 3 flow meter seizing up	Restarted by exercising valves
December 2000	Injection well number 3 flow meter seizing up	Removed, cleaned, and replaced
	Exterior tank level indicator/transmitter froze	Installed temporary heat trace and insulation
January 2001	Level indicator transmitter (LIT) malfunction shorted out MCP signal input	Repaired LIT
	Sand filters overflowing	Removed solids inventory by scouring and pumping-acid cleaned nozzles
February 2001	EW number 1 flow meter seized up	Replaced in August '01
March 2001	Clarifiers 1 and 2 allowing carryover to the sand filter	Drained and cleaned clarifiers
	Sand filter #2 flow control valve seized up	Rebuilt stem seal
April 2001	Air stripper bypass line isolation valve leaking	Replaced flanges for valve
	Sand filters 1 and 2 clogging	Acid cleaned
May 2001	Extraction well #2 flow meter malfunctioning	Restarted by exercising valves
June 2001	Plant discharge showing signs of breakthrough	Replaced aqueous phase GAC
	Flow transmitter malfunction shorted out MCP signal input	Cleaned wiring block connections
	Fire alarm system fault triggered by thunderstorm/power surge	Cleared system
July 2001	Process stream contaminated with carbon dust	Recycled/flushed plant at low flow; cleaned clarifiers and sandfilter
	Extraction well #2 flow meter seized up	Replaced in August '01
	Extraction #1 pipe broke at hill top	Replaced in August '01
August 2001	No significant operational problems	
September 2001	No significant operational problems	
October 2001	No significant operational problems	
November 2001	No significant operational problems	
December 2001	Sand filter nozzles clogging due to solids inventory	

**Table 5-13: Quantity of Contaminated Groundwater Treated from July
1999 - December 2001**

MONTH	QUANTITY TREATED (THOUSAND GALLONS)	CUMULATIVE QUANTITY (THOUSAND GALLONS)
SYSTEM TESTING IN 1999	77.04	77.04 (NOT INCLUDED IN CUMULATIVE TOTAL)
1999		
JULY	7.49	7.49
AUGUST	464.00	471.49
SEPTEMBER	1,036.98	1,508.47
OCTOBER	1,295.19	2,803.66
NOVEMBER	2,972.10	5,775.76
DECEMBER	4,890.11	10,665.87
2000		
JANUARY	2,841.20	13,507.07
FEBRUARY	9,098.34	22,605.41
MARCH	15,293.86	37,899.27
APRIL	12,079.86	49,979.13
MAY	15,057.18	65,036.31
JUNE	10,617.10	75,653.41
JULY	12,562.22	86,215.63
AUGUST	14,914.49	103,130.12
SEPTEMBER	13,580.40	116,710.52
OCTOBER	15,454.97	132,165.49
NOVEMBER	15,423.41	147,588.90
DECEMBER	15,081.94	162,670.84
2001		
JANUARY	13,247.75	175,918.58
FEBRUARY	13,306.60	189,225.19
MARCH	15,367.37	204,592.55
APRIL	14,103.85	218,696.40
MAY	14,003.18	232,699.58
JUNE	13,852.85	246,552.24
JULY	11,453.72	258,005.95
AUGUST	15,388.14	273,392.10
SEPTEMBER	13,730.25	287,122.35
OCTOBER	15,472.66	302,595.01
NOVEMBER	15,941.00	318,536.02

Figures

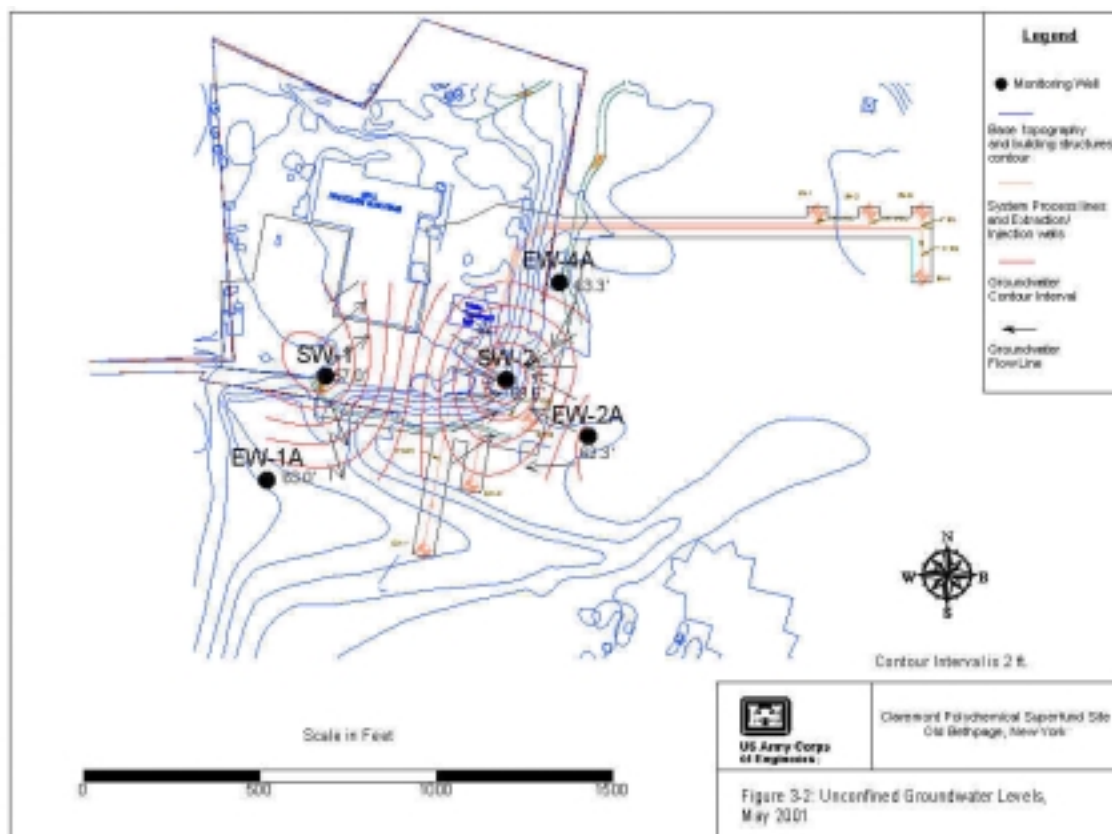
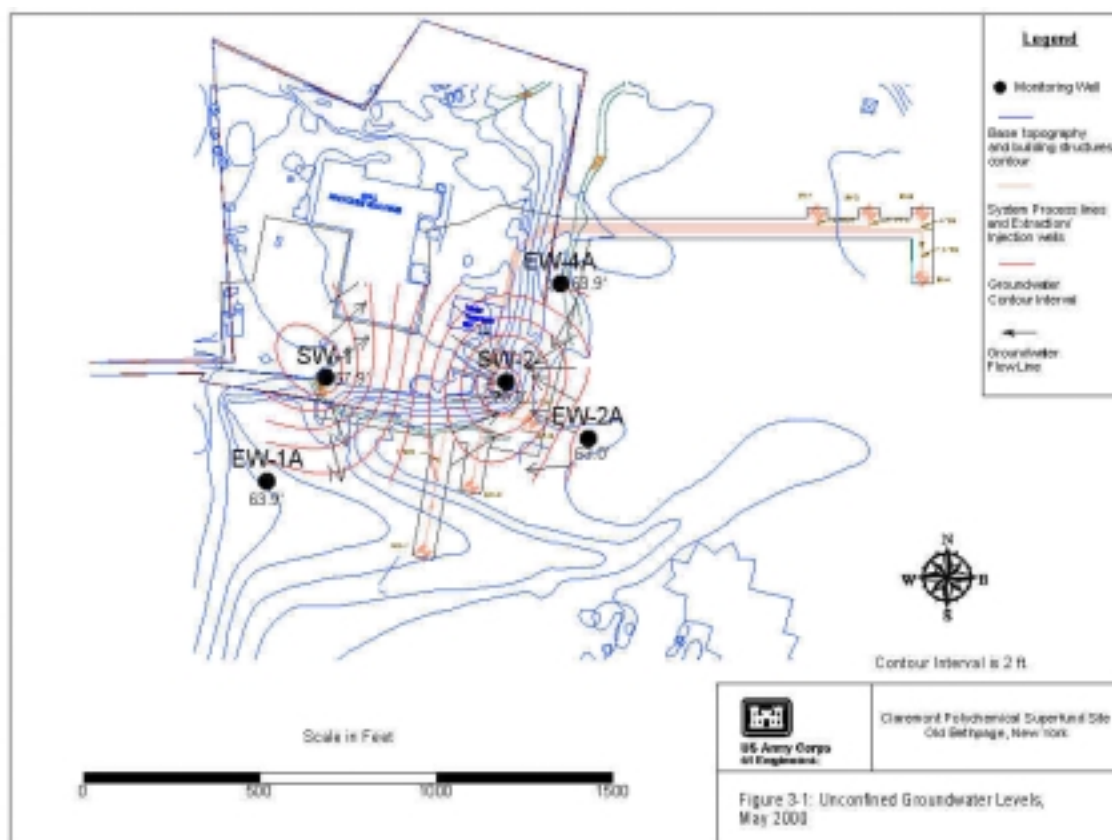


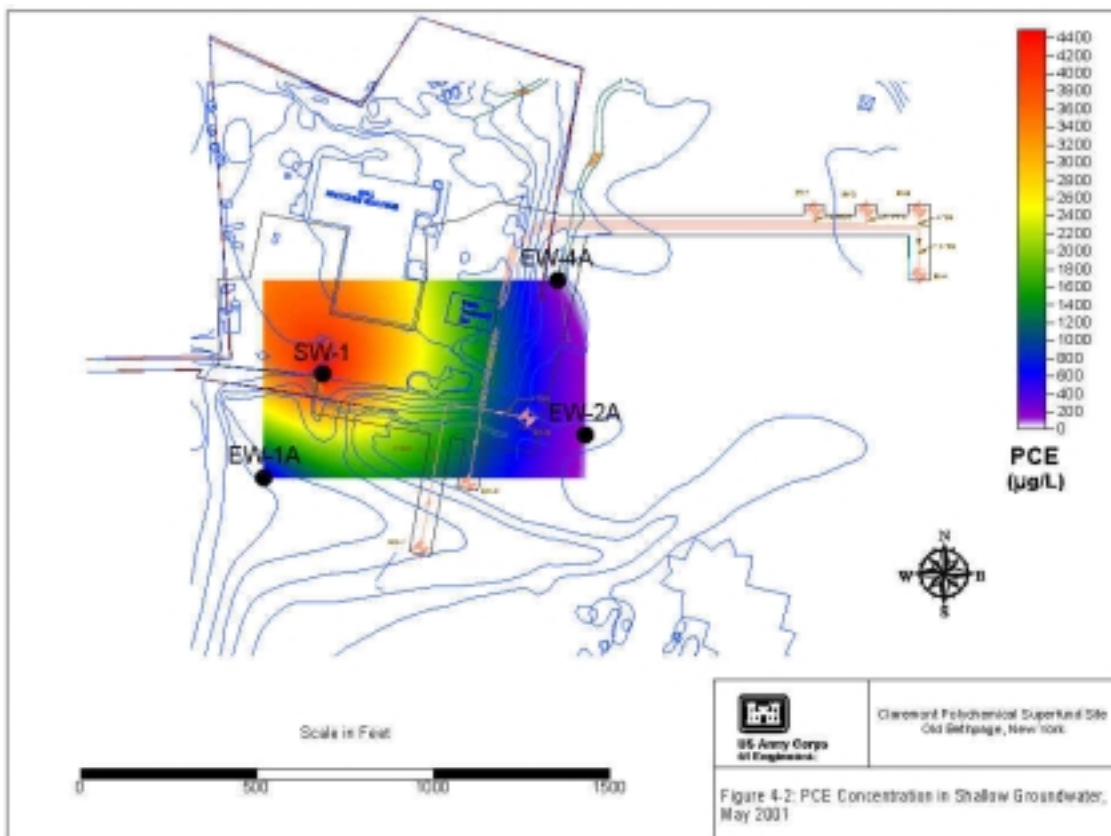
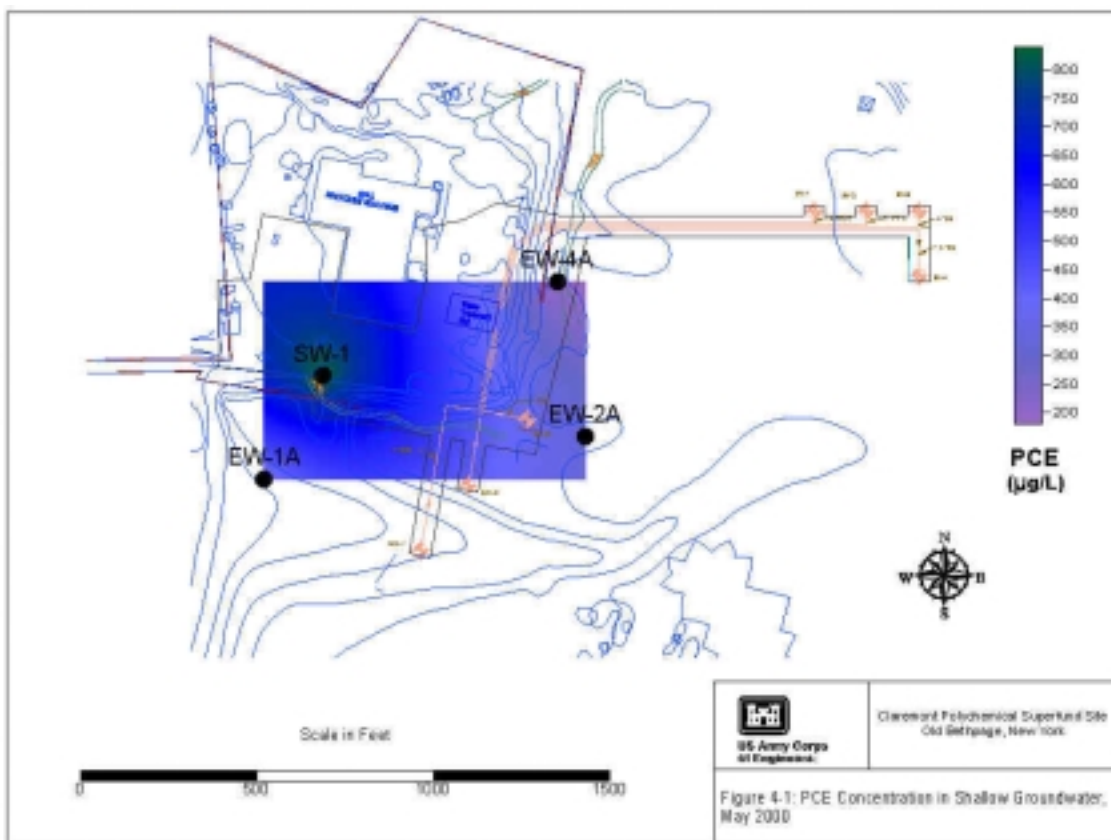
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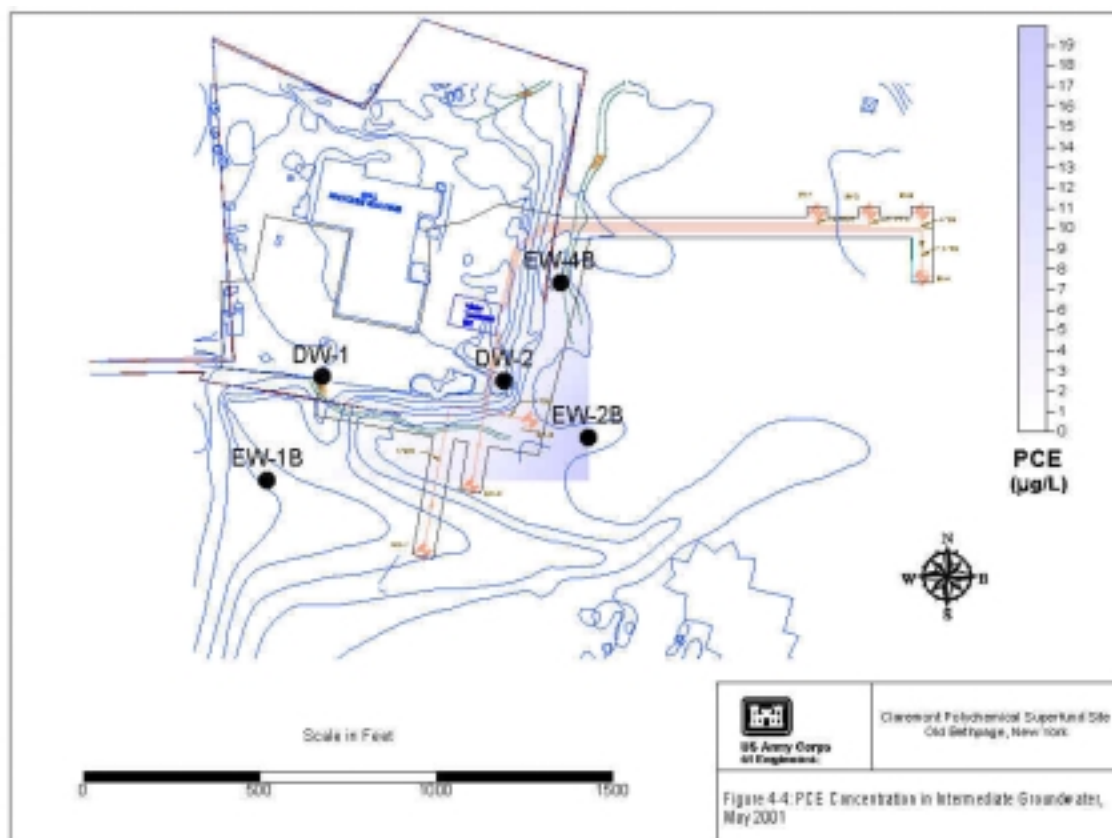
Claremont Polychemical Superfund Site
Old Bethpage, New York

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

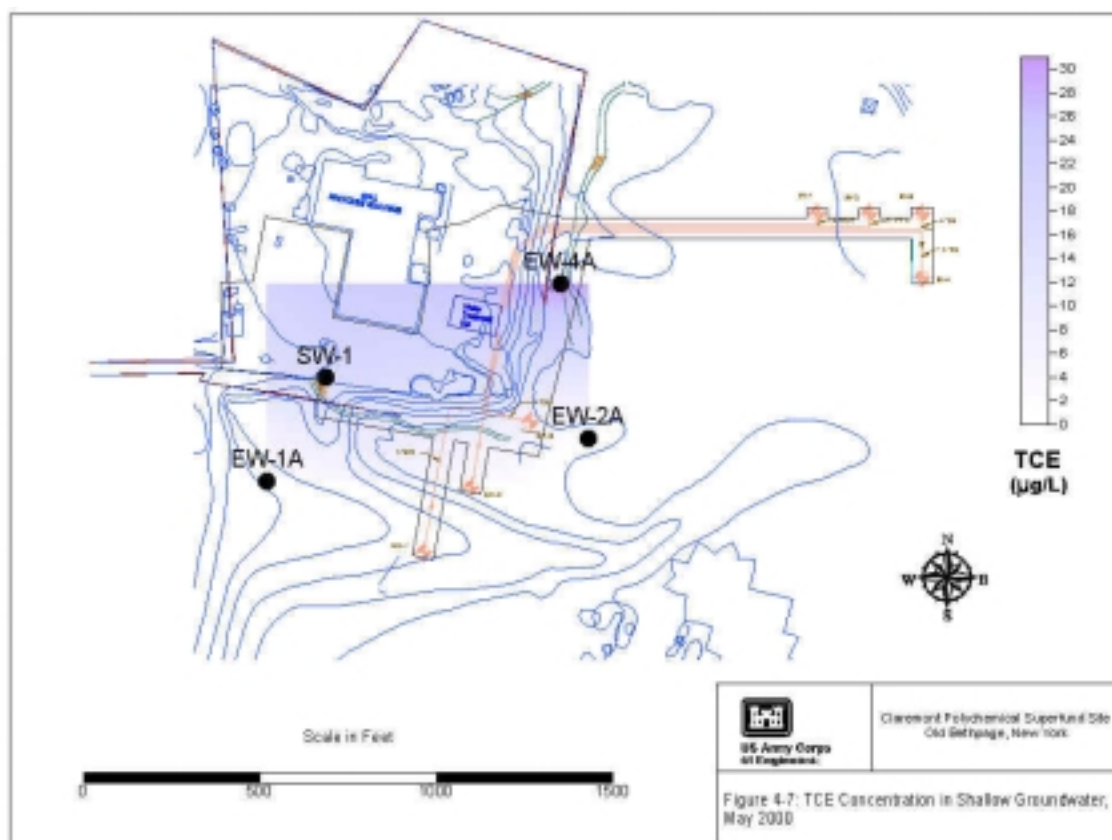
Note: This figure was adapted from the Draft Remediation System Evaluation Report (USACE, 2001)

