LEHR/SCDS
ENVIRONMENTAL RESTORATION

FINAL 2002 COMPREHENSIVE ANNUAL WATER MONITORING REPORT

University of California, Davis

December 19, 2003

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December 19, 2003

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017/25042-006

Subject: Draft 2002 Comprehensive Annual Water Monitoring Report, University of California, Davis, Davis, California

Dear Mr. Oatman:

Enclosed are two copies of the Final 2002 Comprehensive Annual Water Monitoring Report revised based on comments from the RPMs.

Transmission of this letter also provides notice that the undersigned is licensed by the State Board of Registration for Geologists and Geophysicists to practice geology in the State of California and has reviewed the attached report. This notice is being provided in compliance with Section 3066 of the rules and Regulations of the State Board (Title 16 CCR, Chapter 29).

If you have any questions or comments, please do not hesitate to call me at (916) 853-5334.

Sincerely,

BROWN AND CALDWELL

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JBT:ap
Enclosures

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LIST OF ACRONYMS AND ABBREVIATIONS

ADR	automated data review
AMA	action memorandum amendment
AOC	Administrative Order on Consent
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	constituent of concern
CPT	cone penetrometer test
CRDL	contract required detection limit
CVRWQCB	Central Valley Regional Water Quality Control Board
DDC	density-driven convection
DOE	United States Department of Energy
DWR	California Department of Water Resources
EDD	electronic data deliverable
Eh	oxidation potential
EPA	United States Environmental Protection Agency
FS	feasibility study
FSP	field sampling plan
ft/s	feet per second
GEL	General Engineering Laboratories
GPM	gallons per minute
HHRA	human health risk assessment
HSU	hydrostratigraphic unit
IRA	interim remedial action
K	hydraulic conductivity
LEHR/SCDS	Laboratory for Energy-related Health Research/South Campus Disposal Site
LCS	laboratory control samples
LCSD	laboratory control sample duplicate
LTPS	Land Treatment Pilot Study
MDL	method detection limit
mg/L	milligrams per liter
MOA	memorandum of agreement
MS	matrix spike
MSD	matrix spike duplicate
NITRATE	nitrate as nitrogen
NPDES	National Pollutant Discharge Elimination System
PCB	polychlorinated biphenyl
PCD	Putah Creek downstream sampling location
pCi/L	picoCuries per liter
PCU	Putah Creek upstream sampling location
QAPP	quality assurance project plan
QC	quality control
RI	remedial investigation
RPD	relative percent difference
RPM	Remedial Project Manager

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

SOW	statement of work for removal actions and mitigation repair
STL	Severn-Trent Laboratories
STPO	UC Davis sewage treatment plant sampling location
TDS	total dissolved solids
TEM	transient electromagnetic
TOC	total organic carbon
TSS	total suspended solids
UC Davis	University of California of Davis
VOC	volatile organic compound
WDR	Waste Discharge Requirement
μg/L	micrograms per liter

SECTION 0
EXECUTIVE SUMMARY

This report presents the results of the 2002 comprehensive water monitoring programs conducted at the former Laboratory for Energy-related Health Research facility and South Campus Disposal Site (LEHR/SCDS) (Site). The Site is located at the University of California, Davis (UC Davis) campus

Water monitoring programs discussed in this report include:

- The density-driven convection (DDC) expanded pilot system test
- Remedial investigation (RI) water monitoring
- Groundwater, influent, and effluent monitoring for the groundwater interim remedial action (IRA) treatment system; and
- The land treatment pilot study (LTPS).

0.1 DDC System Pilot Test

The initial DDC system pilot test was installed to assess whether the technology was effective in reducing the mass of chloroform present in the shallow groundwater system. An expanded DDC system was described in the USEPA approved January 31, 2002 Work Plan prepared by Brown and Caldwell. The DDC system was expanded between August and December 2002. This expanded system consists of five new DDC wells (DDC-2 through DDC-6), three new HSU-1 wells (UCD1-49 through UCD1-51) and one new HSU-2 well (UCD2-48). The expanded system monitoring consists of baseline, weekly for the first four weeks, monthly from month 2 to 4 after startup, and quarterly thereafter for one year. The baseline and weekly sampling was conducted during 2002, and the monthly and quarterly sampling will continue through 2003. The expanded DDC system will be discussed further in the System Summary Report to be prepared after one year of operation (December 2003). However the initial results combined with data from the overall water monitoring program suggest that the system is operating as intended and has significantly reduced the mass of chloroform reaching the HSU-2 aquifer.

The concentrations of chloroform in UCD1-49 after the first four weeks of operation of the expanded pilot test system have decreased significantly indicating that the chloroform mass in the area of this well is being reduced. Although concentrations in the DDC area have been going down since 1995 from natural attenuation, the orders of magnitude lower concentrations of chloroform in the upper part of HSU-2 in this area compared to 1995 results suggests that the initial DDC pilot test system has significantly reduced the mass transfer of chloroform from HSU-1 to HSU-2.

0.2 Remedial Investigation Water Monitoring

In the 2001 Annual Water Monitoring Report (URS, 2002), UC Davis recommended several changes to the overall water monitoring program which were approved by the USEPA during the

July 2002 RPM meeting. Those changes to the groundwater monitoring program were implemented in August 2002.

0.2.1 Remedial Investigation Ground Water Monitoring

From January to July 2002, 24 wells were sampled quarterly with 6 additional wells sampled annually in Spring when groundwater levels are typically higher. Of the 30 wells used in this program, 7 are completed within HSU-1, 18 are completed within HSU-2, and 5 are completed within HSU-4. Groundwater levels are collected monthly from 46 wells at the Site including the IRA extraction well EW2-1 and injection well IW2-1. In December 2002, the four newly installed wells for the DDC system were added to the monthly groundwater level program. Groundwater elevations were used to calculate gradients and estimate groundwater flow conditions. Samples collected in the four new wells were submitted for analyses of the six constituents of concern (COCs); volatile organic compounds (VOCs), chromium, nitrate, total dissolved solids (TDS), carbon-14, and tritium.

From August 2002 through December 2002, RI groundwater monitoring followed the requirements presented in Section 6.3 of the 2001 Annual Water Monitoring Report (URS, 2002). Semiannual and annual samples are submitted for analyses of the six COCs; VOCs, chromium, nitrate, TDS, carbon-14, and tritium. More frequent samples are collected from wells monitored for the LTPS including UCD1-18, UCD1-11, UCD1-25, and UCD1-27 Z1 through Z3 and UCD1-28.

The primary VOC detected in groundwater samples during 2002 is chloroform. Chloroform was detected in 24 of the 31 wells monitored from the various groundwater monitoring programs ranging in concentration from 0.29 μg/L (UCD2-46) to 3,130 μg/L (UCD1-50). Higher concentrations of VOCs were reported in the VOC source area wells sampled as part of the expanded DDC pilot test system. In addition to chloroform, fifteen other VOCs were reported at concentrations above the CRDL during 2002, including acetone, benzene, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,2-dichoroethane (1,2-DCA), 1,2-dichloropropane (1,2-DCP), ethylbenzene, chloromethane, methylene chloride, tetrachloroethene (PCE), toluene, trichloroethylene (TCE), 1,1,2-trichloroethane (1,1,2-TCA), styrene, and methyl ethyl ketone (MEK).

0.2.2 Surface Water and Stormwater Monitoring

Surface water was collected from three locations on November 12, 2002. Analytical results for surface water collected indicated the following:

- VOCs, total chromium, tritium, and carbon-14 were not reported above the CRDL in any surface water samples.
- Results for TDS were below historical averages, and nitrate was slightly higher than the historical average.

Stormwater was collected from one location on November 9, 2002. All stormwater sampling locations were observed during numerous storms throughout the winter and fall rainy season however LF-01 and LS-1 were the only locations that produced a discharge during these events. LF-1 was sampled by UC Davis and LS-1 was sampled by the DOE. Analytical results for stormwater during the fall of 2002 indicated the following:

LF-01 (UCD Testing):

- Acetone was detected in the sample collected on November 12, 2002 (5.8 μg/L) just above the CRDL of 5 μg/L.
- Concentrations of total chromium, nitrate, and TDS collected in the fall were within historical ranges and neither tritium nor carbon-14 was detected above CRDLs.

In LS-1 testing, (DOD November 8 and 9, 2003 Testing):

- Chloroform was detected at 0.48 μg/L
- Acetone was detected at 12.2 μg/L.
- 1,1,-DCE was detected at 0.44 μg/L.
- Toluene was detected at 0.59 μg/L.
- Concentrations of total chromium, nitrate, and TDS were within historical ranges and neither tritium nor carbon-14 was detected above CRDLs.

Since the only way the site could affect surface water is via storm water discharges, the storm water and surface water sampling events have been linked in the water monitoring plan since 1998. The surface water samples are collected the same day or as soon as possible after a storm water sampling event. In 2002, since there was only one storm water discharge event that was sampled, only one set of surface water samples were collected.

0.3 Groundwater IRA Treatment System

The groundwater IRA is designed to reduce the offsite migration of volatile organic compounds (VOCs), primarily chloroform, in the interim prior to institution of final remedial actions. The IRA operated 85 percent of the time in 2002. The system was down due to routine maintenance, reduction in injection well capacity, and injection well rehabilitation performed in January.

The LTPS system completed in 2001 was started up during 2002. The LTPS system began full-scale operation in July 2002 and the pastures were seeded on July 17, 2002. During application, monthly irrigation volume ranged from 17,168 gallons per month (0.3 gpm) to 890,655 gallons per month (20.6 gpm) from July to December, with the maximum irrigation taking place in July.

Mass removal of chloroform during 2002 amounted to 9.6 pounds an increase of 88 percent from the mass removal achieved during 2001. Chloroform was reported exceeding the discharge standard (0.5 monthly average and 1.0 daily maximum) on June 6, 2002 (2.9) and July 10, 2002 (3.2). The air stripper intake duct was found to be blocked in July 2002. After the air intake was cleared and the effluent re-sampled on July 19, 2002 chloroform was not detected (<0.5). A detailed Operations

and Maintenance Manual was prepared by Montgomery Watson Harza (MWH) that included inspection of the air stripper intake to prevent future occurrences. Concentrations of TDS and Nitrate in the effluent slightly exceeded the discharge standard for injection from January to August for TDS, and during January and February for Nitrate.

The IRA extraction rates during 2002 were lower when compared to 1998 through 2000. The Berryessa Mixing System has proven effective in reducing effluent concentrations of TDS and nitrate when operational. However, because the system cannot be used when upstream users are drawing water off line for irrigation, and the fact that the system most likely has contributed to biofouling of the injection well screen, the system is not considered to be a reliable solution to achieve compliance with discharge requirements.

0.4 Assessment of Water Monitoring Programs and Recommendations

Assessment and recommendations for the monitoring programs are made with respect to satisfaction of the goals of the water monitoring programs.

0.4.1 Expanded DDC System Monitoring

The primary objectives of the DDC monitoring program are to reduce the mass of chloroform in the source area and to prevent the downward migration of chloroform from hydrostratigraphic unit (HSU)-1 to the underlying more permeable HSU-2. The current DDC program will be evaluated in the System Summary Report that will be prepared after one year of operation of the expanded phase system. However, preliminary data suggests that the system is meeting the stated objectives.

0.4.2 Combined IRA and Water Monitoring Programs

The primary objective of groundwater monitoring is to assess if unexpected changes to the system occur that warrant additional monitoring. The current monitoring program accomplishes this goal.

Based on the information presented in this 2002 Comprehensive Annual Water Monitoring Report, no changes to the IRA and Water Monitoring are recommended for 2003. However, Based on information suggesting that the expanded DDC system may be reducing the mass of chloroform reaching the area of the IRA extraction system, it is recommended that groundwater samples be collected on a quarterly basis from UCD2-29 and submitted for analysis of VOCs. This well is currently sampled on a semi-annual basis. As in the past, additional monitoring data will be collected during the year based on the changing needs of the overall project, as warranted.

0.4.3 IRA Monitoring Program

IRA

The IRA utilizes both injection and irrigation for discharge of treated groundwater. The system has operated at lower extraction rates in 2001 and 2002. This lower rate is capable of capturing the chloroform plume while reducing the amount of water required by the Berryessa mixing system and apparently lowering the TDS and nitrate concentrations.

LTPS

The LTPS system provides a promising opportunity for management of the high TDS and nitrate in the effluent stream from the IRA. There are no trends that can be developed from the groundwater beneath the LTPS, as sampling has been conducted during one event.

0.4.4 Data Validation

Based on requests to produce the routine monitoring data in a more timely manner, the overall program was reviewed to assess potential changes to provide this timely reporting. Based on the review, it is recommended that the data validation process be modified for groundwater samples collected for the on-going programs. The current validation program developed for these programs was started in 1994. Since that time, an extensive data set has been developed for the six COCs within each of the monitoring wells and other sampling points for these programs. It is recommended that the data validation process for these reports outlined in the QAPP be modified to a more streamlined data verification process. This type of streamlined approach can be automated as part of the data entry process resulting in more timely reporting of the results to the RPMs.

0.4.5 Reporting

Current reporting for the monitoring program includes quarterly and annual reports. There are no proposed changes to the reporting format. The reports include:

Quarterly reports for all of the programs described in this section. The updates include an assessment of the progress of each system, summary of unexpected changes, and additional data collected if any, that was not included in the programs. Monthly data collected during the quarter is also included in this report.

Annual Report will include a detailed assessment of each monitoring program and will include a summary of changes to the programs and recommendations for future monitoring. The assessments will include detailed analysis of historical monitoring, including graphical and statistical

analysis. The 2003 Comprehensive Annual Water Monitoring Report will be submitted to the EPA by April 1, 2004.

0.5 Site Information Sources

For more information about the Site restoration program, you may contact:

Brian Oatman - UC Davis Project Manager	(530) 752-6041
Jay Tomlin - DOE Project Manager	(530) 637-1637

Documents relating to the Site investigation and restoration may be found at the following location:

Yolo County Public Library, Davis Branch
Reference Desk
Davis, California
(530) 756-2332

Additional information is also available on the Internet at:
http://ehs.ucdavis.edu/enviro/lehr.html

SECTION 1
INTRODUCTION

This report presents the results for the 2002 water monitoring programs conducted at the former Laboratory for Energy-related Health Research facility and South Campus Disposal Site (LEHR/SCDS) (Site). The Site is located at the University of California, Davis (UC Davis) campus (Figure 1). Water Monitoring has been conducted at the site under various programs as described in previous Water Monitoring Reports that have been prepared since 1993. The most recent programs as described in the 2001 Annual Water Monitoring Report (URS, 2002), included monitoring of the following:

- A groundwater treatment system installed as an Interim Remedial Action (IRA) at the site in March 1998 to minimize the offsite migration of volatile organic compounds (VOCs), primarily chloroform. Monitoring for this program followed the requirements listed in the Waste Discharge Requirements (WDRs; RWQCB, 1997) and later in the Addendum to Statement of Work for Removal Actions and Mitigation/Repair (SOW), by the United States Environmental Protection Agency (USEPA, June 2000).

- An overall water monitoring program conducted as part of the Remedial Investigation/Feasibility Study (RI/FS) for the Site that followed the requirements issued in the USEPA's (1999) AOC No. 99-16.

During 2001, two additional water monitoring programs were initiated for a land treatment pilot study (LTPS) and a density-driven convection (DDC) system pilot test. The LTPS was installed to address exceedence of waste discharge requirements for the groundwater IRA. Monitoring for this program is detailed in the LTPS Work Plan (Montgomery Watson, 2000) and follows the requirements issued in the USEPA's SOW (USEPA, 2000). The DDC pilot system was installed to assess the effectiveness of this technology in removing the source of VOCs, primarily chloroform, in the shallow groundwater at the Site. A detailed discussion of the monitoring program for this system is presented in the Work Plan for the expansion of the DDC system (Brown and Caldwell, 2002). Sampling and analytical procedures for all elements are performed in accordance with the Final Revised Field Sampling Plan (FSP) (Dames & Moore, 1998a) and the Final Revised Quality Assurance Project Plan (QAPP) (Dames & Moore, 1998b).

In the 2001 Annual Water Monitoring Report (URS, 2002), UC Davis recommended several changes to the overall water monitoring program which were approved by the USEPA during the July 2002 remedial project manager (RPM) meeting. Based on the data and assessments presented in the 2001 Annual Water Monitoring Report, three programs were identified for continued monitoring:

1. The expanded DDC pilot test system;
2. The LTPS; and
3. A combined program for the IRA and Water Monitoring Programs.

The last sampling round conducted following the previous monitoring programs was performed with the July 2002 monthly water sampling round. As such, this 2002 Comprehensive Annual Water Monitoring Report is intended to meet the requirements of the monitoring programs outlined in the 1999 Administrative Order on Consent (AOC) as modified by the SOW, with additional modifications as presented in the Final 2001 Annual Water Monitoring Report for sampling conducted after July 2002.

1.1 Project Overview

The Site is located in Solano County, California, approximately 1.5 miles south of the main UC Davis campus and the City of Davis (Figure 1). The Site encompasses approximately 15 acres and is bounded by UC Davis research and agricultural facilities, private farmland, and the South Fork of Putah Creek. The Site includes active research facilities and offices. It also includes former landfills, subsurface disposal areas, and waste treatment systems, where there have been releases of hazardous substances, and which are the focus of the investigative and remediation programs.

Responsibility for investigation and remediation of the Site is divided between the US Department of Energy (US DOE) and UC Davis by investigation area (Figure 2). As documented in the Memorandum of Agreement (MOA), UC Davis has taken the lead role in groundwater investigation and remediation. UC Davis operates and monitors the Groundwater IRA-treatment system, which began full-scale operation on May 11, 1998. UC Davis is also responsible for the quarterly-groundwater monitoring and seasonal assessment of surface water and storm water being conducted as part of the remedial investigation for the Site. As discussed in the SOW, there are six primary groundwater constituents of concern (COCs) for the Site: VOCs primarily chloroform; hexavalent chromium; nitrate; total-dissolved solids (TDS); and the radionuclides tritium and carbon-14.

1.2 Purpose and Objectives

The purpose of this 2002 Comprehensive Annual Water Monitoring Report is to present a detailed assessment of the three monitoring programs identified above including a summary of changes to the programs, if any, and recommendations for future monitoring. The goals for monitoring of each of these programs were outlined in the 2001 Annual Water Monitoring Report. The monitoring system developed for the combined IRA and Water Monitoring Programs was designed to assess the following:

- Is the IRA system continuing to minimize the offsite migration of VOCs?
- During injection, does injected water comply with stated WDRs?
- Have unexpected changes in Site groundwater, surface water, or stormwater occurred that warrant changes to the program?

The primary objectives of monitoring for the LTPS are to assess compliance with WDRs outlined in amended AOC Order No. 99-16 and to assess potential impacts to the underlying shallow groundwater system. The objectives of monitoring for the expanded DDC pilot system are to

assess: the mass removal of chloroform, limits of the circulation cell developed by the DDC wells, and the affects of the system on the mass transfer of chloroform from the shallow groundwater to deeper units.

1.3 Organization of Report

This report is organized as follows:

- Section 0.0 of this report is the Executive Summary.
- Section 1.0 is the Introduction, including a project overview and descriptions of the purposes and approach to the 2002 Annual Report.
- Section 2.0 presents the hydrogeological setting of the Site.
- Section 3.0 provides a discussion of treatment systems and water monitoring programs conducted during 2002.
- Section 4.0 contains a presentation of the results of monitoring during 2002.
- Section 5.0 includes a discussion of the results and assessment of the monitoring programs.
- Section 6.0 provides recommendations for monitoring during 2003.
- Section 7.0 includes references.

SECTION 2
HYDROGEOLOGY

The hydrogeology in the vicinity of the LEHR Site was updated in the 2001 Annual Water Monitoring Report (URS, 2002) and included information from recently completed monitoring activities as well as previous site data. Since submittal of this document, only minor activities have been completed to further assess the hydrogeology. These activities include a further assessment of hydraulic parameters for the IRA extraction system and lithologic data obtained during the drilling of soil borings for the installation of wells associated with the expanded DDC pilot test system. This section summarizes the hydrogeology at the LEHR site including the new information obtained from these activities. In addition, gradient and groundwater flow conditions from 2002 are discussed in Section 4.3.

2.1 Regional Setting

The LEHR Site and surrounding area are located on the geomorphic unit termed "low-alluvial plains and fans" (California Department of Water Resources (DWR), 1978), specifically the Putah Plain. This surface represents distal portions of alluvial fan deposits associated with Putah Creek that are referred to as the Putah Creek Fan (Mann, 1992). Sediments that form these alluvial fan deposits consist primarily of silts and clays with coarse-grained sediments occurring locally. The Putah Creek Fan was formed by a creek that changed course many times throughout this area. The sands and gravels were deposited during high velocity flows at times of floods. Outside the ribbon-like strips of coarse channel deposits, lower velocity waters deposited silts and clays. The age of these deposits range from late Pleistocene to Recent. The thickness of the alluvial fan deposits is reported to be between 140 feet (Mann, 1992) and 180 feet (DWR, 1978).

Underlying the Putah Creek Fan is the Plio-Pleistocene Tehama Formation that was eroded prior to the deposition of the overlying alluvial material (Mann, 1992). The Tehama Formation consists of fine-grained sands and silts with discontinuous lenses of coarse sand and gravels. This unit is thought to be coeval with the Laguna Formation located on the east-side of the Sacramento Valley.

2.2 Site Stratigraphy

The subsurface stratigraphy for the LEHR Site is described from the geologic well logs, cone penetrometer test (CPT) logs, and the transient electromagnetic (TEM) survey performed at the Site in 1995 (Dames & Moore, 1995). Copies of the geologic boring and CPT logs have been presented in several reports, most of which are in the Phase II Site Investigation Report (Dames & Moore, 1993). The maximum depth penetrated during the drilling of soil borings is 265 feet below mean sea level (310 feet below ground surface) in the soil boring drilled for monitoring well UCD4-33. The maximum depth resolved during the TEM survey was approximately 350 feet below mean sea level at several sounding points.

Figure 3 represents a hydrostratigraphic cross section constructed using the geologic well logs and TEM sounding points and includes the geologic well log information from the newly installed HSU-2 well, UCD2-48. As seen on the cross sections, the stratigraphic data collected during recent investigations supports the hydrogeologic model developed in previous reports. A summary of the stratigraphy is presented in the following paragraphs.

Both the Putah Creek Fan and Tehama Formations were observed within soil borings and the TEM points completed at the Site. Table 1 summarizes the thickness of these units (as well as designated hydrostratigraphic units, see Section 2.3) as observed during drilling and completion of the TEM survey. The surface unit identified at all soil boring and TEM points is the Putah Creek Fan. Thirteen soil borings and 35 TEM points fully penetrated this unit. At these locations, the Putah Creek Fan ranges in thickness from 67 feet (TEM-17) to 205 feet (TEM-29) and is composed of two units:

- an upper unit consisting of interbedded silts, clays, fine sands, and some coarse sand and gravel deposits; and,
- a lower unit consisting predominantly of coarse sands and gravels.

Where fully penetrated, the upper unit ranged in thickness from 47 feet (TEM-17) to 124 feet (TEM-29) and the lower unit ranged in thickness from 20 feet (UCD4-47, TEM-14, TEM-17) to 81 feet (TEM-29).

Directly underlying the Putah Creek Fan is the Tehama Formation. As shown on the hydrostratigraphic cross sections (Figure 3), the depth to the contact between these two formations varies across the site (see Table 1) consistent with the erosion of the Tehama formation from stream channels during the depositional period of the Putah Creek Fan.

The Tehama Formation was only partially penetrated by 13 soil borings and 35 TEM points. Depth of penetration ranged from 0.5 feet (UCD2-40) to 279 feet (TEM-17). The maximum depth observed during drilling of soil borings was 196 feet for the soil boring completed at UCD4-33. Three units were recognized within the Tehama Formation:

- an upper unit consisting of clays and silts with some small lenses of sand and gravel;
- an intermediate unit consisting of sands and gravel with silt and clay; and
- a lower unit consisting of clay and silt.

Where fully penetrated, the upper unit ranges in thickness from 47 feet (TEM-21) to 236 feet (TEM-17) and the intermediate unit ranges in thickness from 27 feet (UCD4-41) to 106 feet (TEM-18). Of the five soil borings that penetrated these two units, the upper unit ranges in thickness from 119 feet (UCD4-44) to 147 feet (UCD4-41) and the intermediate unit ranges in thickness from 27 feet (UCD4-41) to greater than 52 feet (UCD4-33). The lower unit has only been partially penetrated ranging in depth from 5 feet (UCD4-47) to 49 feet (TEM-25).

2.3 Site Hydrogeology

Five hydrostratigraphic units have been defined at the Site based on drilling and geophysical surveys completed since 1987. In descending order, the units are HSU-1, HSU-2, HSU-3, HSU-4, and an unnamed aquitard. For the purposes of this report, HSU-1 includes the unsaturated material (vadose zone) from the surface to first encountered groundwater.

Figure 3 represents a generalized hydrostratigraphic cross section. As seen on this figure, HSU-1 and HSU-2 form the upper and lower units, respectively, of the Putah Creek Fan and HSU-3, HSU-4, and the unnamed aquitard form the upper, intermediate, and lower units, respectively, of the Tehama Formation. Sub-units within each of these units were distinguished based on relative permeabilities. These sub-units, from lower to higher permeabilities, are as follows:

- clayey silts to silty clays;
- silt with some sand and clay;
- fine grained silty sand;
- fine to coarse grained sand; and
- coarse grained sandy gravel.

As shown on the cross sections, HSU-2 and HSU-4 are composed of the coarser gravel deposits and represent aquifers that are used as a source of water in the vicinity of the LEHR site. As reported by Mann (1992), the lower unit of the Putah Creek Fan (HSU-2) is very permeable whereby wells completed in this unit have high specific capacities. The average hydraulic conductivity (K) value calculated for this unit from the constant rate pumping test conducted prior to startup of the IRA (Dames & Moore, 1997) is 1.2×10^{-2} feet per second (ft/s), consistent with a coarse sand to gravel unit. Mann (1992) also reported that wells in the area completed within the gravel unit of the Tehama Formation (HSU-4) have lower specific capacities than those completed within HSU-2.

In contrast with the HSU-2 and HSU-4 coarse material, HSU-1, HSU-3, and the unnamed aquitard are composed predominantly of fined grained silts and clays. Several wells have been completed within HSU-1, all of which indicate low permeabilities as demonstrated by low flow rates during purging. The results of a constant rate pumping test within this unit (Dames & Moore, 1999) calculated a K value between 3.25×10^{-5} ft/s to 3.81×10^{-5} ft/s. These K values are consistent with a silt to sandy silt unit. Using these K values, the average gradient value for HSU-1 (0.006 feet/feet) and assuming an effective porosity of 0.25, the average seepage velocity for HSU-1 ranges from 0.078 feet per day (28 feet per year) to 0.091 feet per day (33 feet per year).

HSU-3 directly underlies HSU-2 and represents a thick sequence of silts and clays within the Tehama Formation separating the HSU-2 aquifer from the HSU-4 aquifer. Samples of these materials collected during the drilling of soil borings at the Site indicated that the moisture content of these materials was lower than the plastic limit. This condition supports a very low permeability of this unit and strongly suggests that HSU-2 and HSU-4 are not hydraulically connected. It is also important to emphasize that the contact between HSU-2 and HSU-3 is an erosional contact between the Putah Creek Fan and Tehama Formation. As such, the gravel unit of HSU-2 does not

interfinger with units of the underlying HSU-3 material that, if present, could create potential migration pathways. Although HSU-3 does contain small zones of sand and gravel, as shown on Figure 3, these materials are highly localized and discontinuous. The lack of hydraulic connection between HSU-2 and HSU-4 is discussed in Section 4.4.2. As seen in this figure, the response to pumping within the HSU-4 well is significantly different than the response in the HSU-2 well. A more detailed discussion of vertical gradients is presented in Section 4.4.2. The clays and silt of the unnamed aquitard below HSU-4 is similar in appearance to those in HSU-3.

SECTION 3
YEAR 2002 WATER MONITORING PROGRAMS

This section describes monitoring activities conducted during 2002. As discussed in Section 1.0, in the 2001 Annual Water Monitoring Report (URS, 2002), UC Davis recommended several changes to the overall water monitoring program which were approved by the USEPA during the July 2002 RPM meeting. Three programs were identified for continued monitoring:

1. The expanded DDC pilot test system;
2. The LTPS; and
3. A combined program for the IRA and Water Monitoring Programs.

However, these changes were not approved by the USEPA until July 2002 and, as such, monitoring during 2002 followed both the previous and new programs. Because of this combination of monitoring programs, the format of this section has separated the discussion for the IRA and Water Monitoring programs that were combined starting in August 2002. Table 2 lists the analytical parameters and associated methods used for all groundwater monitoring. Results of the 2002 monitoring programs are provided in Section 4.0.

Groundwater samples were shipped by overnight delivery to General Engineering Laboratories (GEL) in Charleston, South Carolina. Immediately upon receipt of the sample shipment, the laboratory documented the condition of the sample containers on the chain-of-custody forms and acknowledged receipt by faxing a copy of the chain-of-custody form to the task manager.

3.1 Expanded DDC Pilot Test Program

A detailed discussion of the proposed monitoring program for the expanded phase of the DDC pilot test is presented in the USEPA approved January 31, 2002 Work Plan prepared by Brown and Caldwell. A summary of this program is presented in Table 3. The monitoring program developed for this system is designed to assess the following:

- Does the expanded pilot test system maximize the mass removal of chloroform from the source area in HSU-1?
- What are the limits of the circulation cell developed by each well individually and in combination?
- How does the system affect the mass transfer of chloroform from HSU-1 to the underlying more permeable HSU-2?

Prior to construction of the expanded system, the DDC system consisted of one DDC well (DDC-1), five nested piezometers consisting of three wells each (TP-1A, B, and C through TP-5A, B, and C) and existing HSU-1 monitoring well UCD1-12. The expanded system was installed between August and December 2002 and included the installation of five new DDC wells (DDC-2 through DDC-6), three new HSU-1 wells (UCD1-49 through UCD1-51) and one new HSU-2 well

(UCD2-48). The well construction and geologic well logs for the newly installed wells were presented in the Quarterly Water Monitoring Report for Summer 2002 (URS, 2003). Table 4 presents well construction details and Figure 4 shows the location of the monitoring points for the DDC expanded pilot test system.

The monitoring program for the expanded system includes collection and analyses of water samples as follows:

- Baseline sampling round prior to startup of the expanded system;
- Weekly from week 1 to week 4 after startup of the expanded system;
- Monthly sampling from month 2 to month 4 after startup of the expanded system; and
- Quarterly sampling thereafter for one year.

The existing five nested piezometers (TP-1A, B, and C through TP-5A, B, and C) are scheduled for sampling only during the baseline and quarterly sampling rounds. The expanded system began operation on December 5, 2002. The baseline sampling round was conducted between November 15, 2002 and November 18, 2002. Also collected during the 2002 calendar year were the 4 weekly sampling events described above to be conducted after startup of the system. Groundwater samples collected during each of these rounds were submitted for analyses of VOCs. Prior to purging each well for sampling, a dissolved oxygen reading was collected from each well using a down-hole field instrument. Field measurements during purging of the wells included pH, temperature, electrical conductivity, and oxidation potential (Eh).

From January 2002 to September 2002, the initial DDC pilot test system continued operation. During this time period, two additional sampling rounds were conducted on February 23, 2002 and May 16, 2002 to assess the operation of this system. Samples were collected from the DDC well, UCD1-12 and each of the saturated piezometers from TP-1 through TP-5 (A-zone piezometers were not saturated during these rounds) and submitted for analyses of VOCs.

3.2 Remedial Investigation Water Monitoring Program

This section describes monitoring activities conducted in 2002 related to remedial investigation activities. These programs include groundwater, surface water, and stormwater.