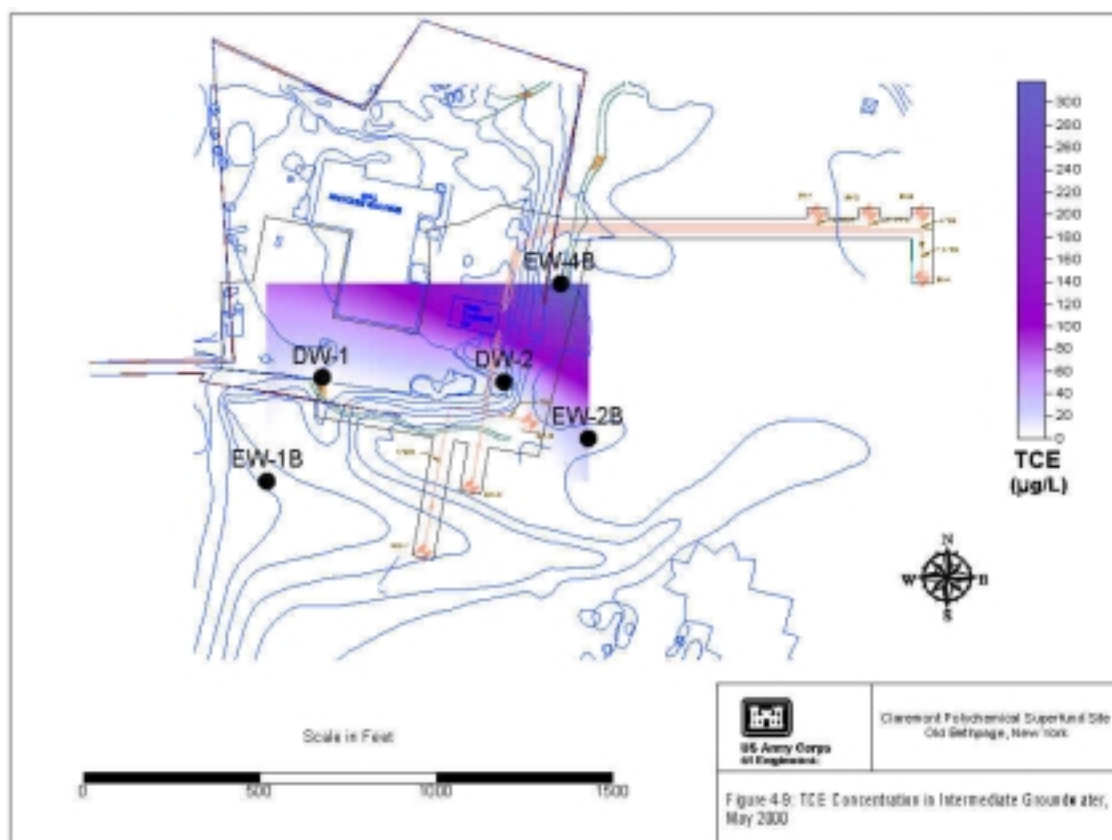












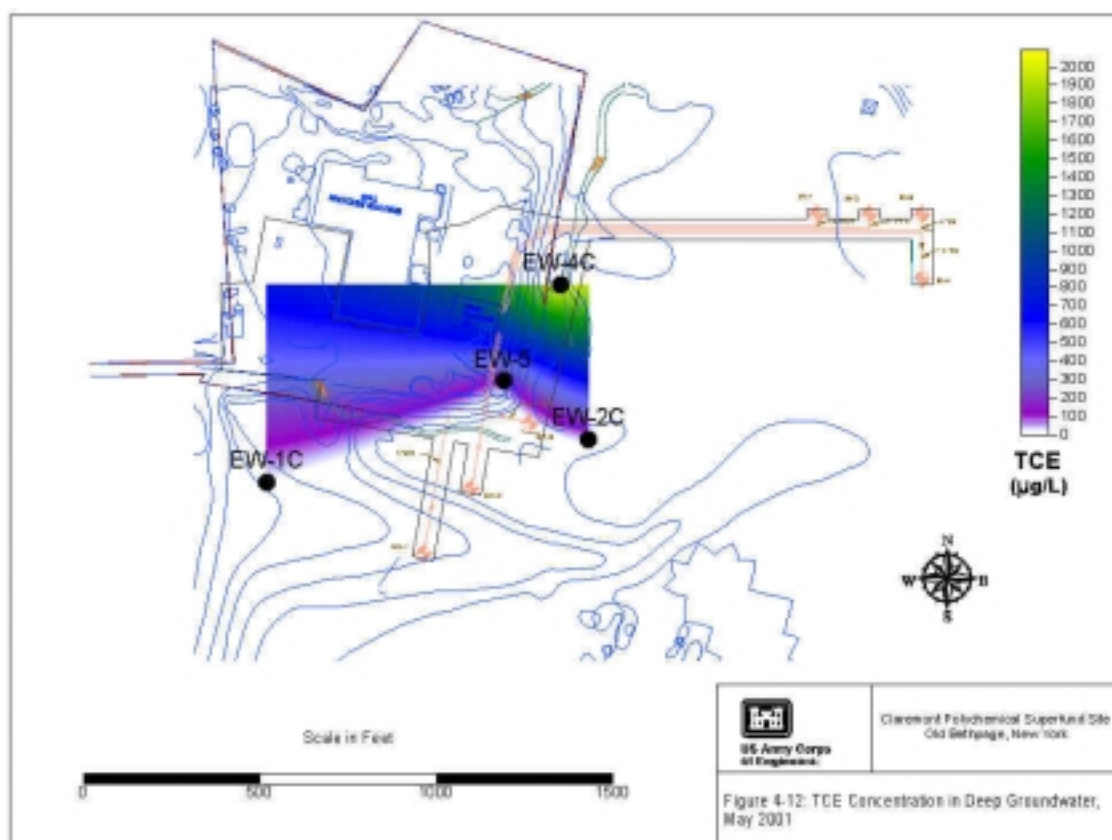
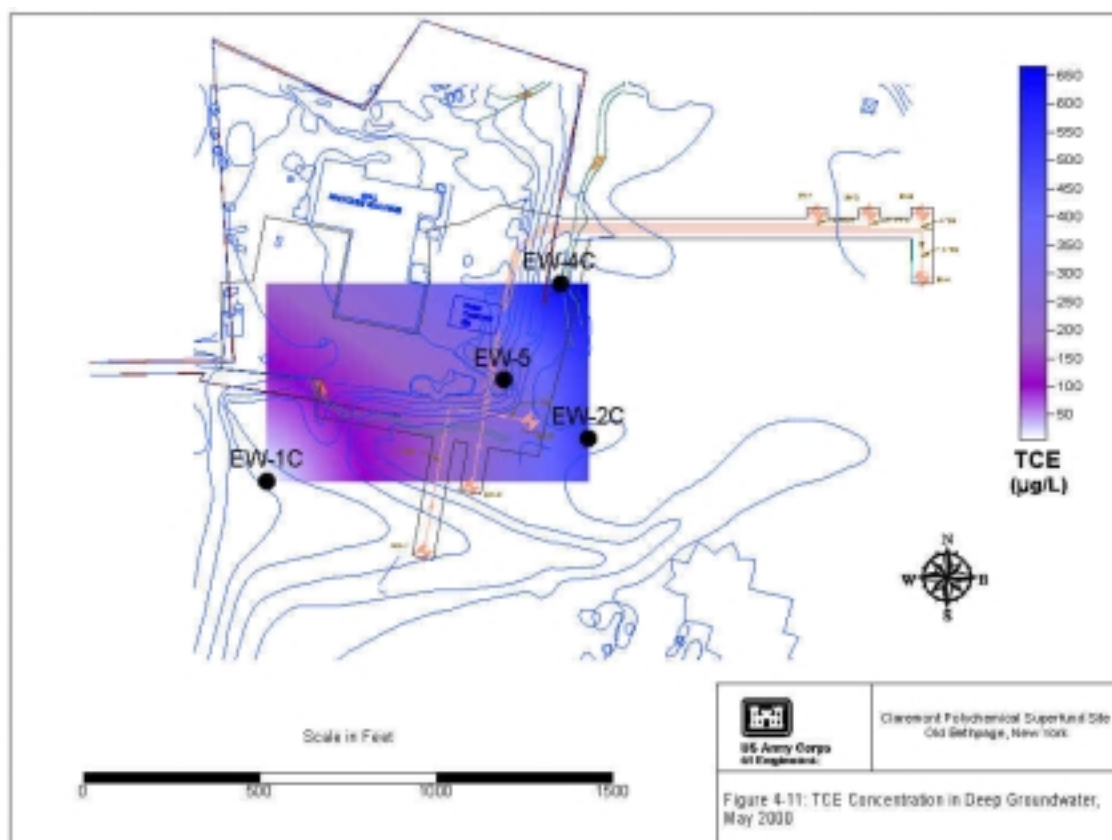


Figure 5-1: Generalized Process Flow Diagram for Treatment of Groundwater at Claremont

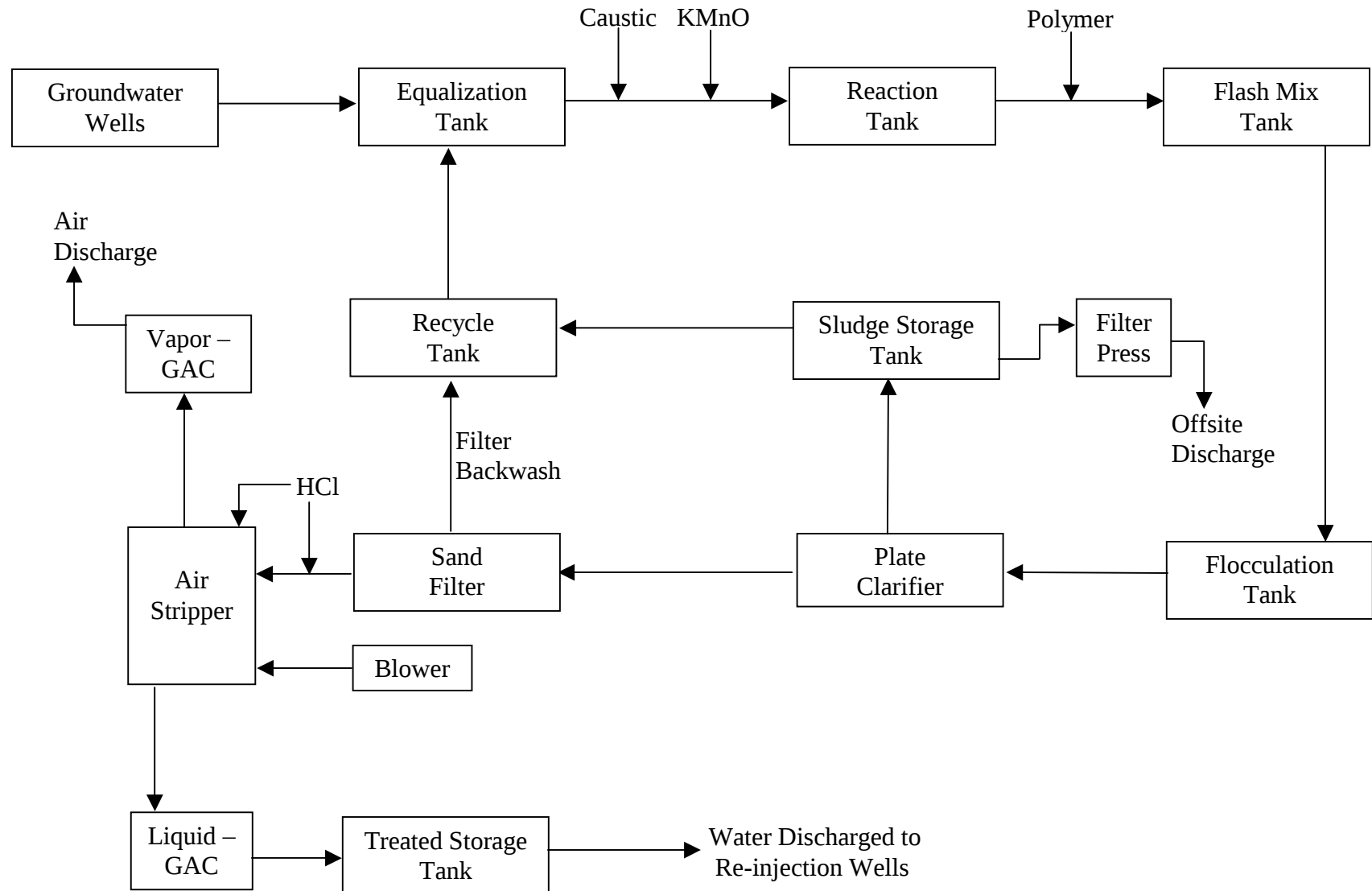


Figure 5-2: Groundwater Influent Concentration (PCE, TCE, and DCE) vs. Time

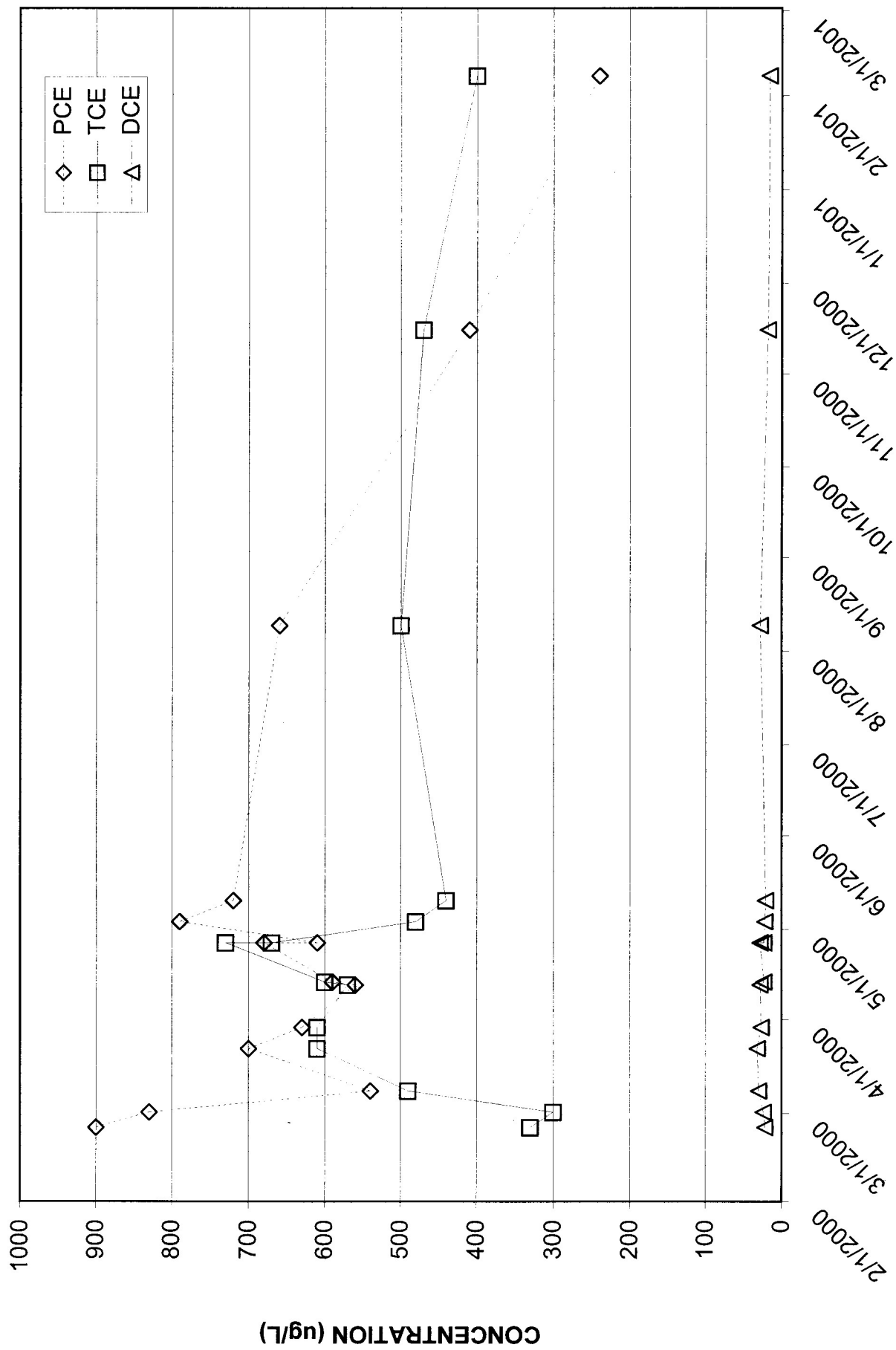
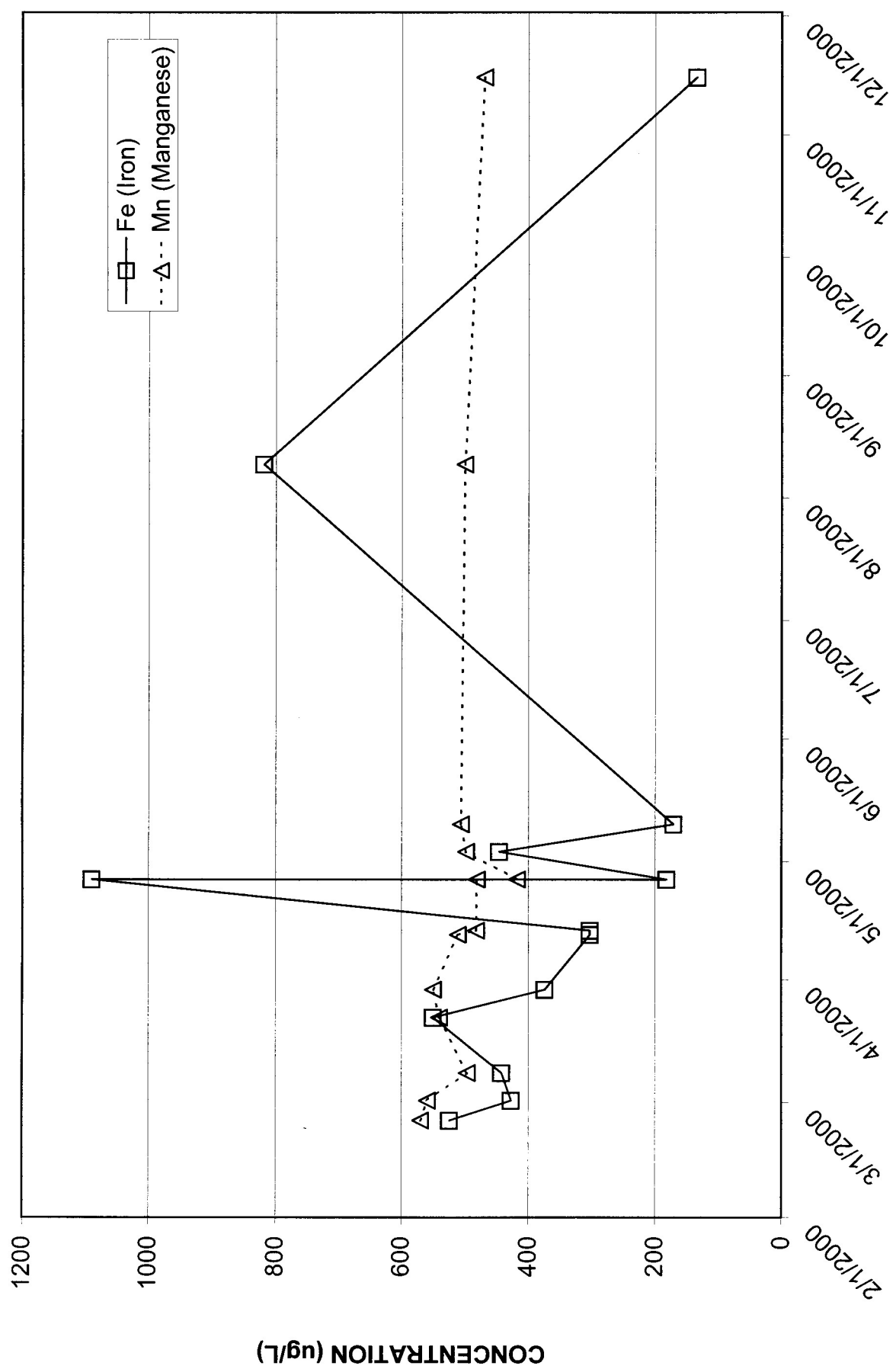
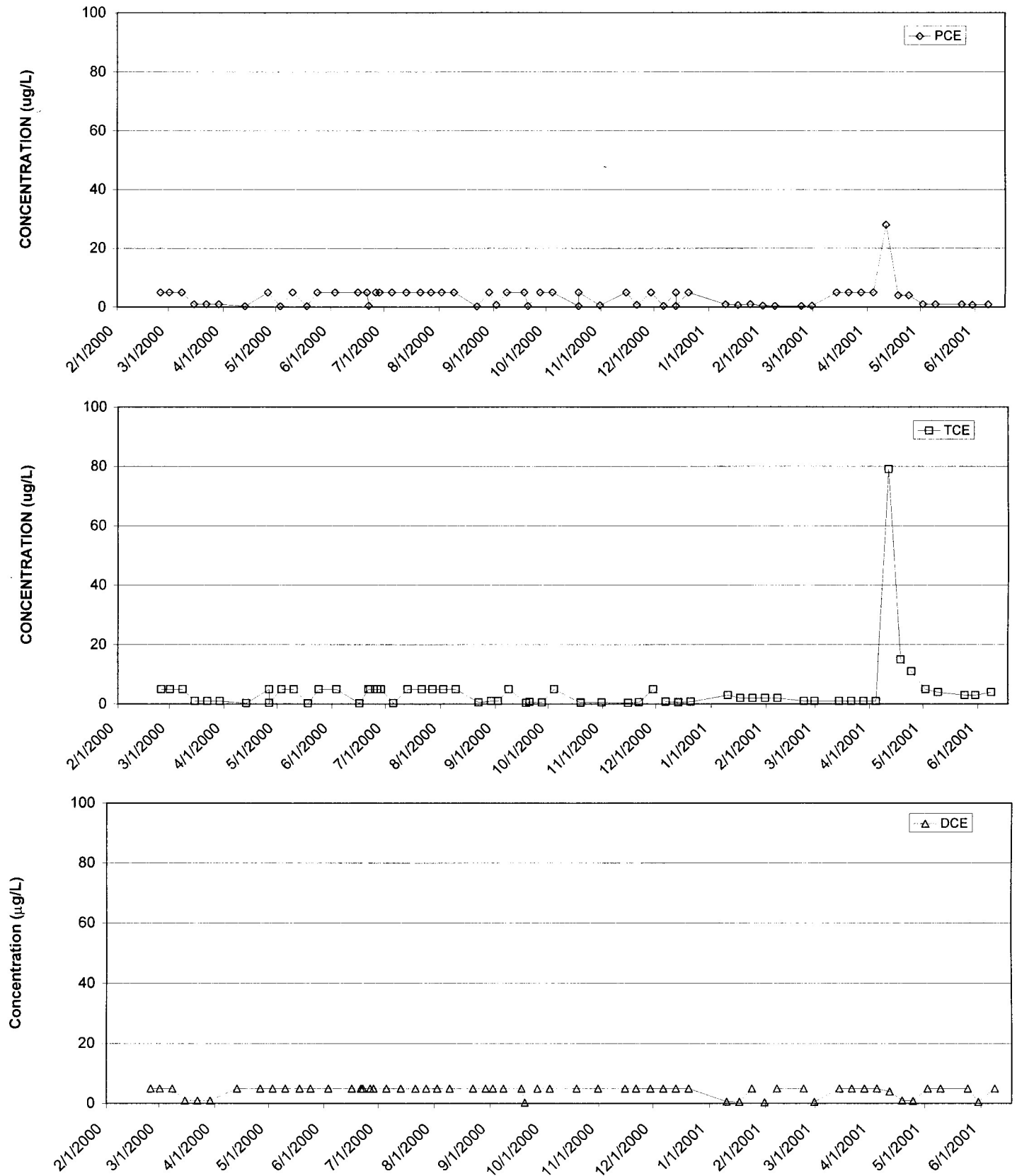


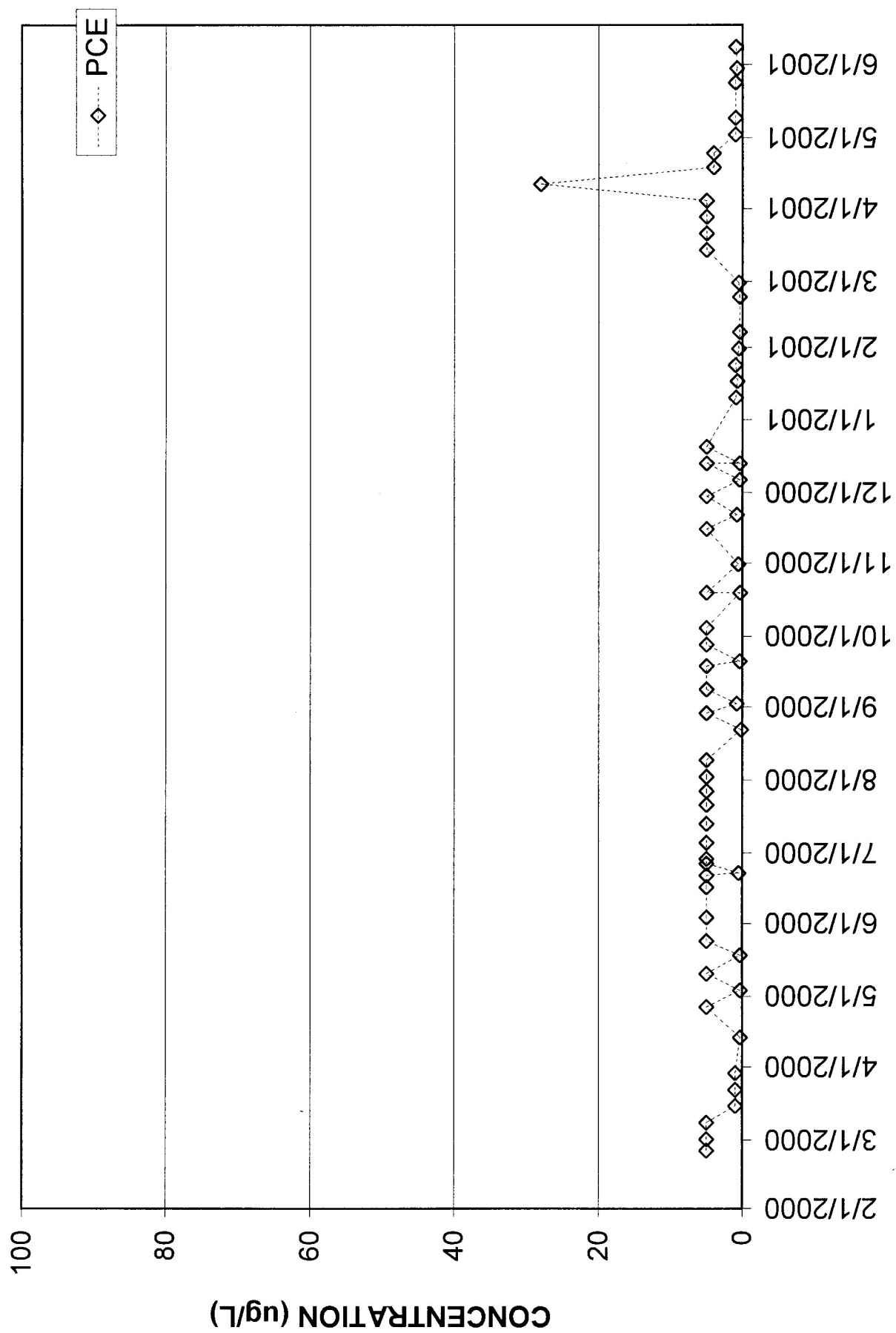
Figure 5-3: Groundwater Influent Concentration (Iron and Manganese) vs. Time



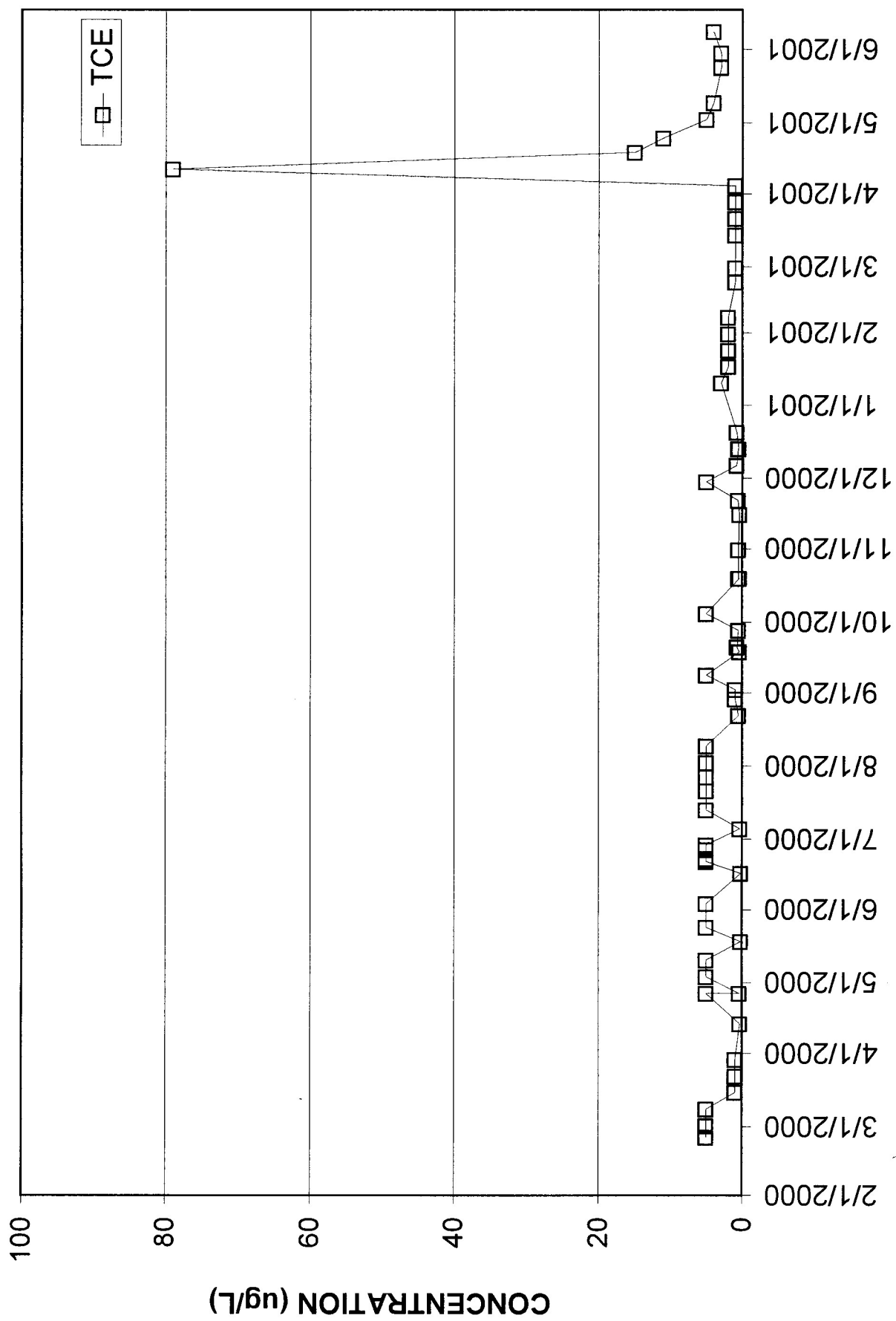
**Figure 5-4: Treated System Effluent Concentration (PCE, TCE, and DCE)
vs. Time**



**FIGURE 5-4a: Treated Effluent
Concentration (PCE) vs. Time**



**FIGURE 5-4b: Treated Effluent
Concentration (TCE) vs. Time**



**Figure 5-4c: Treated Effluent
Concentration (DCE) vs. Time**

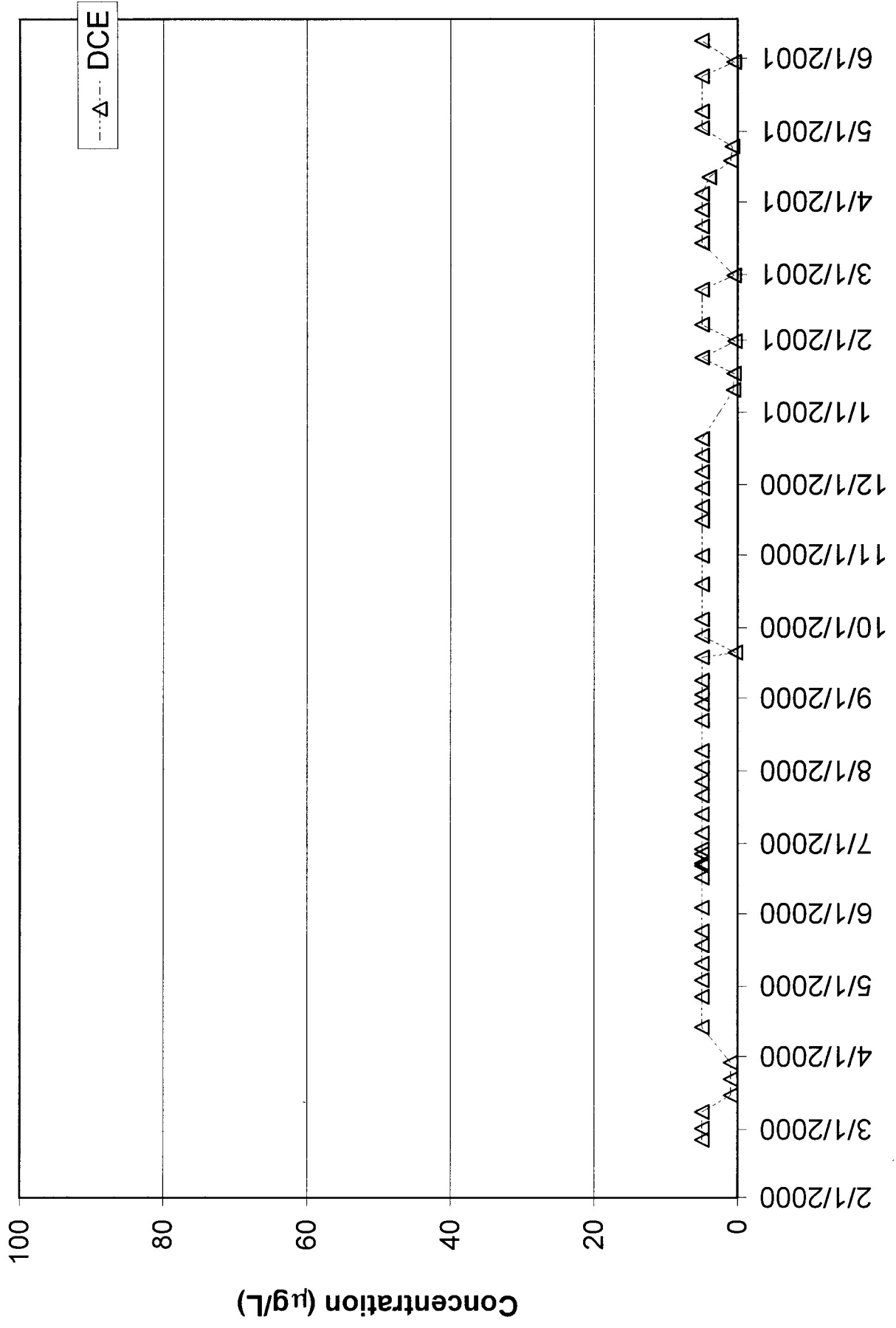
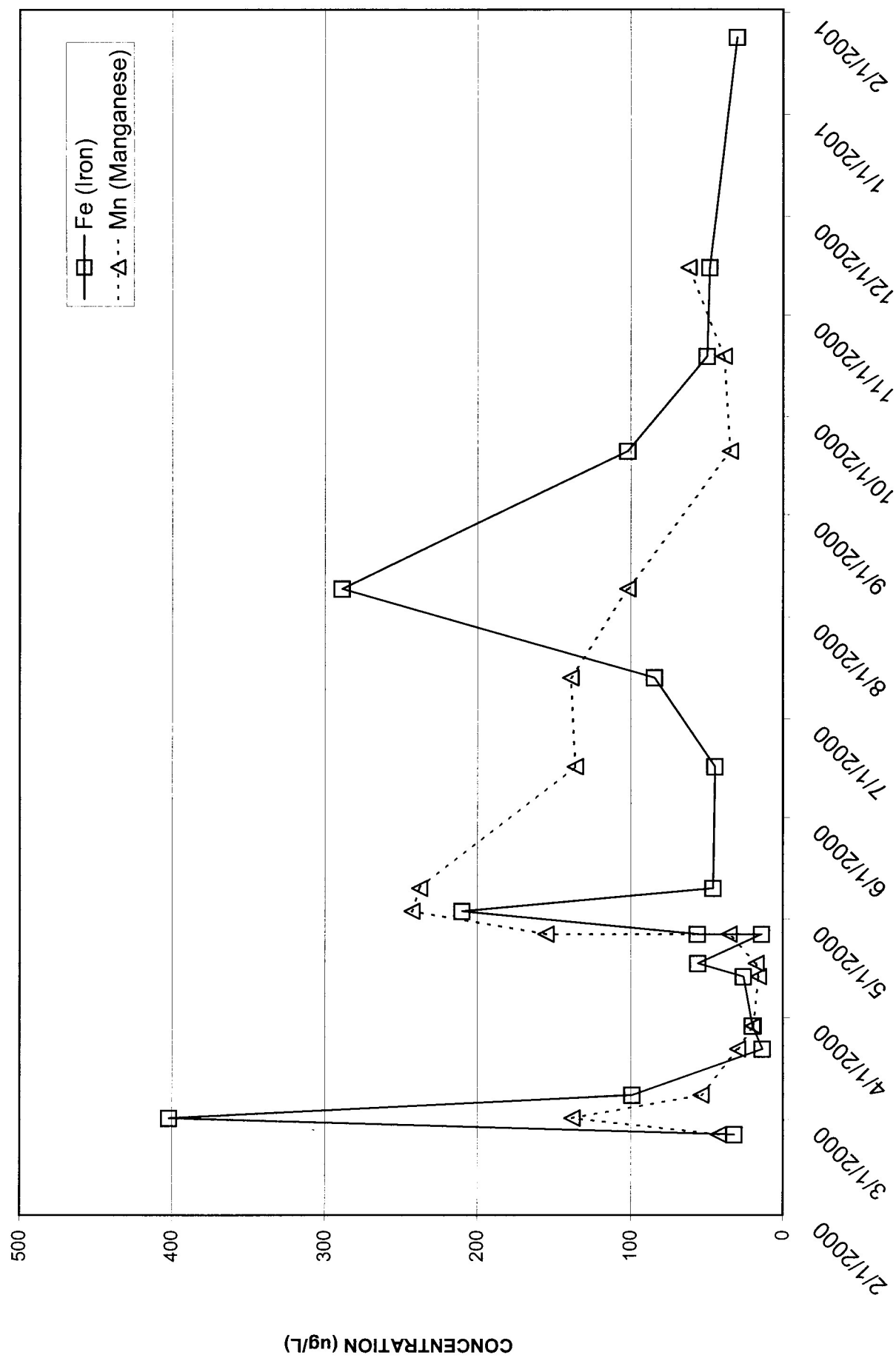


Figure 5-5: Treated System Effluent Concentration (Iron and Manganese) vs. Time



Appendix A

Raw Data Tables

Table x
Claremont Polychemical Superfund Site
(month/year) Analytical Results

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-002	CLG01BWA-002	CLG01CWA-002	CLG02WA-002	CLG04AWA-002	CLG04BWA-002	CLG05AWA-002	CLG05BWA-002	CLG10WA-002	CLG09WA-002	CLG07AWA-002	CLG07BWA-002	CLG08AWA-002	CLG08BWA-002	CLG06WA-002
VOCs				3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00	3/1/00
				1.0	20.0	5.0	1.0	5.0	5.0	5.0	5.0	1.0	1	1	1	1	1	5
chloromethane	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
bromomethane	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
vinyl chloride	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
chloroethane	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
methylene chloride	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	41.00 J	5 U	5 U	5 U	5 U	5 U	25 U
acetone	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	100.00 JB	10 U	10 U	10 U	10 U	10 U	50 U
carbon disulfide	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
vinyl acetate	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
1,1-dichloroethene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1-dichloroethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	5.00 U	100.00 U	55.00	24.00 J	21.00 J	20.00 J	20.00 J	20.00 J	71.00 U	5 U	5 U	5 U	5 U	5 U	17
trans-1,2-dichloroethene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chloroform	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	70.00 J	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
2-butanone	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
carbon tetrachloride	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromodichloromethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloropropane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-dichloropropene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
trichloroethene	µg/L		5.00	1.00 J	100.00 U	930.00	300.00	250.00	260.00	260.00	260.00	21.00 J	5 U	5 U	5 U	5 U	5 U	210
dibromochloromethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
benzene	µg/L		0.70	0.70 U	14.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	71.00 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	4 U
trans-1,3-dichloropropene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromolform	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
2-hexanone	µg/L		10.00	10.00 U	200.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10 U	10 U	10 U	10 U	10 U	50 U
tetrachloroethene	µg/L		5.00	55.00	800.00	420.00	830.00	580.00	600.00	630.00	630.00	320.00	5 U	5 U	5 U	5 U	5 U	460
toluene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	2.00 J	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chlorobenzene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
ethylbenzene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
styrene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5 U	5 U	5 U	5 U	5 U	25 U
xylene	µg/L		5.00	5.00 U	100.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	790.00	5 U	5 U	5 U	5 U	5 U	25 U
SVOCs																		
Di-n-butylphthalate	µg/L												1 JB					
bis(2-ethylhexyl)phthalate	µg/L												0.3 J					
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			3.00 U	3.00 U	3.00 U						3480.00	3 U					
Ba (barium)	µg/L			101.00 B	115.00 B	60.60 B						56700.00	72.7 B					
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			193.00	327.00	659.00	524.00	931.00	1160.00	726.00	778.00	4630000.00	402					
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			604.00	649.00	390.00	559.00	700.00	807.00	539.00	572.00	398000.00	138					
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			2.00 U	18.00	2.00 U						1810.00	2 U					
Sb (antimony)	µg/L			4.00 B	6.50 B	4.60 B						137.00 B	5.4 B					
Se (selenium)	µg/L			3.00 U	3.00 U	3.00 U						229.00	3 U					
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su			0.01														
dissolved oxygen	mg/L			0.10														
ORP (EH)	mV			0.10														
temperature	* C			0.1														
turbidity	NTU			1														
conductivity	mS/cm			0.01														
hexavalent chromium	mg/L			0.01 U	0.01 U	0.01 U						0.02	0.01 U					
TSS	mg/L			10.00 U	10.00 U	10.00 U	10.00 U	11.00	14.00	10.00 U	15.00		10 U	10 U	10 U	10 U	10 U	
TDS	mg/L							400.00	407.00	399.00	408.00		389					
TOC	mg/L													1.51	1.21	1 U	1 U	
Chloride	mg/L												92.1					
Fluoride	mg/L												0.1					
TKN	mg/L												0.1 U					
sulfate	mg/L												74.1					
Percent solids																		
Nitrate/Nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(ux): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site
(month year) Analytical Results