3.2.1 Remedial Investigation Groundwater Monitoring

The RPMs approved the proposed changes to the Groundwater Monitoring program specified in the 2001 Annual Water Monitoring Report (URS, 2001) in an RPM meeting in July 2002. Those changes to the groundwater monitoring program were implemented in August 2002. From January to July 2002, 24 wells were sampled quarterly with 6 additional wells sampled annually in Spring when groundwater levels are typically higher. Table 4 presents monitoring well construction details and Figure 4 shows the well locations. Of the 30 wells used in this program, 7 are completed within HSU-1, 18 are completed within HSU-2, and 5 are completed within HSU-4. Groundwater levels

are collected monthly from 46 wells at the Site including the IRA extraction well EW2-1 and injection well IW2-1. In December 2002, the four newly installed wells for the DDC system were added to the monthly groundwater level program. Groundwater elevations were used to calculate gradients and estimate groundwater flow conditions. Samples collected from the four new wells were submitted for analyses of the six COCs; VOCs, chromium, nitrate, TDS, carbon-14, and tritium.

From August 2002 through December 2002, RI groundwater monitoring followed the requirements presented in Section 6.3 of the 2001 Annual Water Monitoring Report (URS, 2002). Table 5 shows the 2002 Monitoring Program.

The specific objective of groundwater monitoring for the RI is to assess if unexpected changes in groundwater occurred that warrant changes to the program. Of the 34 monitoring wells used for RI monitoring, 28 wells are sampled semiannually and six wells are sampled annually. Table 6 presents the current monitoring program with the changes approved by the RPMs in July 2002. Semiannual and annual samples are submitted for analyses of the six COCs; VOCs, chromium, nitrate, TDS, carbon-14, and tritium as shown in Table 6. More frequent samples are collected from wells UCD1-18, UCD1-11, UCD1-25, and UCD1-27 Z1 through Z3 and UCD1-28 to monitor groundwater upgradient and under the LTPS, as shown in Table 7.

3.2.2 Stormwater Monitoring

The 2002 stormwater monitoring program consisted of collecting samples from three locations designated LF-1, LF-3, and LS-1 (latter point monitored by DOE). Figure 5 shows the locations of these sampling points and Table 5 presents the specific analytes tested from each location. The three sampling locations represent different portions of the site and drain areas of varying sizes and surface conditions. For example, most of the area that drains to LS-1 is paved with asphalt, while LF-1 and LF-3 represent dirt areas. Thus, a discharge can occur at each site at different times in the rainy season or during different storm events. Between January and May 2002, UC Davis observed conditions at LF-1 and LF-3 on at least 11 different days during storm events. On each of these occasions, there was no discharge from LF-1 or LF-3, so no samples were collected. A sample was collected from LF-1 in November 2002, however, there was no discharge from LF-3. The discharge location at LF-3 drains a much smaller area than LF-1 and observations over time have shown that under most storm conditions, rainfall in this area tends to infiltrate into the soil rather than produce a discharge. On November 8 and 9, 2002, DOE collected samples at LS-1.

In August 2002, the LF-3 sampling location changed to the east-west drainage ditch pipe outfall to the north-south drainage ditch bisecting Landfill Disposal Unit 3 (Figure 5). This change in location was recommended in the 2001 Annual Water Monitoring Report (URS, 2002) and approved by the USEPA in July 2002.

3.2.3 Surface Water Monitoring

The 2002 surface water monitoring program consisted of collecting samples from three locations along the South Fork of Putah Creek which runs west to east just south of the Site. These locations are shown on Figure 5 and are designated PCU, PCD, and STPO. In 1998 the surface water monitoring program was changed to semi annual monitoring for both stormwater and surface water. Since the only way the site could affect surface water is through discharge of stormwater, the semi annual sampling events for storm and surface water were tied together. The program is intended to collect surface water samples on the same day or as soon as possible after storm water samples, to assess the affects of the same precipitation event. In 2002, since there was only one storm water discharge event that was sampled (in November), there was also only one surface water sampling event. Table 5 presents the specific analytes tested for each surface water location.

3.3 IRA Monitoring Program

As outlined in the 2001 Annual Water Monitoring Report, the IRA monitoring program for 2002 consisted of assessing treatment system operations and performance of the LTPS installed to comply with discharge requirements for the IRA system. A description of each of these programs for 2002 is provided in the following sections.

3.3.1 IRA Monitoring

The IRA treatment system monitoring program is designed to confirm compliance with effluent discharge standards for both injection and irrigation. During 2002, samples were collected monthly from the treatment plant influent and effluent and analyzed for the six primary COCs.

3.3.2 LTPS Monitoring

The primary objectives of monitoring for the LTPS are to confirm compliance with effluent discharge requirements for irrigation outlined in amended AOC Order No. 99-16 and to assess potential impacts to the underlying shallow groundwater system. The monitoring program for this system includes collection of samples from the IRA effluent for metals and general chemicals in addition to groundwater samples from UCD1-18, UCD1-11, UCD1-25, and UCD1-27 Z1 through Z3 and UCD1-28. The HSU-1 wells are located directly below the LTPS. UCD1-18 has groundwater samples collected as a background location. HSU-2 wells in the LTPS area are monitored semiannually as part of the combined IRA and Water Monitoring programs, as described in Section 3.2.

SECTION 4
RESULTS

This section presents the analytical results of sampling and operational data collected for the 2002 water monitoring programs discussed in Section 3.0. Complete tables of the analytical data collected during 2002 are provided in Appendix A and Appendix B. Appendix A includes results for the IRA Treatment System monitoring and Appendix B includes the combined groundwater data from each of the programs, the DDC system, surface water, and stormwater data. The analytical laboratory reports are maintained in the project files.

The format of this section has been developed to be consistent with the various programs conducted at the site. Section 4.1 presents a discussion of data validation. Section 4.2 presents the results of groundwater data collected in 2002 for the Expanded DDC pilot test system. Section 4.3 discusses IRA treatment system results including results associated with the LTPS monitoring program. A summary of groundwater elevation data results including calculated gradients and groundwater flow directions are presented in Section 4.4. Section 4.5 discusses the results of the combined groundwater RI and IRA monitoring programs. Surface water and stormwater results are discussed in Sections 4.6 and 4.7.

4.1 Data Validation

All data during 2002 were validated in accordance with the QAPP. The data validation report is maintained in the project file. The results of this validation indicate that the data is valid for its intended purposes.

4.2 Expanded DDC Pilot Test program

As discussed in Section 3.1, the expanded DDC pilot test program began operation on December 5, 2002. During 2002, 5 sampling rounds were conducted for this system, the baseline sampling round and the 4 weekly sampling rounds. In addition, two sampling rounds were collected earlier in 2002 to further assess the operation of the initial phase DDC system.

A detailed discussion of these results will be presented in the System Summary Report that will be prepared after one year of operation of the expanded phase system. However, as discussed in Section 5.1, the initial results combined with data from the overall water monitoring program suggest that the system is operating as intended and has significantly reduced the mass of chloroform reaching the HSU-2 aquifer. A summary of the chloroform results for each of the sampling rounds is presented in Table 8.

4.3 IRA Treatment System Operations

This section summarizes the groundwater IRA system operation in 2002, IRA influent and effluent water quality monitoring results, LTPS operations, and LTPS irrigation water monitoring.

4.3.1 IRA Operations

The IRA utilizes both injection and irrigation for discharge of treated groundwater. The Berryessa Mixing system was used intermittently throughout the year to reduce TDS and nitrate concentrations in effluent prior to injection. A summary of the results of this testing for the IRA, LTPS, Berryessa Mixing system is presented in Table 9. The detailed monthly IRA operations log is provided in Appendix C.

Throughout 2002, the IRA operated 85 percent of the time. The following events contributed to system downtime during the year and are documented in detail within the monthly and quarterly reports issued during 2002:

- Reduction in injection well capacity. When injection capacity decreases, water level within the well rises, triggering an alarm and plant shutdown. After each of these occurrences, the IRA system is manually restarted and the extraction rate adjusted, if necessary.
- Routine system maintenance, including acid washing the air stripper and replacing bag filters.
- Injection well rehabilitation performed in January 2002.
- Installation, startup, and testing of the LTPS system initiated in June and completed in July 2002.

The most significant operational issue for the IRA during 2002 was the decreasing injection well capacity observed in the summer and fall of 2002. The reduced injection well capacity appears to be caused by mineral precipitation and microbial growth on the well screen and possibly in the sand pack surrounding the well that clogs pore space and well screen openings. Biological growth in the IRA effluent may have been accelerated by the use of Berryessa water, which has been tested, and contains bacteria and algae.

The injection well was rehabilitated in December 2000, again in January 2002, and recently in March 2003 to remove scale and biological growth primarily from the interior of the injection well. During well rehabilitation, the injection well is surged, swabbed (well interior is mechanically scrubbed) and acid is added to the well. After a period of 24 hours, the injection well is pumped to remove the acid.

In Spring 2001, the first well rehabilitation (completed December 2000) appeared to increase injection capacity to approximately 200 gallons per minute (gpm). This rehabilitation was conducted prior to installation of the Berryessa mixing system. In Spring 2002 after installation of the Berryessa mixing system, the second well rehabilitation (completed January 2002) was less effective and appeared to improve injection well capacity to approximately 100 gpm in January and continued to increase to 150 gpm in March 2002. Injection well capacity in April 2002 steadily declined to less than 100 gpm by December 2002.

As discussed earlier, the decline in the injection well capacity is likely to be caused by a combination of carbonate mineral scale and biological growth observed in the well screen during the injection well rehabilitation work. To improve the performance of the injection well, this well was rehabilitated in March 2003.

4.3.2 IRA Influent/Effluent Monitoring

This section presents the results of influent and effluent monitoring of the IRA system, including a discussion of chloroform mass removal and compliance with discharge requirements.

Chloroform Mass Removal. In 2002, the treated groundwater volume and chloroform mass removed by the IRA system exceeded volumes and chloroform mass removal rates for 2001 (Table 10, Figure 6). The total mass of chloroform removed during 2002 was 9.6 pounds, an increase of 88 percent from the mass removal achieved during 2001. This increase is largely due to the fact that system uptime was greater in 2002 than in 2001. The influent chloroform concentration had been fairly constant from 1998 to 2001, but may have declined in 2002 as discussed in Section 5.1 due to operation of the DDC pilot system, which is anticipated to reduce source loading of VOCs to HSU-2. Despite a reduction in the influent concentration, the increased uptime achieved in 2002 resulted in an increase in the total chloroform mass removal in 2002 compared to 2001.

IRA Effluent Compliance with Discharge Requirements for Injection. The IRA influent and effluent analytical monitoring data for 2002 are presented in Appendix A. Effluent discharged via injection met discharge standards during 2002 with the following exceptions as summarized in Table 9:

- **TDS** – Between January and August 2002, the TDS concentration in the effluent slightly exceeded the discharge standard for injection (485 milligrams per liter (mg/L) monthly average and 500 mg/L daily maximum). The maximum concentration detected during this period was 557 mg/L in June 2002.

- **Nitrate** – In January and February 2002, the nitrate concentration in the effluent slightly exceeded the discharge standard for injection (7.7 mg/L monthly average and 20 mg/L daily maximum). The maximum concentration detected during this period was 8.0 mg/L in January 2002.

- **Chloroform** – In June 2002, the air stripper intake duct was blocked by debris, reducing the air flow rate to the stripper and VOC treatment effectiveness. Upon discovery of the problem in July, the air intake was cleared and effective treatment resumed. Chloroform was detected in the effluent at concentrations exceeding the discharge standard (0.5 micrograms per liter (μg/L) monthly average and 1.0 μg/L daily maximum) on June 6, 2002 (2.9 μg/L) and July 10, 2002 (3.2 μg/L). After the air intake was cleared and the effluent re-sampled on July 19, 2002 chloroform was not detected (<0.5 μg/L). To alleviate future occurrences of this type of breakthrough and shutdown of the system, a detailed Operations and

Maintenance Manual was prepared (MWH, 2002) and includes inspections of the air stripper intake duct.

- **Methylene Chloride** – During the period of incomplete treatment described above for chloroform in July 2002, methylene chloride was also detected in the effluent at a concentration (1.3 μg/L) in excess of the discharge standard for injection (0.5 μg/L monthly average and 1.0 μg/L daily maximum). There is no stated irrigation discharge standard for methylene chloride. Methylene chloride often appears as a laboratory contaminant but is also the direct breakdown product of chloroform.

Between September and December 2002, all effluent concentrations remained below discharge limits.

4.3.3 LTPS Operations

The LTPS irrigation system began full-scale operation in July 2002 and the pastures were seeded on July 17, 2002. During July 2002, the overhead sprinkler irrigation system delivered light applications of water every 2 to 4 hours (four to six times per day) to maintain moist surface soil to maximize seed germination. In August and September 2002, irrigation frequency was reduced to three to four times per day. Monthly irrigation volume varied from 17,168 gallons per month (0.3 gpm) to 890,655 gallons per month (20.6 gpm) from July 2002 to December 2002, with the maximum irrigation rate taking place in July 2002. Based on the size of the pastures, this application rate is equivalent to approximately 3 inches per week in July 2002, 2 inches per week in August 2002, and 1 inch per week in September 2002. When the pasture is fully established, the pasture will require approximately 2 inches per week during the summer.

4.3.4 LTPS Irrigation Water Monitoring

As noted above, the LTPS system was brought online in July 2002. Results of the LTPS effluent monitoring program are presented in Appendix A. The results presented in Appendix A show that effluent discharges as part of the LTPS irrigation system achieved all effluent standards except for the chloroform in June and July, which exceeded the discharge standard of <0.5 μg/L.

4.4 Groundwater Elevation Results

Groundwater elevations were measured monthly for HSU-1, HSU-2, and HSU-4 wells, and weekly for extraction well EW2-1 and injection well IW2-1. Monthly groundwater elevations for 2002 are presented in Table 11, and quarterly groundwater elevation graphs and contour maps are presented on Figures 7 through 10. In general, groundwater elevations and trends were consistent with historical data.

4.4.1 Horizontal Groundwater Flow and Gradients

Groundwater gradients during 2002 for HSU-1 ranged from 0.00114 to 0.00625 feet/foot, for HSU-2 ranged from 0.00078 to 0.00312 feet/foot, and for HSU-4 ranged from 0.00179 to 0.00417 feet/foot. Gradients were generally the greatest in HSU-1 and the least in HSU-2. Gradients were greatest during the summer and least in the winter for all three HSUs. Groundwater flow was generally to the east-northeast in all three HSUs.

4.4.2 Vertical Groundwater Gradients

Vertical groundwater gradients based on well pairs between HSU-1/HSU-2 and HSU-2/HSU-4 were downward during the agricultural season and slightly upward between HSU-1/HSU-2 and relatively flat for HSU-2/HSU-4 during the rainy season (Figure 7). Figure 7 shows that changes in water levels during the pumping season were distinctly greater between HSU-2 and HSU-4 than between HSU-1 and HSU-2.This distinct difference in response to pumping between the two HSUs, combined with the stratigraphic interpretation presented in Section 2.3, supports the conclusion that the hydrological connection between HSU-2 and HSU-4 is poor to virtually nonexistent. Additional analysis of this connection will be presented in the FS. In June 2002, the difference in water levels between HSU-1 and HSU-2 wells UCD1-13 and UCD2-14 was approximately 1.71 feet (downward gradient of 0.0753 feet/foot), and the water level difference between HSU-2 and HSU-4 wells UCD2-32 and UCD4-42 was approximately 15.07 feet (downward gradient of 0.0921 feet/foot). Vertical groundwater gradients based on well pairs between HSU-1/HSU-2 and HSU-2/HSU-are shown in Table 12. The gradient between HSU-1 and HSU-2 ranged between a downward gradient of 0.0714 and an upward gradient of 0.2116 feet/foot. The gradient between HSU-2 and HSU-4 ranged between a downward gradient of 0.0764 and an upward gradient of 0.1193 feet/foot.

4.5 Groundwater Monitoring Results

This section presents a summary of analytical results of the six primary COCs for groundwater samples collected for the RI and IRA. Groundwater analytical data for 2002 are presented in Appendix B. The yearly average lateral distribution of the six primary COCs for the last four years in HSU-1 and HSU-2 are shown in Figures 11 through 22. Selected time versus concentration graphs for HSU-1 and HSU-2 are presented in Figures 23 through 28, and Figure 29 includes time versus concentration graphs for HSU-4.

4.5.1 Volatile Organic Compounds

Appendix B presents the results of VOCs in groundwater during 2002. As seen on these tables, as with previous monitoring results, the primary VOC detected in groundwater samples during 2002 is chloroform. Chloroform was detected in 24 of the 31 wells monitored from the various groundwater monitoring programs ranging in concentration from 0.29 μg/L (UCD2-46) to 3,130 μg/L (UCD1-50). Higher concentrations of VOCs were reported in the VOC source area wells sampled as part of the expanded DDC pilot test system. In addition to chloroform, fifteen other

VOCs were reported at concentrations above the CRDL during 2002, including acetone, benzene, 1,1-DCA, 1,1-DCE, 1,2-DCE, 1,2-DCP, ethylbenzene, chloromethane, methylene chloride, PCE, toluene, TCE, 1,1,2-TCA, styrene, and MEK.

A summary of VOC results within each of the HSUs is presented in the following paragraphs.

HSU-1 - During the RI and IRA 2002 groundwater monitoring programs, fourteen VOCs were reported above the CRDL in groundwater samples collected from HSU-1 wells: chloroform, 1,1,2-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, 1,2-DCP, acetone, benzene, chloromethane, ethylbenzene, methylene chloride, PCE, toluene, and TCE. Chloroform was detected in eight of the nine HSU-1 wells UCD1-11, UCD1-12, UCD1-13, UCD1-25, UCD1-28, UCD1-49, UCD1-50, and UCD1-51 at concentrations ranging from 0.37 μg/L (UCD1-28 on November 4, 2002) to 3130 μg/L (UCD1-50 on August 28, 2002). Chloroform isoconcentration contours in HSU-1 for 2002 and the three previous years are presented on Figure 11. Benzene (1.6 μg/L), ethylbenzene (31 μg/L), toluene (0.73 μg/L), and xylenes (1 μg/L) were only reported for the sample collected from UCD1-12 on May 28, 2002. 2-Hexanone (0.32 μg/L) and methyl isobutyl ketone (0.27 μg/L) were only reported for the sample collected from UCD1-12 on February 21, 2002. Chloromethane (0.67 μg/L) was only reported for the sample collected from UCD1-18 on November 5, 2002. Chloromethane has not been previously detected in UCD1-18, and the detection in November was reported just above the CRDL of 0.5 μg/L.

HSU-2 – During the RI and IRA 2002 groundwater monitoring programs, ten VOCs were reported above the CRDL in groundwater samples collected from HSU-2 wells: chloroform, 1,1-DCA, 1,2-DCA, 1,2-DCP, ethylbenzene, benzene, MEK, toluene, styrene, and 1,1,2-TCA. Ethylbenzene, benzene, MEK, toluene, styrene, and 1,1,2-TCA were detected in the sample collected from well UCD2-48 in August 2002. This sample was collected immediately after well development in order to confirm the presence of chloroform in the area prior to installation and accrual of costs for the DDC wells. Standard well purging techniques and sampling protocol were not used for this sample. As such, it is believed that the presence of these constituents is the result of improper sampling techniques, as supported by the absence of these constituents within subsequent properly collected samples from this well. Chloroform was detected in twelve of the eighteen HSU-2 wells UCD2-14, UCD2-15, UCD2-26, UCD2-29, UCD2-30, UCD2-31, UCD2-32, UCD2-39, UCD2-40, UCD2-45, UCD2-46, and UCD2-48 at concentrations ranging from 0.29 μg/L (UCD2-46 on February 4, 2002) to 104 μg/L (UCD2-29 on June 4, 2002). Chloroform isoconcentration contours in HSU-2 for 2002 and the three previous years are presented on Figure 17.

HSU-4 - During the RI and IRA 2002 groundwater monitoring programs, chloroform was the only VOC reported above the CRDL in groundwater samples collected from HSU-4 wells. Chloroform was detected in all four HSU-4 wells UCD4-41, UCD4-42, UCD4-43, and UCD4-47 at concentrations ranging from 0.54 μg/L (UCD4-41 on May 7, 2002) to 4.6 μg/L (UCD4-43 on February 6, 2002 and UCD4-47 on August 13, and November 4, 2002).

4.5.2 Chromium, Nitrate, and Total Dissolved Solids

Figures 12 through 14 and 18 through 20 show isoconcentrations for chromium, nitrate, and TDS. Figures 24 through 26 show graphs of these constituents over time in selected wells. As seen on these figures and in Appendix B, the 2002 results for these three constituents are consistent with previous results.

4.5.3 Carbon-14 and Tritium

Carbon-14 and tritium have been detected during historical monitoring activities on Site. In 1999, the Waste Burial Hole Removal Action removed waste buried on the Site that was indicated to be the source of carbon-14 and tritium found in groundwater. At the end of 2001 results for radiological constituents in the HSU-2 (UCD2-14) well downgradient of this source area indicated decreased concentrations.

Carbon-14. Although the distribution of carbon-14 on the Site is similar to that of tritium (particularly in HSU-1), the levels have historically been significantly lower.

HSU-1 - Carbon-14 was detected in three of the nine HSU-1 wells sampled during 2002. These detections are consistent with results from 2001, and ranged from 24.8 +/– 9.57 picoCuries per liter (pCi/L) in UCD1-18 to 951 +/-19.9 pCi/L in UCD1-13. See Figure 15 for carbon-14 isoconcentration contours in HSU-1 for 2002 and the three previous years, and Figure 27 for graphs of carbon-14 over time in selected wells.

HSU-2 – Since Site groundwater monitoring began, carbon-14 has been consistently detected in UCD2-14 (near the Waste Burial Holes), at concentrations averaging 500 pCi/L. During 2002 detections of carbon-14 ranged from 61 pCi/L in November 2002 to a high of 376 pCi/L in August 2002. Only one other well (UCD2-39) in HSU-2 had detections of carbon-14 in 2002. UCD2-39 had one detection just above the CRDL of 20 pCi/L (20.8+/-6.9 pCi/L in January 2002).

HSU-4 – In 2002, carbon-14 was not detected in HSU-4 wells at concentrations above the CRDL.

Tritium. As in previous years, consistent detections of tritium have been reported in only two wells, UCD1-13 and UCD2-14, while low sporadic results have been reported in other Site wells.

HSU-1 – Of the nine HSU-1 wells monitored in 2002, tritium was only detected above the CRDL in UCD2-14. These detections are consistent with results from 2001, and ranged from 10,400 +/– 437 pCi/L in May 2002 to 11,800+/-493 pCi/L in February. See Figure 16 for tritium isoconcentration contours in HSU-1 for 2002 and the three previous years, and Figure 28 for graphs of tritium over time in selected wells.

HSU-2 – Of the eighteen HSU-2 wells monitored in 2002, tritium was only detected above the CDRL in UCD2-14. The results from quarterly samples analyzed for tritium in UCD2-14 ranged from a high of 2950 pCi/L to below detection levels. See Figure 22 for tritium isoconcentration contours in HSU-2 for 2002 and the three previous years. Figure 28 shows a graph of tritium over time in UCD2-14, and reported results appear lower than in 2001.

HSU-4 – In 2002, tritium was not detected in HSU-4 wells at concentrations above the CRDL.

4.6 Surface Water Monitoring

Surface water samples were collected from three monitoring locations (PCU, PCD, and STPO) during 2002 (see Figure 5). Observations of sampling points were made during periods of rain, however there was only sufficient water to collect samples on November 12, 2002, including a duplicate from PCD. All surface water sampling locations were sampled for field parameters, chronic aquatic toxicity, metals, nitrate, pesticides and polychlorinated biphenyl (PCBs), radionuclides, TDS, and VOCs. Of the COCs, only nitrate and TDS were detected above the CRDLs. Nitrate was detected ranging from 0.596 mg/L at PCU to 7.84 mg/L at STPO. TDS was detected ranging from 214 mg/L at PCU to 558 at STPO. The results are presented in Appendix B.

4.7 Stormwater Monitoring

A stormwater sample was collected from one monitoring location (LF-01) during 2002 (see Figure 5). The stormwater sample was collected on November 9, 2002. All stormwater sampling locations were observed during numerous storms throughout the rainy season however LF-01 was the only location sampled by UC Davis which produced a discharge. LF-01 was sampled for field parameters, acute aquatic toxicity, metals, nitrate, oil and grease, pesticides and PCBs, radionuclides, TDS, total organic carbon (TOC), TSS, and VOCs. Of the COCs analyzed LF-01 had detections above the CRDL for acetone, total chromium, nitrate, and TDS. The results are presented in Appendix B. The watershed area that feeds into the new LF-3 sample location contains a large amount of unpaved soil surface, so rain falling on this area infiltrates and only rarely produces sufficient runoff to cause discharge.

No sample on 9th

ND

Stormwater sample location LS-1 was sampled by the DOE contractor on November 8 and 9, 2003. At this location chloroform was detected at 0.48 µg/L, acetone was detected at 12.2 µg/L, and there were low trace levels of other VOCs: 1,1-DCE (0.44 µg/L), and toluene (0.59 µg/L) (Appendix B). Concentrations of total chromium, nitrate, and TDS were within historical ranges and neither tritium nor carbon-14 was detected above CRDLs.

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SECTION 5
Assessment of Monitoring Programs

As discussed in Section 1, specific goals and objectives have been established for the various water monitoring programs conducted at the site as established in the 2001 Annual Water Monitoring Report. The primary objective of this section is to assess the data obtained from each of these programs with respect to meeting these objectives. This assessment is presented in the following sections.

5.1 Expanded DDC Pilot Test System

The objectives of the monitoring program for the expanded DDC pilot test system are as follows (Brown and Caldwell, 2002):

- Does the expanded pilot test system maximize the mass removal of chloroform from the source area in HSU-1?
- What are the limits of the circulation cell developed by each well individually and in combination?
- How does the system affect the mass transfer of chloroform from HSU-1 to the underlying more permeable HSU-2?

Startup of the expanded DDC pilot test system began on December 5, 2002 and as discussed in Section 3.1, only the baseline sampling and first four weeks of monitoring have occurred. Due to this limited amount of data for 2002, a detailed assessment of the accomplishment of these objectives cannot be presented in this report. This assessment will be presented in the system summary report for the expanded DDC pilot test system that will be prepared after the first year of operation of the system. However, some initial assessments are provided in this section based on the limited amount of data collected in 2002, additional data collected during 2002 for the initial DDC pilot test system, and groundwater monitoring data collected for the RI and IRA systems.

5.1.1 Mass Removal of Chloroform from Source Area

Calculations of mass removal rates within the source area will be provided in the system summary report that will be prepared after one year of operation of the expanded pilot system. However, as shown on Figure 30, initial results show that chloroform mass is being removed from the source area. Figure 30a shows the results of groundwater samples collected from the HSU-1 monitoring wells for the expanded DDC system in 2002. Figure 30b shows these results normalized to the baseline sampling round. A value of 1.0 on Figure 30b indicates that the value for the specific sampling round was the same as the baseline round. Values less than 1.0 indicate that the concentration has decreased and greater than 1.0 indicates that the concentration has increased. As seen on this figure, the concentrations after the first four weeks of operation of the expanded pilot test system, chloroform concentrations at UCD1-49 have decreased significantly indicating that the chloroform mass is being reduced in this area (see Figure 4 for location). No trends are apparent in

the chloroform concentrations in the areas of the other two monitoring wells, UCD1-50 and UCD1-51, during this short period of monitoring for the expanded pilot test system.

5.1.2 Development of Circulation Cells

No assessment on the extent of the circulation cells from the expanded pilot test system can be made with the limited amount of data collected in 2002. However, as indicated in Section 5.1.1, the effects of this system have reached the area of UCD1-49.

5.1.3 Mass Transfer of Chloroform from HSU-1 to HSU-2

To assess the mass transfer of chloroform from HSU-1 to HSU-2, the expanded DDC pilot test system included the installation of UCD2-48 that is screened at the top 10 feet of HSU-2 as illustrated on the schematic cross section presented in Figure 3. This well is located immediately downgradient (approximately 30 feet) of the initial DDC pilot system. In October of 1995, the results of Hydropunch® sampling indicated that chloroform concentrations in this area at the top of HSU-2 were as high as 17,000 μg/L (PNNL, 1996). Figure 31 summarizes the results of chloroform testing conducted in 2002 for UCD2-48 including the baseline sampling round conducted prior to startup of the expanded DDC pilot test system. As seen on this figure, reported chloroform concentrations in this well during 2002 range from 2.6 μg/L to 3.8 μg/L. Although concentrations in this area have been going down since 1995, from natural attenuation, these orders of magnitude lower concentrations of chloroform in the upper part of HSU-2 in this area compared to 1995 results suggests that the initial DDC pilot test system has effectively eliminated the mass transfer of chloroform from HSU-1 to HSU-2. If this interpretation is correct, then the effects of this reduction of mass transfer should have already reached wells in the area of the IRA system.

To assess potential mass reductions of chloroform in the vicinity of the IRA extraction well, data from the influent stream and from monitoring well UCD2-29 were reviewed. This analysis included time vs. chloroform concentration trends in monitoring well UCD2-29. As shown on Figure 4, UCD2-29 represents the closest (about 50-feet) up-gradient well to the IRA extraction well.

Figure 32 presents the time versus chloroform concentration plot for the IRA influent and UCD2-29. As seen on this figure, chloroform concentrations vary for these sample points due to seasonal groundwater fluctuations. However, this figure does suggest that decreases in chloroform occurred at these points after startup of the initial DDC pilot test system. To further assess this potential downward trend, the data was normalized to screen out the seasonal variations through the process of dividing individual month's value by the previous year's value for the same month. For example, the January 2000 chloroform value (148 μg/L) was divided by the January 1999 chloroform value (126 μg/L) with a result of 1.17. Using this normalized process, a value of 1.0 indicates that the individual month's data was the same as the previous year for the same month. A value greater than 1.0 indicates that chloroform increased over the year and a value less than 1.0 indicates that chloroform decreased. A value of 0.5 indicates that the value is half the value of the previous year.

The results of the normalized process are presented on Figure 33. As shown on this figure, from January 2000 through June 2001, monthly chloroform concentrations were approximately the same or slightly higher (equal to or greater than 1) than values for the same month in the previous year. This trend occurred even during the shutdown of the IRA groundwater extraction system from December 2000 to April/May 2001. However, by September 2001 values dramatically declined, with concentrations consistently 0.3 to 0.5 that of values from the previous year. This decrease indicates that the mass of chloroform in the area of the IRA extraction system is decreasing.

This trend first occurred about 6 months after startup of the DDC pilot system that began operation on December 12, 2000. Using the travel times of 980 feet/year to 1,400 feet/year calculated in the 2001 Annual Water Monitoring Report (URS, 2002) for groundwater movement within HSU-2, a water molecule originating in HSU-2 from the HSU-1 source area would arrive at UCD2-29 between 6 months to 9 months later. Chloroform typically travels with the water and does not retard in the system. These calculated travel times are consistent with the observed effects at UCD2-29 corresponding to startup of the DDC pilot test system. It is apparent that the DDC technology is effectively reducing the mass flux of chloroform between HSU-1 and HSU-2 and expansion of this system will decrease the time period necessary to bring chloroform levels in line with remedial action objectives.

5.2 Water Monitoring Program

Three objectives for the combined IRA and RI Water Monitoring programs were listed in the 2001 Annual Report as summarized in Section 1.0 of this report. Two of these objectives are associated with performance of the IRA and are discussed in Section 5.3. The third objective of the combined monitoring program is to assess the following question: Have unexpected changes in Site groundwater, surface water, or storm water occurred that warrant changes to the program?

The monitoring programs designed to accomplish this objective during 2002 is outlined in Section 3.2. This section presents an assessment of the groundwater, surface water, and storm water monitoring programs in meeting this objective.