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-003	CLG01CWA-003	CLG02WA-003	CLG04AWA-003	CLG04BWA-003	CLG05AWA-003	CLG05BWA-003	CLG10W A-003	CLG09W A-003	CLG07AWA-003	CLG07BWA-003	CLG08AWA-003	CLG08BWA-003	CLG06W A-003
VOCs				3/8/00 5.0	3/8/00 10.0	3/8/00 5.0	3/8/00 5.0	3/8/00 5.0	3/8/00 5.0	3/8/00 5.0	3/8/00 1.0	3/8/00 1	3/8/00 1	3/8/00 1	3/8/00 1	3/8/00 1	3/8/00 5
chloromethane	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
bromomethane	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
vinyl chloride	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
chloroethane	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
methylene chloride	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	11.00 J	5 U	5 U	5 U	5 U	5 U	25 U
acetone	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	220.00 B	10 U	10 U	10 U	10 U	10 U	50 U
carbon disulfide	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
vinyl acetate	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
1,1-dichloroethene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1-dichloroethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethene (total)	ug/L																
cis-1,2-dichloroethene	µg/L		5.00	25.00 U	80.00	30.00	26.00	27.00	25.00	25.00	8.00 J	5 U	5 U	5 U	5 U	5 U	23 J
trans-1,2-dichloroethene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chloroform	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	92.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
2-butanone	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	32.00 JB	10 U	10 U	10 U	10 U	10 U	50 U
1,1,1-trichloroethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
carbon tetrachloride	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromodichloromethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloropropane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
trichloroethene	µg/L		5.00	12.00 J	1400.00	490.00	390.00	390.00	390.00	390.00	36.00 J	5 U	5 U	5 U	5 U	5 U	300
dibromochloromethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
benzene	µg/L		0.70	4.00 U	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	1.00 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	4 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromofom	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
2-hexanone	µg/L		10.00	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
tetrachloroethene	µg/L		5.00	660.00	540.00	540.00	540.00	530.00	550.00	540.00	430.00	5 U	5 U	5 U	5 U	5 U	440
toluene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	3.00 J	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chlorobenzene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
ethylbenzene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	13.00 J	5 U	5 U	5 U	5 U	5 U	25 U
styrene	µg/L		5.00	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
xylene	µg/L		5.00	25.00 U	18.00 J	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	1300.00	5 U	5 U	5 U	5 U	5 U	25 U
SVOCS																	
Di-n-butylphthalate	µg/L											0.7 JB					
bis(2-ethylhexyl)phthalate	ug/L											0.8 J					
metals																	
Ag (silver)	µg/L																
Al (aluminum)	µg/L																
As (arsenic)	µg/L			3.00 U	3.00 U						3480.00	81.9					
Ba (barium)	µg/L			68.90 B	60.30 B						56700.00	2740					
Be (beryllium)	µg/L																
Ca (calcium)	µg/L																
Cd (cadmium)	µg/L																
Co (cobalt)	µg/L																
Cr (chromium)	µg/L																
Cu (copper)	µg/L																
Fe (iron)	µg/L			170.00	736.00	427.00	652.00	688.00	602.00	637.00	4630000.00	131000					
Hg (mercury)	µg/L																
K (potassium)	µg/L																
Mg (magnesium)	µg/L																
Mn (manganese)	µg/L			577.00	395.00	496.00	555.00	588.00	564.00	566.00	398000.00	68000					
Na (sodium)	µg/L																
Ni (nickel)	µg/L																
Pb (lead)	µg/L			2.30 B	3.00 B						1810.00	57.4					
Sb (antimony)	µg/L			3.00 U	3.00 U						137.00 B	3.9 U					
Se (selenium)	µg/L			3.00 U	3.00 U						229.00	3.9 U					
Tl (thallium)	µg/L																
V (vanadium)	µg/L																
Zn (zinc)	µg/L																
water quality																	
lab																	
pH	su			0.01													
dissolved oxygen	mg/L			0.10													
ORP (EH)	mV			0.10													
temperature	° C			0.1													
turbidity	NTU			1													
conductivity	mS/cm			0.01													
hexavalent chromium	mg/L			0.01 U	0.01 U						0.06	0.01 U					
TSS	mg/L			10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U		10 U	10 U	10 U	10 U	10 U	
TDS	mg/L						410.00	404.00	405.00	392.00		382	1.59	1.29	1 U	1 U	
TOC	mg/L											84					
Chloride	mg/L											0.05 U					
Fluoride	mg/L											0.1 U					
TKN	mg/L											72.7					
sulfate	mg/L																
Percent Solids																	
Nitrate/Nitrite																	

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(1/x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

[illegible]

Table x
Claremont Polychemical Superfund Site
MW-1 Data Summary

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-005	CLG01CWA-005	CLG02WA-005	CLG04AWA-005	CLG04BWA-005	CLG05AWA-005	CLG05BWA-005	CLG10WA-005	CLG10WA-005	CLG10WA-005RE	CLG09WA-005	CLG09WA-005	CLG07AWA-005	CLG07BWA-005	CLG08AWA-005	CLG08BWA-005	CLG06WA-005
				3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00	3/22/00
VOCs				22.0	33.8	17.6	14.7	14.7	15.7	14.7	1.0	1.0	1.0	1	1	1	1	1	1	11.3
chloromethane	µg/L		10.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
bromomethane	µg/L		10.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
vinyl chloride	µg/L		10.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
chloroethane	µg/L		10.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
methylene chloride	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
acetone	µg/L		10.00	110.00 U	170.00 U	88.00 U	74.00 U	74.00 U	78.00 U	74.00 U	31.00 JB		50.00 B	5 U		5 U	5 U	5 U	5 U	56 U
carbon disulfide	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
vinyl acetate	µg/L		10.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
1,1-dichloroethene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
1,1-dichloroethane	µg/L		5.00	25.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
1,2-dichloroethene (total)	µg/L			22.00 U	67.00	34.00	31.00	31.00	28.00	29.00				1 U		1 U	1 U	1 U	1 U	27
cis-1,2-dichloroethene	µg/L		5.00	22.00 U	64.00	32.00	30.00	30.00	27.00	28.00	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	26
trans-1,2-dichloroethene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
chloroform	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	23.00 J		19.00 J	1 U		1 U	1 U	1 U	1 U	11 U
1,2-dichloroethane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
2-butanone	µg/L		10.00	110.00 U	170.00 U	88.00 U	74.00 U	74.00 U	78.00 U	74.00 U	38.00 U		38.00 U	5 U		5 U	5 U	5 U	5 U	56 U
1,1,1-trichloroethane	µg/L		5.00	22.00 U	34.00 U	7.60 J	15.00 U	6.40 J	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
carbon tetrachloride	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
bromodichloromethane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
1,2-dichloropropane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
cis-1,3-dichloropropene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
trichloroethene	µg/L		5.00	15.00 J	1400.00	610.00	15.00	560.00	490.00	500.00	39.00		25.00 J	1 U		2.2	2.6 U	1 U	1 U	410
1,1,1,2-tetrachloroethane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
1,1,2-trichloroethane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
benzene	µg/L		0.70	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U	0.7 U	1 U	1 U	1 U	1 U	11 U
trans-1,3-dichloropropene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
bromofom	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
4-methyl-2-pentanone	µg/L		10.00	110.00 U	170.00 U	88.00 U	74.00 U	74.00 U	78.00 U	74.00 U	38.00 U		38.00 U	5 U		5 U	5 U	5 U	5 U	56 U
2-hexanone	µg/L		10.00	110.00 U	170.00 U	88.00 U	74.00 U	74.00 U	78.00 U	74.00 U	38.00 U		38.00 U	5 U		5 U	5 U	5 U	5 U	56 U
tetrachloroethene	µg/L		5.00	860.00	560.00	700.00	570.00	610.00	520.00	530.00	260.00		190.00	1 U		1.9	2.2	1 U	1 U	410
toluene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	5 U	1 U	1 U	11 U
1,1,2,2-tetrachloroethane	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
chlorobenzene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
ethylbenzene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
styrene	µg/L		5.00	22.00 U	34.00 U	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
xylene	µg/L		5.00	22.00 U	34.00 J	18.00 U	15.00 U	15.00 U	16.00 U	15.00 U	38.00 U		38.00 U	1 U		1 U	1 U	1 U	1 U	11 U
SVOCs																				
Di-n-butylphthalate	µg/L													10 U						
bis(2-ethylhexyl)phthalate	µg/L												0.64 J							
metals																				
Ag (silver)	µg/L																			
Al (aluminum)	µg/L																			
As (arsenic)	µg/L			0.50 U	0.63 B	0.75 B	0.53 B	0.50 U	0.50 U	0.72 B	83.10	77.60		0.5 U						
Ba (barium)	µg/L			74.50	69.40 B	74.50	72.10	74.10	72.70	73.10	2160.00	1970.00		63.4						
Be (beryllium)	µg/L																			
Ca (calcium)	µg/L																			
Cd (cadmium)	µg/L																			
Co (cobalt)	µg/L																			
Cr (chromium)	µg/L																			
Cu (copper)	µg/L																			
Fe (iron)	µg/L			119.00	859.00	550.00	720.00	733.00	708.00	715.00	142000.00	116000.00		99						
Hg (mercury)	µg/L																			
K (potassium)	µg/L																			
Mg (magnesium)	µg/L			7990.00	8360.00	8380.00	8150.00	8370.00	8250.00	8280.00	3860.00			8270						
Mn (manganese)	µg/L			621.00	439.00	550.00	589.00	602.00	593.00	591.00	93400.00	89900.00		53.9						
Na (sodium)	µg/L																			
Ni (nickel)	µg/L																			
Pb (lead)	µg/L			0.46 U	1.10	0.48 B	0.46 U	0.46 U	0.46 U	0.46 U	54.80	51.70		0.46 U						
Sb (antimony)	µg/L			0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	1.20 B	3.60 B	7.60 U		0.92 U						
Se (selenium)	µg/L			0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	30.80	39.30 B		0.08 U						
Tl (thallium)	µg/L																			
V (vanadium)	µg/L																			
Zn (zinc)	µg/L																			
water quality																				
lab																				
pH	su			0.01																
dissolved oxygen	mg/L			0.10																
ORP (Eh)	mV			0.10																
temperature	° C			0.1																
turbidity	NTU			1																
conductivity	mS/cm			0.01																
hexavalent chromium	mg/L			0.005 U	0.005 U							106.00		0.005 U						
TSS	mg/L			0.60 U	1.20	0.60	2.70	2.70	2.30	3.30					64.3	0.5	1.5	1		
TDS	mg/L						434.00	439.00	427.00	439.00				444						
TOC	mg/L															1.4	1.5	0.6	1.1	
Chloride	mg/L													85						
Fluoride	mg/L													0.1						
TKN	mg/L													0.24 U						
sulfate	mg/L			</																

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-006	CLG01CWA-006	CLG02WA-006	CLG04AWA-006	CLG04BWA-006	CLG05AWA-006	CLG05BWA-006	CLG09WA-006	CLG10SL-006	CLG07AWA-006	CLG07BWA-006	CLG08AWA-006	CLG08BWA-006	CLG06WA-006	
VOCs				3/29/00 23.20	3/29/00 44.00	3/29/00 20.00	3/29/00 16.90	3/29/00 17.60	3/29/00 16.90	3/29/00 169.00	3/29/00 1.00	3/29/00 1.0	3/29/00 1	3/29/00 1	3/29/00 1	3/29/00 1	3/29/00 12.6	
chloromethane	µg/L		10.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
bromomethane	µg/L		10.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
vinyl chloride	µg/L		10.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
chloroethane	µg/L		10.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
methylene chloride	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
acetone	µg/L		10.00	280.00	580.00	230.00	260.00	210.00	200.00	200.00	5.00 U	230.00	5.00 U	5 U	5 U	5 U	130	
carbon disulfide	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
vinyl acetate	µg/L		10.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,1-dichloroethene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,1-dichloroethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,2-dichloroethene (total)				6.20 J	56.00	28.00	25.00	25.00	25.00	24.00	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	23	
cis-1,2-dichloroethene	µg/L		5.00	5.90 J	54.00	27.00	24.00	24.00	24.00	24.00	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	22	
trans-1,2-dichloroethene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
chloroform	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	100.00	1.00 U	1 U	1 U	1 U	13 U	
1,2-dichloroethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
2-butanone	µg/L		10.00	120.00 U	220.00 U	100.00 U	84.00 U	88.00 U	84.00 U	84.00 U	5.00 U	45.00 U	5.00 U	5 U	5 U	5 U	63 U	
1,1,1-trichloroethane	µg/L		5.00	23.00 U	44.00 U	6.90 J	5.50 J	5.60 J	5.40 J	5.20 J	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	4.2 J	
carbon tetrachloride	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
bromodichloromethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,2-dichloropropane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
cis-1,3-dichloropropene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
trichloroethene	µg/L		5.00	13.00 J	1300.00	610.00	520.00	510.00	510.00	510.00	1.00 U	39.00 J	2.30	2.3	1 U	1 U	430	
dibromochloromethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,1,2-trichloroethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
benzene	µg/L		0.70	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
trans-1,3-dichloropropene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
bromolform	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
4-methyl-2-pentanone	µg/L		10.00	120.00 U	220.00 U	100.00 U	84.00 U	88.00 U	84.00 U	84.00 U	5.00 U	45.00 U	5.00 U	5 U	5 U	5 U	63 U	
2-hexanone	µg/L		10.00	120.00 U	220.00 U	100.00 U	84.00 U	88.00 U	84.00 U	84.00 U	5.00 U	45.00 U	5.00 U	5 U	5 U	5 U	63 U	
tetrachloroethene	µg/L		5.00	760.00	450.00	630.00	500.00	490.00	510.00	500.00	1.00 U	430.00	1.80	1.8	1 U	1 U	380	
toluene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
1,1,2,2-tetrachloroethane	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
chlorobenzene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
ethylbenzene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
styrene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	45.00 U	1.00 U	1 U	1 U	1 U	13 U	
xylene	µg/L		5.00	23.00 U	44.00 U	20.00 U	17.00 U	18.00 U	17.00 U	17.00 U	1.00 U	400.00	1.00 U	1 U	1 U	1 U	13 U	
SVOCs																		
Di-n-butylphthalate	µg/L										10.00 U							
bis(2-ethylhexyl)phthalate	µg/L										10.00 U							
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			0.50 U	0.50 U						0.50 U	57.20						
Ba (barium)	µg/L			74.50	68.60						62.10	1850.00						
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			116.00	617.00	374.00	706.00	766.00	648.00	645.00	13.60 B	95600.00						
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L			8050.00	8270.00						7970.00	3050.00						
Mn (manganese)	µg/L			601.00	424.00	511.00	578.00	584.00	555.00	551.00	29.80	80200.00						
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			0.97	0.46 U						0.46 U	40.20						
Sb (antimony)	µg/L			0.92 U	0.92 U						0.92 U	4.50 B						
Se (selenium)	µg/L			0.80 U	0.80 U						0.80 U	25.50						
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (EH)	mV																	
temperature	* ° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.005 U	0.005 U						0.005 U							
TSS	mg/L			0.60	1.90	0.60	3.00	2.90	2.40	2.50	1.30		0.8	1	1.2	0.6		
TDS	mg/L						413.00	407.00	460.00	412.00	430.00							
TOC	mg/L												2.5	2.3	1.3	1.2		
Chloride	mg/L																	
Fluoride	mg/L										0.10 U							
TKN	mg/L										0.24 U							
sulfate	mg/L										69.00							
Percent solids																		
Nitrate/nitrite											2.7							

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Notes:

boldface: value exceeds max cleanup goal	U: not detected
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Notes:

bold face: value exceeds max cleanup goal	U: not detected
<i>italics</i> : value outside range	J: estimated
(#x): VOC dilution factor	R: rejected
na: not analyzed	

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-011	CLG01BWA-011	CLG01CWA-011	CLG02WA-011	CLG04AWA-011	CLG04BWA-011	CLG05AWA-011	CLG05BWA-011	CLG10WA-011	CLG09WA-011	CLG07AWA-011	CLG07BWA-011	CLG08AWA-011	CLG08BWA-011	CLG06WA-011
VOCs				5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00	5/3/00
				5.00	5.00	10.00	5.00	5.00	5.00	5.00	5.00	1.0	1	1	1	1	1	5
chloromethane	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
bromomethane	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
vinyl chloride	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
chloroethane	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 J	10 U	10 U	10 U	10 U	50 U
methylene chloride	µg/L		5.00	4.00 J	20.00 J	16.00 J	5.00 J	11.00 J	5.00 J	26.00	16.00 J	210.00 B	0.60 U	0.4 J	6	0.6 J	0.6 J	28
acetone	µg/L		10.00	36.00 JB	85.00	33.00 JB	11.00 JB	15.00 JB	13.00 JB	20.00 JB	47.00 J	140.00 B	10.00 U	10 U	10 U	10 U	10 U	54
carbon disulfide	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
vinyl acetate	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
1,1-dichloroethene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
1,1-dichloroethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethene (total)	ug/L																	
cis-1,2-dichloroethene	µg/L		5.00	21.00 J	26.00	30.00 J	22.00 J	19.00 J	18.00 J	20.00 J	20.00 J	71.00 U	5.00 U	5 U	5 U	5 U	5 U	17 J
trans-1,2-dichloroethene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
chloroform	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	220.00	5.00 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
2-butanone	µg/L		10.00	14.00 JB	50.00 U	26.00 JB	13.00 JB	16.00 JB	13.00 JB	15.00 JB	50.00 U	60.00 J	10.00 U	10 U	10 U	10 U	10 U	50 U
1,1,1-trichloroethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
carbon tetrachloride	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
bromodichloromethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloropropane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-dichloropropene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
trichloroethene	µg/L		5.00	480.00	670.00	820.00	480.00	400.00	380.00	410.00	410.00	99.00	5.00 U	0.6 JU	5 U	5 U	5 U	340
dibromochloromethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
benzene	µg/L		0.70	2.00 J	4.00 U	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	10.00 U	0.70 U	0.7 U	0.7 U	0.7 U	0.7 U	4 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
bromolorm	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
2-hexanone	µg/L		10.00	50.00 U	50.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	140.00 U	10.00 U	10 U	10 U	10 U	10 U	50 U
tetrachloroethene	µg/L		5.00	800.00	710.00	700.00	790.00	610.00	570.00	620.00	570.00	730.00	0.30 J	0.8 J	0.6 J	5 U	5 U	410
toluene	µg/L		5.00	1.00 J	25.00 U	2.00 J	0.70 J	0.80 J	0.70 J	1.00 J	25.00 U	10.00 J	5.00 U	5 U	5 U	5 U	5 U	25 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
chlorobenzene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
ethylbenzene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
styrene	µg/L		5.00	25.00 U	1.00 J	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	71.00 U	5.00 U	5 U	5 U	5 U	5 U	25 U
xylene	µg/L		5.00	25.00 U	25.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	720.00	5.00 U	5 U	5 U	5 U	5 U	25 U
SVOCs																		
Di-n-butylphthalate	µg/L												0.3 JB					
bis(2-ethylhexyl)phthalate	ug/L												5 JB					
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			9.30 B	3.10 U	3.10 U						78.50	3.1 U					
Ba (barium)	µg/L			22.20 B	77.00 B	72.90 B						2610.00	68.1 B					
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			10200.00	635.00	504.00	182.00	351.00	385.00	284.00	292.00	123000.00	14 B					
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			47.00	482.00	447.00	498.00	525.00	531.00	508.00	512.00	69400.00	35.5					
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			11.90	19.70	1.70 B						48.80	1.3 B					
Sb (antimony)	µg/L			56.20 B	2.10 U	2.10 U						5.10 B	2.1 U					
Se (selenium)	µg/L			19.20	1.50 U	1.50 U						13.90	1.5 U					
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
field instrument																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (EH)	mV																	
temperature	* ° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.010 U	0.01 U	0.010 U						22.10	0.01 U					
TSS	mg/L			5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U		5 U	5 U	5 U	5 U	5 U	
TDS	mg/L							430.00	424.00	417.00	395.00		391					
TOC	mg/L																	
Chloride	mg/L												103	1.84	2.14	6.26	1.34	
Fluoride	mg/L												0.14					
TKN	mg/L												0.23					
sulfate	mg/L												69.9					
Percent solids																		
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(rx): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-012	CLG01BWA-012	CLG01CWA-012	CLG02WA-012	CLG04AWA-012	CLG04BWA-012	CLG05AWA-012	CLG05BWA-012	CLG10WA-012	CLG09WA-012	CLG07AWA-012	CLG07BWA-012	CLG08AWA-012	CLG08BWA-012	CLG06WA-012
VOCs				5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00	5/10/00
				5.0	10.0	10.0	5.0	5.0	5.0	5.0	5.0	1.0	1	1	1	1	1	5
chloromethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
bromomethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
vinyl chloride	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
chloroethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
methylene chloride	µg/L		5.00	9.00 J	24.00 J	34.00 J	11.00 J	11.00 J	7.00 J	7.00 J	6.00 J	120.00 B	1 J	2 J	0.6 J	2 JB	1 J	6 J
acetone	µg/L		10.00	79.00 B	230.00 B	230.00 B	120.00 B	85.00 B	42.00 JB	81.00 B	60.00 B	160.00 B	7 JB	5 JB	10 U	10 U	3 JB	56 B
carbon disulfide	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
vinyl acetate	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
1,1-dichloroethene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1-dichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	6.00 J	16.00 J	41.00 J	21.00 J	19.00 J	18.00 J	17.00 J	18.00 J	45.00 U	5 U	5 U	5 U	5 U	5 U	16 J
trans-1,2-dichloroethene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chloroform	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	120.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
2-butanone	µg/L		10.00	10.00 JB	26.00 JB	27.00 JB	50.00 U	15.00 JB	12.00 JB	27.00 JB	50.00 U	33.00 J	3 JB	10 U	2 JB	10 U	3 JB	50 U
1,1,1-trichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
carbon tetrachloride	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromodichloromethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,2-dichloropropane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
cis-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
trichloroethene	µg/L		5.00	12.00 J	24.00 J	1400.00	440.00	380.00	370.00	360.00	380.00	47.00	5 U	2 J	1 J	5 U	5 U	300
ditromochloromethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
benzene	µg/L		0.70	4.00 U	7.00 U	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	6.00 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	4 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
bromolorm	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
2-hexanone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	91.00 U	10 U	10 U	10 U	10 U	10 U	50 U
tetrachloroethene	µg/L		5.00	610.00	1100.00	280.00	720.00	610.00	580.00	570.00	600.00	380.00	5 U	2 J	1 J	5 U	5 U	420
toluene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
chlorobenzene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
ethylbenzene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
styrene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	45.00 U	5 U	5 U	5 U	5 U	5 U	25 U
xylene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	84.00	5 U	5 U	5 U	5 U	5 U	25 U
SVOCs																		
Di-n-butylphthalate	µg/L												10 U					
bis(2-ethylhexyl)phthalate	µg/L												2 JB					
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			3.10 U	3.10 U	3.10 U						84.20	3.1 U					
Ba (barium)	µg/L			70.80 B	103.00 B	60.00 B						2990.00	70.2 B					
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			60.00 B	142.00	1.30 U	446.00	462.00	388.00	320.00	326.00	142000.00	56.3 B					
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			587.00	576.00	349.00	506.00	594.00	582.00	561.00	569.00	77100.00	155					
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			1.30 U	31.20							62.60	1.3 U					
Sb (antimony)	µg/L			2.10 U	2.10 U	2.10 U						9.20 B	2.1 U					
Se (selenium)	µg/L			1.70 B	1.50 U	1.80 B						12.30	1.5 U					
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
field instrument																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (Eh)	mV																	
temperature	* ° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.010 U	0.01 U	0.010 U						22.50	0.01 U					
TSS	mg/L			22.00	11.00	5.00 U	14.00	7.50	5.00 U	5.00 U	5.00 U		5 U	5 U	5 U	5 U	5 U	
TDS	mg/L							397.00	402.00	394.00	405.00		407					
TOC	mg/L													121	2.23	1.96	2.31	2.24
Chloride	mg/L																	
Fluoride	mg/L													0.05 U				
TKN	mg/L													0.1 U				
sulfate	mg/L													66.9				
Percent solids																		
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-013
VOCs				5/18/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.2 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	5 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	0.3 J
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Analyte	units	EPA cleanup goal	MDL	EW-5 2 5/24/2000	DW-2 1 5/24/2000	EW-4C 5 5/24/2000	EW-4B 2 5/24/2000	EW-4B-A (DUP) 2 5/24/2000	CLG09WA-014 1 5/24/2000	EW-4A 1 5/25/2000	DW-1 1 5/25/2000	SW-1 5 5/25/2000	EW-1A 1 5/25/2000	EW-1B 1 5/25/2000	EW-1C 2 5/25/2000	DW-1A 1 5/25/2000	EW-1CFMSB 1 5/25/2000	EW-5 1 5/24/2000
VOCs																		
chloromethane	µg/L		10	20	U	10	U	50	U	20	U	10	U	10	U	10	U	38
bromomethane	µg/L		10	20	U	10	U	50	U	20	U	10	U	10	U	10	U	37
vinyl chloride	µg/L		10	20	U	10	U	50	U	20	U	10	U	10	U	10	U	42
chloroethane	µg/L		10	20	U	10	U	50	U	20	U	10	U	10	U	10	U	45
methylene chloride	µg/L		5	3	J	0.5	J	16	J	2	J	5	U	2	J	0.3	J	44
acetylene	µg/L		10	20	U	10	U	11	J	20	U	10	U	10	U	0.2	J	55
carbon disulfide	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	5	U	30
vinyl acetate	µg/L		10	20	U	10	U	50	U	20	U	10	U	10	U	10	U	44
1,2-dichloroethane	µg/L		5	7	J	5	U	25	U	1	J	2	J	5	U	5	U	43
1,1,1-trichloroethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	43
1,2-dichloroethene (total)	µg/L		5	32		5	U	11	J	8	J	5	U	66		5	U	47
cis-1,2-dichloroethene	µg/L		5	10	U	5	U	25	U	10	U	5	U	0.3	J	5	U	43
trans-1,2-dichloroethene	µg/L		5	0.5	J	5	U	2	J	0.4	J	5	U	5	U	5	U	433
chloroform	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	41
1,2-dichloroethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	41
2-butanone	µg/L		5	10	U	5	U	25	U	10	U	5	U	10	U	10	U	53
1,1,1-trichloroethane	µg/L		5	5	J	0.4	J	8	J	7	J	5	U	25	U	5	U	42
carbon tetrachloride	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	39
bromodichloromethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	5	U	44
1,2-dichloropropene	µg/L		5	10	U	5	U	25	U	10	U	5	U	25	U	5	U	47
cis-1,3-dichloropropene	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	45
trichloroethene	µg/L		5	220		1	J	660		320		5	U	31		1	J	42
dibromochloromethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	5	U	44
1,1,2-trichloroethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	46
benzene	µg/L		0.7	1	U	0.7	U	4	U	1	U	0.7	U	0.7	U	1	U	46
trans-1,3-dichloropropene	µg/L		5	10	U	5	U	25	U	10	U	5	U	5	U	10	U	44
bromodimethane	µg/L		5	10	U	5	U	25	U	10	U	5	U	25	U	5	U	42
4-methyl-2-pentanone	µg/L		10	20	U	10	U	50	U	20	U</							