5.2.1 Groundwater Monitoring

The results of the 2002 groundwater monitoring program are discussed in Section 4.5. As shown in this section and illustrated on the isoconcentration maps, the spatial distribution of the six COCs have remained stable during the past year. Based on this stability, overall, no unexpected changes occurred during 2002 that would warrant changes to the groundwater monitoring program. However, the unanticipated decreases in chloroform in UCD2-29 due to effects of the DDC pilot system (see Section 5.1) in this area may warrant an increase monitoring frequency for this well for VOCs to further assess these decreases over time. Currently, UCD2-29 is monitored on a semi-annual basis for all six COCs.

5.2.2 Surface Water Monitoring

The results of the 2002 surface monitoring program are discussed in Section 4.6. Table 13 provides historical statistics for detected COCs from 1997 through 2002. All detections in 2002 were below the historical averages, except nitrate at STPO which was just above (7.84 mg/L) the average of 6.57 mg/L. Based on this stability, overall, no unexpected changes occurred during 2002 that would warrant changes to the surface water monitoring program.

5.2.3 Stormwater Monitoring

The results of the 2002 groundwater monitoring program are discussed in Section 4.7. Table 14 provides historical statistics for detected COCs from 1997 through 2002. The detections for acetone, total chromium, and TDS were between the historical average and the historical maximum. Based on this stability, overall, no unexpected changes occurred during 2002 that would warrant changes to the stormwater monitoring program.

5.3 IRA Performance

This section discusses the performance of the groundwater IRA and LTPS systems. As discussed in Section 1, the objectives of these monitoring programs are to assess the following:

- Is the IRA system continuing to minimize the offsite migration of VOCs?
- During the injection, does injected water comply with stated WDRs?

An assessment of the accomplishment of these objectives is presented below.

5.3.1 IRA Operations

The groundwater IRA system was designed as an interim action prior to development of final remedial actions for Site groundwater. As discussed in the original design documents (Dames & Moore, 1997), the groundwater IRA system was designed to treat only chloroform and VOCs. The original design of the groundwater IRA system was to prevent off-site migration of VOCs (primarily chloroform) in HSU-2, by extracting, stripping and injecting impacted groundwater with a "closed loop" design. Although the system was designed as a "closed loop" system, it was recognized that not all treated effluent would be captured by the extraction well at all times.

Removal and Treatment VOCs. Figure 6 shows that chloroform removal rate is seasonally dependent. Total chloroform mass removed and influent chloroform concentration (Table 10 and Appendix C) are the highest in the summer (June through October) when regional pumping in HSU-2 causes strong downward vertical gradients. The downward vertical gradients facilitate the transport of all constituents from HSU-1 to HSU-2, in the area of the groundwater IRA. In other areas of the Site, such as the eastern dog pens and eastern trenches, the downward migration of

these constituents occurs during periods of regional downward vertical gradients. Chloroform mass removal rate in winter (November through May) is limited because upward vertical gradients drive low TDS HSU-2 groundwater upwards into HSU-1. This seasonal trend was again evident during 2002, although the peak chloroform concentrations in HSU-2 monitoring wells appeared one to two months earlier than in previous years. This shift could be the result of below-average rainfall during the winter of 2001-2002, and an early start to regional "dry season" pumping.

Operational data collected since 1998 suggests that higher extraction rates maintained during the first few years of operation may have resulted in the downward transport of TDS and nitrate from HSU-1 to HSU-2. However, as demonstrated in the 2001 Annual Report, reduced extraction rates during 2001 and 2002 (compared with 1998 to 2000) appear to be effective in minimizing off-Site migration of VOCs as shown in Figure 34. Reducing the pumping rate has other benefits. Reducing the extraction rate requires less Berryessa water for mixing and reduces the transport of TDS and nitrate from HSU-1 to HSU-2 which can lead to the subsequent exceedance of discharge requirements for these constituents.

Figure 34 presents both the monthly extracted groundwater volume and the chloroform concentration in UCD2-40 over time. As shown on Figure 34, chloroform concentration is very sensitive to IRA extraction rate. In January to September 2001, when the IRA system was being upgraded, chloroform concentrations increased. However, in fall 2001 and throughout 2002, chloroform concentrations in UCD2-40 have remained very low near the detection limit.

Compared with 1998 through 2000, IRA extraction rates in 2002 were lower. The low concentrations observed in UCD2-40 show that 2002 IRA extraction rates were sufficient to result in chloroform capture. This result indicates that the current, lower pumping rate is sufficient to prevent offsite migration of chloroform.

These results can be explained by two factors. First, the operation of the IRA since 1998 has certainly reduced the mass of chloroform in HSU-2. Secondly, after one year of operation, the DDC system may be reducing the flux of chloroform from HSU-1 to HSU-2 as discussed in Section 5.1 for the DDC pilot test system (see also Figure 30). Both of these factors are beginning to result in a reduction in chloroform concentration in the influent (Table 10) and monitoring well UCD2-29 Figure 32).

Nitrate and TDS in IRA Effluent. Beginning in 1999, periodic exceedance of effluent discharge limits for nitrate and TDS has occurred as a result of these constituents in extracted groundwater. A number of steps have been taken to bring the IRA back into compliance with discharge requirements, including evaluating the effect of extraction flow rate and the implementation of the LTPS. The Berryessa Mixing system has proven effective in reducing effluent concentrations of TDS and nitrate when operational. However, the Berryessa system cannot be used when other upstream users are drawing water off the line for irrigation. In addition, the Berryessa water is high in bacteria and algae and use of the mixing system has contributed to biofouling of the injection well screen. For these reasons, the Berryessa system may not be a sustainable system that can achieve compliance with discharge requirements.

Compliance with Effluent Discharge Standards for Injection. The Berryessa system was brought on-line in late March 2001 for the purpose of mixing the IRA effluent with low TDS water to achieve TDS and nitrate discharge limits for injection. The most significant operational problem with the Berryessa Mixing system was associated with the algae and bacteria content in the Berryessa water. In addition to the water quality problems leading to biofouling of the injection well, low water pressures during upstream irrigation events also limited the availability of this water.

The Berryessa system operated approximately 24 percent of the time during 2002, and did not operate in December 2002. Despite the lack of Berryessa mixing water, IRA effluent achieved injection discharge standards for TDS and nitrate in December 2002. Reduced extraction rates in 2001 and 2002 have evidently resulted in less downward migration of salts and nitrates from HSU-1 to HSU-2. Based on this trend, reducing IRA extraction rate apparently reduces TDS and nitrate migration while still achieving chloroform capture, without using the Berryessa system.

Compliance with Effluent Discharge Standards for LTPS Irrigation. During 2002, all effluent samples achieved land treatment effluent standards (Appendix A) with two exceptions. In June and then again in July 2002, the air intake to the air stripper became blocked thereby reducing treatment efficiency and resulting in slight exceedances of the discharge standard for chloroform. All other irrigation standards including metals, radionuclides, and general chemicals were met for all samples collected.

The blockage of the air stripper intake duct was an isolated incident and is unlikely to reoccur in the future. The IRA system has otherwise proven capable of achieving all effluent discharge standards for irrigation.

5.3.2 LTPS Operations

As noted above, the LTPS system became operational in July 2002. A total of 2.3 million gallons or 7.4 percent of the groundwater treated by the IRA in 2002 was re-used for irrigation during 2002. The use of treated IRA effluent as irrigation water is limited by the 2.6 acres of pasture included in the LTPS. If the land treatment option is accepted and expanded, approximately 24 to 30 acres would be required to utilize all IRA effluent for pasture production during the irrigation season, April to October.

The groundwater quality beneath the LTPS will continue to be monitored to ensure the system is not impacting underlying water quality. At this time, no meaningful trends can be derived from the LTPS monitoring data since only one sample event has occurred since system startup in July 2002.

The LTPS provides a promising opportunity for management of the high TDS and nitrate in the effluent stream from the IRA. During 2003, the LTPS monitoring program will continue and alternatives for expansion of the land treatment area will be evaluated.

SECTION 6
RECOMMENDATIONS

Based on the information presented in this 2002 Comprehensive Annual Water Monitoring Report, no significant changes are recommended for the monitoring programs described in the 2001 Annual Water Monitoring Report. These programs for 2003 are listed on Tables 3, 6 and 7 and include continued monitoring for the following:

1. The expanded DDC pilot test system;
2. The LTPS; and
3. The combined program for the IRA and RI Water Monitoring Programs

Based on information suggesting that the expanded DDC system may be reducing the mass of chloroform reaching the area of the IRA extraction system, it is recommended that groundwater samples be collected on a quarterly basis from UCD2-29 and submitted for analysis of VOCs. This well is currently sampled on a semi-annual basis. As in the past, additional monitoring data will be collected during the year based on the changing needs of the overall project, as warranted.

As requested by the RWQCB wells UCD1-1, UCD1-4, UCD1-10, UCD1-11, UCD1-12, UCD1-13, UCD1-18, UCD1-19, UCD1-20, UCD1-21, UCD1-22, UCD1-23, UCD1-24, and UCD1-25 were added to the semiannual monitoring for the six COCs to establish present water quality conditions and seasonal variations prior to initiating the FS.

Based on request to produce the routine monitoring data in a more timely manner, the overall program was also reviewed to assess potential changes to provide this timely reporting. Based on the review, it is also recommended that the data validation process be modified for groundwater samples collected for the on-going programs. The current validation program developed for these programs was started in 1994 at the beginning of the remedial action investigation. Since that time, an extensive data set has been developed for the six COCs within each of the monitoring wells and other sampling points for these programs. Therefore, because potential problems with the analytical reports can be assessed from significant discrepancies in data from previous results, it is recommended that the data validation process for these reports outlined in the QAPP be modified to a more streamlined data verification process. This type of streamlined approach can be automated as part of the data entry process resulting in more timely reporting of the results to the RPMs. The proposed data verification process is presented in Section 6.1. It is important to note, however, that the full laboratory reports will still be requested and that more complete validation can be conducted on specific analytical reports, if warranted.

6.1 Proposed Data Verification Process

Quality control (QC) samples consisting of duplicates and blanks will be collected in the field according to procedures discussed in the QAPP (Dames & Moore, 1998b) and at a minimum frequency of 10 percent of the total amount of samples collected for each sampling round. Travel blanks will be included with each shipment containing samples for VOC analyses. Duplicate

samples will be submitted for the same analysis as the primary samples. Travel blanks will only be analyzed for VOCs. The assessment of trip blanks, equipment blanks, and field duplicates will be as specified in the final revised QAPP prepared for the site (Dames & Moore, 1998b).

The quality assurance/quality control procedures that will be conducted by the analytical laboratory for sample analysis is discussed in the QAPP. As before, the laboratory will be required to submit laboratory reports in both electronic and hardcopy formats. The electronic format will be consistent with the project's electronic data deliverable (EDD) format. This format will allow data to be uploaded into an automated data review (ADR) tool. The electronic data will then be loaded into a Microsoft SQL Server database. Database verification reports will be generated and compared to the laboratory hardcopy reports to confirm that results in the database match the laboratory hardcopy report.

Analytical performance will be assessed on a "batch QC" basis, that is, by evaluating the QC sample results for groups of samples that were prepared and analyzed together. The assessment steps will include the following.

- Reviewing chain-of-custody documentation.
- Checking holding time compliance.
- Determining whether adequate or required batch QC samples were analyzed and reported according to method and project specifications (i.e., method blanks, laboratory control samples [LCSs], and matrix spikes [MSs]).
- Assessing LCS and laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPDs).
- Evaluating surrogate spike recoveries (for organic methods).
- Evaluating method blank contamination.
- Assessing MS recoveries and matrix spike duplicate (MSD) recoveries and RPDs.

Influences from field conditions, cross-contamination, and assessment of matrix heterogeneity will be evaluated using field QC samples, including:

- Trip blanks
- Equipment blanks
- Field duplicates

These QC samples will be associated to the field samples by sampling date, shipment cooler, sampling equipment, location, matrix, or other conditions related to sample collection and handling, as appropriate. As a final process, the reported concentrations of the six COCs will be compared to the historical results of these constituents to assess potential discrepancies in the data.

6.2 Reporting

Current reporting for the monitoring programs includes quarterly reports and an annual report. No changes are recommended for this reporting scheme during 2003. A summary of the content of the reports issued for 2003 is presented below.

Quarterly Reports: Quarterly reports will include updates for all of the programs described in this section. These updates will include an assessment of the progress of each system, summary of unexpected changes, and additional data collected, if any, that was not included in the programs. Monthly data collected during the quarter will also be included in this report and discussed separately.

Annual Report: The Annual Report will present the detailed assessment of each monitoring program and will include a summary of changes to the programs and recommendations for future monitoring. The assessments will include detailed analysis of historical monitoring, including graphical and statistical analysis. The 2003 Annual Water Monitoring Report will be submitted to the U.S. EPA by April 1, 2004.

In addition to these reports and as specified by the Work Plan for the Expanded DDC pilot test (Brown and Caldwell, 2002), a letter report summarizing the effectiveness of this system will be prepared after one year of operation. The expanded DDC pilot system began operation on December 5, 2002. Based on the ending date of December 5, 2003 and receipt of all the analytical data, this letter report will be submitted to U.S. EPA by March 1, 2004.

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TABLES

Table 1
Formation Thickness, Soil Borings, and TEM Points
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Boring/TEM I.D.	Total Depth (feet bgs)	Formation Thickness				
		Putah Creek Fan		Tehama Formation		
		HSU-1	HSU-2	HSU-3	HSU-4	Unnamed Aquitard
UCD1-1	56.5	56.5+	-	-	-	-
UCD1-2	60	60.0+	-	-	-	-
UCD1-3	61.5	61.5+	-	-	-	-
UCD1-4	56.5	56.5+	-	-	-	-
UCD1-5	48.5	48.5+	-	-	-	-
UCD1-6	52.5	52.5+	-	-	-	-
UCD2-7	90	78	12.0+	-	-	-
UCD1-8	56	56.0+	-	-	-	-
UCD1-9	51.5	51.5+	-	-	-	-
UCD1-10	70	70.0+	-	-	-	-
UCD1-11	66.5	66.5+	-	-	-	-
UCD1-12	66.5	66.5+	-	-	-	-
UCD1-13	66.5	66.5+	-	-	-	-
UCD2-14	86	80	6.0+	-	-	-
UCD2-15	120.5	85	33	2.5+	-	-
UCD2-16	122	88	31	3.0+	-	-
UCD2-17	143	84.5	53	5.5+	-	-
UCD1-18	70	70.0+	-	-	-	-
UCD1-19	74.5	74.5+	-	-	-	-
UCD1-20	71.5	71.5+	-	-	-	-
UCD1-21	73.5	73.5+	-	-	-	-
UCD1-22	71.5	71.5+	-	-	-	-
UCD1-23	76.5	76.5+	-	-	-	-
UCD1-24	71.5	71.5+	-	-	-	-
UCD1-25	75	75.0+	-	-	-	-
UCD2-26	102	88	14.0+	-	-	-
UCD2-27	136	81.5	44.5	10.0+	-	-
UCD1-28	70	70.0+	-	-	-	-
UCD2-29	96	75	21.0+	-	-	-
UCD2-30	110	75	35.0+	-	-	-
UCD2-31	110	75	35.0+	-	-	-
UCD2-32	105	81.5	23.5+	-	-	-
UCD4-33	310	86.5	27.5	144	52.0+	-
UCD1-34	80	76	4.0+	-	-	-
UCD2-35	130	76	54.0+	-	-	-
UCD2-36	105	80	25.0+	-	-	-
UCD2-37	123.5	85.5	33	5.0+	-	-
UCD2-38	119	89.5	29.5+	-	-	-
UCD2-39	112	86	26.0+	-	-	-
UCD2-40	108.5	81.5	26.5	0.5+	-	-
UCD4-41	295	81.5	26.5	147	27	13.0+
UCD4-43	295	81	44	125	30	15.0+
UCD4-44	295	80	51	119	30	15.0+
UCD2-45	116	94	25.0+	-	-	-
UCD2-46	105	85	20.0+	-	-	-

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		Putah Creek Fan		Tehama Formation		
		HSU-1	HSU-2	HSU-3	HSU-4	Unnamed Aquitard
UCD4-47	295	95	20	139	36	5.0+
UCD2-48	100	85	15	-	-	-
UCD1-49	71.5	71.5+	-	-	-	-
UCD1-50	71.5	71.5+	-	-	-	-
UCD1-51	71.5	71.5+	-	-	-	-
EW2-1	125.5	77	37	11.5+	-	-
IW2-1	126.5	87.5	32.5	6.5+	-	-
TEM-1	339	64	40	204	31+	-
TEM-2	299	74	66	126	33+	-
TEM-3	314	74	50	144	46+	-
TEM-4	325	72	39	166	48+	-
TEM-5	325	67	37	174	47+	-
TEM-6	330	64	38	185	43+	-
TEM-7	330	69	37	187	37+	-
TEM-8	329	69	34	189	37+	-
TEM-9	324	69	41	180	34+	-
TEM-10	325	69	55	157	44+	-
TEM-11	340	61	45	188	46+	-
TEM-12	327	70	25	197	35+	-
TEM-13	329	65	17	207	40+	-
TEM-14	335	57	20	220	38+	-
TEM-15	347	57	25	227	38+	-
TEM-16	349	55	23	229	42+	-
TEM-17	346	47	20	236	43+	-
TEM-18	345	84	25	91	106	39+
TEM-19	340	76	43	100	88	33+
TEM-20	320	75	42	73	92	38+
TEM-21	297	77	58	47	73	42+
TEM-22	286	73	55	54	63	41+
TEM-23	297	76	50	56	79	36+
TEM-24	296	76	53	53	77	37+
TEM-25	321	83	53	50	86	49+
TEM-26	311	79	50	53	83	46+
TEM-27	297	74	43	53	79	48+
TEM-28	256	69	52	61	53	21+
TEM-29	350	124	81	73	72+	-
TEM-30	231	110	78	43+	-	-
TEM-31	287	115	74	98+	-	-
TEM-33	143	99	44+	-	-	-
TEM-34	208	107	61	40+	-	-
TEM-35	208	93	69	46+	-	-
TEM-36	208	94	67	47+	-	-
TEM-37	148	112	36+	-	-	-
TEM-38	273	96	43	99	35+	-

Table 2
Analytical Parameters and Methods
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

SAMPLE PARAMETERS		
Constituent	Units	Method(s)
Field Parameters		
Field		
pH	pH units	Field, SOP
EC	µmhos/cm	Field, SOP
Eh	Mvolts	Field, SOP
Temperature	□C	Field, SOP
Turbidity	ntu	Field, SOP
Laboratory Parameters		
Organic		
Volatile Organic Compounds	µg/L	EPA SW8260B
Semivolatile Organic Compounds	µg/L	EPA SW8260B
Organochlorine Pesticides/PCBs	µg/L	EPA SW8081A/8082
Radiologic		
Gross Alpha	pCi/L	EPA 9310
Gross Beta	pCi/L	EPA 9310
Titanium	pCi/L	EPA 906.0 (M)
Carbon-14	pCi/L	EPA-R4-73-014
Strontium –90	pCi/L	EPA 905.0 (M)
Radium-226	pCi/L	EPA 903.1 (M)
Americium-241	pCi/L	EPA 907.0 (M)
Plutonium-241	pCi/L	EPA 907.0 (M)
Th-234	pCi/L	EPA 901.1 (M)
Pb-214	pCi/L	EPA 901.1 (M)
Bi-214	pCi/L	EPA 901.1 (M)
Pb-210	pCi/L	EPA 901.1 (M)
U-235	pCi/L	EPA 901.1 (M)
U-238	pCi/L	EPA 901.1 (M)
Na-22	pCi/L	EPA 901.1 (M)
Ac-228	pCi/L	EPA 901.1 (M)
Pb-212	pCi/L	EPA 901.1 (M)
Bi-212	pCi/L	EPA 901.1 (M)
Tl-208	pCi/L	EPA 901.1 (M)
K-40	pCi/L	EPA 901.1 (M)
Co-60	pCi/L	EPA 901.1 (M)
Cs-137	pCi/L	EPA 901.1 (M)
Metals		
Hexavalent Chromium		EPA SW7196
Total Chromium	µg/L	EPA SW6010B/EPA SW 6020
Anitmony	µg/L	EPA SW6020
Arsenic	µg/L	EPA SW6020
Barium	µg/L	EPA SW6020
Beryllium	µg/L	EPA SW6020
Cadmium	µg/L	EPA SW6020
Cobalt	µg/L	EPA SW6020
Copper	µg/L	EPA SW6020
Iron	µg/L	EPA SW6020
Lead	µg/L	EPA SW6020
Mercury	µg/L	EPA SW747OA
Molybdenum	µg/L	EPA SW6020
Nickel	µg/L	EPA SW6020
Selenium	µg/L	EPA SW6020
Silver	µg/L	EPA SW6020
Thallium	µg/L	EPA SW6020
Vanadium	µg/L	EPA SW6020

Table 2
Analytical Parameters and Methods
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

SAMPLE PARAMETERS		
Constituent	Units	Method(s)
Zinc	µg/L	EPA SW6020
General Chemicals		
Alkalinity	mg/L	EPA 310.1
Sodium	mg/L	EPA 6010B
Potassium	mg/L	EPA 6010B
Calcium	mg/L	EPA 6010B
Magnesium	mg/L	EPA 6010B
Chloride	mg/L	EPA 300.0
Sulfate	mg/L	EPA 300.0
Phosphorus, dissolved	mg/L	EPA 365A
Nitrate (as Nitrogen)	mg/L	EPA 300.0
Total Dissolved Solids	mg/L	EPA 160.1
Total Suspended Solids	mg/L	EPA 415.2
Total Organic Carbon	mg/L	EPA 9060M
Hardness	mg/L	EPA 130.2
Oil and Grease	mg/L	EPA 9070
Acute Aquatic Toxicity	%	EPA/600/4-90-027F
Chronic Aquatic Toxicity	%	EPA 600/4-91/002

Table 3
Expanded DDC System Monitoring Requirements
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Wells		VOC
HSU-1	UCD1-012	B, W-M-Q
	UCD1-049	B, W-M-Q
	UCD1-050	B, W-M-Q
	UCD1-051	B, W-M-Q
	TP-1-A,B and C	B, Q
	TP-2-A,B and C	B, Q
	TP-3-A,B and C	B, Q
	TP-4-A,B and C	B, Q
	TP-5-A,B, and C	B, Q
	DDC-1-A, B and C	B, W-M-Q
	DDC-2-A, B and C	B, W-M-Q
	DDC-3-A, B and C	B, W-M-Q
	DDC-4-A, B and C	B, W-M-Q
	DDC-5-A, B and C	B, W-M-Q
	DDC-6-A, B and C	B, W-M-Q
HSU-2	UCD2-048	B, W-M-Q

W-M-Q = Sampled weekly for the first through fourth week following start up of the expanded DDC system, monthly for the 2nd through 4th month, then quarterly during the 5th through 12th month after start-up

B = Baseline

Q = Quarterly

All sample locations to include: Dissolved oxygen, oxidation potential, pH, temperature, and electrical condutivity

Table 4
Summary of Well Construction Details
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Wells	Date Installed	Total Boring Depth (ft bgs)	PVC Well Diameter (inches)	Screen Interval (ft bgs)	Filter Pack (ft bgs)	Bentonite (ft bgs)	Cement (ft bgs)	Measuring Point Elevation (ft msl)	Elevation Ground Surface (ft msl)
Groundwater Monitoring Wells									
UCD1-001	10/09/87	56.5	2	46.5-56.5	41-56.5	38-41	0-38	50.05	47.9
UCD1-002	Abandoned								
UCD1-003	10/23/87	51.5	2	39-49	34-51.5	a	0-34	50.05	48.2
UCD1-004	10/14/87	56.5	2	45-55	40-56.5	37-40a	0-37	51.69	49.4
UCD1-005	10/22/87	48.5	2	38-48	33-48	a	0-33	48.44	48.4
UCD1-006	10/21/87	52.5	2	40-50	35-50	a	0-35	50.94	49.0
UCD2-007	11/05/87	90	2	80-90	75-90	a	0-75	51.65	49.3
UCD1-008	11/03/87	56	2	43.5-53.5	39-53.5	a	0-39	51.51	49.2
UCD1-009	11/04/87	51.5	2	40-50	35-50	a	0-35	51.38	49.0
UCD1-010	10/11/89	70	4	54-69	52-70	49-52	0-49	49.87	47.4
UCD1-011	10/17/89	66.5	4	50-65	47-66.5	44-47	0-44	50.67	47.6
UCD1-012	10/19/89	65	4	49.5-64.5	47-65	44-47	0-44	51.76	48.8
UCD1-013	10/26/89	65	4	50-65	47-65	44.5-47	0-44.5	52.19	49.2
UCD2-014	11/15/89	86	4	75-85	69-86	64-69	0-64	51.72	49.0
UCD2-015	03/28/90	120.5	4b	91-116	86-120.5	65-86	0-65	51.49	49.4
UCD2-016	04/04/90	122	4b	92-117	86-122	71-86	0-71	49.95	48.2
UCD2-017	04/10/90	143	4b	88-113	81-113	78-81	0-78	51.83	49.6
UCD1-018	10/04/90	70	4b	54-69	51-70	48-51	0-48	48.56	46.7
UCD1-019	10/01/90	74.5	4b	56.5-71.5	53.5-72.5	50.5-53.5	0-50.5	51.33	49.3
UCD1-020	10/09/90	73.5	4b	57-72	54-73.5	51-54	0-51	49.78	48.0
UCD1-021	10/11/90	73.5	4b	57-72	54-73.5	51-54	0-51	48.77	48.7
UCD1-022	10/25/90	73	4b	57-72	54-73	51-54	0-51	49.07	49.0
UCD1-023	10/17/90	76.5	4b	56.5-71.5	53.5-73	50.5-53.5	0-50.5	49.39	49.2
UCD1-024	10/22/90	73	4b	57-72	54-73	51-54	0-51	48.91	48.8
UCD1-025	10/06/95	75	4c	60-75	56.9-75	52-56.9	0-52	47.38	-
UCD2-026	10/06/95	102	4c	87-102	54-102	79-84	0-79	48.79	-
UCD1-27Z1	10/06/95	136	5c	53-55	51.5-57.5	49-51.5	0-49	47.52	-
UCD1-27Z2	10/06/95	136	5c	63-65	61.5-66.5	57.5-61.5	0-49	47.52	-
UCD1-27Z3	10/06/95	136	5c	73-75	71.5-76.5	66.5-71.5	0-49	47.52	-
UCD2-027Z4	10/06/95	136	5c	86-88	84.9-90	76.5-84.9	0-49	47.52	-
UCD2-027Z5	10/06/95	136	5c	96-98	94.5-100	90-94.5	0-49	47.52	-

Table 4
Summary of Well Construction Details
2002 Comprehensive Annual Water Monitoring Report
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Davis, California

Wells	Date Installed	Total Boring Depth (ft bgs)	PVC Well Diameter (inches)	Screen Interval (ft bgs)	Filter Pack (ft bgs)	Bentonite (ft bgs)	Cement (ft bgs)	Measuring Point Elevation (ft msl)	Elevation Ground Surface (ft msl)
UCD2-027Z6	10/06/95	136	5c	106-108	104.5-109.5	100-104.5	0-49	47.52	-
UCD2-027Z7	10/06/95	136	5c	116-118	114.5-119	109.5-114.5	0-49	47.52	-
UCD1-028	09/05/96	70	2b	53-68	51-70	47-51	0-47	47.48	48.1
UCD2-029	09/04/96	97	2b	80-95	76.7-97	72-76.7	0-72	47.58	48.1
UCD2-030	09/10/96	110	2b	95-110	91-110	89.5-91	0-89.5	47.20	47.6
UCD2-031	09/11/96	110	2b	94-109	91-110	87-91	0-87	47.21	47.5
UCD2-032	04/03/97	105	2b	83-103	81-105	77-81	0-77	45.41	45.1
UCD4-033	Abandoned in May 1997 and replaced by UCD4-42								
UCD1-034	10/06/95	80	4c	61-76	57-76	50-57	0-50	55.70	-
UCD2-035	10/06/95	130	4c	107-122	103-122	98-103	0-98	55.71	-
UCD2-036	11/06/97	105	2b	82-102	79-105	73-79	0-73	48.31	-
UCD2-037	10/20/97	118.5	2b	94-114	91-118.5	85-91	0-85	49.63	-
UCD2-038	10/23/97	119	2b	95-115	89-95	83-89	0-83	57.20	-
UCD2-039	10/30/97	112	2b	87-107	84-112	80.5-84	0-81.5	49.63	47.4
UCD2-040	11/07/97	108.5	2b	86-106	83-108.5	78-83	0-78	46.49	46.5
UCD4-041	10/10/97	295	4b	257-277	253-280	248.5-253	0-248.5	46.60	47.0
UCD4-042	11/03/97	272	4b	248.5-268.5	245-269	240-245	0-246	47.22	47.0
UCD4-043	10/02/97	295	4b	248-268	242.5-274	233-242.5	0-237	45.06	44.5
UCD4-044	04/07/99	295	4b	246.5-266.5	242-273	237-242	0-237	47.43	-
UCD2-045	11/30/99	114	2b	93-113	89.5-113.5	84.5-89.5	0-84.5	46.33	45.0
UCD2-046	05/05/00	106	2b	84.5-104.5	81.75-106	79-81.75	0-79	44.79	51.5
UCD4-047	05/20/00	299	4b	266-286	263.5-288.9	257-263	0-257	47.04	45.0
UCD2-048	08/28/02	104	4b	90-100	88.3-104	84-88.3	0-84	51.21	-
UCD1-049	08/14/02	69.5	4b	49.5-69.5	47-69.5	43-47	0-43	51.16	-
UCD1-050	08/13/02	69.5	4b	49.5-69.5	47.5-69.5	43.5-47.5	0-43.5	52.08	-
UCD1-051	08/12/02	70	4b	49.7-69.7	48-70	44-48	0-44	51.62	-
DDC Treatment System									
DDC-1	10/27/00	86	4b	20-35 40-55 65-80	19-35.5 40-55.7 60-80.5	17-19 35.7-40 80.5-85	0.5-17	52.82	-
DDC-1A	10/27/00	86	1.25b	32.5-35	19-35.5	17-19	0.5-17	51.42	-
DDC-1B	10/27/00	86	1.25b	50-52.5	40-55.7	35.7-40	0.5-17	51.32	-