Notes:

boldface: value exceeds max cleanup goal	U: not detected
<i>italics:</i> value outside range	J: estimated
(#x): VOC dilution factor	R: rejected
na: not analyzed	

Analyte	units	EPA cleanup goal	MDL	CLG9WA 017	CLG9WA 017RE
VOCs			06/22/00 (1X)	06/26/00 (1X)	
chloromethane	µg/L		10.00	10.0 U	10.0 U
bromomethane	µg/L		10.00	10.0 U	10.0 U
vinyl chloride	µg/L		10.00	10.0 U	10.0 U
chloroethane	µg/L		10.00	10.0 U	10.0 U
methylene chloride	µg/L		5.00	2.0 J	5.0 U
acetone	µg/L		10.00	32.0	10.0 U
carbon disulfide	µg/L		5.00	5.0 U	5.0 U
vinyl acetate	µg/L		10.00	10.0 U	10.0 U
1,1-dichloroethene	µg/L		5.00	5.0 U	5.0 U
1,1-dichloroethane	µg/L		5.00	5.0 U	5.0 U
1,2-dichloroethene (total)	µg/L				
cis-1,2-dichloroethene	µg/L		5.00	5.0 U	5.0 U
trans-1,2-dichloroethene	µg/L		5.00	5.0 U	5.0 U
chloroform	µg/L		5.00	5.0 U	5.0 U
1,2-dichloroethane	µg/L		5.00	5.0 U	5.0 U
2-butanone	µg/L		10.00	10.0 U	10.0 U
1,1,1-trichloroethane	µg/L		5.00	5.0 U	5.0 U
carbon tetrachloride	µg/L		5.00	5.0 U	5.0 U
bromodichloromethane	µg/L		5.00	5.0 U	5.0 U
1,2-dichloropropane	µg/L		5.00	5.0 U	5.0 U
cis-1,3-dichloropropene	µg/L		5.00	5.0 U	5.0 U
trichloroethene	µg/L		5.00	5.0 U	5.0 U
dibromochloromethane	µg/L		5.00	5.0 U	5.0 U
1,1,2-trichloroethane	µg/L		5.00	5.0 U	5.0 U
benzene	µg/L		0.70	0.7 U	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5.0 U	5.0 U
bromoforn	µg/L		5.00	5.0 U	5.0 U
4-methyl-2-pentanone	µg/L		10.00	10.0 U	10.0 U
2-hexanone	µg/L		10.00	10.0 U	10.0 U
tetrachloroethene	µg/L		5.00	0.5 J	5.0 U
toluene	µg/L		5.00	5.0 U	5.0 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.0 U	5.0 U
chlorobenzene	µg/L		5.00	5.0 U	5.0 U
ethylbenzene	µg/L		5.00	5.0 U	5.0 U
styrene	µg/L		5.00	5.0 U	5.0 U
xylene (total)	µg/L		5.00	5.0 U	5.0 U
SVOCs					
di-n-butylphthalate	µg/L		10.00		
bis (2-ethylhexyl)phthalate	µg/L		10.00		
metals					
Ag (silver)	ug/L				
Al (aluminum)	µg/L				
Sb (antimony)	µg/L				
As (arsenic)	µg/L				
Ba (barium)	µg/L				
Be (beryllium)	µg/L				
Cd (cadmium)	µg/L				
Ca (calcium)	µg/L				
Cr (chromium)	µg/L				
Co (cobalt)	µg/L				
Cu (copper)	µg/L				
Fe (iron)	µg/L				
Pb (lead)	µg/L				
Mg (magnesium)	µg/L				
Mn (manganese)	µg/L				
Hg (mercury)	µg/L				
Ni (nickel)	µg/L				
K (potassium)	µg/L				
Se (selenium)	µg/L				
Aq (silver)	µg/L				
Na (sodium)	µg/L				
Tl (thallium)	µg/L				
V (vanadium)	µg/L				
Zn (zinc)	µg/L				
water quality					
lab					
pH					
dissolved oxygen					
ORP					
temperature					
turbidity					
conductivity					
hexavalent chromium	mg/L				
TSS	mg/L				
TDS	mg/L				
TOC	mg/L				
chloride	mg/L				
fluoride	mg/L				
TKN	mg/L				
sulfate	mg/L				
Percent Solids					
Nitrate/Nitrite					

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-018
				6/21/00
VOCs				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	0.5 J
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	0.5 JB
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethen (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromofom	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	mV			
temperature	° C			
turbidity	NTU			
conductivity	mS/cm			
hexavalent chromium	mg/L			
TSS	mg/L			
TDS	mg/L			
TiOC	mg/L			
Chloride	mg/L			
Fluoride	mg/L			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-019
VOCs				6/28/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromotform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(#x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-020
				7/5/00
VOCs				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	0.4 J
acetone	µg/L		10.00	3 J
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.3 J
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	µg/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLTP09WA-21
				7/13/00
VOCs				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 J
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
1-bromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	5 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			10 U
bis(2-chloroethyl)ether	ug/L			10 U
2-chlorophenol	ug/L			10 U
1,3-dichlorobenzene	ug/L			10 U
1,4-dichlorobenzene	ug/L			10 U
benzyl alcohol	ug/L			10 U
1,2-dichlorobenzene	ug/L			10 U
2-methylphenol	ug/L			10 U
2,2-oxybis(1-chloropropane)	ug/L			10 U
4-methylphenol	ug/L			10 U
N-nitroso-di-n-propylamine	ug/L			10 U
hexachlorocyclopentadiene	ug/L			10 U
nitrobenzene	ug/L			10 U
sophrone	ug/L			10 U
2-nitrophenol	ug/L			10 U
2,4-dimethylphenol	ug/L			10 U
benzoic acid	ug/L			50 U
bis(2-chloroethoxy) methane	ug/L			10 U
2,4-dimethylphenol	ug/L			10 U
1,2,4-trichlorobenzene	ug/L			10 U
naphthalene	ug/L			10 U
4-chloroaniline	ug/L			10 U
hexachlorobutadiene	ug/L			10 U
4-chloro-3-methylphenol	ug/L			10 U
2-methylnaphthalene	ug/L			10 U
hexachlorocyclopentadiene	ug/L			10 U
2,4,6-trichlorophenol	ug/L			10 U
2,4,5-trichlorophenol	ug/L			50 U
2-chloronaphthalene	ug/L			10 U
2-nitroaniline	ug/L			50 U
dimethylphthalate	ug/L			10 U
acenaphthylene	ug/L			10 U
2,6-dinitrotoluene	ug/L			10 U
3-nitroaniline	ug/L			50 U
acenaphthene	ug/L			10 U
2,4-dinitrophenol	ug/L			50 U
4-nitrophenol	ug/L			50 U
1,2-dibenzofuran	ug/L			10 U
2,4-dinitrotoluene	ug/L			10 U
diethylphthalate	ug/L			10 U
4-chlorophenyl-phenylether	ug/L			10 U
fluorene	ug/L			10 U
4-nitroaniline	ug/L			20 U
1,6-dinitro-2-methylphenol	ug/L			50 U
N-nitrosodiphenylamine	ug/L			10 U
4-bromophenyl-phenylether	ug/L			10 U
hexachlorobenzene	ug/L			10 U
pentachlorophenol	ug/L			50 U
phenanthrene	ug/L			10 U
anthracene	ug/L			10 U
carbazole	ug/L			10 U
11-n-butylphthalate	ug/L			10 U
fluoranthene	ug/L			10 U
pyrene	ug/L			10 U
butylbenzylphthalate	ug/L			10 U
3,3-dichlorobenzidine	ug/L			20 U
benzofluoranthene	ug/L			10 U
chrysene	ug/L			10 U
bis(2-ethylhexyl)phthalate	ug/L			0.6 J8
6-n-cetylphthalate	ug/L			10 U
benzofluoranthene	ug/L			10 U
benzofluoranthene	ug/L			10 U
benzofluoranthene	ug/L			10 U
indeno(1,2,3-cd) pyrene	ug/L			10 U
1,2,3,4-tetrachloro-2,3,5-trimethylbenzene	ug/L			10 U
1,2,3,4-tetrachloro-2,3,5-trimethylbenzene	ug/L			10 U
1,2,3,4-tetrachloro-2,3,5-trimethylbenzene	ug/L			10 U
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			2 U
Ba (barium)	µg/L			61.6 B
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			210
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			243
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			1.3 U
Sb (antimony)	µg/L			2.1 U
Se (selenium)	µg/L			3.4 U
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	mV			
temperature	C			
turbidity	NTU			
conductivity	mS/cm			
hexavalent chromium	mg/L			0.01 U
TSS	mg/L			5 U
TDS	mg/L			
TOC	mg/L			
Chloride	mg/L			
Fluoride	mg/L			
TKN	mg/L			0.14
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				3.72

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-022
VOCs				7/21/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLC09WA-023
VOCs				7/27/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 B
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-024
VOCs				8/2/00 1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(#x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-025	CLG01BWA-025	CLG01CWA-025	CLG02WA-025	CLG04AWA-025	CLG04BWA-025	CLG05AWA-025	CLG05BWA-025	CLG10WA-025	CLG09WA-025	CLG07AWA-025	CLG07BWA-025	CLG08AWA-025	CLG08BWA-025	CLG06WA-025
VOCs				8/9/00 5.0	8/9/00 10.0	8/9/00 10.0	8/9/00 5.0	8/9/00 5.0	8/9/00 5.0	8/9/00 5.0	8/9/00 5.0	8/9/00 1.0	8/9/00 1	8/9/00 1	8/9/00 1	8/9/00 1	8/9/00 1	8/9/00 2
chloromethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
bromomethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
vinyl chloride	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
chloroethane	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
methylene chloride	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	62.00 B	5 U	5 U	5 U	5 U	5 U	10 U
acetone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	97.00 J	10 U	10 U	10 U	10 U	10 U	20 U
carbon disulfide	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
vinyl acetate	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
1,1-dichloroethene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
1,1-dichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	12.00 J	56.00	44.00 J	28.00	26.00	25.00	23.00 J	24.00 J	49.00 U	5 U	5 U	5 U	5 U	5 U	18
trans-1,2-dichloroethene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
chloroform	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	100.00	5 U	5 U	5 U	5 U	5 U	10 U
1,2-dichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
2-butanone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	67.00 J	10 U	10 U	10 U	10 U	10 U	20 U
1,1,1-trichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
carbon tetrachloride	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
bromodichloromethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
1,2-dichloropropane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
cis-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
trichloroethene	µg/L		5.00	18.00 J	64.00	1900.00	500.00	430.00	430.00	430.00	420.00	34.00 J	4 J	3 J	5 U	5 U	5 U	280
ditromochloromethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
benzene	µg/L		0.70	4.00 U	7.00 U	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	7.00 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
bromolorm	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
2-hexanone	µg/L		10.00	50.00 U	100.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	98.00 U	10 U	10 U	10 U	10 U	10 U	20 U
tetrachloroethene	µg/L		5.00	700.00	1300.00	180.00	660.00	500.00	500.00	490.00	480.00	270.00	5 U	3 J	2 J	5 U	5 U	250
toluene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
chlorobenzene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
ethylbenzene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
styrene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	49.00 U	5 U	5 U	5 U	5 U	5 U	10 U
xylene	µg/L		5.00	25.00 U	50.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	1000.00	5 U	5 U	5 U	5 U	5 U	10 U
SVOCs																		
Di-n-butylphthalate	µg/L												10 U					
bis(2-ethylhexyl)phthalate	µg/L												10 U					
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			2.00 U	2.00 U	2.00 U						70.30	2.2 B					
Ba (barium)	µg/L			71.90 B	101.00 B	63.10 B						2370.00	72.1 B					
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			55.00 B	226.00	394.00	171.00	324.00	370.00	305.00	331.00	109000.00	46 B					
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			590.00	542.00	345.00	500.00	729.00	764.00	747.00	768.00	70600.00	238					
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			1.30 U	69.20	1.30 U						51.60	1.3 U					
Sb (antimony)	µg/L			2.10 U	2.10 U	2.10 U						3.70 U	2.1 U					
Se (selenium)	µg/L			3.40 U	3.40 U	3.40 U						6.00 U	3.4 U					
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (EH)	mV																	
temperature	* ° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.010 U	0.01 U	0.010 U						2.00	0.01 U					
TSS	mg/L			5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U		5 U	5 U	5 U	5 U	5 U	
TDS	mg/L							383.00	371.00	385.00	342.00		388					
TOC	mg/L													1 U	1.8	1 U	1 U	
Chloride	mg/L												144					
Fluoride	mg/L												0.053					
TKN	mg/L												0.13					
sulfate	mg/L												65.1					
Percent solids																		
Nitrate/nitrite												3.06						

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(rx): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
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Notes:

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(#x): VOC dilution factor	R: rejected
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Analyte	units	EPA cleanup goal	MDL	CLG09W A028																	
VOCs					080200 (12)																
chloromethane	µg/L		10.00	10.0	U																
bromomethane	µg/L		10.00	10.0	U																
vinyl chloride	µg/L		10.00	10.0	U																
chloroethane	µg/L		10.00	10.0	U																
methylene chloride	µg/L		5.00	5.0	U																
acetone	µg/L		10.00	10.0	U																
carbon disulfide	µg/L		5.00	5.0	U																
vinyl acetate	µg/L		10.00	10.0	U																
1,1-dichloroethene	µg/L		5.00	5.0	U																
1,1-dichloroethane	µg/L		5.00	5.0	U																
1,2-dichloroethene (total)	ug/L																				
cis-1,2-dichloroethene	µg/L		5.00	5.0	U																
trans-1,2-dichloroethene	µg/L		5.00	5.0	U																
chloroform	µg/L		5.00	5.0	U																
1,2-dichloroethane	µg/L		5.00	5.0	U																
2-butanol	µg/L		10.00	10.0	U																
1,1,1-trichloroethane	µg/L		5.00	5.0	U																
carbon tetrachloride	µg/L		5.00	5.0	U																
bromodichloromethane	µg/L		5.00	5.0	U																
1,2-dichloropropane	µg/L		5.00	5.0	U																
cis-1,3-dichloropropene	µg/L		5.00	5.0	U																
trichloroethene	µg/L		5.00	1.0	J																
dibromochloromethane	µg/L		5.00	5.0	U																
1,1,2-trichloroethane	µg/L		5.00	5.0	U																
benzene	µg/L		0.70	0.7	U																
trans-1,3-dichloropropene	µg/L		5.00	5.0	U																
bromofom	µg/L		5.00	5.0	U																
4-methyl-2-pentanone	µg/L		10.00	10.0	U																
2-hexanone	µg/L		10.00	10.0	U																
tetrachloroethene	µg/L		5.00	0.8	U																
toluene	µg/L		5.00	5.0	U																
1,1,2,2-tetrachloroethane	µg/L		5.00	0.3	J																
chlorobenzene	µg/L		5.00	5.0	U																
ethylbenzene	µg/L		5.00	5.0	U																
styrene	µg/L		5.00	5.0	U																
xylene (total)	µg/L		5.00	5.0	U																
SVOC's																					
di-n-butylphthalate	µg/L		10.00																		
bis (2-ethylhexyl)phthalate	µg/L		10.00																		
metals																					
Ag (silver)	ug/L																				
Al (aluminum)	µg/L																				
Sb (antimony)	µg/L																				
As (arsenic)	µg/L																				
Ba (barium)	µg/L																				
Be (beryllium)	µg/L																				
Cd (cadmium)	µg/L																				
Ca (calcium)	µg/L																				
Cr (chromium)	µg/L																				
Co (cobalt)	µg/L																				
Cu (copper)	µg/L																				
Fe (iron)	µg/L																				
Pb (lead)	µg/L																				
Mg (magnesium)	µg/L																				
Mn (manganese)	µg/L																				
Hg (mercury)	µg/L																				
Ni (nickel)	µg/L																				
K (potassium)	µg/L																				
Se (selenium)	µg/L																				
Ag (silver)	µg/L																				
Na (sodium)	µg/L																				
Tl (thallium)	µg/L																				
V (vanadium)	µg/L																				
Zn (zinc)	µg/L																				
water quality																					
lab																					
pH	su																				
dissolved oxygen	mg/L																				
ORP (Eh)	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																				
TKN	mg/L																				
sulfate	mg/L																				
Percent solids																					
Nitrate/nitrite																					

Notes:

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Notes:

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(#x): VOC dilution factor	R: rejected
na: not analyzed	

Notes:

boldface: value exceeds max cleanup goal	U: not detected
<i>italics:</i> value outside range	J: estimated
(#x): VOC dilution factor	R: rejected
na: not analyzed	

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLMW2AW A-0-2	CLMW2BW A-0-2	CLMW2CW A-0-2	CLMW1AW A-0-2	CLMW1BW A-0-2	CLMW1CW A-0-2	CLMW1C-DUP	CLMW5W1 WA-0-2	CLMW5W1 WA-0-2	CLMW5W2 WA-0-2	CLMW5W5 WA-0-2	CLMW4AW A-0-2	CLMW4BW A-0-2	CLMW4CW A-0-2	4A-WA-DUPLICAT E
VOCs				9/11/00 2.0	9/11/00 1.0	9/11/00 2.0	9/12/00 2.0	9/12/00 1.0	9/12/00 1.0	9/12/00 1.0	9/13/00 20.0	9/13/00 1.0	9/13/00 1	9/13/00 1	9/14/00 2	9/14/00 2	9/14/00 10	9/14/00 2
chloromethane	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
bromomethane	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
vinyl chloride	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
chloroethane	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
methylene chloride	µg/L		5.00	3.00 J	2.00 J	3.00 J	3.00 J	0.60 J	0.70 J	0.40 J	66.00 J	0.40 J	0.80 J	5.00 U	6.00 J	5.00 J	18 J	2.00 J
acetone	µg/L		10.00	6.00 J	10.00 U	6.00 J	7.00 J	10.00 U	10.00 U	10.00 U	16.00 J	10.00 U	10.00 U	10.00 U	2.00 J	2.00 J	100 U	2.00 J
carbon disulfide	µg/L		5.00	10.00 U	0.50 J	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
vinyl acetate	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
1,1-dichloroethene	µg/L		5.00	10.00 U	0.90 J	11.00	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	2.00 J	50 U	10.00 U
1,1-dichloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 J	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	10.00 U	14.00	15.00	10.00 U	5.00 U	5.00 U	5.00 U	32.00 J	5.00 U	5.00 U	2.00 J	83.00	9.00 J	26 J	74.00
trans-1,2-dichloroethene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	0.60 J	10.00 U	10.00 U	50 U	10.00 U
chloroform	µg/L		5.00	2.00 J	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
1,2-dichloroethane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
2-butanone	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	4.00 J	100 U	20.00 U
1,1,1-trichloroethane	µg/L		5.00	3.00 J	3.00 J	28.00	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	9.00 J	13 J	10.00 U
carbon tetrachloride	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
bromodichloromethane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
1,2-dichloropropane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
cis-1,3-dichloropropene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
trichloroethene	µg/L		5.00	3.00 U	37.00	260.00	6.00 J	2.00 J	5.00 U	5.00 U	34.00 J	5.00 U	5.00 U	14.00	20.00	330.00	1200	18.00
dibromochloromethane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
1,1,2-trichloroethane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
benzene	µg/L		0.70	1.00 U	0.70 U	1.00 U	1.00 U	0.70 U	0.70 U	0.70 U	14.00 U	0.70 U	0.70 U	0.70 U	1.00 U	1.00 U	7 U	1.00 U
trans-1,3-dichloropropene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
bromoforn	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
4-methyl-2-pentanone	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
2-hexanone	µg/L		10.00	20.00 U	10.00 U	20.00 U	20.00 U	10.00 U	10.00 U	10.00 U	200.00 U	10.00 U	10.00 U	10.00 U	20.00 U	20.00 U	100 U	20.00 U
tetrachloroethene	µg/L		5.00	290.00	47.00	20.00	370.00	7.00	0.50 J	0.70 J	1900.00	3.00 J	4.00 J	5.00	230.00	15.00	32 J	190.00
toluene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
1,1,1,2-tetrachloroethane	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
chlorobenzene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
ethylbenzene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
styrene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
xylene	µg/L		5.00	10.00 U	5.00 U	10.00 U	10.00 U	5.00 U	5.00 U	5.00 U	100.00 U	5.00 U	5.00 U	5.00 U	10.00 U	10.00 U	50 U	10.00 U
SVOCS																		
Di-n-butylphthalate	µg/L																	
bis(2-ethylhexyl)phthalate	µg/L																	
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L		2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.30 B	11.40	2.00 U	2 U	2 U	2 U	2 U	2 U	2 U
Ba (barium)	µg/L		41.10 B	48.10 B	30.30 B	98.00 B	24.70 B	34.40 B	35.40 B	100.00 B	36.80 B	49.4 B	93.3 B	48.2	52.8 B	94 B	48.1 B	
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L		329.00	376.00	110.00	239.00	50.70 B	556.00	806.00	13000.00	2340.00	27.7 B	195	23700	64.3 B	82.3 B	24300	
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L		195.00	626.00	244.00	621.00	540.00	280.00	268.00	502.00	592.00	157	50.1	1300	336	277	1290	
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L		1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	13.00 U	33.20	1.30 U	1.3 U	1.3 U	1.3 U	1.3 U	3.2	1.5 B	
Sb (antimony)	µg/L		2.10 U	2.40 B	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.10 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	
Se (selenium)	µg/L		3.40 U	3.40 U	3.40 U	3.40 U	3.40 U	3.40 U	3.40 U	3.40 U	3.40 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	
Ti (titanium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (Eh)	mV																	
temperature	° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L		0.010 U	0.01 U	0.010 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
TSS	mg/L																	
TDS	mg/L																	
TOC	mg/L																	
Chloride	mg/L																	
Fluoride	mg/L																	
TKN	mg/L																	
sulfate	mg/L																	
Percent solids																		
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(ix): VOC dilution factor
na: not analyzed

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Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG89WA-01 9/20/00	CLG88AWA-01 9/20/00	CLG88BWA-01 9/20/00	CLG83WA-01 9/20/00
VOCs							
				1.0			
chloromethane	ug/L		10.00	10.00	U		
bromomethane	ug/L		10.00	10.00	U		
vinyl chloride	ug/L		10.00	10.00	U		
chloroethane	ug/L		10.00	10.00	U		
trifluoroethane	ug/L		1.00	0.80	JB		
carbon disulfide	ug/L		5.00	5.00	U		
vinyl acetate	ug/L		10.00	10.00	U		
1,1-dichloroethene	ug/L		5.00	5.00	U		
1,2-dichloroethene (total)	ug/L		5.00	5.00	U		
cis-1,2-dichloroethene	ug/L		5.00	0.80	J		
trans-1,2-dichloroethene	ug/L		5.00	5.00	U		
chloroform	ug/L		5.00	5.00	U		
1,2-dichloropropane	ug/L		5.00	5.00	U		
2-butanone	ug/L		10.00	10.00	U		
1,1,1-trichloroethane	ug/L		5.00	5.00	U		
carbon tetrachloride	ug/L		5.00	5.00	U		
bromochloromethane	ug/L		5.00	5.00	U		
1,2-dichloropropane	ug/L		5.00	5.00	U		
cis-1,2-dichloropropene	ug/L		5.00	5.00	U		
trichloroethene	ug/L		5.00	0.70	J		
tribromochloromethane	ug/L		5.00	5.00	U		
1,1,2-trichloroethane	ug/L		5.00	5.00	U		
benzene	ug/L		0.70	0.70	U		
trans-1,2-dichloropropene	ug/L		5.00	5.00	U		
bromodrom	ug/L		5.00	5.00	U		
4-methyl-2-pentanone	ug/L		10.00	10.00	U		
2-hexanone	ug/L		10.00	10.00	U		
tetrachloroethene	ug/L		5.00	0.40	J		
ethene	ug/L		5.00	5.00	U		
1,1,2,2-tetrachloroethane	ug/L		5.00	5.00	U		
chlorobenzene	ug/L		5.00	5.00	U		
ethylbenzene	ug/L		5.00	5.00	U		
styrene	ug/L		5.00	5.00	U		
xylene	ug/L		5.00	5.00	U		
SVOCs							
1,2-dichlorobenzene	ug/L		11.00	U			
1,2,4-trichlorobenzene	ug/L		11.00	U			
2-chlorophenol	ug/L		11.00	U			
1,3-dichlorobenzene	ug/L		11.00	U			
1,4-dichlorobenzene	ug/L		11.00	U			
benzyl alcohol	ug/L		11.00	U			
1,2-dichlorobenzene	ug/L		11.00	U			
2-methylphenol	ug/L		11.00	U			
2,2'-oxybis(1-chloropropane)	ug/L		11.00	U			
4-methylphenol	ug/L		11.00	U			
N-nitroso-d, n-propylamine	ug/L		11.00	U			
hexachloroethane	ug/L		11.00	U			
nitrobenzene	ug/L		11.00	U			
naphthone	ug/L		11.00	U			
2-nitrophenol	ug/L		11.00	U			
2,4-dimethylphenol	ug/L		11.00	U			
benzoic acid	ug/L		56.00	U			
bis(2-chloroethoxy) methane	ug/L		11.00	U			
2,4-dimethylphenol	ug/L		11.00	U			
1,2,4-trichlorobenzene	ug/L		11.00	U			
naphthalene	ug/L		11.00	U			
4-chloroaniline	ug/L		11.00	U			
hexachlorobutadiene	ug/L		11.00	U			
4-chloro-3-methylphenol	ug/L		11.00	U			
5-methylazobenzene	ug/L		11.00	U			
hexachlorocyclopentadiene	ug/L		11.00	U			
2,4,6-trichlorophenol	ug/L		11.00	U			
2,4,5-trichlorophenol	ug/L		56.00	U			
2-chloronaphthalene	ug/L		11.00	U			
2-nitroaniline	ug/L		56.00	U			
dimethylphthalate	ug/L		11.00	U			
acronaphthylene	ug/L		11.00	U			
2,5-dinitrobenzene	ug/L		11.00	U			
3-nitroaniline	ug/L		56.00	U			
acronaphthylene	ug/L		11.00	U			
2,4-dinitrophenol	ug/L		56.00	U			
4-nitrophenol	ug/L		56.00	U			
3-nitrophenol	ug/L		56.00	U			
2,4-dinitrobenzene	ug/L		11.00	U			
diethylphthalate	ug/L		11.00	U			
4-chlorophenyl phenylether	ug/L		11.00	U			
fluorene	ug/L		11.00	U			
4-nitroaniline	ug/L		22.00	U			
4,6-dinitro-2-methylphenol	ug/L		56.00	U			
N-nitrosodiphenylamine	ug/L		11.00	U			
4-bromophenyl phenylether	ug/L		11.00	U			
hexachlorobenzene	ug/L		11.00	U			
pentachlorophenol	ug/L		56.00	U			
dibenzofuran	ug/L		11.00	U			
anthracene	ug/L		11.00	U			
carbazole	ug/L		11.00	U			
6-n-butyphthalate	ug/L		11.00	U			
fluoranthene	ug/L		11.00	U			
pyrene	ug/L		11.00	U			
1-methylphenol	ug/L		11.00	U			
1,2-dichlorobenzene	ug/L		22.00	U			
benzobenzofuran	ug/L		11.00	U			
chrysene	ug/L		11.00	U			
bis(2-ethylhexyl)phthalate	ug/L		2.0	JB			
di-n-cyclophthalate	ug/L		11.00	U			
benzobiphenylene	ug/L		11.00	U			
benzobiphenylene	ug/L		11.00	U			
benzobiphenylene	ug/L		11.00	U			
indeno(1,2,3-cd)pyrene	ug/L		11.00	U			
dibenz(a,h)anthracene	ug/L		11.00	U			
benzo(a,h)fluorene	ug/L		11.00	U			
metals							
Ag (silver)	ug/L						
Al (aluminum)	ug/L						
As (arsenic)	ug/L		2.5	U			
Ba (barium)	ug/L		27.0	U			
Be (beryllium)	ug/L						
Ca (calcium)	ug/L						
Cd (cadmium)	ug/L						
Co (cobalt)	ug/L						
Cr (chromium)	ug/L						
Cu (copper)	ug/L						
Fe (iron)	ug/L		44.7	B	487.0	491.0	261.0
Hg (mercury)	ug/L						
K (potassium)	ug/L		6560.0				
Mg (magnesium)	ug/L				469.0	493.0	469.0
Mn (manganese)	ug/L						
Na (sodium)	ug/L						
Ni (nickel)	ug/L						
Pb (lead)	ug/L		2.0	U			
Sb (antimony)	ug/L		5.0	U			
Se (selenium)	ug/L		5.0	U			
Tl (thallium)	ug/L						
V (vanadium)	ug/L						
Zn (zinc)	ug/L						
water quality							
field instrument							
pH	du						
dissolved oxygen	mg/L						
ORP (EH)	mV						
temperature	°C						
turbidity	NTU						
conductivity	uS/cm						
dissolved chromium	mg/L		0.010	U			
TSS	mg/L		5.0	U			
TDS	mg/L						
TDC	mg/L						
chloride	mg/L						
fluoride	mg/L						
TKN	mg/L		0.5				
sulfate	mg/L						
Percent solids							
Nitrate/nitrite			3.3	U			

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(eq): VOC dilution factor

nc: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-632
VOCs				9/27/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	0.4 J
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.5 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Pb (lead)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(n): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-033
VOCs				10/400
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Pb (lead)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(n): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-033
VOCs				10/400
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Pb (lead)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(n): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-038	CLG01BWA-038	CLG01CWA-038	CLG02WA-038	CLG04AWA-038	CLG04BWA-038	CLG05AWA-038	CLG05BWA-038	CLG06WA-038	CLG07AWA-038	CLG07BWA-038	CLG08AWA-038	CLG08BWA-038	CLG10WA-038	CLG09WA-038
VOCs				11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00	11/15/00
				5.0	2.0	10.0	5.0	5.0	5.0	5.0	5.0	2.0	1	1	1	1	1	1
chloromethane	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
bromomethane	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
vinyl chloride	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
chloroethane	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
methylene chloride	µg/L		5.00	10.00 JB	4.00 J	22.00 JB	10.00 JB	10.00 JB	9.00 JB	11.00 JB	11.00 JB	4.00 J	0.90 JB	1.00 JB	0.60 JB	0.60 JB	94.00 B	5.00 U
acetone	µg/L		10.00	50.00 U	6.00 J	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	6.00 J	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
carbon disulfide	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
vinyl acetate	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
1,1-dichloroethene	µg/L		5.00	25.00 U	2.00 J	7.00 J	3.00 J	2.00 J	2.00 J	2.00 J	2.00 J	1.00 J	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
1,1-dichloroethane	µg/L		5.00	25.00 U	10.00 U	4.00 J	1.00 J	1.00 J	1.00 J	1.00 J	1.00 J	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	8.00 J	12.00	33.00 J	18.00 J	17.00 J	15.00 J	16.00 J	16.00 J	13.00	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
trans-1,2-dichloroethene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
chloroform	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	280.00	5.00 U
1,2-dichloroethane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
2-butanone	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
1,1,1-trichloroethane	µg/L		5.00	2.00 J	4.00 J	18.00 J	7.00 J	6.00 J	6.00 J	6.00 J	6.00 J	4.00 J	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
carbon tetrachloride	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
bromodichloromethane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
1,2-dichloropropane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
cis-1,3-dichloropropene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
trichloroethene	µg/L		5.00	15.00 J	280.00	1400.00	470.00	400.00	390.00	420.00	380.00	320.00	2.00 J	3.00 J	0.90 J	0.90 J	120.00	0.40 J
dibromochloromethane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
1,1,2-trichloroethane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
benzene	µg/L		0.70	4.00 U	1.00 U	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	0.40 J	0.70 U	0.70 U	0.70 U	0.70 U	9.00 U	0.70 U
trans-1,3-dichloropropene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
bromoforn	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
4-methyl-2-pentanone	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
2-hexanone	µg/L		10.00	50.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	120.00 U	10.00 U
tetrachloroethene	µg/L		5.00	470.00	210.00	110.00	410.00	310.00	300.00	320.00	300.00	230.00	1.00 J	2.00 J	2.00 J	2.00 J	670.00	5.00 U
toluene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
chlorobenzene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
ethylbenzene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
styrene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	62.00 U	5.00 U
xylene	µg/L		5.00	25.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	1600.00	5.00 U
SVOCs																		
di-n-butylphthalate	µg/L																	10 U
bis(2-ethylhexyl)phthalate	µg/L																	10 U
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			2.5	U	2.5	U	2.5	U								2000	2.5 U
Ba (barium)	µg/L			78.6	B	110.0	B	61.2	B								97000	72.7 B
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			201.0		250.0		2260.0		819.0		142.0		828.0		141.0		130.0
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			458.0		462.0		323.0		469.0		470.0		686.0		465.0		463.0
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			2.0	U	16.7		2.0	U									
Sb (antimony)	µg/L			5.0	U	5.0	U	5.0	U									
Se (selenium)	µg/L			5.0	U	5.0	U	5.0	U									
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (EH)	mV																	
temperature	* C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.010	U	0.010	U	0.010	U								0.010	U
TSS	mg/L			5.0	U	5.0	U	9.0		5.0	U	5.0	U	5.0	U	5.0	U	5.0
TDS	mg/L									300.0		274.0		307.0		281.0		321
TOC	mg/L																	
Chloride	mg/L																	
Fluoride	mg/L																	
TKN	mg/L																	0.14
sulfate	mg/L																	0.14
Percent solids																		58.6
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(rx): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL609WA-039
VOCs				11/21/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	2 J
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.6 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	0.8 J
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-040
VOCs				11/29/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
field instrument				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(#x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-041
VOCs				12/6/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 B
acetone	µg/L		10.00	60
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.8 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	0.4 J
toluene	µg/L		5.00	0.3 J
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-043
VOCs				12/20/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	1 JB
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	0.8 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-045
VOCs				1/10/00
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	0.5 JB
acetone	µg/L		10.00	3 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	0.6 J
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	3 J
trichloroethene	µg/L		5.00	5 U
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	0.7 U
benzene	µg/L		0.70	5 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	10 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	0.9 J
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG09WA-046
VOCs				1/17/01
				1
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	0.4 J
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	0.5 J
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	2 J
dibromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethane	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	0.7 J
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCS				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(#x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-647 1/24/01
VOCs				
				1
chloromethane	µg/L	10.00		10 U
bromomethane	µg/L	10.00		10 U
vinyl chloride	µg/L	10.00		10 U
chloroethane	µg/L	10.00		10 U
methylene chloride	µg/L	5.00		5 U
acetone	µg/L	10.00		10 U
carbon disulfide	µg/L	5.00		5 U
vinyl acetate	µg/L	10.00		10 U
1,1-dichloroethene	µg/L	5.00		5 U
1,1-dichloroethane	µg/L	5.00		5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L	5.00		5 U
trans-1,2-dichloroethene	µg/L	5.00		5 U
chloroform	µg/L	5.00		5 U
1,2-dichloroethane	µg/L	5.00		5 U
2-butanone	µg/L	10.00		10 U
1,1,1-trichloroethane	µg/L	5.00		5 U
carbon tetrachloride	µg/L	5.00		5 U
bromodichloromethane	µg/L	5.00		5 U
1,2-dichloropropane	µg/L	5.00		5 U
cis-1,3-dichloropropene	µg/L	5.00		5 U
trichloroethene	µg/L	5.00		2.3
1-bromochloromethane	µg/L	5.00		5 U
1,1,2-trichloroethene	µg/L	5.00		5 U
benzene	µg/L	0.70		0.7 U
trans-1,3-dichloropropene	µg/L	5.00		5 U
bromoform	µg/L	5.00		5 U
4-methyl-2-pentanone	µg/L	10.00		10 U
2-hexanone	µg/L	10.00		10 U
tetrachloroethene	µg/L	5.00		1.3
toluene	µg/L	5.00		5 U
1,1,2,2-tetrachloroethane	µg/L	5.00		5 U
chlorobenzene	µg/L	5.00		5 U
ethylbenzene	µg/L	5.00		5 U
styrene	µg/L	5.00		5 U
xylene	µg/L	5.00		5 U
SVOCs				
phenol	µg/L			10 U
bis(2-chlorophenyl)ether	µg/L			10 U
2-chlorophenol	µg/L			10 U
1,3-dichlorobenzene	µg/L			10 U
1,4-dichlorobenzene	µg/L			10 U
benzyl alcohol	µg/L			10 U
1,2-dichlorobenzene	µg/L			10 U
2-methylphenol	µg/L			10 U
2,2-oxybis(1-chloropropane)	µg/L			10 U
4-methylphenol	µg/L			10 U
N-nitroso-di-n-propylamine	µg/L			10 U
hexachlorocyclopentadiene	µg/L			10 U
nitrobenzene	µg/L			10 U
sophrone	µg/L			10 U
2-nitrophenol	µg/L			10 U
2,4-dimethylphenol	µg/L			10 U
benzoic acid	µg/L			50 U
bis(2-chloroethoxy) methane	µg/L			10 U
2,4-dimethylphenol	µg/L			10 U
1,2,4-trichlorobenzene	µg/L			10 U
naphthalene	µg/L			10 U
4-chloroaniline	µg/L			10 U
hexachlorobutadiene	µg/L			10 U
4-chloro-3-methylphenol	µg/L			10 U
2-methylnaphthalene	µg/L			10 U
hexachlorocyclopentadiene	µg/L			10 U
2,4,6-trichlorophenol	µg/L			10 U
2,4,5-trichlorophenol	µg/L			50 U
2-chloronaphthalene	µg/L			10 U
2-nitroaniline	µg/L			50 U
dimethylphthalate	µg/L			10 U
acenaphthylene	µg/L			10 U
2,6-dinitrotoluene	µg/L			10 U
3-nitroaniline	µg/L			50 U
acenaphthene	µg/L			10 U
2,4-dinitrophenol	µg/L			50 U
4-nitrophenol	µg/L			50 U
1,3-dibenzofuran	µg/L			10 U
2,4-dinitrotoluene	µg/L			10 U
diethylphthalate	µg/L			10 U
4-chlorophenyl-phenylether	µg/L			10 U
fluorene	µg/L			10 U
4-nitroaniline	µg/L			20 U
1,6-dinitro-2-methylphenol	µg/L			50 U
N-nitrosodiphenylamine	µg/L			10 U
4-bromophenyl-phenylether	µg/L			10 U
hexachlorobenzene	µg/L			10 U
pentachlorophenol	µg/L			50 U
phenanthrene	µg/L			10 U
anthracene	µg/L			10 U
carbazole	µg/L			10 U
11-n-butylphthalate	µg/L			10 U
fluoranthene	µg/L			10 U
pyrene	µg/L			10 U
butylbenzylphthalate	µg/L			10 U
3,3-dichlorobenzidine	µg/L			20 U
benzobenzanthracene	µg/L			10 U
chrysene	µg/L			10 U
bis(2-ethylhexyl)phthalate	µg/L			10 U
6-n-cetylphthalate	µg/L			10 U
benzobifluoranthene	µg/L			10 U
benzobifluoranthene	µg/L			10 U
benzofluorene	µg/L			10 U
indeno(1,2,3-cd) pyrene	µg/L			10 U
1-benzo(a,h)anthracene	µg/L			10 U
benzo(a,h)pyrene	µg/L			10 U
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			3.5 U
Ba (barium)	µg/L			70.8 B
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			50 U
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			34.8
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			2 U
Sb (antimony)	µg/L			5 U
Se (selenium)	µg/L			4 U
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	mV			
temperature	C			
turbidity	NTU			
conductivity	mS/cm			
hexavalent chromium	mg/L			0.01 U
TSS	mg/L			25
TDS	mg/L			
TOC	mg/L			
Chloride	mg/L			
Fluoride	mg/L			
TKN	mg/L			0.16
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				3.75