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DDC-1C	10/27/00	86	1.25b	70-75	60-80.5	80.5-85	0.5-17	51.42	-
DDC-2	09/16/02	80	4b	19.7-34.7 39.7-54.7 64.7-79.7	16-36 38-56.5 62.3-80	14.3-16 36-38 56.5-62.3	0-14.3	51.34	-
DDC-2A	09/16/02	80	1.25b	30-35	16-36	14.3-16	0-14.3	51.50	-
DDC-2B	09/16/02	80	1.25b	50-55	38-56.5	36-38	0-14.3	51.52	-
DDC-2C	09/16/02	80	1.25b	65-70	62.3-80	56.5-62.3	0-14.3	51.47	-
DDC-3	09/18/02	80	4b	19-34 39-54 64-69.7	16-35 37-56.7 62-80	14.3-16 35-37 56.7-62	0-14.3	52.53	-
DDC-3A	09/18/02	80	1.25b	28-34	16-35	14.3-16	0-14.3	51.75	-
DDC-3B	09/18/02	80	1.25b	49-54	37-56.7	35-37	0-14.3	51.68	-
DDC-3C	09/18/02	80	1.25b	64-79.7	62-80	56.7-62	0-14.3	51.74	-
DDC-4	09/19/02	80	4b	19.5-34.5 39.5-54.5 64.5-79.5	16-35.5 37-56.5 62-80	14.3-16 35.5-37 56.5-62	0-14.3	50.86	-
DDC-4A	09/19/02	80	1.25b	29.5-34.5	16-35.5	14.3-16	0-14.3	51.22	-
DDC-4B	09/19/02	80	1.25b	49.5-54.5	37-56.5	35.5-37	0-14.3	51.23	-
DDC-4C	09/19/02	80	1.25b	64.5-69.5	62-80	56.5-62	0-14.3	51.84	-
DDC-5	09/20/02	80	4b	18.5-33.5 38.5-53.5 63.5-78.5	16-34.5 36.5-55.7 61-80	14-16 34.5-36.5 55.7-61	0-14	51.18	-
DDC-5A	09/20/02	80	1.25b	28.5-33.5	16-34.5	14-16	0-14	51.02	-
DDC-5B	09/20/02	80	1.25b	48.5-53.5	36.5-55.7	34.5-36.5	0-14	51.04	-
DDC-5C	09/20/02	80	1.25b	73.5-78.5	61-80	55.7-61	0-14	51.01	-
DDC-6	09/13/02	80.3	4b	20-35 40-55 65-80	16-36 38-56.5 62-80.3	14.3-16 36-38 56.5-62	0-14.3	51.37	-
DDC-6A	09/13/02	80.3	1.25b	30-35	16-36	14.3-16	0-14.3	51.56	-
DDC-6B	09/13/02	80.3	1.25b	50-55	38-56.5	36-38	0-14.3	51.58	-
DDC-6C	09/13/02	80.3	1.25b	65-70	62-80.3	56.5-62	0-14.3	51.51	-

Table 4
Summary of Well Construction Details
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Davis, California

Wells	Date Installed	Total Boring Depth (ft bgs)	PVC Well Diameter (inches)	Screen Interval (ft bgs)	Filter Pack (ft bgs)	Bentonite (ft bgs)	Cement (ft bgs)	Measuring Point Elevation (ft msl)	Elevation Ground Surface (ft msl)
Piezometers									
TP-1A	11/04/00	80	2	30-35	17-35.5	14-17	0.5-14	49.65	-
TP-1B	11/04/00	80	2	47-52	45-55	35.7-45	0.5-14	49.90	-
TP-1C	11/04/00	80	2	70-75	60-80.5	55-60	0.5-14	49.81	-
TP-2A	10/31/00	79	2	28-33	14-33	12-14	0.5-12	51.43	-
TP-2B	10/31/00	79	2	47.5-52.5	45-55	33-45	0.5-12	51.15	-
TP-2C	10/31/00	79	2	70-75	60-79	55-60	0.5-12	51.10	-
TP-3A	11/03/00	80.5	2	30-35	20-33.5	15-20	0.5-15	51.05	-
TP-3B	11/03/00	80.5	2	47.5-52.5	45-55	35.5-45	0.5-15	51.10	-
TP-3C	11/03/00	80.5	2	70-75	60-80.5	55-60	0.5-15	51.08	-
TP-4A	11/02/00	80.5	2	30-35	19-35	12-19	0.5-17	51.07	-
TP-4B	11/02/00	80.5	2	47.5-52.5	45-55	35-45	0.5-17	51.06	-
TP-4C	11/02/00	80.5	2	70-75	60-80.5	55-60	0.5-17	51.17	-
TP-5A	10/26/00	80	2	30-35	20-35.5	15-20	0.5-15	51.93	-
TP-5B	10/26/00	80	2	47.5-52.5	45-55.3	35.5-45	0.5-15	51.87	-
TP-5C	10/26/00	80	2	74.5-79.5	60-80	55.25-60	0.5-15	51.79	-
IRA Treatment System									
EW2-1	09/20/96	125.65	8b	79.4-119.4	74.4-125.65	68.4-74.4	0-68.4	49.17	47.3
IW2-1	10/17/97	126.5	10b	84.5-119.5	80-126.5	75-80	0-75	49.39	-

[a] well constructed with #60 sand seal and no bentonite

[b] stainless steel, wire-wrap screen

[c] stainless steel, blank casing, and wire wrap screen

EW = extraction well

ft bgs = feet below ground surface

ft msl = feet mean sea level datum

IW = injection well

Table 5

2002 Combined Groundwater IRA Treatment System, RI Groundwater, Surface Water, and Stormwater Monitoring
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Davis, California

Wells		Groundwater Level	Tritium	C-14	VOC	Metals	TOC	Nitrates (as N)	Total Chromium	TDS
HSU-1	UCD1-001	M								
	UCD1-002	M								
	UCD1-003	M								
	UCD1-004	M								
	UCD1-005	M								
	UCD1-006	M								
	UCD1-008	M								
	UCD1-009	M								
	UCD1-010	M						Sp		Sp
	UCD1-011	M	Sp	Sp	Sp			Sp		Sp
	UCD1-012	M	Sp	Sp	Sp			Sp	Sp	Sp
	UCD1-013	M	WSp	WSp	Sp			Sp	Sp	Sp
	UCD1-018	M	Sp	Sp	Sp			Sp	Sp	Sp
	UCD1-019	M								
	UCD1-020	M								
	UCD1-021	M								
	UCD1-022	M								
	UCD1-023	M								
	UCD1-024	M								
	UCD1-025	M			Sp*					
	UCD1-028	M	MF	MF	MF		MF	MF	MF	MF
	UCD1-034	M								
	UCD1-049	M	F	F	SuF			F	F	F
	UCD1-050	M	F	F	SuF			F	F	F
	UCD1-051	M	F	F	SuF			F	F	F
HSU-2	UCD2-007	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-014	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-015	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-016	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-017	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-026	M	WSp*SuF	WSp*SuF	WSp*SuF		WSp*SuF	WSp*SuF	WSp*SuF	WSp*SuF
	UCD2-027Z3	M								
	UCD2-029	M	MF	MF	MF		M	MF	MF	MF
	UCD2-030	M	MF	MF	MF		M	MF	MF	MF

Table 5
2002 Combined Groundwater IRA Treatment System, RI Groundwater, Surface Water, and Stormwater Monitoring
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
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Wells		Groundwater Level	Tritium	C-14	VOC	Metals	TOC	Nitrates (as N)	Total Chromium	TDS
	UCD2-031	M	MF	MF	MF		M	MF	MF	MF
	UCD2-032	M	WSpSuF	WSpSuF	WSpSuF		WSpSuF	WSpSuF	WSpSuF	WSpSuF
	UCD2-035	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-036	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-037	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-038	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-039	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-040	M	MF	MF	MF		MF	MF	MF	MF
	UCD2-045	M	WSpSuF	WSpSuF	WSpSuF		Sp	SpSu	WSpSuF	WSpSuF
	UCD2-046	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
	UCD2-048	M	F	F	SuF			F	F	F
HSU-4	UCD4-041	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
	UCD4-042	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
	UCD4-043	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
	UCD4-044	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
	UCD4-047	M	WSpSuF	WSpSuF	WSpSuF			WSpSuF	WSpSuF	WSpSuF
Storm-water	LF-1	11/9/2002								
	LF-3	NO FLOW								
	LS-1	11/8/2002								
Surface Water	STPO	11/12/2002								
	PCU	11/12/2002								
	PCD	11/12/2002								
Treatment System	Influent	M	M	M	M		M			
	ASDP							We*		We*
	Effluent	M			M	M		We	M	We

Notes:

ASDP = Air stripper discharge pump

M = Monthly

Su = Sampled summer quarter

W = Sampled winter quarter

VOC = Volatile organic compounds

F = Sampled fall quarter under new sampling program as discussed in Section 3.2.1

We* = Sampled weekly during September 2002 during operation of the treatment system

Sp = Sampled spring quarter

Sp* = Sampled during July 2002

TOC = Total organic carbon

TDS = Total dissolved solids

Table 6
2003 Combined Groundwater IRA Treatment System, RI Groundwater, Surface Water, and Stormwater Monitoring Requirements
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Wells		Groundwater Level	Radiological Analytes				Chemical Analytes												Bioassay	
			Tritium	C-14	Sr-90	Ra-226	VOC	Pesticides & PCBs	Metals	TOC	Nitrates (as N)	Total Chromium	TDS	Alkalinity	TSS	Oil and Grease	Anions	Cations	Acute Aquatic Toxicity	Chronic Aquatic Toxicity
HSU-1	UCD1-001	M	S	S			S				S	S	S							
	UCD1-004	M	S	S			S				S	S	S							
	UCD1-010	M	S	S			S				S	S	S							
	UCD1-011	M	Q[1]	Q[1]			Q[1]		Q[1]	Q[1]	Q[1]	Q[1]	Q[1]	Q[1]			Q[1]			
	UCD1-012	M	S	S			Q[2]				S	S	S							
	UCD1-013	M	S	S			S				S	S	S							
	UCD1-018	M	Q[1]	Q[1]			Q[1]		Q[1]	Q[1]	Q[1]	Q[1]	Q[1]	Q[1]			Q[1]			
	UCD1-019	M	S	S			S				S	S	S							
	UCD1-020	M	S	S			S				S	S	S							
	UCD1-021	M	S	S			S				S	S	S							
	UCD1-022	M	S	S			S				S	S	S							
	UCD1-023	M	S	S			S				S	S	S							
	UCD1-024	M	S	S			S				S	S	S							
	UCD1-025	M	Q[1]	Q[1]			Q[1]		Q[1]	Q[1]	Q[1]	Q[1]	Q[1]	Q[1]			Q[1]			
	UCD1-028	M	Q[1]	Q[1]			Q[1]		Q[1]	Q[1]	Q[1]	Q[1]	Q[1]	Q[1]			Q[1]			
	UCD1-049	M	S	S			Q[2]				S	S	S							
	UCD1-050	M	S	S			Q[2]				S	S	S							
	UCD1-051	M	S	S			Q[2]				S	S	S							
	TP-2-A,B,C	Q[2]	Q	Q			Q[2]				Q	Q	Q							
	TP-5-A,B,C	Q[2]	Q	Q			Q[2]				Q	Q	Q							
HSU-2	UCD2-007	M	S	S			S				S	S	S							
	UCD2-014	M	S	S			S				S	S	S							
	UCD2-015	M	S	S			S				S	S	S							
	UCD2-016	M	S	S			S				S	S	S							
	UCD2-017	M	S	S			S				S	S	S							
	UCD2-026	M	S	S			S				S	S	S							
	UCD2-029	M	S	S			Q				S	S	S							
	UCD2-030	M	S	S			M				S	S	S							
	UCD2-031	M	S	S			S				S	S	S							
	UCD2-032	M	S	S			S				S	S	S							
	UCD2-035	M	S	S			S				S	S	S							
	UCD2-036	M	S	S			S				S	S	S							
	UCD2-037	M	S	S			S				S	S	S							
	UCD2-038	M	S	S			S				S	S	S							
	UCD2-039	M	S	S			S				S	S	S							
	UCD2-040	M	S	S			Q				S	S	S							
	UCD2-045	M	S	S			S				S	S	S							
	UCD2-046	M	S	S			S				S	S	S							
	UCD2-048	M	S	S			Q[2]				S	S	S							
HSU-4	UCD4-041	M	S	S			S				S	S	S							
	UCD4-042	M	S	S			S				S	S	S							
	UCD4-043	M	S	S			S				S	S	S							
	UCD4-044	M	S	S			S				S	S	S							
	UCD4-047	M	S	S			S				S	S	S							
Storm-water	LF-1		WF	WF	WF	WF	WF	WF	WF	WF	WF	WF	WF		WF	WF			WF	
	LF-3		WF	WF	WF	WF	WF	WF	WF	WF	WF	WF	WF		WF	WF			WF	
	LS-1		WF	WF	WF	WF	WF	WF	WF		WF	WF			WF	WF		WF	WF	
Surface Water	STO		WF	WF	WF	WF	WF	WF	WF		WF	WF	WF							WF
	PCU		WF	WF	WF	WF	WF	WF	WF		WF	WF	WF							WF
	PCD		WF	WF	WF	WF	WF	WF	WF		WF	WF	WF							WF
Treatment System	Influent	M	M	M			M			M										
	Effluent	M					M*		M*		M*	M*	M*	M*			M*	M*		

Notes:

A = Sampled annually in spring Quarter
S = Sampled semiannually during spring and fall quarters
F = Sampled fall quarter
M = Sampled Monthly
W = Sampled winter quarter
* = During periods when the effluent is mixed with Berryessa water, effluent samples will include pre- and post-mixing
1 = Quarterly sampling conducted as part of LTPS monitoring
2 = Quarterly sampling conducted as part of DDC monitoring

Monthly groundwater elevations for wells UCD1-1, UCD1-3, UCD1-4, UCD1-5, UCD1-6, UCD1-8, UCD1-9, UCD1-19, UCD1-20, UCD1-21, UCD1-23, UCD1-24, and UCD1-34 will be collected

Table 7
Land Treatment System Pilot Study Water Monitoring Requirements
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

		Radiological Analytes		Chemical Analytes							
	Wells	Tritium	C-14	VOC	Metals1	TOC	Nitrates (as N)	Total Chromium	TDS	Alkalinity	Anions2
HSU-1	UCD1-011	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-018	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-025	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-27Z1	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-27Z2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-27Z3	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	UCD1-028	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

1 = Metals to include arsenic, barium, boron, cadmium, calcium, lead, magnesium, manganese, mercury, nickel, potassium, sodium, and zinc

2 = Anions to include chloride, phosphate, and sulfate

Q = Sampled quarterly

Table 8
Expanded DDC Pilot Test System - Chloroform Results
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Sampling Round	DDC-1A	DDC-1B	DDC-1C	DDC-2B	DDC-2C	DDC-3B	DDC-3C	DDC-4B	DDC-4C
Winter Quarter - 2/23/02	19.8	21.4	32.7	N/A	N/A	N/A	N/A	N/A	N/A
Spring Quarter - 5/16/02	12.3	14.2	19.8	N/A	N/A	N/A	N/A	N/A	N/A
BaseLine - 11/15/02	N/A	355	623	1450	1810	1260	1180	3720	5600
Week 1 - 12/5/02	N/A	26.2	64.8	36.9	55	36.6	54	137	146
Week 2 - 12/12/02	N/A	30.3	44.5	33.7	47.3	36.8	48.9	85.4	141
Week 3 - 12/19/02	N/A	35	54.2	32.8	36.6	12.4	53.1	90.9	91.1
Week 4 - 12/26/02	N/A	39.1	53	34.6	39.8	5.6	N/A	N/A	86.6

Table 8
Expanded DDC Pilot Test System - Chloroform Results
2002 Comprehensive Annual Water Monitoring Report
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Sampling Round	DDC-5B	DDC-5C	DDC-6B	DDC-6C	TP-1B	TP-1C	TP-2B	TP-2C	TP-3B
Winter Quarter - 2/23/02	N/A	N/A	N/A	N/A	139	3070	1320	4190	1000
Spring Quarter - 5/16/02	N/A	N/A	N/A	N/A	98.9	2120	1390	4160	606
BaseLine - 11/15/02	402	382	556	1250	53.2	2890	1000	1930	903
Week 1 - 12/5/02	12.5	50.7	29.3	108	N/A	N/A	N/A	N/A	N/A
Week 2 - 12/12/02	16.5	64	49.6	69.4	N/A	N/A	N/A	N/A	N/A
Week 3 - 12/19/02	26	161	67.4	116	N/A	N/A	N/A	N/A	N/A
Week 4 - 12/26/02	19.6	110	69.8	104	N/A	N/A	N/A	N/A	N/A

Table 8
Expanded DDC Pilot Test System - Chloroform Results
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Sampling Round	TP-3C	TP-4B	TP-4C	TP-5B	TP-5C
Winter Quarter - 2/23/02	4550	416	2680	550	3030
Spring Quarter - 5/16/02	2920	285	2280	383	3610
BaseLine - 11/15/02	4010	846	2360	1200	3330
Week 1 - 12/5/02	N/A	N/A	N/A	N/A	N/A
Week 2 - 12/12/02	N/A	N/A	N/A	N/A	N/A
Week 3 - 12/19/02	N/A	N/A	N/A	N/A	N/A
Week 4 - 12/26/02	N/A	N/A	N/A	N/A	N/A

Table 9
IRA Operations Summary - 2002
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Month	%IRA Uptime	Groundwater Extracted (gallons)	Chloroform Removed (kg)	LTPS Irrigation Flow (gal)	Berryessa Flow (gal)	Exceedances of Effluent Discharge Limits
Jan	35%	544,724	0.09	0	0	TDS, NO3
Feb	78%	2,516,876	0.46	0	0	TDS, NO3
Mar	92%	2,925,660	0.33	0	463,705	TDS
Apr	95%	3,319,827	0.38	0	183,202	TDS
May	94%	3,067,445	0.49	450	346,233	TDS
Jun	95%	2,809,088	0.54	13,905	233,719	TDS, chloroform
Jul	95%	3,320,687	0.47	890,655	311,568	TDS, chloroform, methylene chloride
Aug	99%	3,145,128	0.44	627,294	195,186	TDS
Sep	90%	2,983,863	0.37	360,043	64,376	None
Oct	84%	2,432,162	0.28	339,458	41,130	None
Nov	78%	1,478,467	0.25	66,150	129,558	None
Dec	100%	2,309,269	0.28	17,168	0	None

Ta. . 10
Mass Removal Tools
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Month	AVERAGE CHLOROFORM CONCENTRATION (µg/L)	AVERAGE CHLOROFORM CONCENTRATION (kg/L)	VOLUME OF EXTRACTED GROUNDWATER (gallons)	VOLUME OF EXTRACTED GROUNDWATER (liters)	MASS OF CHLOROFORM REMOVED* (kg)	MASS OF CHLOROFORM REMOVED* (pounds)
Apr-98	29.9	2.99E-08	375,250	1,420,321	0.04	0.09
May-98	35.2	3.52E-08	1,531,590	5,797,068	0.20	0.45
Jun-98	37.3	3.73E-08	3,865,155	14,629,612	0.55	1.20
Jul-98	68.0	6.80E-08	5,968,366	22,590,265	1.54	3.39
Aug-98	80.0	8.00E-08	7,564,438	28,631,398	2.29	5.05
Sep-98	52.0	5.20E-08	8,221,465	31,118,245	1.62	3.57
Oct-98	58.0	5.80E-08	4,261,762	16,130,769	0.94	2.06
Nov-98	34.0	3.40E-08	4,786,293	18,116,119	0.62	1.36
Dec-98	25.3	2.53E-08	5,397,711	20,430,336	0.52	1.14
1998	*46.6*		**41,972,030**	**158,864,134**	**8.31**	**18.31**
Jan-99	23.1	2.31E-08	4,942,820	18,708,574	0.43	0.95
Feb-99	19.7	1.97E-08	4,838,400	18,313,344	0.36	0.80
Mar-99	14.5	1.45E-08	4,645,800	17,584,353	0.25	0.56
Apr-99	15.1	1.51E-08	5,010,000	18,962,850	0.29	0.63
May-99	23.6	2.36E-08	5,683,950	21,513,751	0.51	1.12
Jun-99	59.5	5.95E-08	6,480,000	24,526,800	1.46	3.22
Jul-99	106	1.06E-07	7,073,410	26,772,857	2.84	6.26
Aug-99	61.7	6.17E-08	7,588,800	28,723,608	1.77	3.91
Sep-99	44.1	4.41E-08	4,976,641	18,836,586	0.83	1.83
Oct-99	35.6	3.56E-08	6,453,540	24,426,649	0.87	1.92
Nov-99	2.8	2.80E-09	7,252,200	27,449,577	0.08	0.17
Dec-99	20.1	2.01E-08	5,730,825	21,691,173	0.44	0.96
1999	*35.5*		**56,249,366**	**212,903,850**	**10.12**	**22.32**

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Mass Removal Tools
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Month	AVERAGE CHLOROFORM CONCENTRATION (µg/L)	AVERAGE CHLOROFORM CONCENTRATION (kg/L)	VOLUME OF EXTRACTED GROUNDWATER (gallons)	VOLUME OF EXTRACTED GROUNDWATER (liters)	MASS OF CHLOROFORM REMOVED* (kg)	MASS OF CHLOROFORM REMOVED* (pounds)
Jan-00	23.4	2.34E-08	5,200,800	19,685,028	0.46	1.02
Feb-00	23.8	2.38E-08	4,176,000	15,806,160	0.38	0.83
Mar-00	23.2	2.32E-08	2,394,000	9,061,290	0.21	0.46
Apr-00	29.2	2.92E-08	4,314,000	16,328,490	0.48	1.05
May-00	47.4	4.74E-08	4,741,200	17,945,442	0.85	1.88
Jun-00	67.5	6.75E-08	6,448,200	24,406,437	1.65	3.63
Jul-00	82.2	8.22E-08	7,197,300	27,241,781	2.24	4.94
Aug-00	70.9	7.09E-08	7,029,000	26,604,765	1.89	4.16
Sep-00	54.1	5.41E-08	5,406,000	20,461,710	1.11	2.44
Oct-00	53.7	5.37E-08	6,095,010	23,069,613	1.24	2.73
Nov-00	52.4	5.24E-08	2,226,850	8,428,627	0.44	0.97
Dec-00	38.4	3.84E-08	1,602,900	6,066,977	0.23	0.51
2000	*47.2*		**45,060,460**	**170,553,841**	**11.17**	**24.62**
Jan-01	50.2**	5.02E-08	449,313	1,700,650	0.09	0.19
Feb-01	50.2**	5.02E-08	162,940	616,728	0.03	0.07
Mar-01	50.2**	5.02E-08	62,700	237,320	0.01	0.03
Apr-01	50.2**	5.02E-08	263,634	997,855	0.05	0.11
May-01	50.2**	5.02E-08	797,451	3,018,352	0.15	0.33
Jun-01	50.2**	5.02E-08	709,686	2,686,162	0.13	0.30
Jul-01	50.2**	5.02E-08	40,060	151,627	0.01	0.02
Aug-01	62.0	6.20E-08	2,665,183	10,087,718	0.63	1.38
Sep-01	51.8	5.18E-08	895,401	3,389,093	0.18	0.39
Oct-01	41.6	4.16E-08	3,441,750	13,027,024	0.54	1.19
Nov-01	43.0	4.30E-08	2,750,430	10,410,378	0.45	0.99
Dec-01	44.1***	4.41E-08	294,673	1,115,337	0.05	0.11
2001	*49.5*		**11,858,268**	**44,883,544**	**2.31**	**5.10**

Ta. . 10
Mass Removal Tools
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Month	AVERAGE CHLOROFORM CONCENTRATION (µg/L)	AVERAGE CHLOROFORM CONCENTRATION (kg/L)	VOLUME OF EXTRACTED GROUNDWATER (gallons)	VOLUME OF EXTRACTED GROUNDWATER (liters)	MASS OF CHLOROFORM REMOVED* (kg)	MASS OF CHLOROFORM REMOVED* (pounds)
Jan-02	45.1	4.51E-08	544,724	2,061,780	0.09	0.20
Feb-02	48.0	4.80E-08	2,516,876	9,526,376	0.46	1.01
Mar-02	29.6	2.96E-08	2,925,660	11,073,623	0.33	0.72
Apr-02	29.9	2.99E-08	3,319,827	12,565,545	0.38	0.83
May-02	41.9	4.19E-08	3,067,445	11,610,279	0.49	1.07
Jun-02	50.4****	5.04E-08	2,809,088	10,632,398	0.54	1.18
Jul-02	37.3****	3.73E-08	3,320,687	12,568,800	0.47	1.03
Aug-02	36.8	3.68E-08	3,145,128	11,904,309	0.44	0.97
Sep-02	32.8	3.28E-08	2,983,863	11,293,921	0.37	0.82
Oct-02	30.0	3.00E-08	2,432,162	9,205,733	0.28	0.61
Nov-02	44.9	4.49E-08	1,478,467	5,595,998	0.25	0.55
Dec-02	31.5	3.15E-08	2,309,269	8,740,583	0.28	0.61
2002	*38.2*		**24,865,936**	**94,117,568**	**4.36**	**9.60**
		GRAND TOTAL	**180,006,060**	**681,322,937**	**36.27**	**79.95**

Notes:

Annual Average given in *Italics*

Totals given in **Bold**

* Mass Removed = Average Concentration x Volume of Extracted Groundwater

** Average Concentration calculated from Dec-00 and Aug-01

*** Average Concentration calculated from Nov-01 and Jan-02

**** Concentration represents the difference between the influent and effluent concentrations

Table 11
2002 Groundwater Elevation Data
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

HSU	Well	14-Jan-02	20-Feb-02	26-Mar-02	05-Apr-02	30-May-02	18-Jun-02	02-Jul-02	02-Aug-02	20-Sep-02	09-Oct-02	13-Nov-02	09-Dec-02
HSU-1	UCD1-001	10.75	12.87	14.3	14.59	5.42	0.6	-3.19	50.05	-4.44	-3.24	1.74	4.8
	UCD1-003	10.99	12.61	14.27	14.45	5.4	0.59	50.05	50.05	50.05	50.05	0.63	4.3
	UCD1-004	11.56	13.04	14.7	15.04	6.44	2.73	0.89	51.69	51.69	51.69	-0.16	3.38
	UCD1-005	10.87	12.73	14.39	14.56	5.64	0.92	0.53	48.44	48.44	48.44	0.58	4.04
	UCD1-006	10.92	12.85	14.53	14.74	5.67	1.26	50.94	50.94	50.94	50.94	50.94	4.59
	UCD1-008	10.51	12.44	14.02	14.32	5.29	0.47	51.51	51.51	51.51	51.51	0.6	4.1
	UCD1-009	10.5	12.37	13.96	14.14	2.95	51.38	51.38	51.38	51.38	51.38	51.38	4.32
	UCD1-010	10.63	12.28	13.71	13.75	3.12	-2.44	-6.93	-10.12	-5.29	-3.11	1.4	4.28
	UCD1-011	10.07	50.67	12.86	13.96	3.81	-1.26	-5.95	-9.66	-5.3	-3	1.35	4.41
	UCD1-012	10.51	12.35	14.93	14.12	5.2	-0.24	-3.82	-8.91	-5.04	-2.85	0.89	4.22
	UCD1-013	10.56	12.48	14.06	14.34	5.33	0.56	-2.13	-8.46	-4.86	-2.81	0.63	4.14
	UCD1-018	11.57	13.29	15.13	15.43	7.28	2.85	0.75	-6.11	-3.61	-1.49	1.42	5.12
	UCD1-019	10.33	12.42	14.04	14.14	4.81	-0.13	-4.1	-8.82	-4.87	-2.78	0.92	4.34
	UCD1-020	10.98	12.61	14.27	14.45	5.38	0.56	-1.91	-8.29	-4.64	-2.57	0.64	4.35
	UCD1-021	10.9	12.66	14.33	14.52	5.58	0.87	-1.29	-8.03	-4.5	-2.46	0.62	4.36
	UCD1-022	10.95	10.92	14.58	14.77	5.81	1.25	-1.45	-7.9	-4.4	-2.49	1.07	4.62
	UCD1-023	11.44	11.04	14.7	14.99	49.39	49.39	49.39	-6.65	-4.61	-3.09	-0.04	3.55
	UCD1-024	10.95	10.65	14.25	14.53	5.28	0.52	-2.69	-8.45	-4.65	-2.5	0.92	4.41
	UCD1-025	9.49	11.67	13.26	13.32	3.45	-2.35	-6.71	-10.27	-6.11	-3.67	0.83	3.78
	UCD1-028	9.85	11.76	13.32	13.28	2.95	-2.91	-8.06	-18.64	-6.09	-3.71	0.97	3.9
	UCD1-034	11.8	13.25	14.85	15.18	6.14	2.13	0.93	-7.31	-4.48	-3.05	0.52	5.02
	UCD1-049	--	--	--	--	--	--	--	--	--	--	0.94	4.15
	UCD1-050	--	--	--	--	--	--	--	--	--	--	0.85	4.11
	UCD1-051	--	--	--	--	--	--	--	--	--	--	0.89	4.13
HSU-2	UCD2-007	10.61	12.73	14.32	14.3	5.92	-0.97	-6.03	-9.47	-4.81	-2.35	2.22	4.99
	UCD2-014	10.53	13.59	14.16	14.18	3.69	-1.15	-6.33	-9.8	-5.6	-2.49	2.1	4.89
	UCD2-015	10.7	13	14.61	14.6	4.71	-0.11	-5.51	-8.85	-4.43	-2.07	2.63	5.33
	UCD2-016	10.75	12.87	14.45	14.51	4.39	-0.49	-5.56	-8.9	-4.45	-2.35	1.29	5.24
	UCD2-017	10.95	13.23	14.77	14.85	5.25	0.53	-5.03	-8.3	-3.92	-1.74	3.03	5.71
	UCD2-026	10.02	11.93	13.47	13.4	2.12	-2.73	-7.61	-10.99	-5.86	-3.42	1.41	4.16
	UCD2-029	9.98	11.8	13.3	13.23	1.7	-3.08	-7.32	-11.37	-6.05	-3.63	-0.73	4.15
	UCD2-030	9.82	11.78	13.46	13.22	1.52	-3.27	-8.1	-11.56	-6.72	-3.65	1.21	4.01
	UCD2-031	9.97	11.82	13.35	13.75	-0.29	-3.16	-7.98	-11.39	-6	-3.61	1.6	4.05
	UCD2-032	8.19	12.06	13.56	13.38	-9.65	-3.73	-8.43	-11.72	-6.01	-3.51	1.43	4.14
	UCD2-035	10.53	12.66	14.3	14.27	3.8	-1.03	-6.22	-9.7	-4.95	-3.14	2.25	3.97
	UCD2-036	10.66	12.77	14.4	14.27	3.97	-0.94	-5.97	-9.35	-4.72	-2.37	2.32	5.07
	UCD2-037	10.87	13.13	14.64	14.79	4.85	0.11	-5.3	-8.72	-4.15	-1.91	2.83	5.5
	UCD2-038	10.81	13.06	14.78	14.76	4.62	-0.06	0.63	-0.89	-4.24	-1.91	2.79	5.48
	UCD2-039	10.38	12.42	13.97	13.92	2.83	-2	-13.09	-10.4	-5.33	-2.89	1.89	4.33
	UCD2-040	9.8	11.67	13.2	13.08	1.12	-3.65	-8.45	-11.83	-6.29	-3.83	1.13	3.87
	UCD2-045	9.76	11.72	13.23	12.99	-0.76	-4.89	-9.5	-13.28	-6.64	-4.07	1.08	3.81
	UCD2-046	6.29	41.79	9.78	9.21	-5.41	-12.5	-17.04	-18.82	-9.49	-7.66	-2.31	0.46
	UCD2-048	--	--	--	--	--	--	--	--	--	--	2.1	4.71
HSU-4	UCD4-041	8.97	9.39	12.9	11.42	-7.61	-18.59	-27.37	-24.2	-11.82	-6.91	0.95	3.88
	UCD4-042	9.32	11.73	13.23	11.71	2.84	-18.8	-27.16	-24.28	-11.41	-6.72	1.22	4.14
	UCD4-043	9.26	11.69	13.15	11.48	-8.35	-20.01	-28.07	-25.46	-11.75	-7.91	1.16	4.05
	UCD4-044	8.95	11.43	12.95	11.52	0.56	-17.65	-27.48	-23.61	-11.27	-6.79	-1.01	3.76
	UCD4-047	8.73	11.06	12.48	10.68	-12.02	-24.54	-31.54	-29.66	-13.21	-8.35	0.42	3.3
IRA System	EW2-01	10.22	11.74	11.25	13.25	1.52	-3.19	-7.9	-31.46	-5.97	-3.57	1.37	4.05
	IW2-01	11.76	25.32	37.89	31.11	35.24	36.57	-5.35	-8.73	28.96	30.17	34.4	6.71

Note: UCD1-049, UCD1-050, UCD1-051, and UCD2-048 not constructed until November, 2002.