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL99WA-048
VOCs				
Chloromethane	µg/L	10.00	10 U	
Bromomethane	µg/L	10.00	10 U	
Vinyl chloride	µg/L	10.00	10 U	
Chloroethane	µg/L	10.00	10 U	
Methylene chloride	µg/L	5.00	5 U	
Acetone	µg/L	10.00	2 JB	
Carbon disulfide	µg/L	5.00	5 U	
Vinyl acetate	µg/L	10.00	10 U	
1,1-dichloroethene	µg/L	5.00	5 U	
1,1-dichloroethane	µg/L	5.00	5 U	
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L	5.00	0.4 J	
trans-1,2-dichloroethene	µg/L	5.00	5 U	
Chloroform	µg/L	5.00	5 U	
1,2-dichloroethane	µg/L	5.00	5 U	
2-butanone	µg/L	10.00	10 U	
1,1,1-trichloroethane	µg/L	5.00	5 U	
Carbon tetrachloride	µg/L	5.00	5 U	
Bromochloromethane	µg/L	5.00	5 U	
1,2-dichloropropane	µg/L	5.00	5 U	
cis-1,3-dichloropropene	µg/L	5.00	5 U	
trichloroethene	µg/L	5.00	2 J	
dibromochloromethane	µg/L	5.00	5 U	
1,1,2-trichloroethane	µg/L	5.00	5 U	
Benzene	µg/L	0.70	0.7 U	
trans-1,3-dichloropropene	µg/L	5.00	5 U	
Bromodorm	µg/L	5.00	5 U	
4-methyl-2-pentanone	µg/L	10.00	10 U	
2-hexanone	µg/L	10.00	10 U	
tetrachloroethene	µg/L	5.00	0.5 J	
Toluene	µg/L	5.00	5 U	
1,1,2,2-tetrachloroethane	µg/L	5.00	5 U	
Chlorobenzene	µg/L	5.00	5 U	
Ethylbenzene	µg/L	5.00	5 U	
Xylene	µg/L	5.00	5 U	
Xylene	µg/L	5.00	5 U	
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	µg/L			
2-chlorophenol	µg/L			
1,3-dichlorobenzene	µg/L			
1,4-dichlorobenzene	µg/L			
Benzyl alcohol	µg/L			
1,2-dichlorobenzene	µg/L			
2-methylphenol	µg/L			
2,2'-oxybis(1-chloropropane)	µg/L			
4-methylphenol	µg/L			
N-nitroso-D-n-propylamine	µg/L			
hexachlorocyclopentadiene	µg/L			
chlorobenzene	µg/L			
isophorone	µg/L			
2-nitrophenol	µg/L			
2,4-dinitrophenol	µg/L			
benzoic acid	µg/L			
bis(2-chloroethoxy) methane	µg/L			
2,4-dinitrophenol	µg/L			
1,2,4-trichlorobenzene	µg/L			
naphthalene	µg/L			
4-chloroaniline	µg/L			
hexachlorocyclopentadiene	µg/L			
4-chloro-3-methylphenol	µg/L			
2-methylnaphthalene	µg/L			
hexachlorocyclopentadiene	µg/L			
2,4,6-trichlorophenol	µg/L			
2,4,5-trichlorophenol	µg/L			
2-chloronaphthalene	µg/L			
2-nitroaniline	µg/L			
dimethylphthalate	µg/L			
acronaphthene	µg/L			
2,6-dinitrotoluene	µg/L			
3-nitroaniline	µg/L			
acronaphthene	µg/L			
2,4-dinitrophenol	µg/L			
4-nitrophenol	µg/L			
diethoxybenzene	µg/L			
2,4-dinitrotoluene	µg/L			
dimethylphthalate	µg/L			
4-chlorophenyl phenylether	µg/L			
fluorene	µg/L			
4-nitroaniline	µg/L			
4,4'-dinitro-2-methylphenol	µg/L			
N-nitrosodiphenylamine	µg/L			
4-bromophenyl phenylether	µg/L			
hexachlorocyclopentadiene	µg/L			
pentachlorophenol	µg/L			
phenanthrene	µg/L			
anthracene	µg/L			
carbazole	µg/L			
di-n-butylphthalate	µg/L			
fluoranthene	µg/L			
pyrene	µg/L			
butylbenzylphthalate	µg/L			
3,3'-dichlorobenzidine	µg/L			
benzobiphenylene	µg/L			
fluorene	µg/L			
bis(2-ethylhexyl)phthalate	µg/L			
di-n-octylphthalate	µg/L			
benzobiphenylene	µg/L			
benzobiphenylene	µg/L			
benzopyrene	µg/L			
indeno(1,2,3-cd)pyrene	µg/L			
dibenz(a,h)anthracene	µg/L			
benzo(a,h)pyrene	µg/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Bb (beryllium)	µg/L			
Ca (calcium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Si (silicon)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLG01AWA-049	CLG01BWA-049	CLG01CWA-049	CLG02WA-049	CLG04AWA-049	CLG04BWA-049	CLG05AWA-049	CLG05BWA-049	CLG10WA-049	CLG09WA-049	CLG07AWA-049	CLG07BWA-049	CLG08AWA-049	CLG08BWA-005	CLG06WA-049
VOCs				2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01	2/7/01
				2.0	2.0	10.0	5.0	5.0	5.0	5.0	5.0	1.0	1	1	1	1	1	2
chloromethane	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
bromomethane	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
vinyl chloride	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
chloroethane	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
methylene chloride	µg/L		5.00	2.00 J	2.00 J	10.00 J	8.00 J	8.00 J	9.00 J	9.00 J	2.00 J	91 B	1 J	0.4 J	0.6 J	0.4 J	0.4 J	0.80 J
acetone	µg/L		10.00	10.00 JB	10.00 JB	28.00 JB	57.00 B	60.00 B	57.00 B	62.00 B	10.00 JB	86 JB	5 JB	3 JB	3 JB	10 U	2 JB	4.00 JB
carbon disulfide	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	8 J	5 U	5 U	5 U	5 U	5 U	10.00 U
vinyl acetate	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
1,1-dichloroethene	µg/L		5.00	0.70 J	4.00 J	12.00 J	4.00 J	5.00 J	4.00 J	4.00 J	4.00 J	65 U	5 U	5 U	5 U	5 U	5 U	2.00 J
1,1-dichloroethane	µg/L		5.00	10.00 U	1.00 J	5.00 J	25.00 U	2.00 J	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	2.00 J
1,2-dichloroethene (total)	µg/L																	
cis-1,2-dichloroethene	µg/L		5.00	7.00 J	14.00	29.00 J	16.00 J	14.00 J	16.00 J	16.00 J	15.00 J	17 J	5 U	5 U	5 U	5 U	0.5 J	13.00
trans-1,2-dichloroethene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
chloroform	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	290	5 U	5 U	5 U	5 U	5 U	10.00 U
1,2-dichloroethane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
2-butanone	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
1,1,1-trichloroethane	µg/L		5.00	1.00 J	8.00 J	22.00 J	9.00 J	8.00 J	8.00 J	8.00 J	7.00 J	65 U	5 U	5 U	5 U	5 U	5 U	5.00 J
carbon tetrachloride	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
bromodichloromethane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
1,2-dichloropropane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
cis-1,3-dichloropropene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
trichloroethene	µg/L		5.00	17.00	170.00	1300.00	400.00	390.00	390.00	400.00	380.00	120	2 J	1 J	2 J	1 J	2 J	290.00
dibromochloromethane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
1,1,2-trichloroethane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
benzene	µg/L		0.70	1.00 U	0.20 J	7.00 U	4.00 U	4.00 U	4.00 U	4.00 U	4.00 U	5 J	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	1.00 U
trans-1,3-dichloropropene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
bromolorm	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
4-methyl-2-pentanone	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
2-hexanone	µg/L		10.00	20.00 U	20.00 U	100.00 U	50.00 U	50.00 U	50.00 U	50.00 U	50.00 U	130 U	10 U	10 U	10 U	10 U	10 U	20.00 U
tetrachloroethene	µg/L		5.00	330.00	350.00	70.00	240.00	210.00	220.00	210.00	200.00	590	0.4 J	1 J	1 J	0.5 J	0.7 J	150.00
toluene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	7 J	0.2 J	5 U	5 U	5 U	5 U	10.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
chlorobenzene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
ethylbenzene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
styrene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	65 U	5 U	5 U	5 U	5 U	5 U	10.00 U
xylene	µg/L		5.00	10.00 U	10.00 U	50.00 U	25.00 U	25.00 U	25.00 U	25.00 U	25.00 U	1700	5 U	5 U	5 U	5 U	5 U	10.00 U
SVOCs													10 U					
Di-n-butylphthalate	µg/L												10 U					
bis(2-ethylhexyl)phthalate	µg/L																	
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			3 U	3.00 U	3.00 U						15.60	3 U					
Ba (barium)	µg/L			73.2 B	83.50 B	61.30 B						538.00	71.3 B					
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			86.3 B	220.00	661.00	134.00	155.00	197.00	110.00	117.00	24000.00	48.4 B					
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			485	422.00	312.00	406.00	449.00	458.00	425.00	430.00	19000.00	38.9					
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			3 U	21.40	3.00 U						14.30	3 U					
Sb (antimony)	µg/L			2 U	2.00 U	2.00 U						2.00 U	2 U					
Se (selenium)	µg/L			3.3 B	3.30 B	3.00 U						4.80 B	3 U					
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su		0.01															
dissolved oxygen	mg/L		0.10															
ORP (EH)	mV		0.10															
temperature	* C		0.1															
turbidity	NTU		1															
conductivity	mS/cm		0.01															
hexavalent chromium	mg/L			0.010 U	0.01 U	0.010 U						2.31 U	0.01 U					
TSS	mg/L			5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U		5 U	5 U	5 U	5 U	5 U	
TDS	mg/L							280.00	273.00	288.00	265.00		264					
TOC	mg/L																	
Chloride	mg/L												90.4					
Fluoride	mg/L												0.1 U					
TKN	mg/L												0.1 U					
sulfate	mg/L												55.9					
Percent solids																		
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

[illegible]

Analyte	units	EPA cleanup goal	MDL	CL09WA-051
				2/22/01
VOCs				1
chloromethane	µg/L	10.00	10 U	
bromomethane	µg/L	10.00	10 U	
vinyl chloride	µg/L	10.00	10 U	
chloroethane	µg/L	10.00	10 U	
trichloroethylene	µg/L	5.00	5 U	
acetone	µg/L	10.00	10 U	
carbon disulfide	µg/L	5.00	5 U	
vinyl acetate	µg/L	10.00	10 U	
1,1-dichloroethene	µg/L	5.00	5 U	
1,2-dichloroethene (total)	µg/L	5.00	5 U	
cis-1,2-dichloroethene	µg/L	5.00	5 U	
trans-1,2-dichloroethene	µg/L	5.00	5 U	
chloroform	µg/L	5.00	5 U	
1,2-dichloroethane	µg/L	5.00	5 U	
2-butanone	µg/L	10.00	10 U	
1,1,1-trichloroethane	µg/L	5.00	5 U	
carbon tetrachloride	µg/L	5.00	5 U	
bromodichloromethane	µg/L	5.00	5 U	
1,2-dichloropropane	µg/L	5.00	5 U	
cis-1,3-dichloropropene	µg/L	5.00	5 U	
trichloroethene	µg/L	5.00	1-3	
trichloroethene	µg/L	5.00	5 U	
1,1,2-trichloroethane	µg/L	5.00	5 U	
benzene	µg/L	0.75	0.7 U	
trans-1,3-dichloropropene	µg/L	5.00	5 U	
bromobenzene	µg/L	5.00	5 U	
4-methyl-2-pentanone	µg/L	10.00	10 U	
2-chloroethanol	µg/L	10.00	10 U	
tetrachloroethene	µg/L	5.00	0.4-3	
toluene	µg/L	5.00	5 U	
1,1,2,2-tetrachloroethane	µg/L	5.00	5 U	
chlorobenzene	µg/L	5.00	5 U	
ethylbenzene	µg/L	5.00	5 U	
styrene	µg/L	5.00	5 U	
cyclohexane	µg/L	5.00	5 U	
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	µg/L			
2-chlorophenol	µg/L			
1,3-dichlorobenzene	µg/L			
1,4-dichlorobenzene	µg/L			
benzyl alcohol	µg/L			
1,2-dichlorobenzene	µg/L			
2-methylphenol	µg/L			
2,2'-oxybis(1-chloropropane)	µg/L			
4-methylphenol	µg/L			
N-nitroso-N-propylamine	µg/L			
hexachloroethane	µg/L			
nitrobenzene	µg/L			
isophorone	µg/L			
2-nitrophenol	µg/L			
2,4-dimethylphenol	µg/L			
benzoic acid	µg/L			
bis(2-chloroethyl) methane	µg/L			
2,4-dimethylphenol	µg/L			
1,2,4-trichlorobenzene	µg/L			
naphthalene	µg/L			
4-chlorophenol	µg/L			
hexachlorobutadiene	µg/L			
4-chloro-2-methylphenol	µg/L			
2-methylnaphthalene	µg/L			
hexachlorocyclopentadiene	µg/L			
2,4,6-trichlorophenol	µg/L			
4,5,6-trichlorophenol	µg/L			
2-chloronaphthalene	µg/L			
4-nitroaniline	µg/L			
dimethylmethanediol	µg/L			
acetylphenylene	µg/L			
2,6-dichloroaniline	µg/L			
3-nitroaniline	µg/L			
acetylphenylene	µg/L			
2,4-dinitrophenol	µg/L			
4-nitrophenol	µg/L			
phenol	µg/L			
2,4-dinitrophenol	µg/L			
diethylphthalate	µg/L			
4-chlorophenyl phenylether	µg/L			
fluorene	µg/L			
4-nitroaniline	µg/L			
4,6-dinitro-2-methylphenol	µg/L			
N-nitrosodiphenylamine	µg/L			
4-bromophenyl phenylether	µg/L			
hexachlorobenzene	µg/L			
pentachlorophenol	µg/L			
phenanthrene	µg/L			
anthracene	µg/L			
carbazole	µg/L			
6-m-benzophthalate	µg/L			
fluoranthene	µg/L			
pyrene	µg/L			
nonylphenylphthalate	µg/L			
3,5-dichlorobenzoic acid	µg/L			
benzothiazylacetic acid	µg/L			
chrysene	µg/L			
bis(2-ethylhexyl)phthalate	µg/L			
6-m-benzophthalate	µg/L			
benzobifluoranthene	µg/L			
benzofluoranthene	µg/L			
benzocyclopentadiene	µg/L			
indeno 1,2,3-cd pyrene	µg/L			
benzo[a]anthracene	µg/L			
benzo[a]pyrene	µg/L			
metals				
As (arsenic)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Ct (cotton)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Pb (lead)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	ppm			
dissolved oxygen	mg/L			
ORP (Eh)	mV			
temperature	°C			
turbidity	NTU			
conductivity	mS/cm			
unfiltered chromium	mg/L			
TSS	mg/L			
TDS	mg/L			
TOC	mg/L			
chloride	mg/L			
fluoride	mg/L			
TKN	mg/L			
ammonia	mg/L			
percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(N): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

[illegible]

boldface: value exceeds max cleanup goal
italics: value outside range
(#x): VOC dilution factor
na: not analyzed

U: not detected
J: estimated
R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLWA09-053
VOCs				37701 1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	1.3
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene (total)	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophorone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzobenzanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzokfluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
di-benzo (a,h)anthracene	ug/L			
benzo(a,l)pyrene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLWA09-054 3/14/01
VOCs				
				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	1.1
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	1.1
1-bromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	5 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophorone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
1,1-dibenzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
3,3'-bis(4-benzyl)phthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3'-dichlorobenzidine	ug/L			
benzodioxanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzokfluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
benzo(a,h)anthracene	ug/L			
benzo(a,i)perylene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-055
				32101
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	2.1
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	1.3
1-bromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			10 U
bis(2-chlorophenyl)ether	µg/L			10 U
2-chlorophenol	µg/L			10 U
1,3-dichlorobenzene	µg/L			10 U
1,4-dichlorobenzene	µg/L			10 U
benzyl alcohol	µg/L			10 U
1,2-dichlorobenzene	µg/L			10 U
2-methylphenol	µg/L			10 U
2,2-oxybis(1-chloropropane)	µg/L			10 U
4-methylphenol	µg/L			10 U
N-nitroso-di-n-propylamine	µg/L			10 U
hexachlorocyclopentadiene	µg/L			10 U
nitrobenzene	µg/L			10 U
sophrone	µg/L			10 U
2-nitrophenol	µg/L			10 U
2,4-dimethylphenol	µg/L			10 U
benzoic acid	µg/L			50 U
bis(2-chloroethoxy) methane	µg/L			10 U
2,4-dimethylphenol	µg/L			10 U
1,4-nitrobenzene	µg/L			10 U
naphthalene	µg/L			10 U
4-chloroaniline	µg/L			10 U
hexachlorobutadiene	µg/L			10 U
4-chloro-3-methylphenol	µg/L			10 U
2-methylnaphthalene	µg/L			10 U
hexachlorocyclopentadiene	µg/L			10 U
2,4,6-trichlorophenol	µg/L			10 U
2,4,5-trichlorophenol	µg/L			50 U
2-chloronaphthalene	µg/L			10 U
2-nitroaniline	µg/L			50 U
dimethylphthalate	µg/L			10 U
acenaphthylene	µg/L			10 U
2,6-dinitrotoluene	µg/L			10 U
3-nitroaniline	µg/L			50 U
acenaphthene	µg/L			10 U
2,4-dinitrophenol	µg/L			50 U
4-nitrophenol	µg/L			50 U
1,2-dibenzofuran	µg/L			10 U
2,4-dinitrotoluene	µg/L			10 U
diethylphthalate	µg/L			10 U
4-chlorophenyl-phenylether	µg/L			10 U
fluorene	µg/L			10 U
4-nitroaniline	µg/L			20 U
1,6-dinitro-2-methylphenol	µg/L			50 U
N-nitrosodiphenylamine	µg/L			10 U
4-bromophenyl-phenylether	µg/L			10 U
hexachlorobenzene	µg/L			10 U
pentachlorophenol	µg/L			50 U
phenanthrene	µg/L			10 U
anthracene	µg/L			10 U
carbazole	µg/L			10 U
11-n-butylphthalate	µg/L			10 U
fluoranthene	µg/L			10 U
pyrene	µg/L			10 U
butylbenzylphthalate	µg/L			10 U
3,3-dichlorobenzidine	µg/L			20 U
benzofluoranthene	µg/L			10 U
chrysene	µg/L			10 U
bis(2-ethylhexyl)phthalate	µg/L			0.2 U
6-n-cetylphthalate	µg/L			10 U
benzofluoranthene	µg/L			10 U
benzofluoranthene	µg/L			10 U
benzofluoranthene	µg/L			10 U
indeno(1,2,3-cd) pyrene	µg/L			10 U
1-benzo(a,h)anthracene	µg/L			10 U
benzo(a,h)pyrene	µg/L			10 U
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			2.4 U
Ba (barium)	µg/L			71.4 B
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			104
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			62.2
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			2.2 U
Sb (antimony)	µg/L			1.5 U
Se (selenium)	µg/L			2.6 U
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	mV			
temperature	C			
turbidity	NTU			
conductivity	mS/cm			
hexavalent chromium	mg/L			0.01 U
TSS	mg/L			0.5 U
TDS	mg/L			
TOC	mg/L			
Chloride	mg/L			
Fluoride	mg/L			
TKN	mg/L			0.1 U
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				3.66

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-056
				3/29/01
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	1.3
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophorone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
dibenzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
3,3'-bis(4-benzyl)phthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3'-dichlorobenzidine	ug/L			
benzobenzanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzokfluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
benzo(a,h)anthracene	ug/L			
benzo(a,i)perylene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-057
				4/4/01
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	1.3
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	5 U
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophrone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzobenzanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzokfluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
di-benzo (a,h)anthracene	ug/L			
benzo(a,l)pyrene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (n): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-058
				2/11/01
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	1.3
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	4.3
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	4.3
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	79
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	28
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophrone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
2,4-dichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzodioxanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzobifluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
di-benzo (a,h)anthracene	ug/L			
benzo(a,l)pyrene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (rx): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MCL	CPLWVA-099
4/18/01				
VOCs				
chloromethane	µg/L	10.00	10 U	
dichloromethane	µg/L	10.00	10 U	
viny chloride	µg/L	10.00	10 U	
chloroethane	µg/L	10.00	10 U	
methylene chloride	µg/L	5.00	6.3 J	
bromochloromethane	µg/L	10.00	10 U	
carbon disulfide	µg/L	5.00	5 U	
nMyl acetate	µg/L	10.00	10 U	
1,2-dibromoethane	µg/L	5.00	5 U	
1,1-dichloroethene	µg/L	5.00	5 U	
1,2-dichloroethene (total)	µg/L	5.00	5 U	
cis-1,2-dichloroethene	µg/L	5.00	1 J	
trans-1,2 dichloroethene	µg/L	5.00	5 U	
chloroform	µg/L	5.00	5 U	
tetrachloroethene	µg/L	5.00	5 U	
p-chlorophenol	µg/L	5.00	5 U	
monochloromethane	µg/L	5.00	5 U	
1,2-trichloroethene	µg/L	5.00	5 U	
benzene	µg/L	0.70	0.7 U	
trans-1,3-dichloropropene	µg/L	5.00	5 U	
bromoforn	µg/L	10.00	10 U	
1-methyl-2-pentanone	µg/L	10.00	10 U	
n-hexanone	µg/L	10.00	10 U	
tetrachloroethene	µg/L	5.00	4 J	
perylene	µg/L	5.00	5 U	
1,1,2,2-tetrachloroethane	µg/L	5.00	5 U	
chlorobenzene	µg/L	5.00	5 U	
styrene	µg/L	5.00	5 U	
sylene	µg/L	5.00	5 U	
SVOCs				
phenol	µg/L		10 U	
acid-2-chlorophenylether	µg/L		10 U	
chlorophenol	µg/L		10 U	
1-chlorobenzenes	µg/L		10 U	
1,4-chlorobenzenes	µg/L		10 U	
benzyl alcohol	µg/L		10 U	
1,2-dichlorobenzene	µg/L		10 U	
2-methylphenol	µg/L		10 U	
2-sordiol-(2-chloropropane)	µg/L		10 U	
4-methylpheno	µg/L		10 U	
N-nitroso-D-n-propylamine	µg/L		10 U	
hexachlorobutadiene	µg/L		10 U	
nitrobenzene	µg/L		10 U	
sipholene	µg/L		10 U	
nitrophenol	µg/L		10 U	
2,4-dinitrophenol	µg/L		10 U	
benzoic acid	µg/L		50 U	
acid-2-chlorophenoyl methane	µg/L		10 U	
4-methylphenol	µg/L		10 U	
1,2,4-trichlorobenzene	µg/L		10 U	
naphthalene	µg/L		10 U	
4-chlorophenole	µg/L		10 U	
hexachlorobutadiene	µg/L		10 U	
4-chloro-3-methylphenol	µg/L		10 U	
methoxytolualene	µg/L		10 U	
hexachlorocyclopentadiene	µg/L		10 U	
2,4,6-trichlorophenol	µg/L		10 U	
2,4-dichlorophenol	µg/L		80 U	
2-chloronaphtalene	µg/L		10 U	
2 nitraniline	µg/L		50 U	
metamorphosphate	µg/L		10 U	
acetonitrile	µg/L		10 U	
2-nitrotoluene	µg/L		10 U	
nitroanthracene	µg/L		10 U	
4-nitrophthalol	µg/L		50 U	
4-nitrophenol	µg/L		10 U	
4-nitrophenol	µg/L		10 U	
mercurous phenylether	µg/L		10 U	
fluorene	µg/L		10 U	
4-nitraniline	µg/L		20 U	
D-isotrio-2 methylphenol	µg/L		80 U	
N-nitrosodicyclantene	µg/L		10 U	
4-bromophenylylether	µg/L		10 U	
hexachlorobenzene	µg/L		10 U	
pentachlorophenol	µg/L		80 U	
phenanthrene	µg/L		10 U	
anthracene	µg/L		10 U	
carbazole	µg/L		10 U	
fluoarantine	µg/L		10 U	
pyrene	µg/L		10 U	
butyleneglythalate	µg/L		10 U	
3-chlorobenzoindine	µg/L		20 U	
benzothiazolecarbazole	µg/L		10 U	
chrysene	µg/L		10 U	
benzo(2 ethylhexyl)phthalate	µg/L		0.6 J	
B-n-butylphthalate	µg/L		10 U	
benzo(p) fluoranthene	µg/L		10 U	
benzo(f) fluoranthene	µg/L		10 U	
benzo(g) pyrenene	µg/L		10 U	
benzo(a,h,i,j,k) pyrene	µg/L		10 U	
benzo(a,b) anthracene	µg/L		10 U	
benzo(k) fluopyrene	µg/L		10 U	
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L		4.2 U	
Ba (barium)	µg/L		61.8 B	
Bs (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L		30.2 B	
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L		27.4	
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L		2 U	
Sh (strontium)	µg/L		4.4 U	
Se (selenium)	µg/L		4.9 U	
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
lab				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	mw			
temperature	° C			
turbidity	NTU			
conductivity	ms/cm			
hexavalent chromum	mg/L			0.01 U
TSS	mg/L			
DO	mg/L			313
TCO	mg/L			
chloride	mg/L			
fluoride	mg/L			
TDS	mg/L			
sulfate	mg/L			
Percent solids				

Notes:

boldface: value exceeds max cleanup goal	U: not detected
<i>italics:</i> value outside range	J: estimated
(#x): VOC dilution factor	R: rejected
na: not analyzed	

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-061 2/24/01
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	0.8 J
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	11
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	4 J
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophorone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzodioxanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzobifluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
di-benzo (a,h)anthracene	ug/L			
benzo(a,l)pyrene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-062
VOCs				5/2/01 1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	5 U
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	5
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	1.2
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophorone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzofluoranthene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzofluoranthene	ug/L			
benzofluoranthene	ug/L			
benzofluoranthene	ug/L			
benzofluoranthene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
benzo(a,h)anthracene	ug/L			
benzo(a,h)perylene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (ex): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CL09WA-063
				5/9/01
VOCs				1.0
chloromethane	µg/L		10.00	10 U
bromomethane	µg/L		10.00	10 U
vinyl chloride	µg/L		10.00	10 U
chloroethane	µg/L		10.00	10 U
methylene chloride	µg/L		5.00	2 J
acetone	µg/L		10.00	10 U
carbon disulfide	µg/L		5.00	5 U
vinyl acetate	µg/L		10.00	10 U
1,1-dichloroethene	µg/L		5.00	5 U
1,1-dichloroethane	µg/L		5.00	5 U
1,2-dichloroethene (total)	µg/L			
cis-1,2-dichloroethene	µg/L		5.00	5 U
trans-1,2-dichloroethene	µg/L		5.00	5 U
chloroform	µg/L		5.00	5 U
1,2-dichloroethane	µg/L		5.00	5 U
2-butanone	µg/L		10.00	10 U
1,1,1-trichloroethane	µg/L		5.00	5 U
carbon tetrachloride	µg/L		5.00	5 U
bromodichloromethane	µg/L		5.00	5 U
1,2-dichloropropane	µg/L		5.00	5 U
cis-1,3-dichloropropene	µg/L		5.00	5 U
trichloroethene	µg/L		5.00	4 J
tribromochloromethane	µg/L		5.00	5 U
1,1,2-trichloroethene	µg/L		5.00	5 U
benzene	µg/L		0.70	0.7 U
trans-1,3-dichloropropene	µg/L		5.00	5 U
bromoform	µg/L		5.00	5 U
4-methyl-2-pentanone	µg/L		10.00	10 U
2-hexanone	µg/L		10.00	10 U
tetrachloroethene	µg/L		5.00	1 J
toluene	µg/L		5.00	5 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5 U
chlorobenzene	µg/L		5.00	5 U
ethylbenzene	µg/L		5.00	5 U
styrene	µg/L		5.00	5 U
xylene	µg/L		5.00	5 U
SVOCs				
phenol	µg/L			
bis(2-chloroethyl)ether	ug/L			
2-chlorophenol	ug/L			
1,3-dichlorobenzene	ug/L			
1,4-dichlorobenzene	ug/L			
benzyl alcohol	ug/L			
1,2-dichlorobenzene	ug/L			
2-methylphenol	ug/L			
2,2-oxybis(1-chloropropane)	ug/L			
4-methylphenol	ug/L			
N-nitroso-di-n-propylamine	ug/L			
hexachloroethane	ug/L			
nitrobenzene	ug/L			
sophrone	ug/L			
2-nitrophenol	ug/L			
2,4-dimethylphenol	ug/L			
benzoic acid	ug/L			
bis(2-chloroethoxy) methane	ug/L			
2,4-dimethylphenol	ug/L			
1,2,4-trichlorobenzene	ug/L			
naphthalene	ug/L			
4-chloroaniline	ug/L			
hexachlorobutadiene	ug/L			
4-chloro-3-methylphenol	ug/L			
2-methylnaphthalene	ug/L			
hexachlorocyclopentadiene	ug/L			
2,4,6-trichlorophenol	ug/L			
2,4,5-trichlorophenol	ug/L			
3-chloronaphthalene	ug/L			
2-nitroaniline	ug/L			
dimethylphthalate	ug/L			
acenaphthylene	ug/L			
2,6-dinitrotoluene	ug/L			
3-nitroaniline	ug/L			
acenaphthene	ug/L			
2,4-dinitrophenol	ug/L			
4-nitrophenol	ug/L			
di-benzofuran	ug/L			
2,4-dinitrotoluene	ug/L			
diethylphthalate	ug/L			
4-chlorophenyl-phenylether	ug/L			
fluorene	ug/L			
4-nitroaniline	ug/L			
1,6-dinitro-2-methylphenol	ug/L			
N-nitrosodiphenylamine	ug/L			
4-bromophenyl-phenylether	ug/L			
hexachlorobenzene	ug/L			
pentachlorophenol	ug/L			
phenanthrene	ug/L			
anthracene	ug/L			
carbazole	ug/L			
di-n-butylphthalate	ug/L			
fluoranthene	ug/L			
pyrene	ug/L			
butylbenzylphthalate	ug/L			
3,3-dichlorobenzidine	ug/L			
benzodioxanthracene	ug/L			
chrysene	ug/L			
bis(2-ethylhexyl)phthalate	ug/L			
6-n-cetylphthalate	ug/L			
benzobifluoranthene	ug/L			
benzokfluoranthene	ug/L			
benzofluorene	ug/L			
indeno(1,2,3-cd) pyrene	ug/L			
di-benzo (a,h)anthracene	ug/L			
benzo(a,l)pyrene	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

boldface: value exceeds max cleanup goal
 italics: value outside range
 (rx): VOC dilution factor
 na: not analyzed

U: not detected
 J: estimated
 R: rejected

Table x
Clairemont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLMWEW1 A-065	CLMWEW1 B-065	CLMWEW1 C-065	CL09WA-065	CLMWDW 2-065	CLMWEW5-065	CLMWSW1-065	CLMWDW 2-065	CLMWEW2 A-065	CLMWEW2 B-065	CLMWEW2 C-065	CLWA09-66	CLMWEW4 A-065	CLMWEW4 B-065	CLMWEW4 C-065
VOCs				5/24/01 2.0	5/24/01 1.0	5/24/01 1.0	5/24/01 1.0	5/25/01 1.0	5/25/01 1.0	5/25/01 50.0	5/25/01 1.0	5/30/01 1.0	5/30/01 1	5/30/01 1	5/30/01 1	5/31/01 1	5/31/01 2	5/31/01 20
chloromethane	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
bromomethane	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
vinyl chloride	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
chloroethane	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
methylene chloride	µg/L		5.00	4.00 J	2.00 J	0.90 JB	5.00	0.50 J	0.50 J	140.00 J	0.60 J	5.00 U	5 U	2 J	1 J	1 J	2.00 J	49 J
acetone	µg/L		10.00	6.00 JB	3.00 JB	2.00 JB	7.00 J	2.00 JB	1.00 JB	500.00 U	2.00 JB	2.00 JB	10 U	2 JB	10 U	2 JB	6.00 J	120 J
carbon disulfide	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
vinyl acetate	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
1,1-dichloroethene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.60 J	250.00 U	5.00 U	5.00 U	16	93	5 U	5 U	10.00 U	100 U
1,1-dichloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	0.60 J	250.00 U	5.00 U	5.00 U	2 J	17	5 U	5 U	10.00 U	100 U
1,2-dichloroethene (total)	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	8.00	63.00 J	5.00 U	0.60 J	8	26	0.5 J	4 J	4.00 J	32 J
cis-1,2-dichloroethene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
trans-1,2-dichloroethene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	0.6 J	5 U	5 U	5 U	10.00 U	100 U
chloroform	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
1,2-dichloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
2-butanone	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	0.8 JB	10 U	10 U	20.00 U	200 U
1,1,1-trichloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	0.60 J	32	170	5 U	1 J	3.00 J	11 J
carbon tetrachloride	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
bromodichloromethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
1,2-dichloropropane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
cis-1,3-dichloropropene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
trichloroethene	µg/L		5.00	4.00 J	5.00 U	5.00 U	3.00 J	0.80 J	78.00 J	72.00 J	5.00 U	0.80 J	13	41	3 J	3 J	220.00	2100
dibromochloromethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
1,1,2-trichloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
benzene	µg/L		0.70	1.00 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	35.00 U	0.70 U	0.70 U	0.7 U	0.7 U	0.7 U	0.7 U	1.00 U	14 U
trans-1,3-dichloropropene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
bromoform	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
4-methyl-2-pentanone	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
2-hexanone	µg/L		10.00	20.00 U	10.00 U	10.00 U	10.00 U	10.00 U	10.00 U	500.00 U	10.00 U	10.00 U	10 U	10 U	10 U	10 U	20.00 U	200 U
tetrachloroethene	µg/L		5.00	30.00	2.00 J	5.00 U	1.00 J	1.00 J	1.00 J	4500.00	5.00 U	55.00	20	99	0.8 J	70	5.00 J	38 J
toluene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
1,1,2,2-tetrachloroethane	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
chlorobenzene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
ethylbenzene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
styrene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
xylene	µg/L		5.00	10.00 U	5.00 U	5.00 U	5.00 U	5.00 U	5.00 U	250.00 U	5.00 U	5.00 U	5 U	5 U	5 U	5 U	10.00 U	100 U
SVOCS																		
Di-n-butylphthalate	µg/L																	
bis(2-ethylhexyl)phthalate	µg/L																	
metals																		
Ag (silver)	µg/L																	
Al (aluminum)	µg/L																	
As (arsenic)	µg/L			4.1 U	4.10 U	4.10 U		4.10 U	4.10 U	4.10 U	4.10 U	5.70 B	4.2 U	4.2 U		5.6 B	4.2 U	4.2 U
Ba (barium)	µg/L			80.4 B	26.40 B	40.80 B		50.20 B	44.80 B	53.90 B	36.10 B	11.80 B	46.7 B	37.6 B		61.6 B	34.5 B	34.4 B
Be (beryllium)	µg/L																	
Ca (calcium)	µg/L																	
Cd (cadmium)	µg/L																	
Co (cobalt)	µg/L																	
Cr (chromium)	µg/L																	
Cu (copper)	µg/L																	
Fe (iron)	µg/L			48.5 B	38.20 B	224.00		24.00 B	57.20 B	328.00	2560.00	6440.00	59.3 B	404		28700	20.5 U	57.1 B
Hg (mercury)	µg/L																	
K (potassium)	µg/L																	
Mg (magnesium)	µg/L																	
Mn (manganese)	µg/L			571	273.00	265.00		108.00	378.00	128.00	473.00	547.00	374	135		1160	163	99.5
Na (sodium)	µg/L																	
Ni (nickel)	µg/L																	
Pb (lead)	µg/L			2.6 U	2.60 U	2.60 U		2.60 U	2.60 U	2.60 U	2.60 U	6.30	2 U	2.8 B		5.8	2 U	2 U
Sb (antimony)	µg/L			4.5 U	4.50 U	4.50 U		4.50 U	4.50 U	4.50 U	4.50 U	4.40 U	4.4 U	4.4 U		4.4 U	4.4 U	4.4 U
Se (selenium)	µg/L			4.6 U	4.60 U	4.60 U		4.60 U	4.60 U	4.60 U	4.60 U	4.90 U	4.9 U	4.9 U		4.9 U	4.9 U	4.9 U
Tl (thallium)	µg/L																	
V (vanadium)	µg/L																	
Zn (zinc)	µg/L																	
water quality																		
lab																		
pH	su																	
dissolved oxygen	mg/L																	
ORP (Eh)	mV																	
temperature	° C																	
turbidity	NTU																	
conductivity	mS/cm																	
hexavalent chromium	mg/L			0.010 U	0.01 U	0.010 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U		0.01 U	0.01 U	0.01 U
TSS	mg/L																	
TDS	mg/L																	
TOC	mg/L																	
Chloride	mg/L																	
Fluoride	mg/L																	
TKN	mg/L																	
sulfate	mg/L																	
Percent solids																		
Nitrate/nitrite																		

Notes:

boldface: value exceeds max cleanup goal

italics: value outside range

(#x): VOC dilution factor

na: not analyzed

U: not detected

J: estimated

R: rejected

Table x
Claremont Polychemical Superfund Site

Analyte	units	EPA cleanup goal	MDL	CLWA09-067
				6/8/01
VOCs				1.0
chloromethane	µg/L		10.00	10.00 U
bromomethane	µg/L		10.00	10.00 U
vinyl chloride	µg/L		10.00	10.00 U
chloroethane	µg/L		10.00	10.00 U
methylene chloride	µg/L		5.00	5.00 U
acetone	µg/L		10.00	10.00 U
carbon disulfide	µg/L		5.00	5.00 U
vinyl acetate	µg/L		10.00	10.00 U
1,1-dichloroethene	µg/L		5.00	5.00 U
1,1-dichloroethane	µg/L		5.00	5.00 U
1,2-dichloroethene (total)	ug/L			
cis-1,2-dichloroethene	µg/L		5.00	5.00 U
trans-1,2-dichloroethene	µg/L		5.00	5.00 U
chloroform	µg/L		5.00	5.00 U
1,2-dichloroethane	µg/L		5.00	5.00 U
2-butanone	µg/L		10.00	10.00 U
1,1,1-trichloroethane	µg/L		5.00	5.00 U
carbon tetrachloride	µg/L		5.00	5.00 U
bromodichloromethane	µg/L		5.00	5.00 U
1,2-dichloropropane	µg/L		5.00	5.00 U
cis-1,3-dichloropropene	µg/L		5.00	5.00 U
trichloroethene	µg/L		5.00	4.00 J
dibromochloromethane	µg/L		5.00	5.00 U
1,1,2-trichloroethane	µg/L		5.00	5.00 U
benzene	µg/L		0.70	0.70 U
trans-1,3-dichloropropene	µg/L		5.00	5.00 U
bromoform	µg/L		5.00	5.00 U
4-methyl-2-pentanone	µg/L		10.00	10.00 U
2-hexanone	µg/L		10.00	10.00 U
tetrachloroethene	µg/L		5.00	0.90 J
toluene	µg/L		5.00	5.00 U
1,1,2,2-tetrachloroethane	µg/L		5.00	5.00 U
chlorobenzene	µg/L		5.00	5.00 U
ethylbenzene	µg/L		5.00	5.00 U
styrene	µg/L		5.00	5.00 U
xylene	µg/L		5.00	5.00 U
SVOCs				
Di-n-butylphthalate	µg/L			
bis(2-ethylhexyl)phthalate	ug/L			
metals				
Ag (silver)	µg/L			
Al (aluminum)	µg/L			
As (arsenic)	µg/L			
Ba (barium)	µg/L			
Be (beryllium)	µg/L			
Ca (calcium)	µg/L			
Cd (cadmium)	µg/L			
Co (cobalt)	µg/L			
Cr (chromium)	µg/L			
Cu (copper)	µg/L			
Fe (iron)	µg/L			
Hg (mercury)	µg/L			
K (potassium)	µg/L			
Mg (magnesium)	µg/L			
Mn (manganese)	µg/L			
Na (sodium)	µg/L			
Ni (nickel)	µg/L			
Pb (lead)	µg/L			
Sb (antimony)	µg/L			
Se (selenium)	µg/L			
Tl (thallium)	µg/L			
V (vanadium)	µg/L			
Zn (zinc)	µg/L			
water quality				
<i>lab</i>				
pH	su			
dissolved oxygen	mg/L			
ORP (Eh)	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			
TKN	mg/L			
sulfate	mg/L			
Percent solids				
Nitrate/nitrite				

Notes:

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