All elevations recorded as feet above mean sea level (MSL)

Table 12
Vertical Gradient between Select HSU-1/HSU-2 and HSU-2/HSU-4 Wells
2002 Comprehensive Annual Water Monitoring Report
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Davis, California

Measuring Date	UCD1-021and UCD2-007	UCD1-028 and UCD2-029	UCD1-013 and UCD2-014	UCD2-029 and UCD4-044	UCD2-040 and UCD4-041	UCD2-032 and UCD4-042
January 14, 2002	0.0129	-0.0048	0.0013	0.0061	0.0049	-0.0069
February 20, 2002	-0.0031	-0.0015	-0.0489	0.0022	0.0134	0.0020
March 26, 2002	0.0004	0.0007	-0.0044	0.0021	0.0018	0.0020
April 5, 2002	0.0098	0.0019	0.0070	0.0101	0.0097	0.0102
May 30, 2002	-0.0152	0.0463	0.0722	0.0067	0.0512	-0.0764
June 18, 2002	0.0821	0.0063	0.0753	0.0862	0.0876	0.0921
July 2, 2002	0.2116	-0.0274	0.1850	0.1193	0.1110	0.1145
August 2, 2002	0.0643	-0.2693	0.0590	0.0724	0.0726	0.0768
September 20, 2002	0.0138	-0.0015	0.0326	0.0309	0.0324	0.0330
October 9, 2002	-0.0049	-0.0030	-0.0141	0.0187	0.0181	0.0196
November 13, 2002	-0.0714	0.0630	-0.0648	0.0017	0.0011	0.0013
December 9, 2002	-0.0281	-0.0093	-0.0330	0.0023	-0.0001	0.0000
Difference of Screens	22.4	27	22.7	169	170.5	163.58

Vertical Gradient = feet/foot

Table 13
Statistics for Detected COCs in Surface Water (1997 - 2002)
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

Analyte	Sample Location	Units	No. of Samples Analyzed	No. of Samples Detected	Average	Minimum	Maximum
Volatile Organic Compounds							
ACETONE	PCD	UG/L	34	9	4.35	0.8	18
	PCU	UG/L	33	7	4.38	0.58	20
	STPO	UG/L	33	12	5.12	1	36
BROMODICHLOROMETHANE	PCD	UG/L	47	11	1.29	0.1	5.8
	PCU	UG/L	47	1	1.31	0.5	7.1
	STPO	UG/L	51	28	3.25	0.5	19
BROMOFORM	PCD	UG/L	47	1	1.85	0.5	4.7
	PCU	UG/L	47		1.95	0.5	4.7
	STPO	UG/L	51	10	2.40	0.27	4.7
CHLOROFORM	PCD	UG/L	47	24	2.30	0.16	14
	PCU	UG/L	47	6	1.59	0.5	19
	STPO	UG/L	51	49	6.42	0.23	33
DIBROMOCHLOROMETHANE	PCD	UG/L	47	7	1.34	0.06	3.4
	PCU	UG/L	47	1	1.47	0.5	3.1
	STPO	UG/L	51	15	2.88	0.27	18
ETHYL ETHER	STPO	UG/L	1	1	1.30	1.3	1.3
TOLUENE	PCD	UG/L	47	3	2.19	0.1	6
	PCU	UG/L	47	2	2.31	0.1	6
	STPO	UG/L	51	3	2.63	0.16	6
Metals							
CHROMIUM, HEXAVALENT	PCD	UG/L	41	6	9.61	0.003	42
	PCU	UG/L	40	10	8.60	0.003	43
	STPO	UG/L	46	13	9.33	0.003	45
General Chemistry							
NITROGEN, NITRATE	PCD	MG/L	46	46	2.30	0.119	5.7
	PCU	MG/L	45	38	1.78	0.078	7.3
	STPO	MG/L	50	50	6.57	0.89	11.9
TOTAL DISSOLVED SOLIDS	PCD	MG/L	47	47	335	170	644
	PCU	MG/L	47	47	310	146	646
	STPO	MG/L	51	51	583	463	700
Radiochemistry							
CARBON-14	PCD	PCI/L	34	4	8.70	-36	68
	PCU	PCI/L	25	4	8.66	-39	122
	STPO	PCI/L	27	2	12.5	-20	65
TRITIUM	PCD	PCI/L	47	10	264	-224	2030
	PCU	PCI/L	46	3	175	-287	1341
	STPO	PCI/L	51	6	217	-287	1724

Table 14
Statistics for Detected COCs in Stormwater (1997 - 2002)
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS Environmental Restoration
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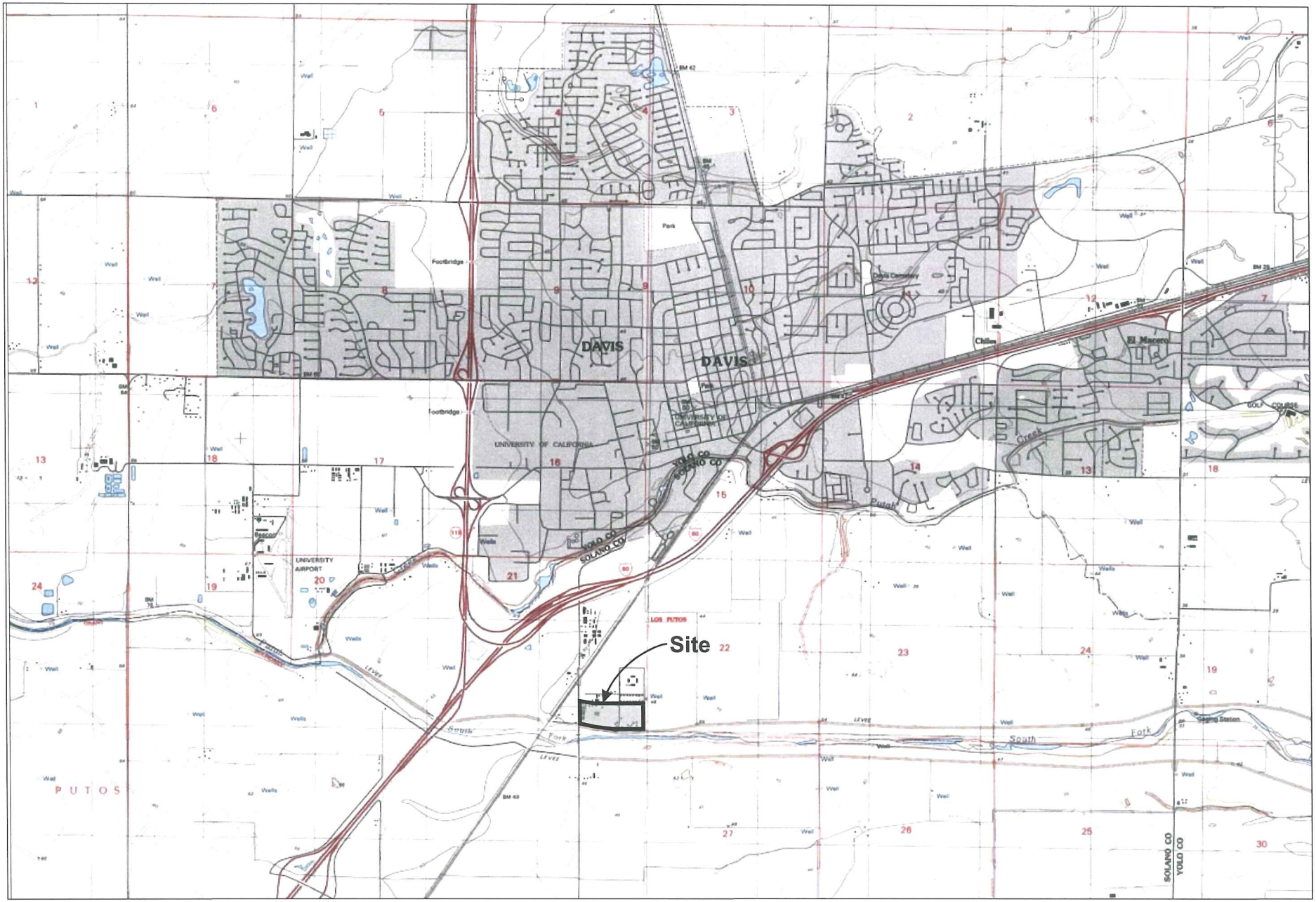
Analyte	Sample Location	Units	No. of Samples Analyzed	No. of Samples Detected	Average	Minimum	Maximum
Volatile Organic Compounds							
1,1-DICHLOROETHENE	LF-01	UG/L	13	3	0.58	0.34	1
	LF-03	UG/L	12	1	0.64	0.22	1
	LS-01	UG/L	9		3.56	0	10
2-BUTANONE	LF-01	UG/L	13	5	1.53	0.5	5
	LF-03	UG/L	12	5	1.82	0.51	5
	LS-01	UG/L	10	2	2.91	0	10
2-HEXANONE	LF-01	UG/L	13	1	1.62	1	5
	LF-03	UG/L	12		2.33	1	5
	LS-01	UG/L	10	1	4.08	0	10
4-METHYL-2-PENTANONE	LF-01	UG/L	13	1	1.64	1	5
	LF-03	UG/L	12		2.33	1	5
	LS-01	UG/L	10	1	4.09	0	10
ACETONE	LF-01	UG/L	13	7	3.68	0.72	7.5
	LF-03	UG/L	12	3	4.49	0.72	8.9
	LS-01	UG/L	7	4	8.74	4.6	16.9
METHYLENE CHLORIDE	LF-01	UG/L	13		1.09	0.5	2
	LF-03	UG/L	12		1.23	0.5	2
	LS-01	UG/L	10	3	1.69	0	5
TETRACHLOROETHENE	LF-01	UG/L	13	1	0.58	0.5	1
	LF-03	UG/L	12		0.67	0.5	1
	LS-01	UG/L	10		3.20	0	10
TOLUENE	LF-01	UG/L	13	1	0.59	0.5	1
	LF-03	UG/L	12		0.63	0.1	1
	LS-01	UG/L	9	3	4.59	0	16
Metals							
CHROMIUM	LF-01	UG/L	15	12	23.5	0.5	79.9
	LF-03	UG/L	14	12	30.2	1.7	211
	LS-01	UG/L	10	5	8.64	0	62.6
CHROMIUM, HEXAVALENT	LF-01	UG/L	6	1	7.00	0.01	19
	LF-03	UG/L	5	1	4.61	0.007	10
	LS-01	UG/L	11	2	3.92	0	23
General Chemistry							
NITROGEN, NITRATE	LF-01	MG/L	12	12	1.11	0.234	2.15
	LF-03	MG/L	9	9	1.46	0.258	5.09
	LS-01	MG/L	7	7	0.45	0.104	0.89
TOTAL DISSOLVED SOLIDS	LF-01	MG/L	13	13	75.6	25	160
	LF-03	MG/L	12	12	185	75	350
	LS-01	MG/L	6	6	49.5	12	78
Radiochemistry							
CARBON-14	LF-01	PCI/L	13	3	5.08	-7.14	60
	LF-03	PCI/L	12	4	4.09	-21	64
	LS-01	PCI/L	7		3.14	-1.82	10.6
TRITIUM	LF-01	PCI/L	13	2	-30.2	-300	282
	LF-03	PCI/L	12	2	-76.6	-320	110
	LS-01	PCI/L	7	1	15.7	-223	568

FIGURES



NORTH

0 2000 4000

Scale in Feet

Source: TOPO! 2001, National Geographic

SITE VICINITY MAP

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California

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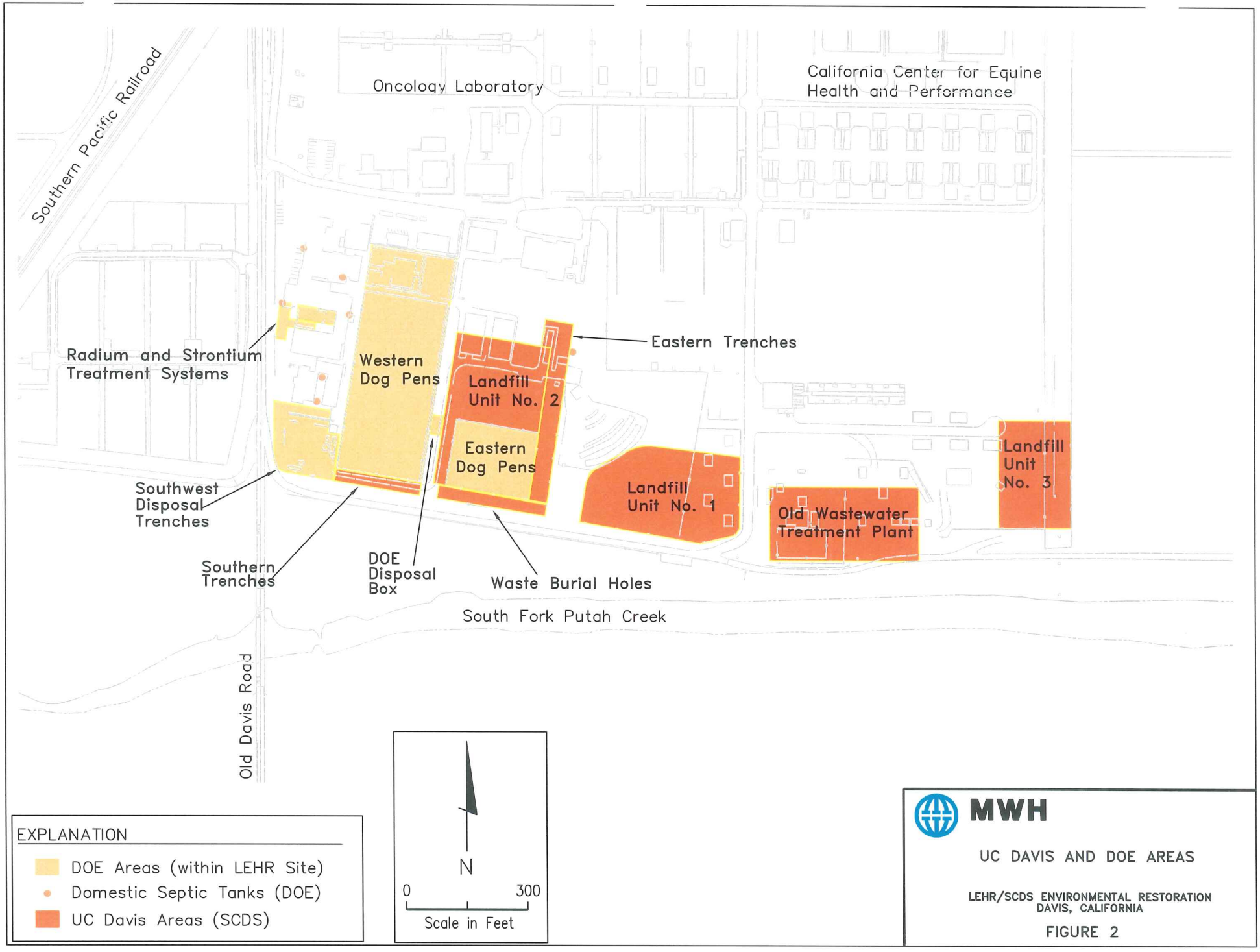
FIGURE 1



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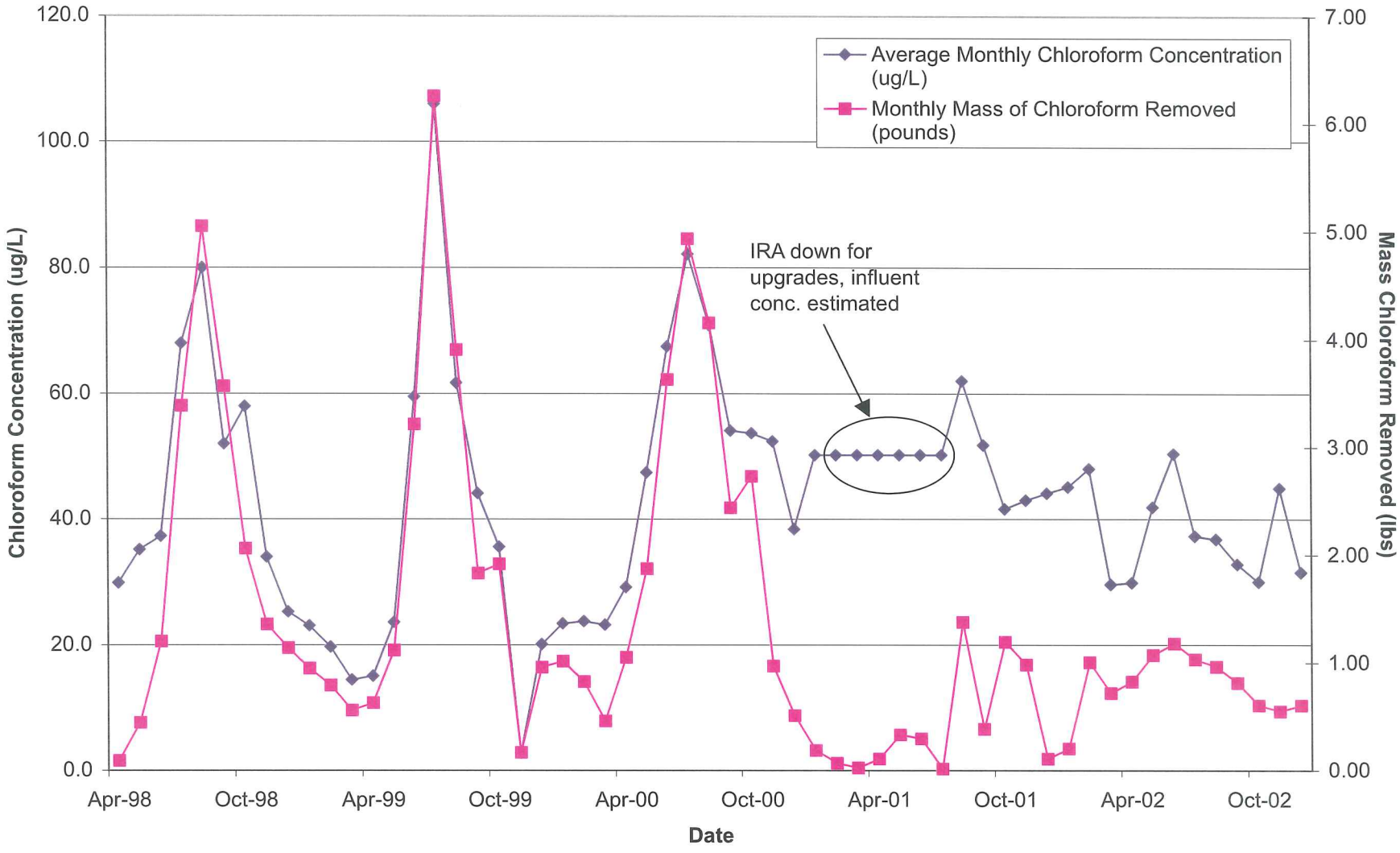

MONTHLY CHLOROFORM INFLUENT CONCENTRATION AND MASS REMOVED OVER TIME

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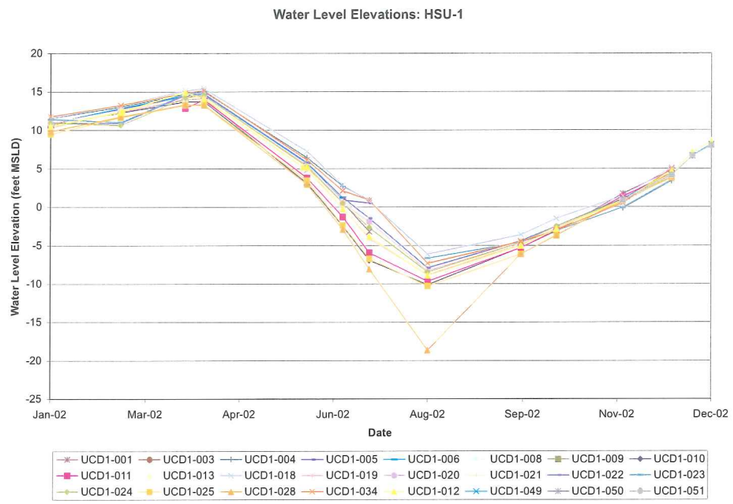
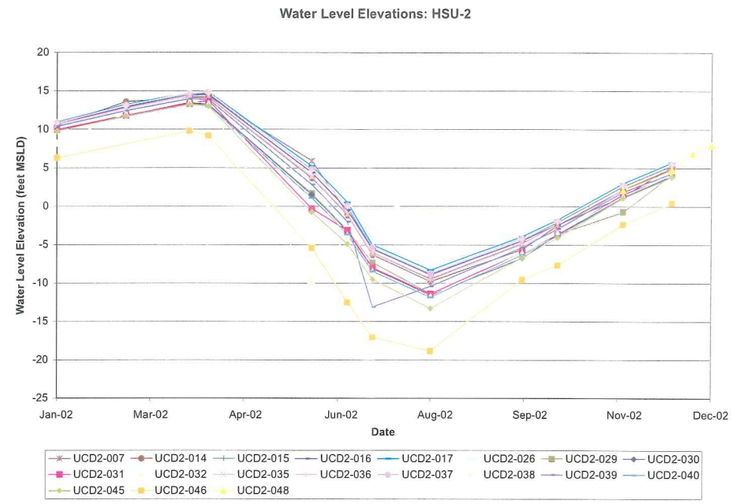
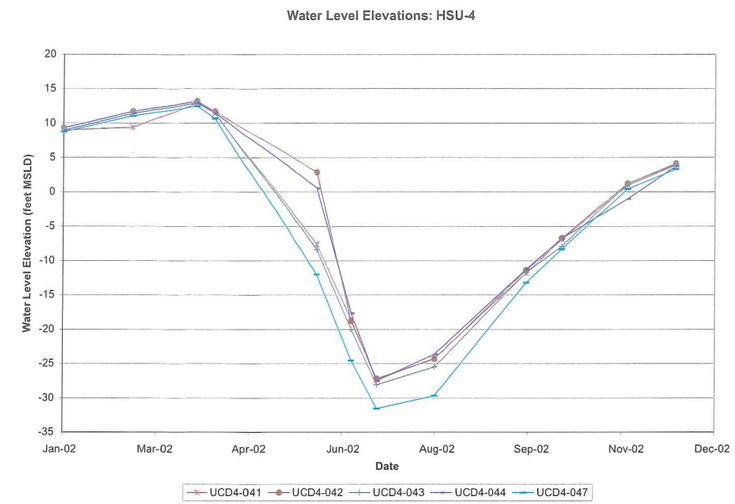
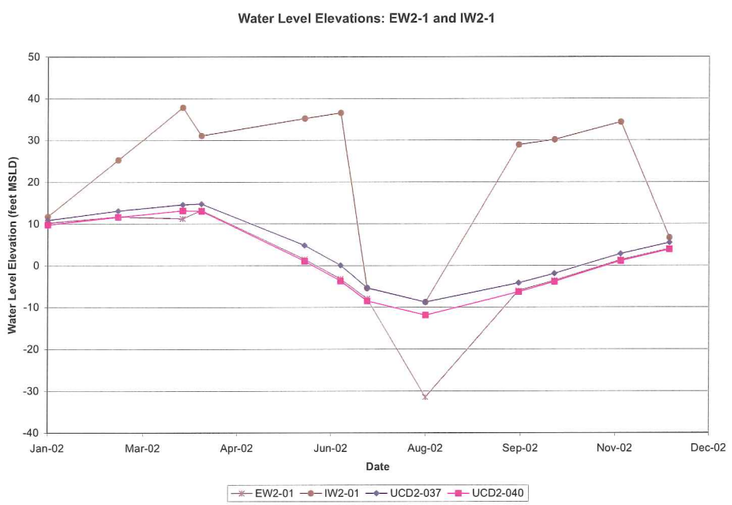
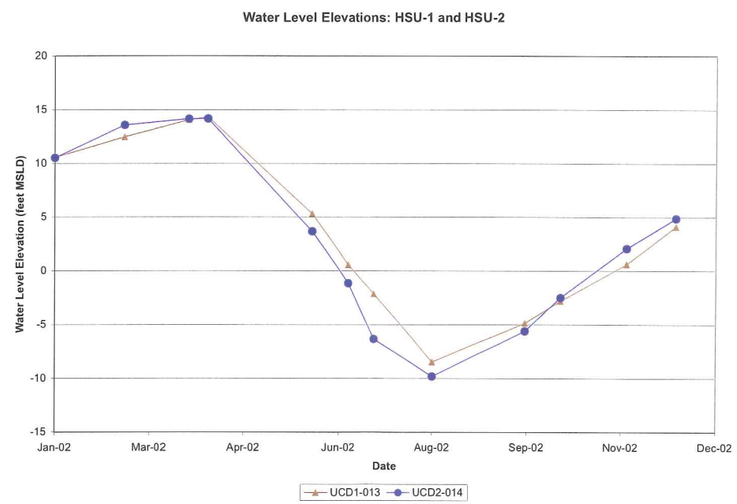
Davis, California

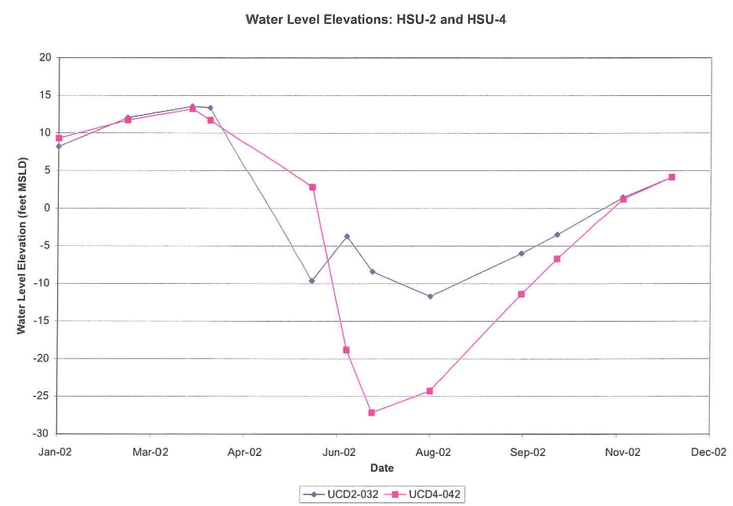












GROUNDWATER ELEVATION GRAPHS

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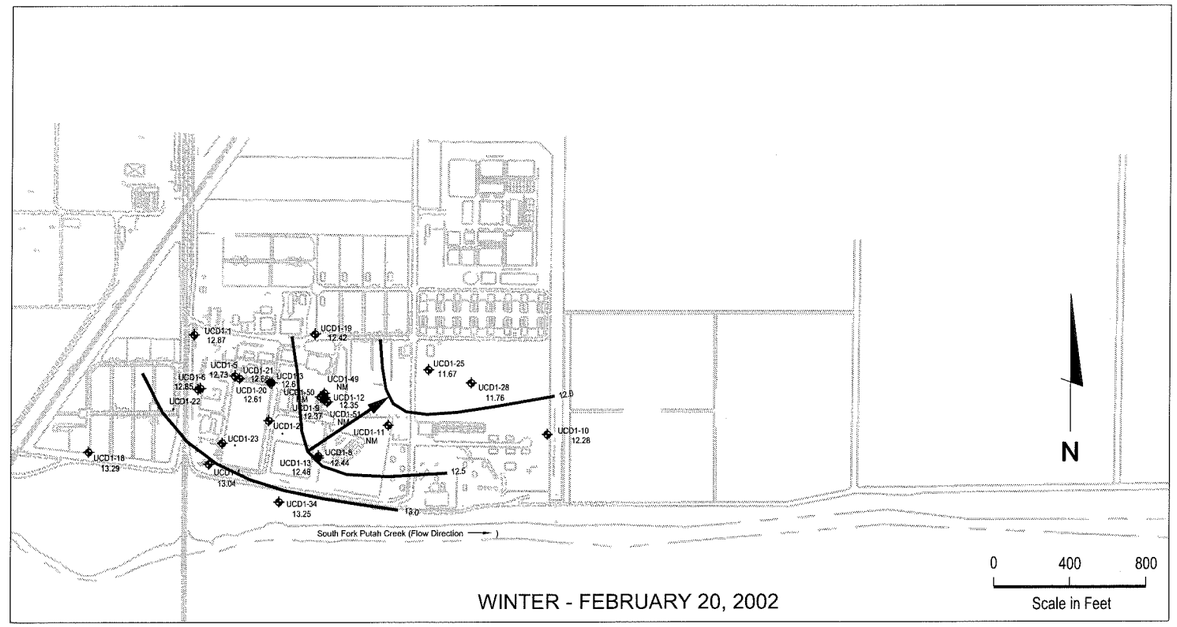
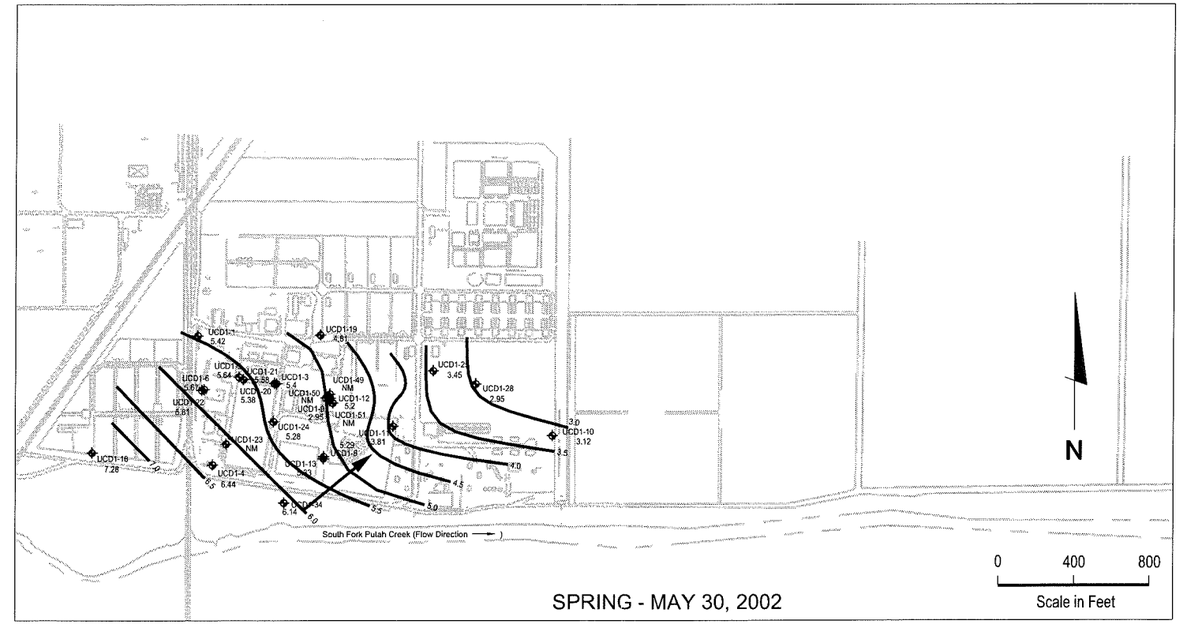
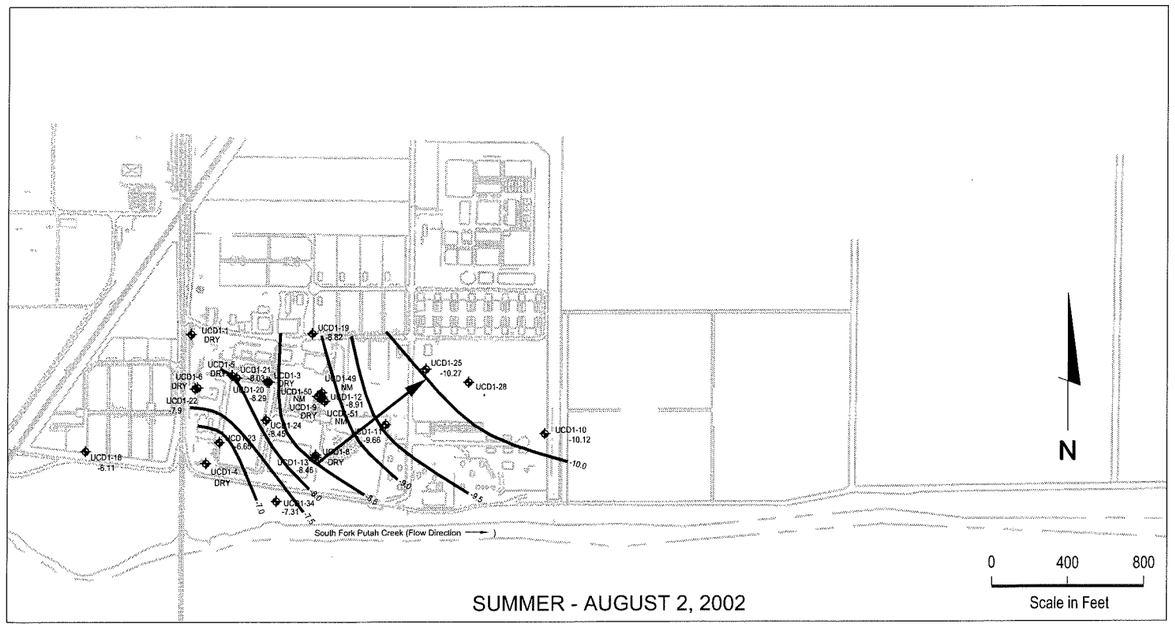


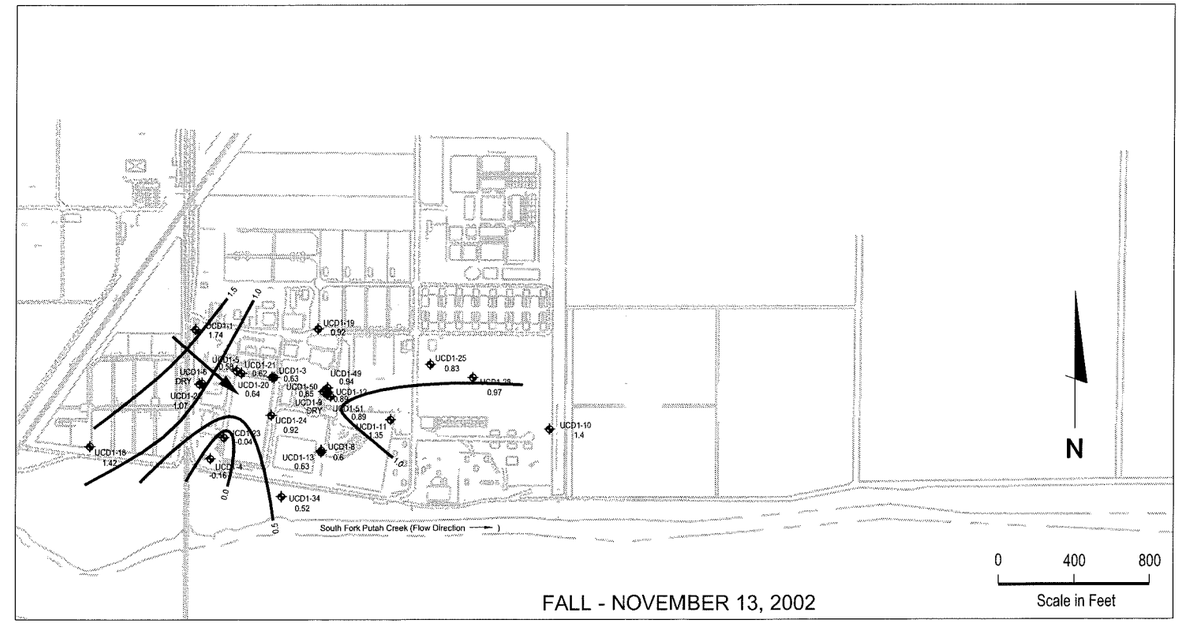
WINTER - FEBRUARY 20, 2002



SPRING - MAY 30, 2002



SUMMER - AUGUST 2, 2002



FALL - NOVEMBER 13, 2002

EXPLANATION

UCD1-11 HSU-1 Monitoring Well

9.39 Groundwater Elevation Above Mean Sea Level

Groundwater Contour Line, Contour Interval = 0.5

Approximate Groundwater Flow Direction

Source: URS

* Water level appears to be erroneous and was not used to estimate contours.

GROUNDWATER ELEVATION CONTOUR MAP - HSU-1

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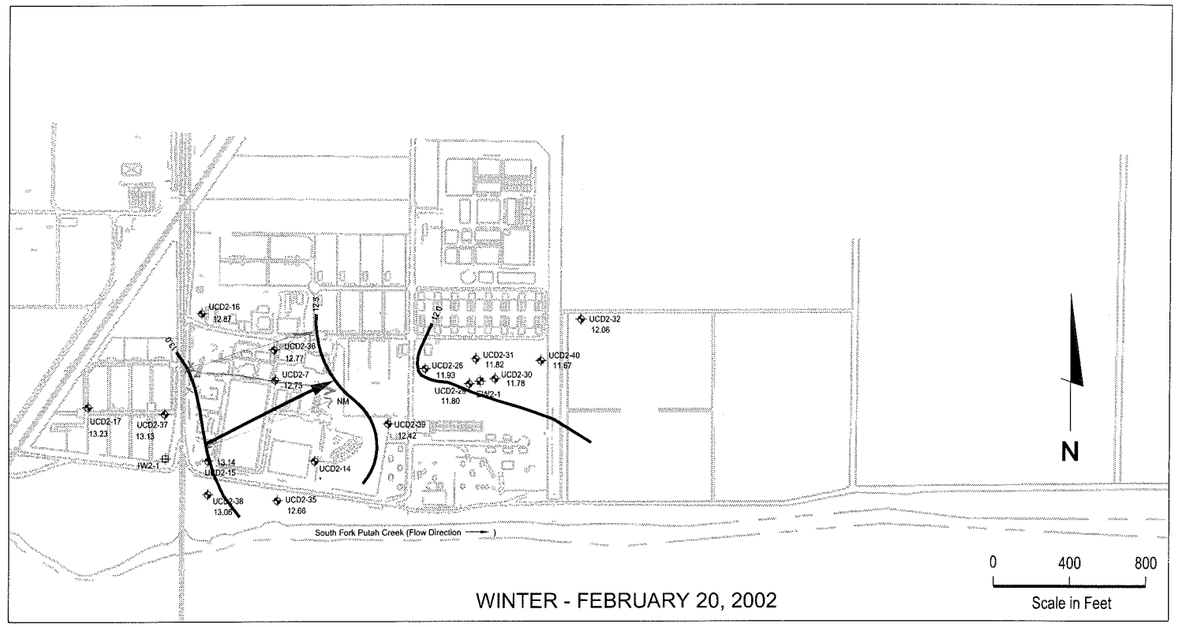
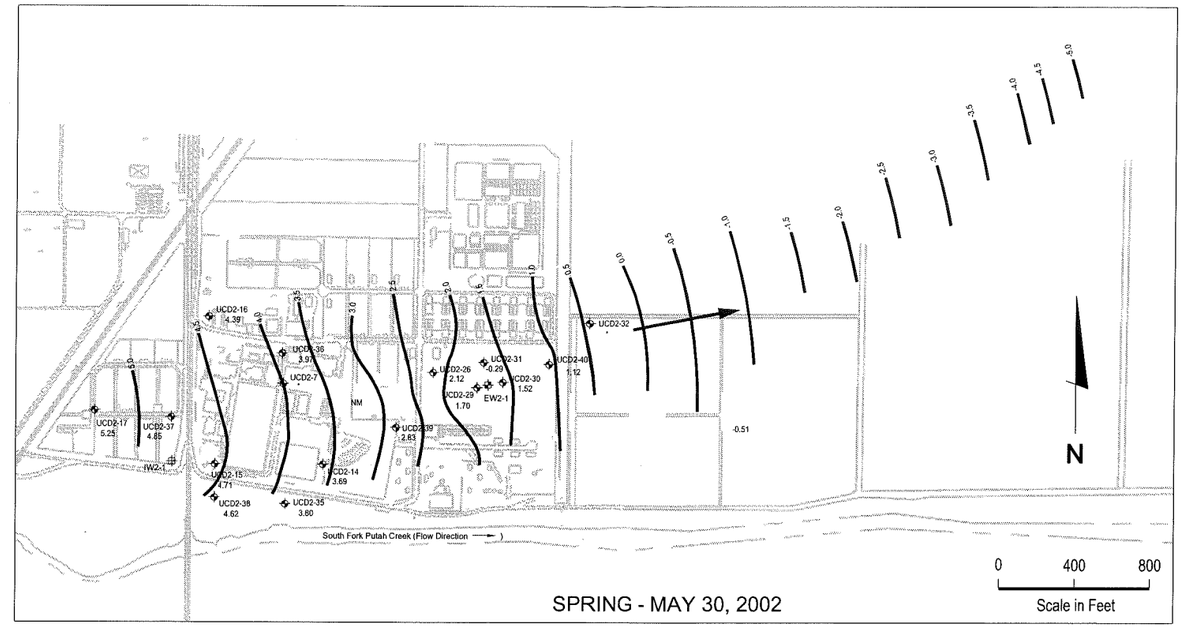
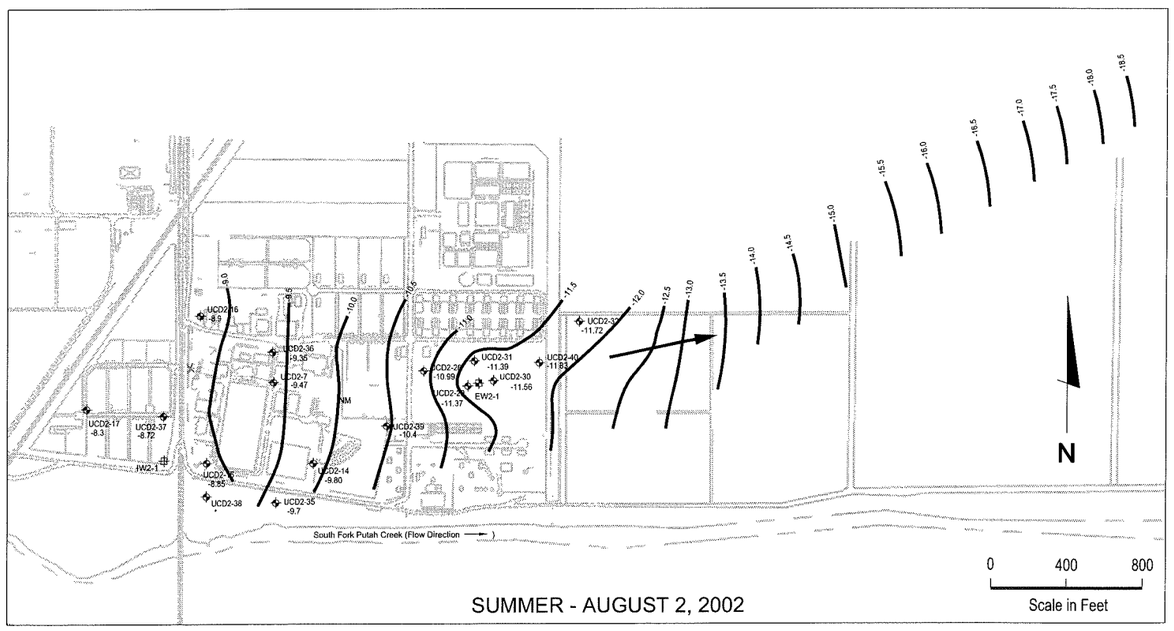
FIGURE 8



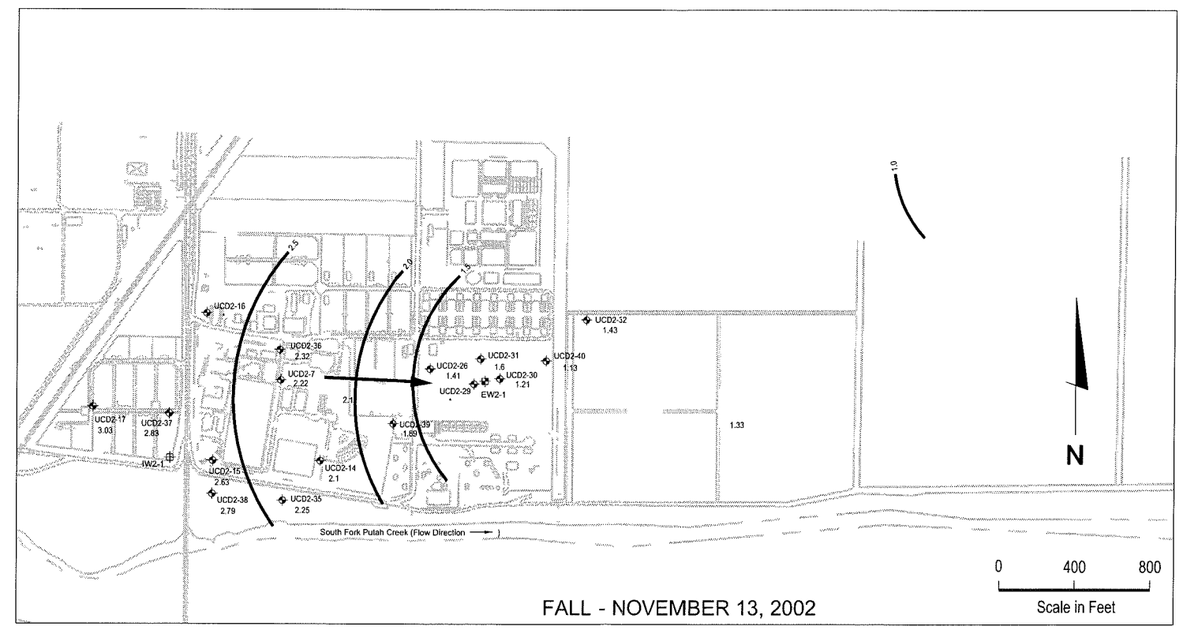
WINTER - FEBRUARY 20, 2002



SPRING - MAY 30, 2002



SUMMER - AUGUST 2, 2002



FALL - NOVEMBER 13, 2002

EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well
- 9.39 Groundwater Elevation Above Mean Sea Level
- Groundwater Contour Line, Contour Interval = 0.5
- Approximate Groundwater Flow Direction

Source: URS

* Water level appears to be erroneous and was not used to estimate contours.

GROUNDWATER ELEVATION CONTOUR MAP - HSU-2

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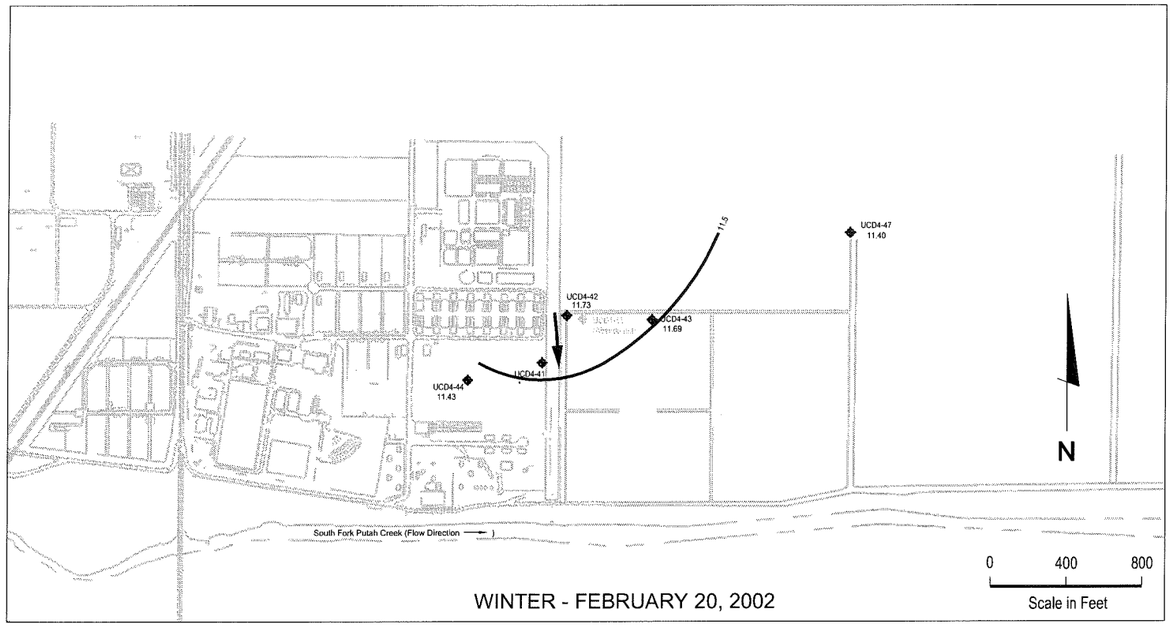
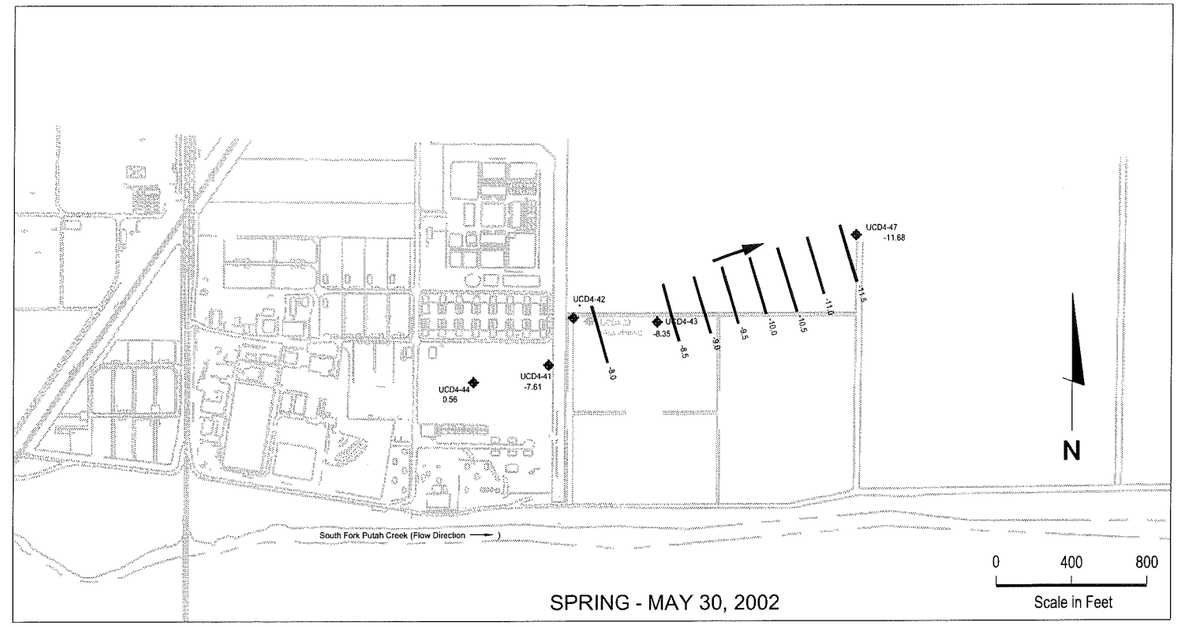
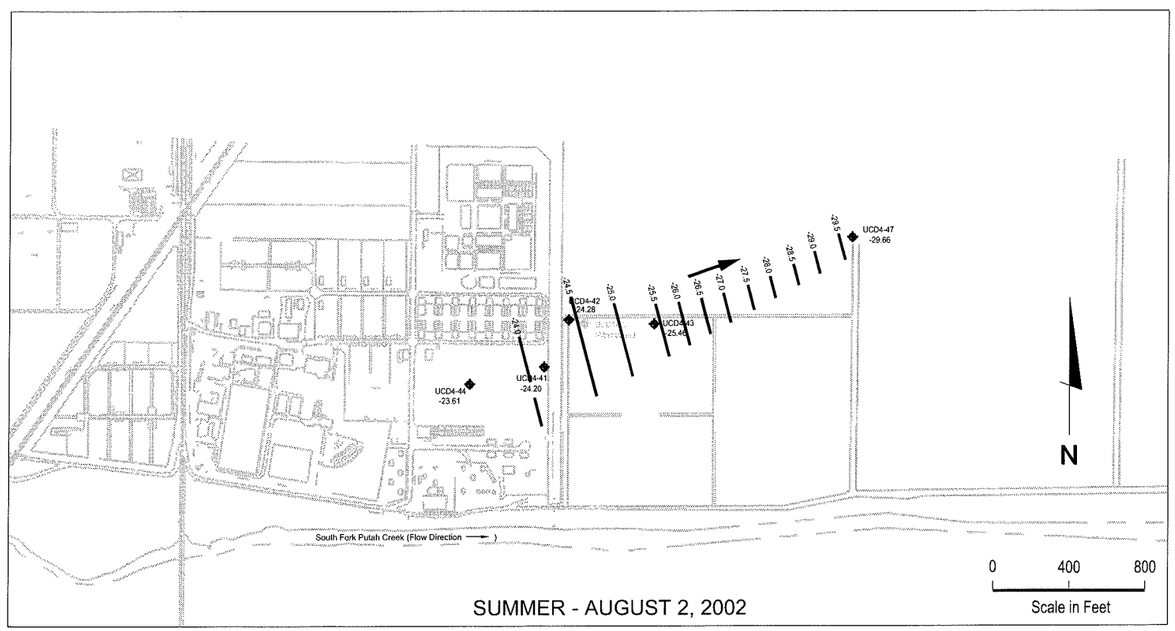
FIGURE 9



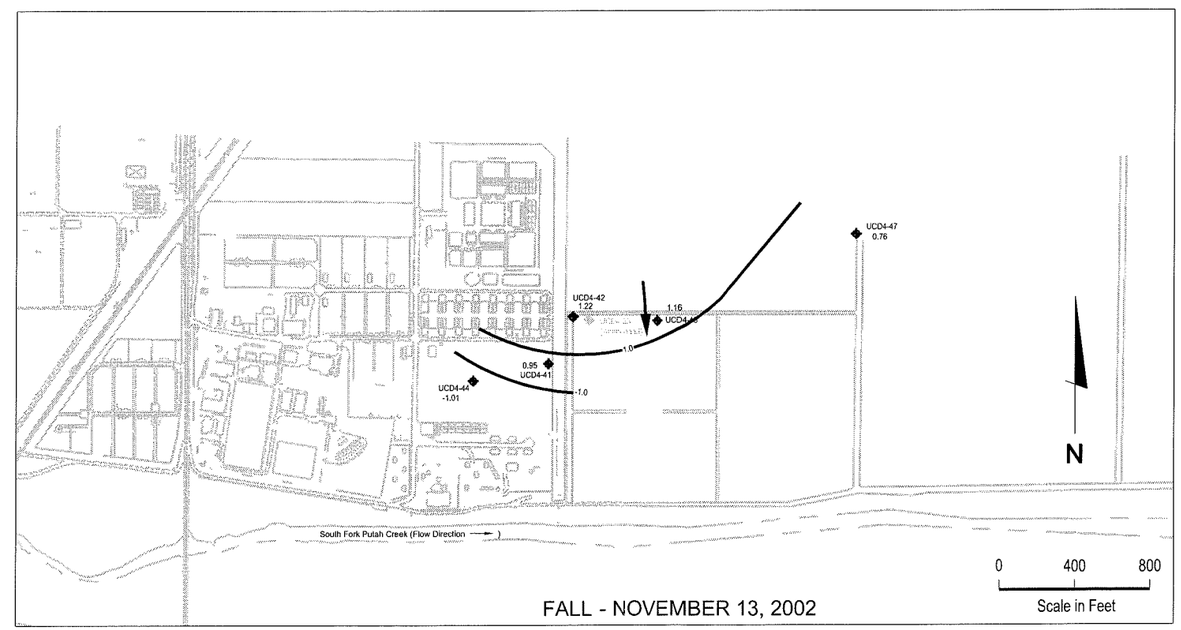
WINTER - FEBRUARY 20, 2002



SPRING - MAY 30, 2002



SUMMER - AUGUST 2, 2002



FALL - NOVEMBER 13, 2002

EXPLANATION

UCD4-44 HSU-4 Monitoring Well

9.39 Groundwater Elevation Above Mean Sea Level

Groundwater Contour Line, Contour Interval = 0.5

Approximate Groundwater Flow Direction

* Water level appears to be erroneus and was not used to estimate contours

Source: URS

GROUNDWATER ELEVATION CONTOUR MAP - HSU-4

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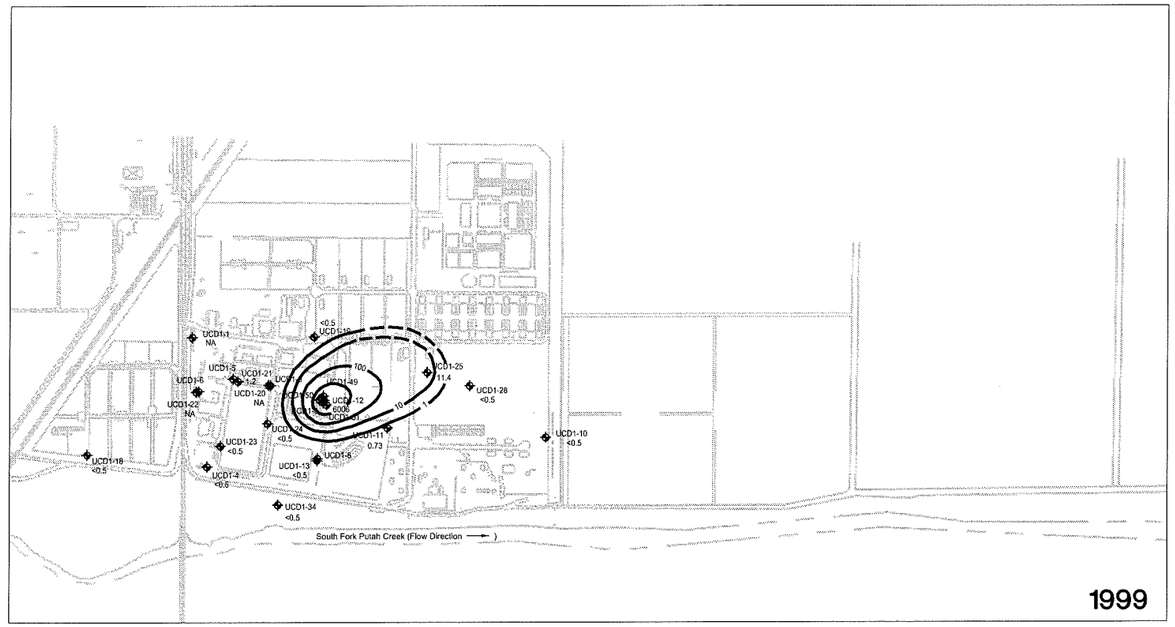
FIGURE 10



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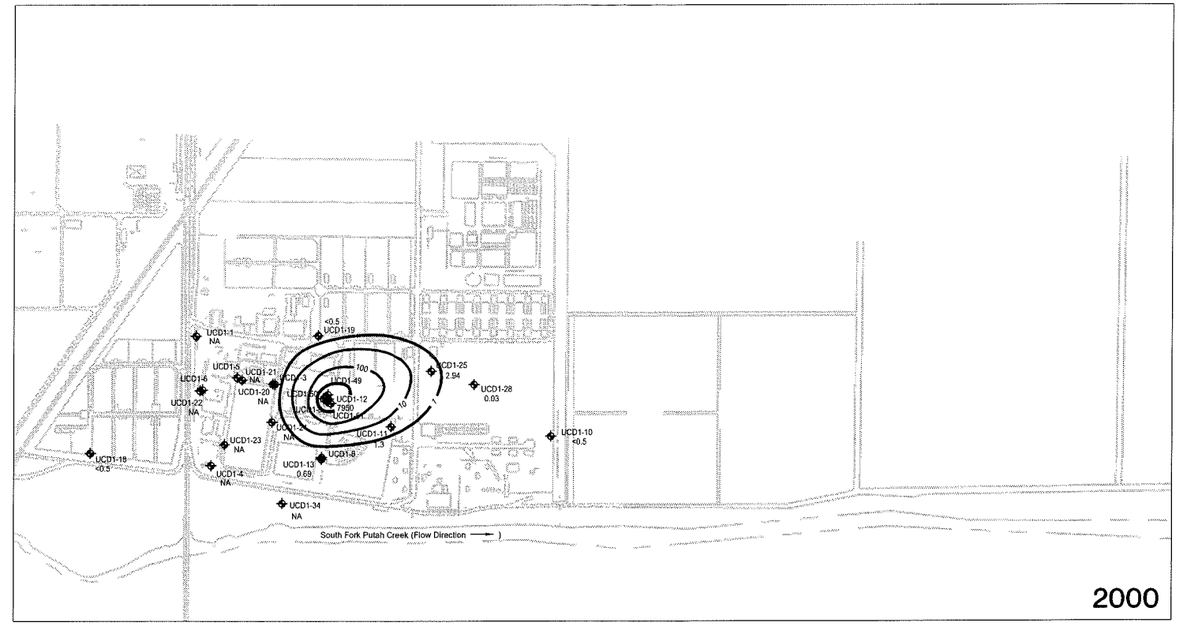
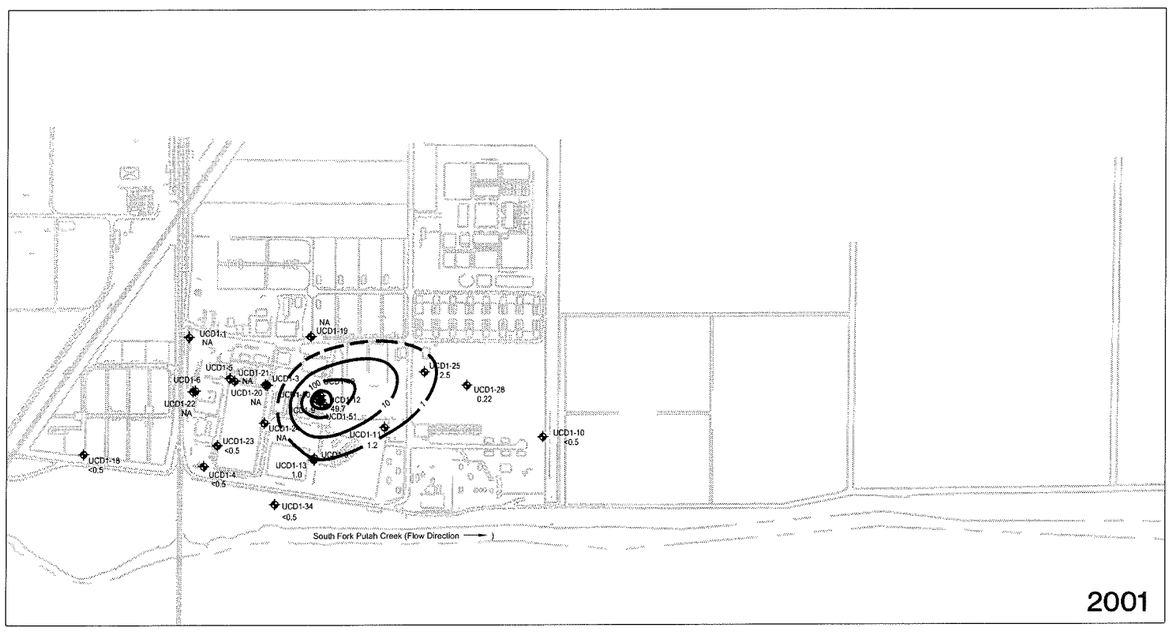


2000



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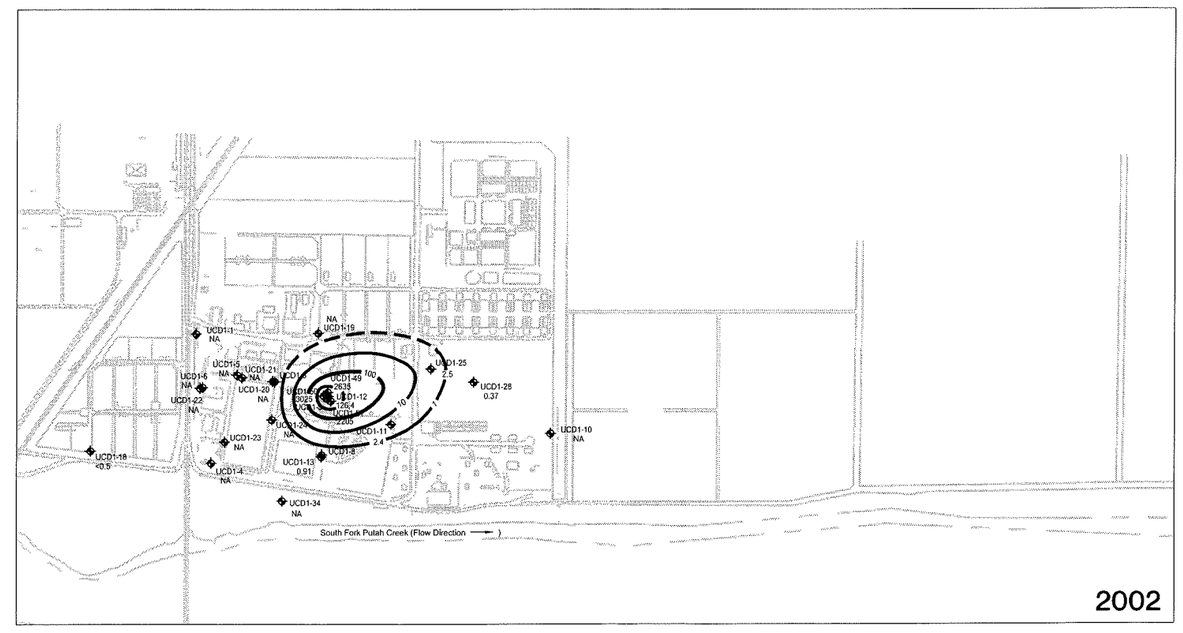

2002

EXPLANATION

UCD1-11 HSU-1 Monitoring Well

<0.5 Result is less than the CRDL

NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in ug/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

CHLOROFORM ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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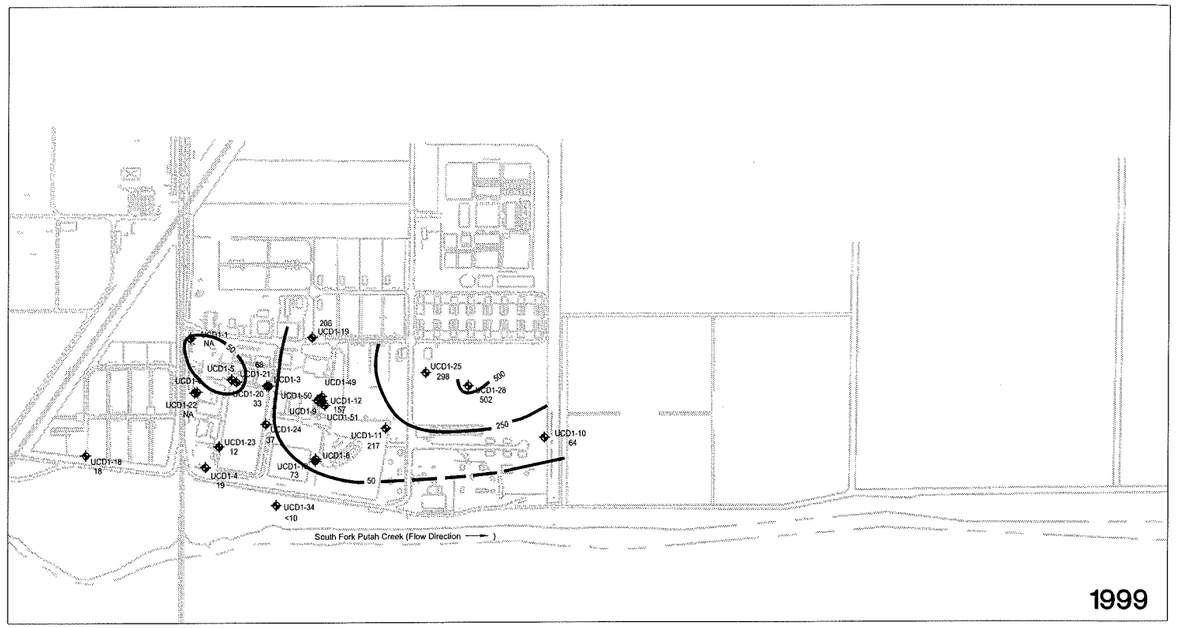
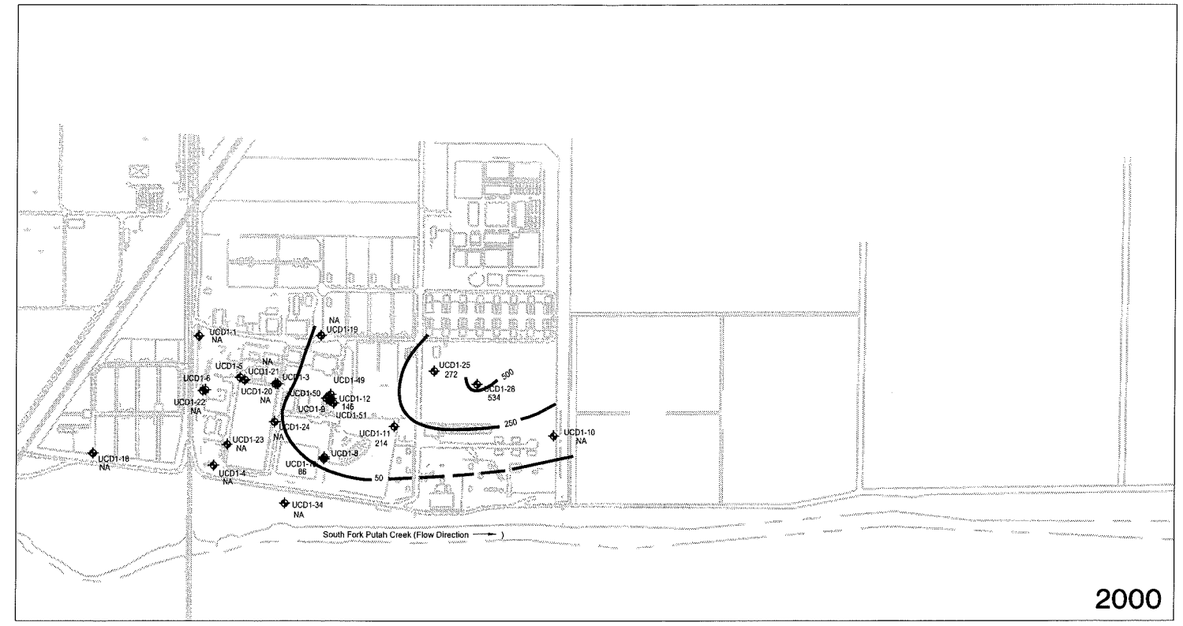
FIGURE 11



1999



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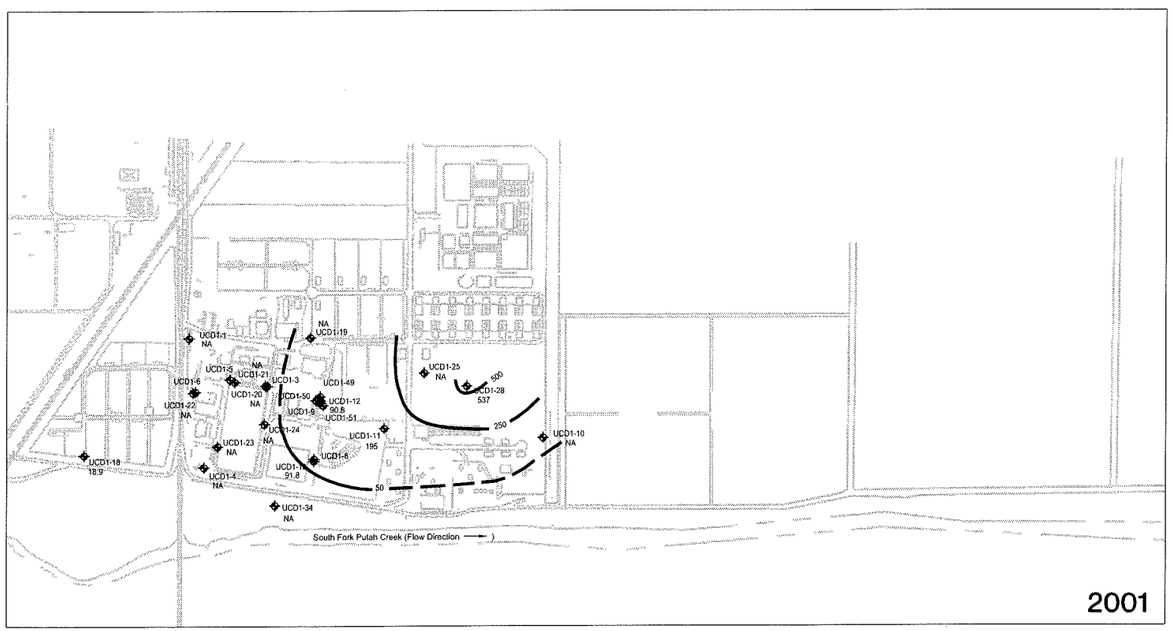

2001

2002

EXPLANATION

UCD1-11 HSU-1 Monitoring Well

<300 Result is Less Than CRDL

NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in ug/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

CHROMIUM ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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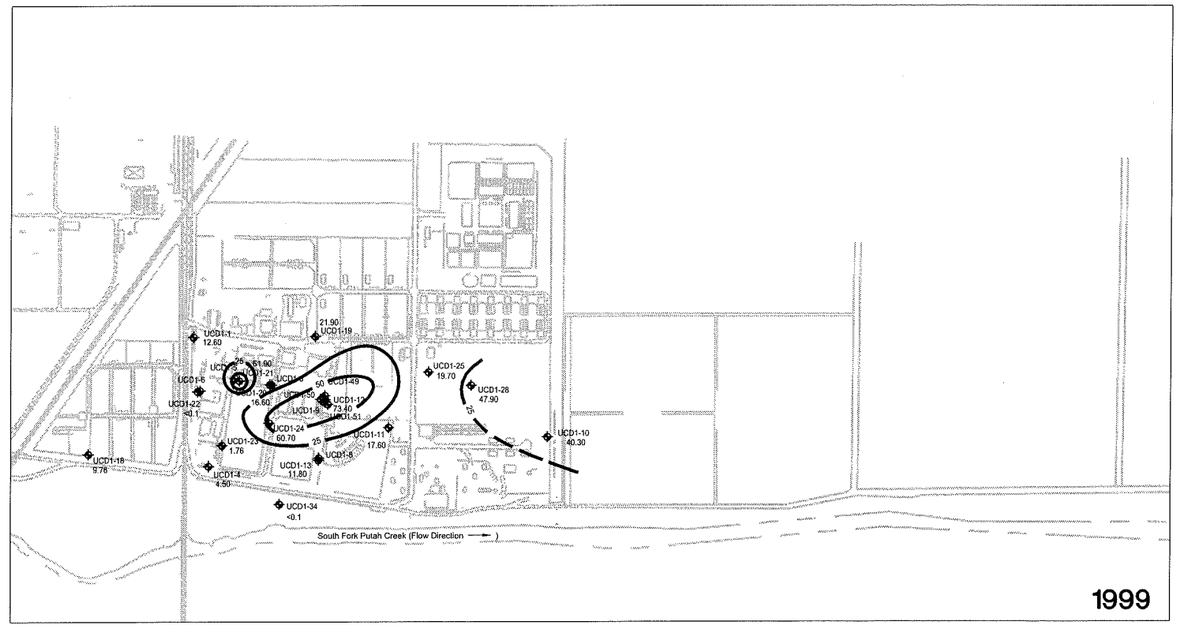
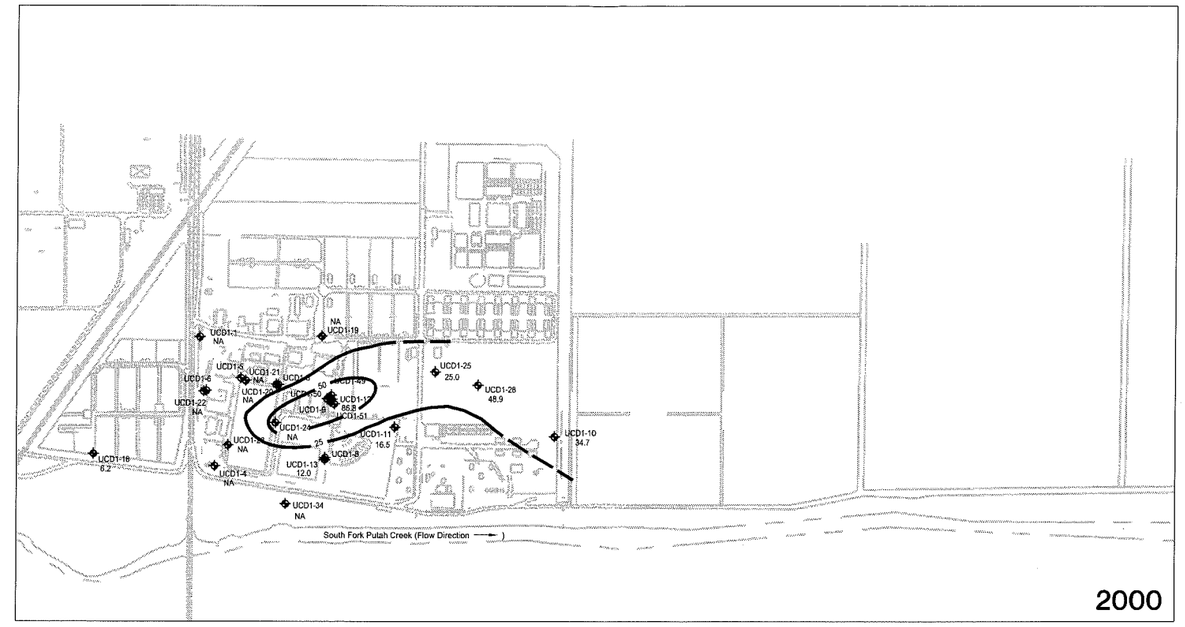
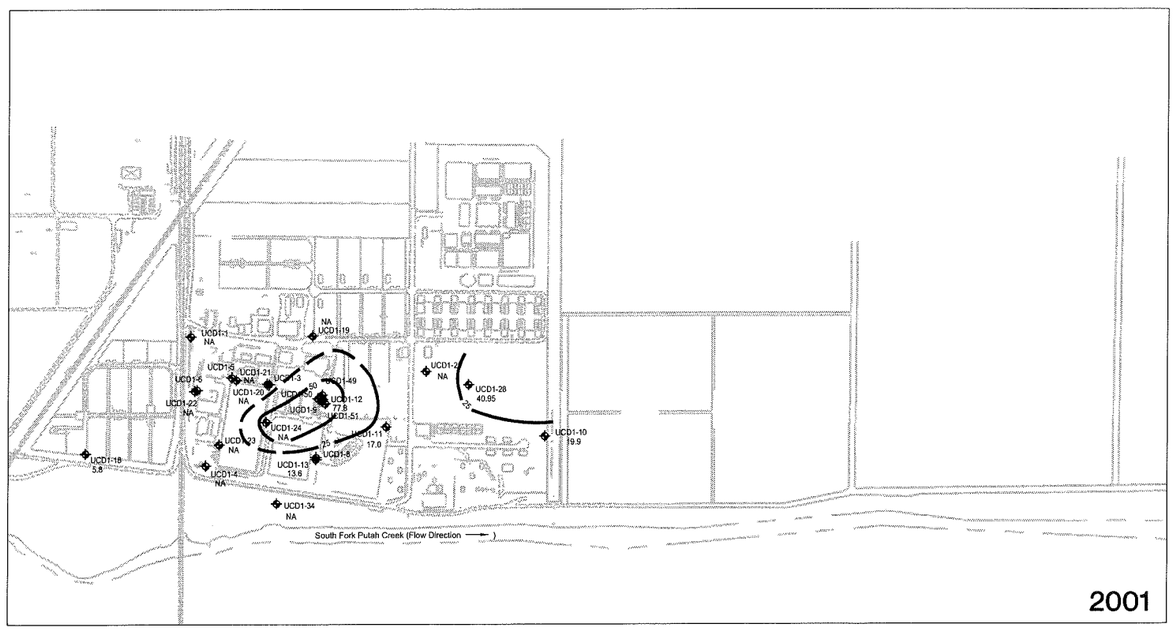
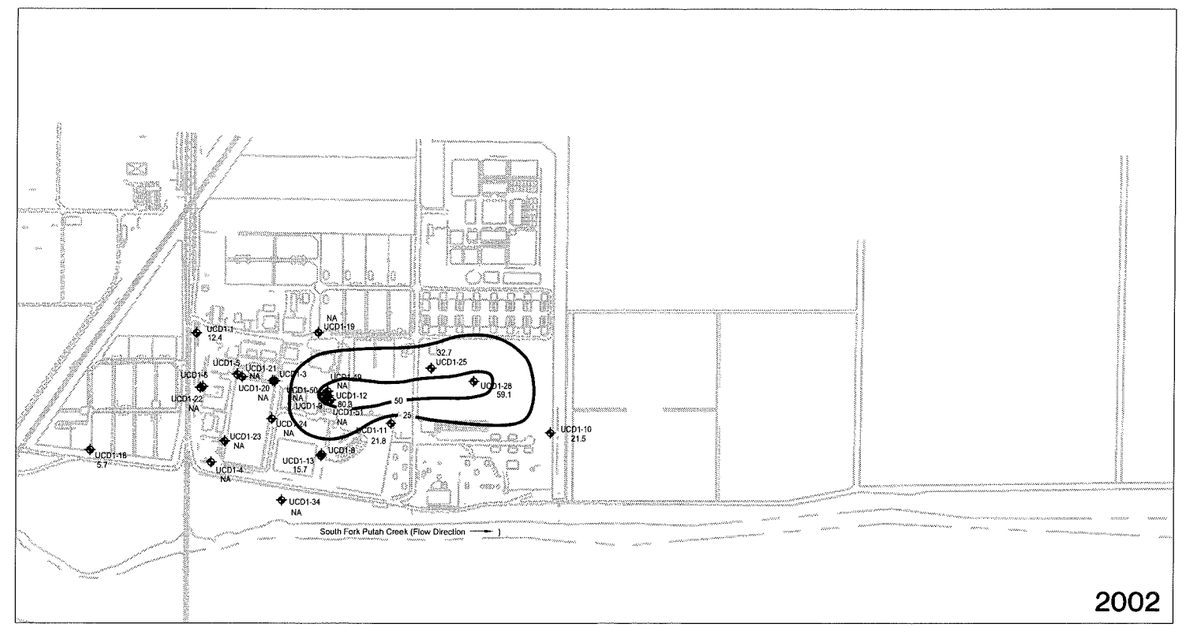
Davis, California

FIGURE 12









EXPLANATION

- UCD1-11 HSU-1 Monitoring Well
- <300 Result is Less Than CRDL
- NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in mg/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

NITRATE AS N ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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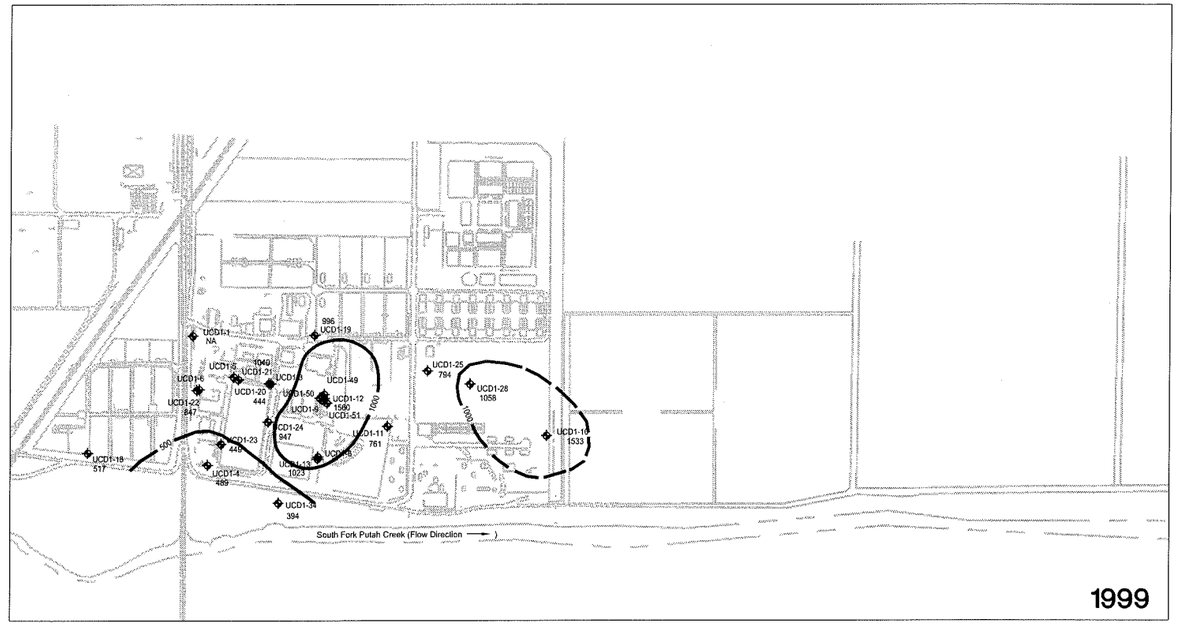
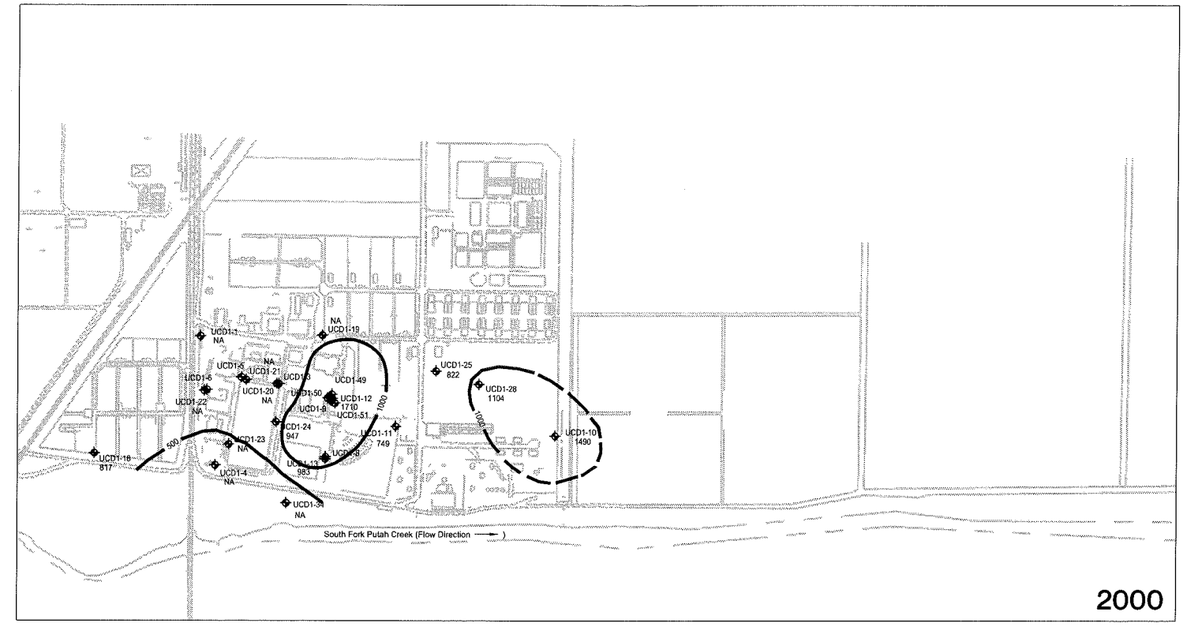
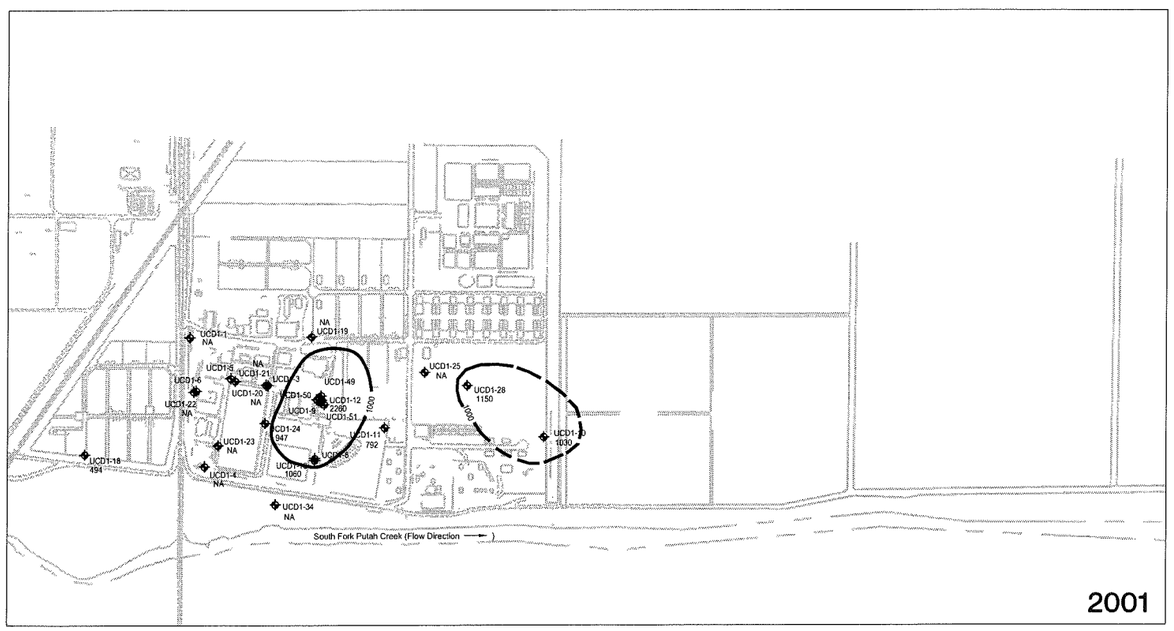
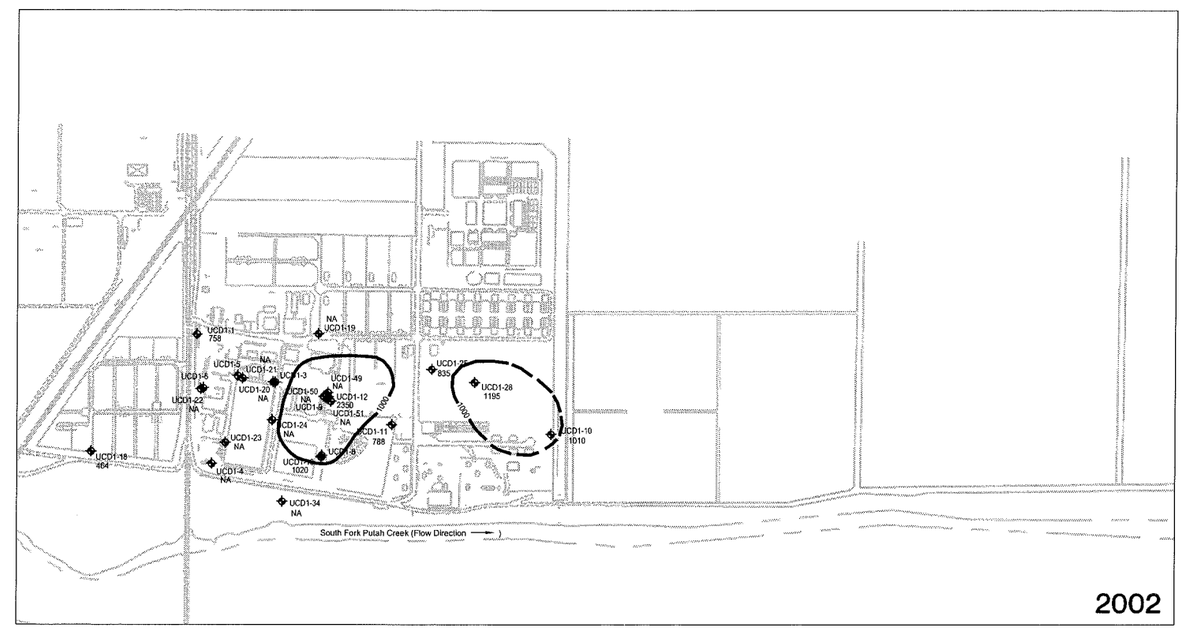
FIGURE 13









EXPLANATION

UCD1-11 HSU-1 Monitoring Well

<300 Result is Less Than CRDL

NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in mg/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

TDS ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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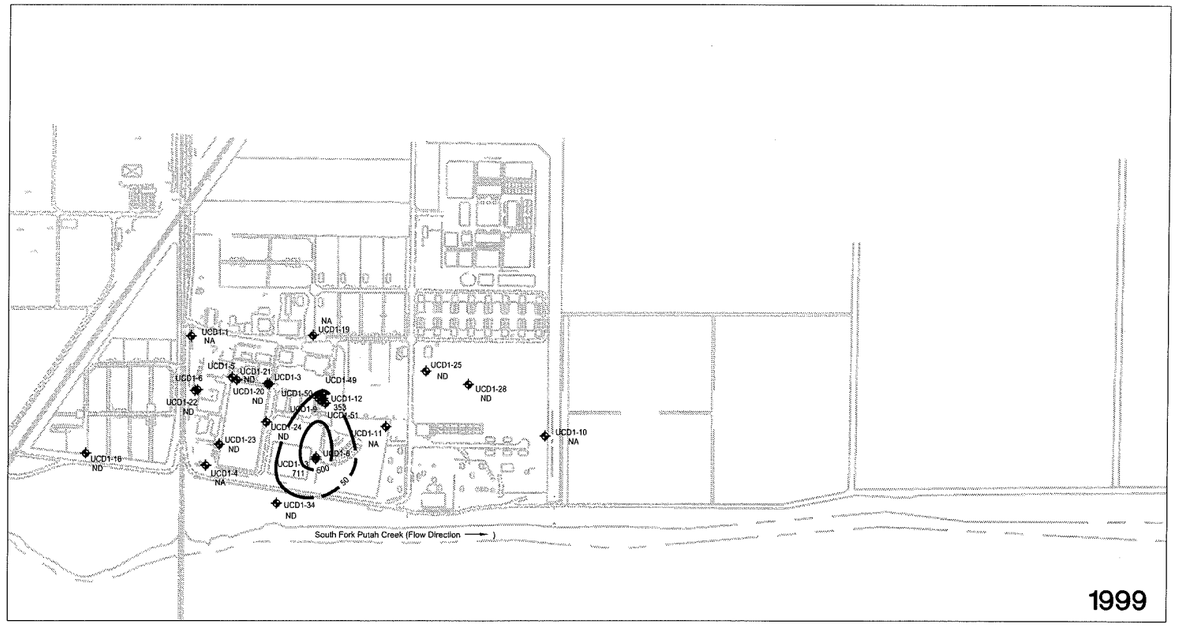
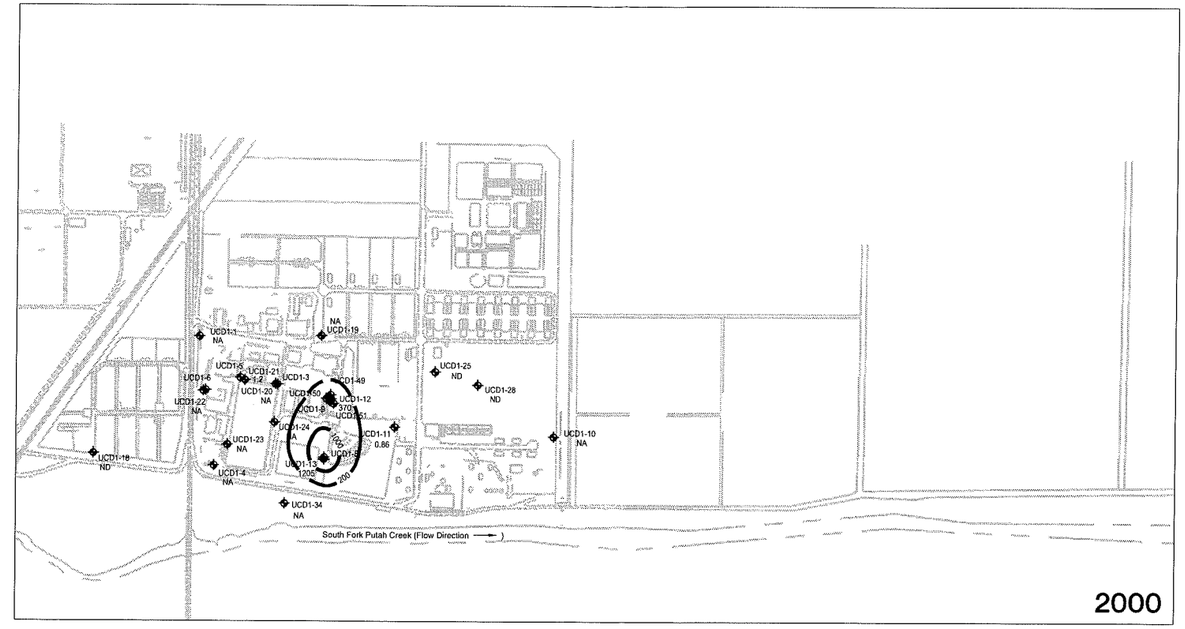
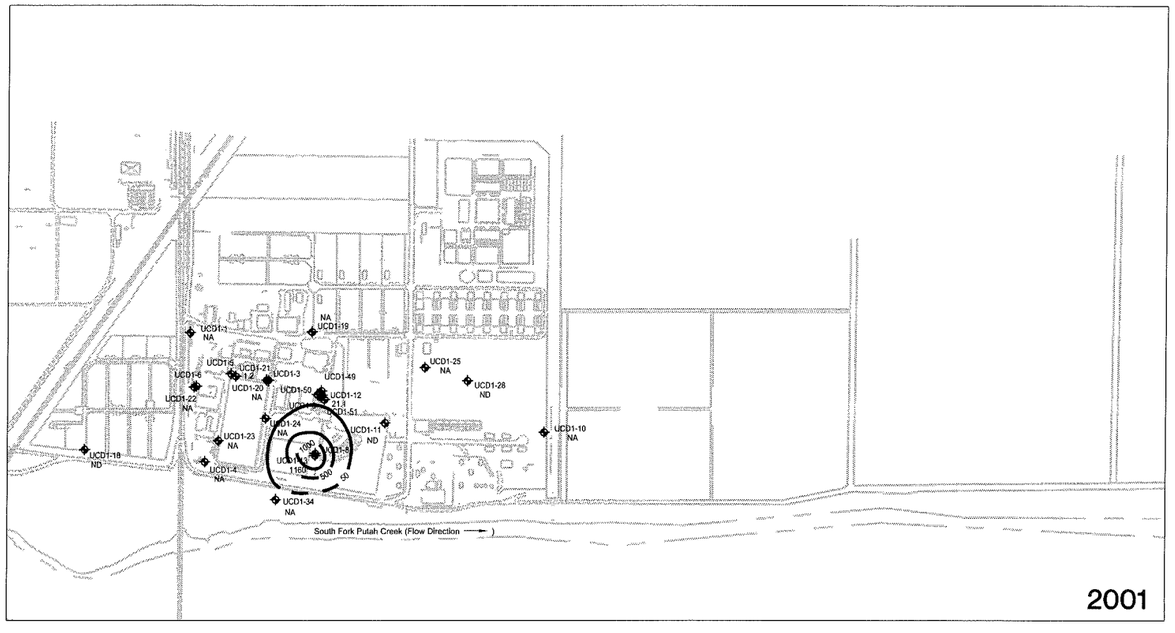
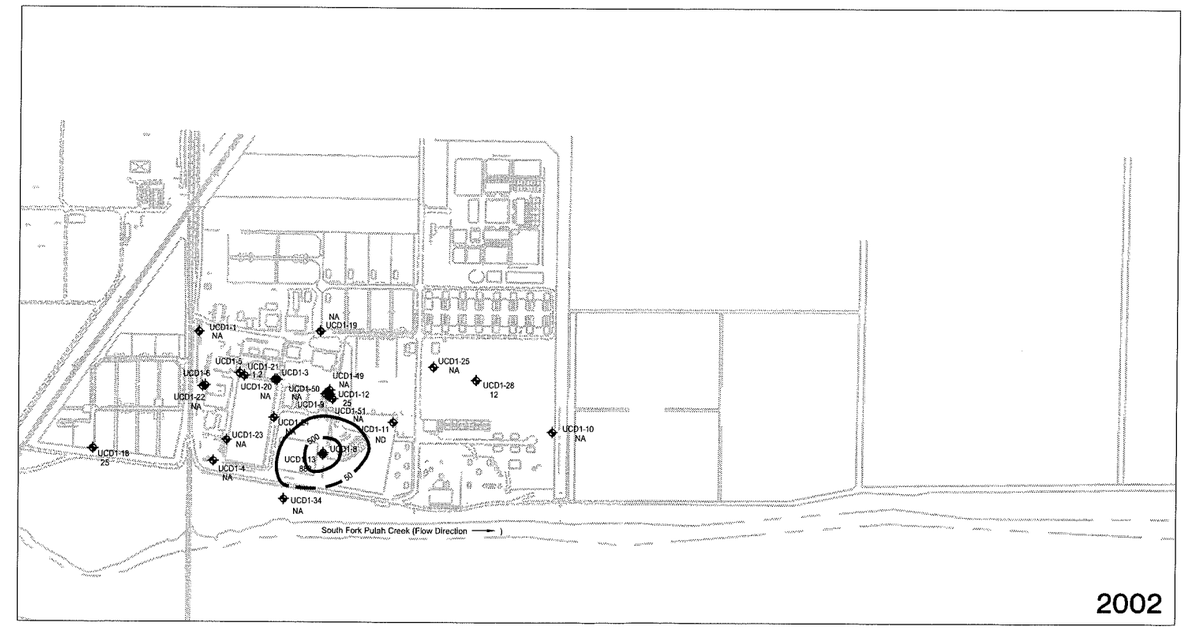
FIGURE 14

P:\25000\25042 LEHR\2002 Annual Report\Graphics\ Dec 19, 2003 Fig14-HSU-1.DWG









EXPLANATION

UCD1-11 HSU-1 Monitoring Well

ND Not Detected

NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in pCi/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

CARBON-14 ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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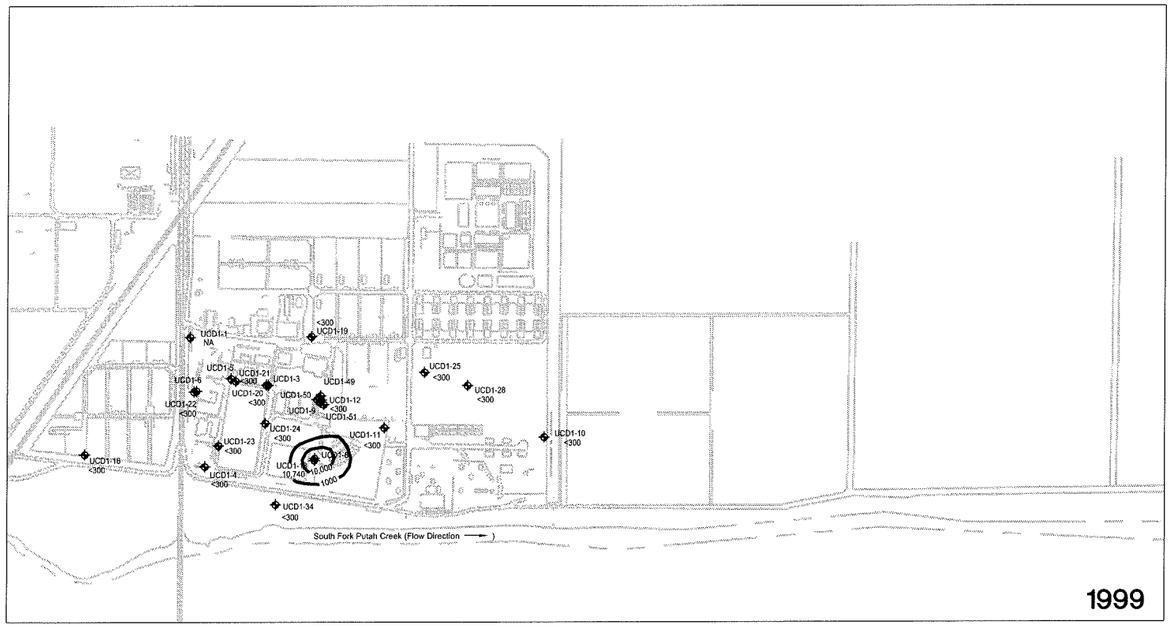
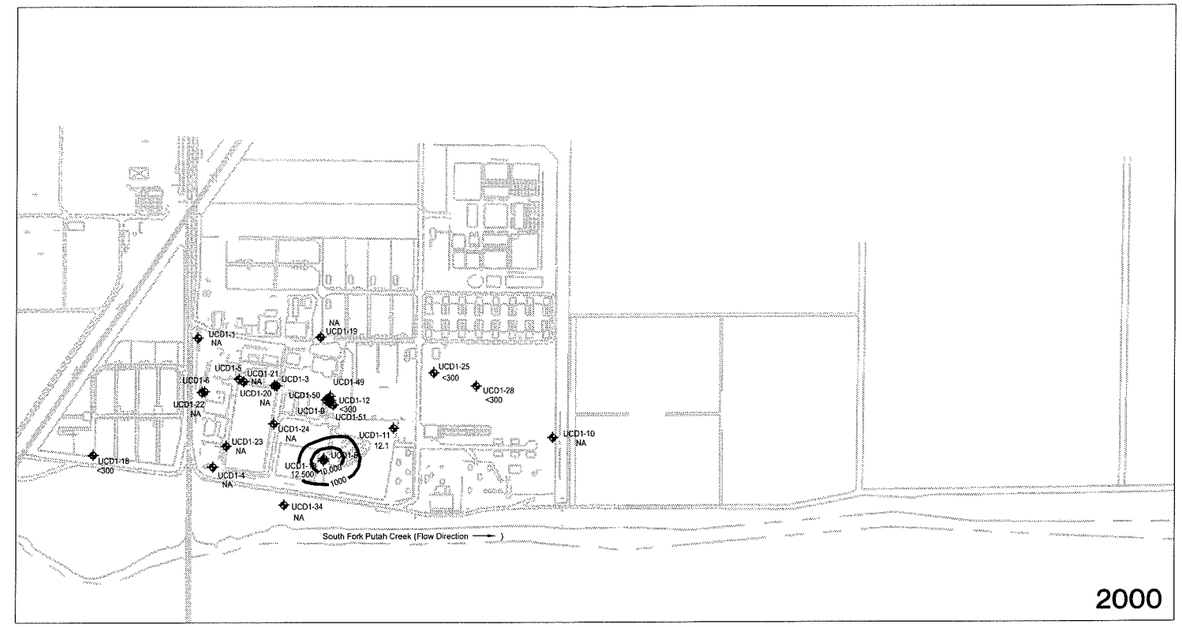
FIGURE 15

P:\25000\25042 LEHR\2002 Annual Report\Graphics\ Dec 19, 2003 Fig15-HSU-1.DWG



1999



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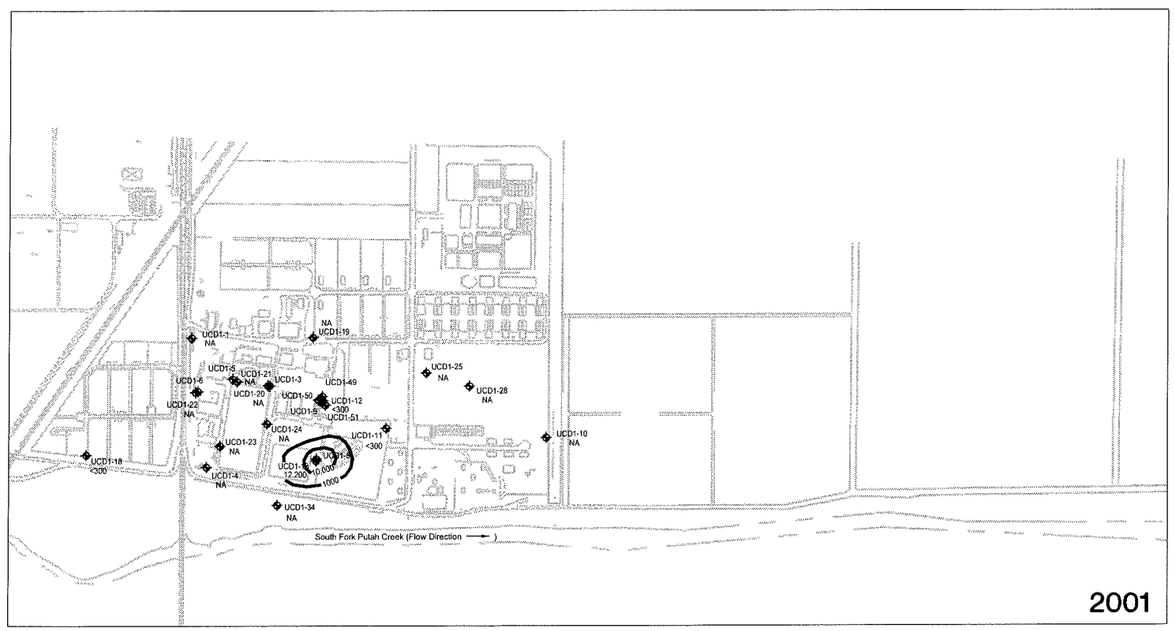
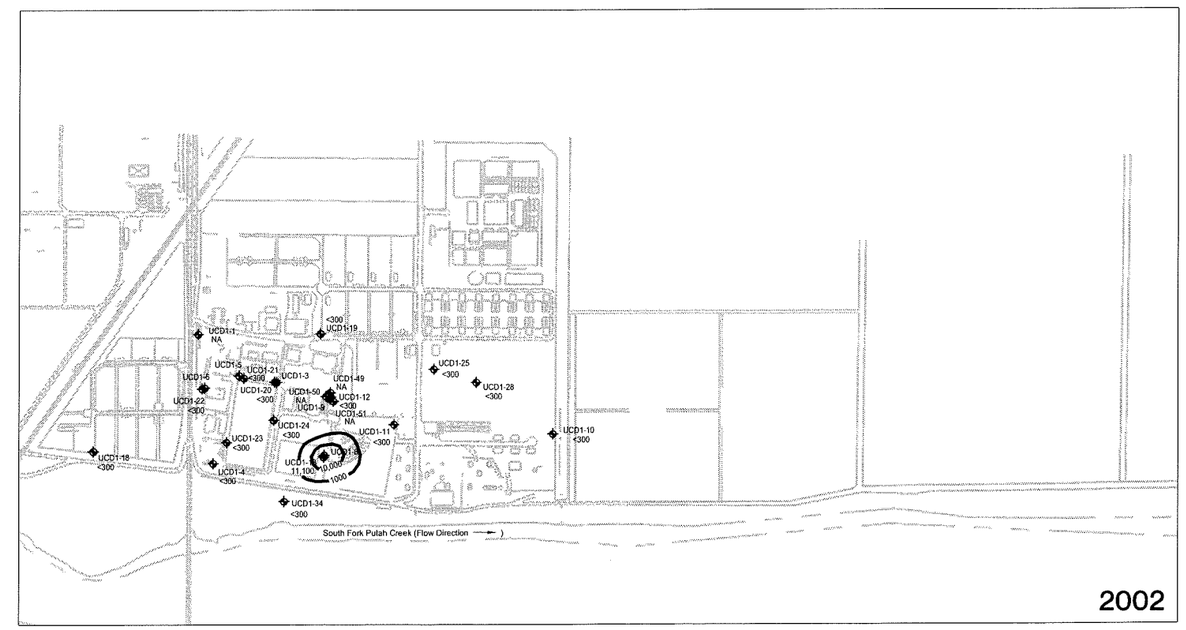


2001



2002

EXPLANATION

UCD1-11 HSU-1 Monitoring Well

<300 Result is Less Than CRDL

NA Not Analyzed

Source: URS

Isoconcentration Contour
All Results Reported in pCi/L
Results represent Average of Quarterly Data

Wells UCD1-49, UCD1-50, and UCD1-51 were installed in August 2002

N

0 400 800
Scale in Feet

TRITIUM ISOCONCENTRATION CONTOURS IN HSU-1, 1999 THROUGH 2002

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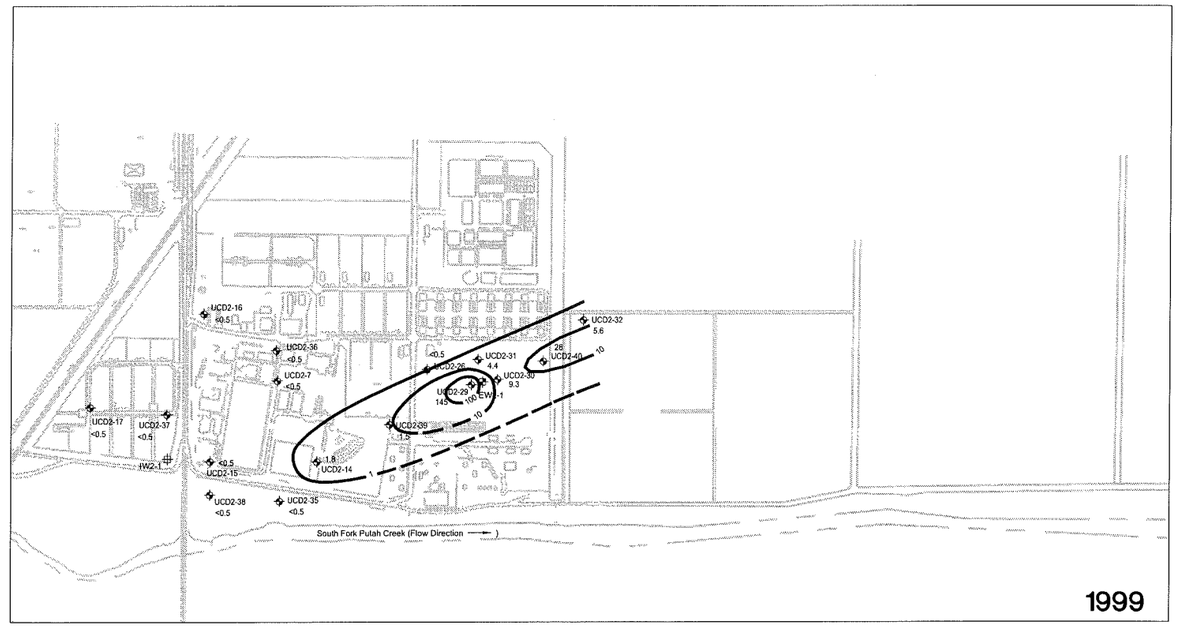
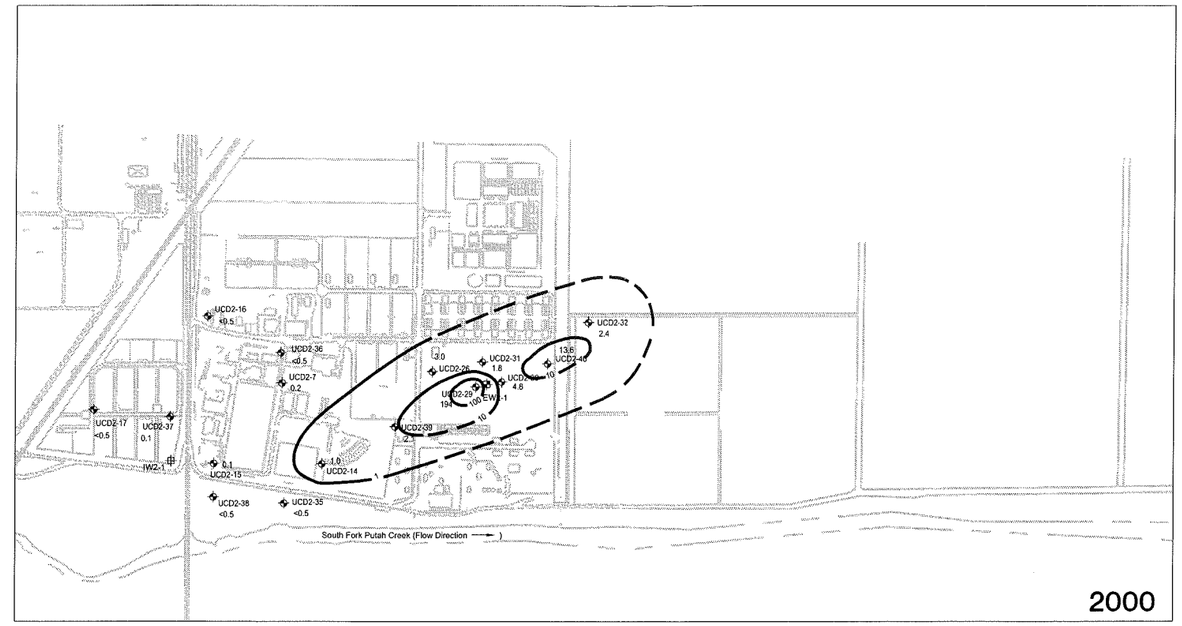
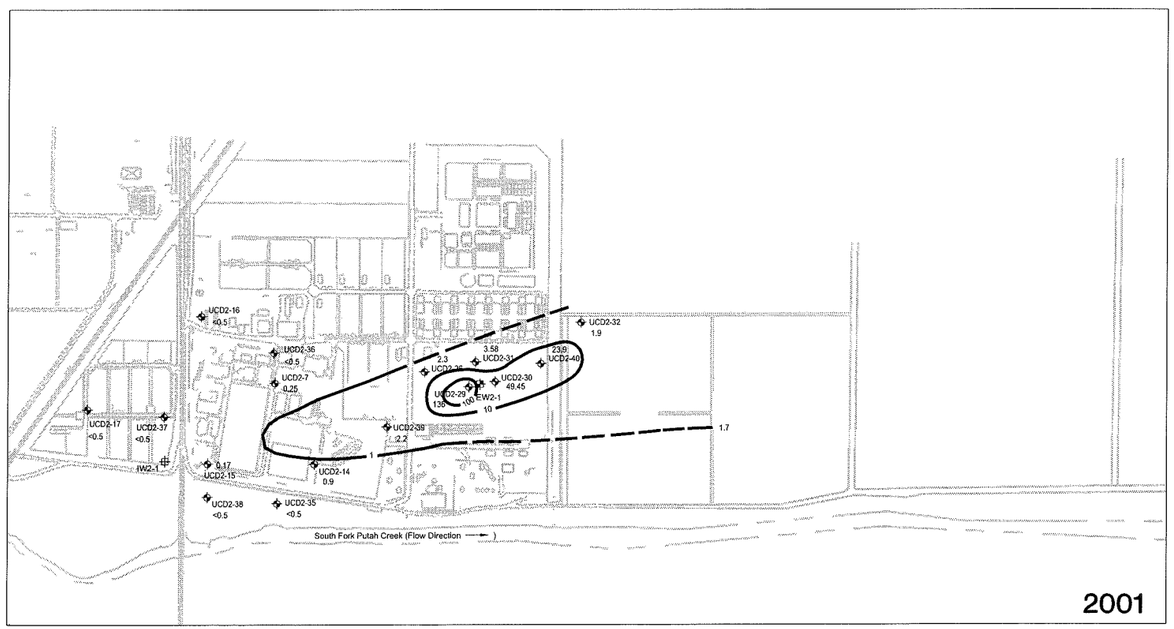
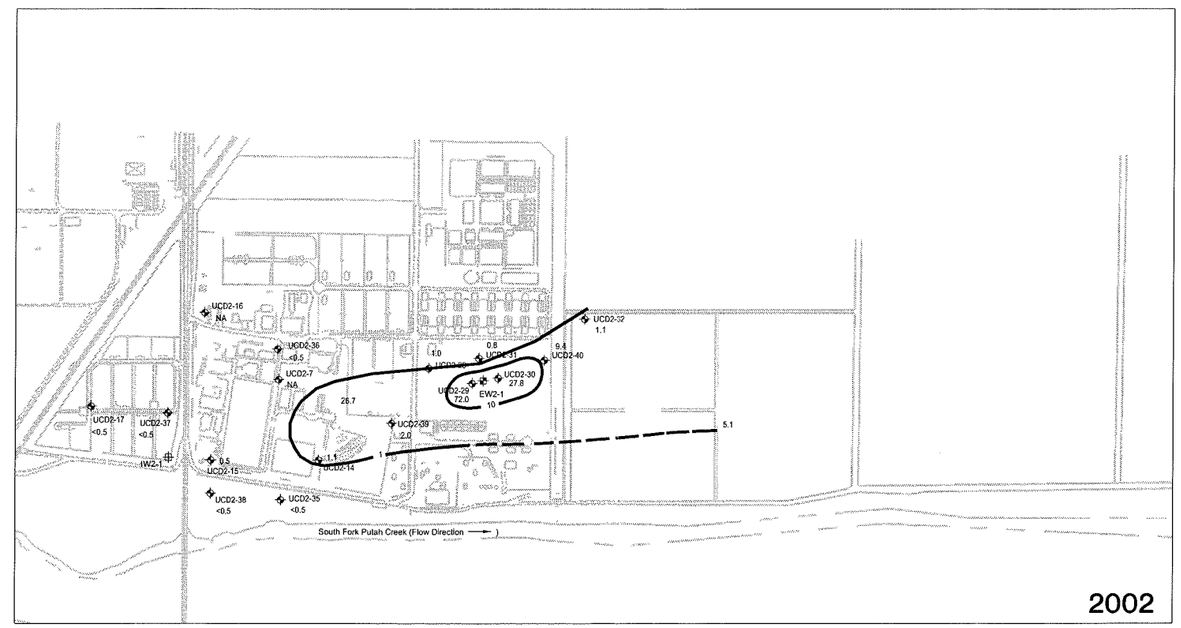
FIGURE 16

P:\25000\25042 LEHR\2002 Annual Report\Graphics\ Dec 19, 2003 Fig16-HSU-1.DWG









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well
- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in ug/L Results represent Average of Quarterly Data

Source: URS

N

0 400 800
Scale in Feet

CHLOROFORM ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

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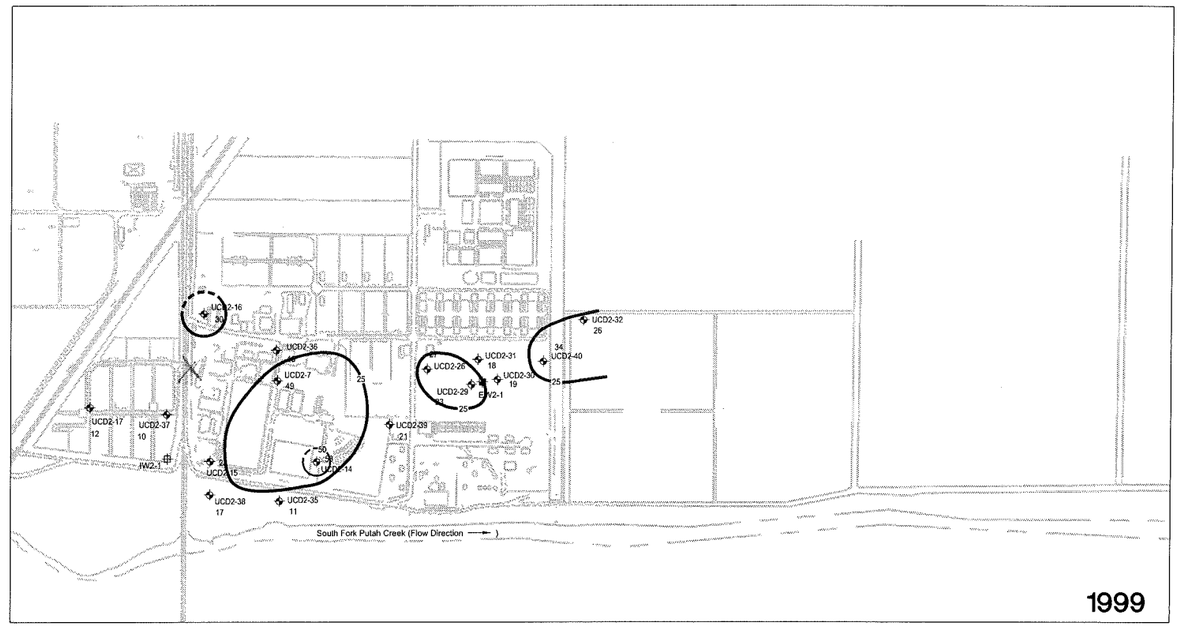
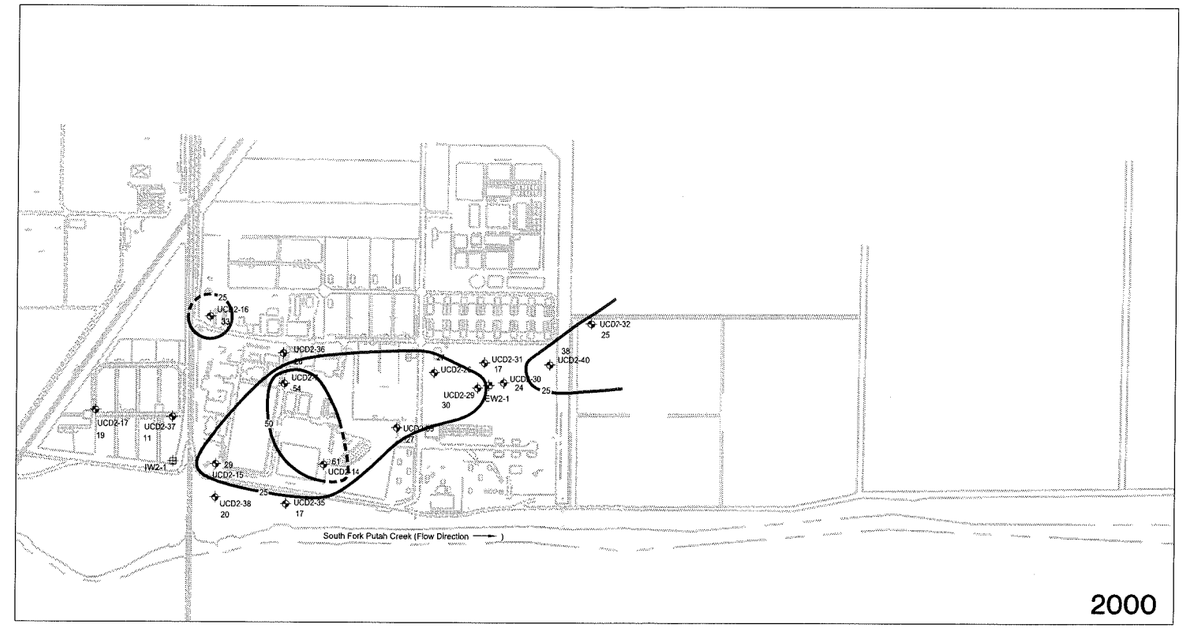
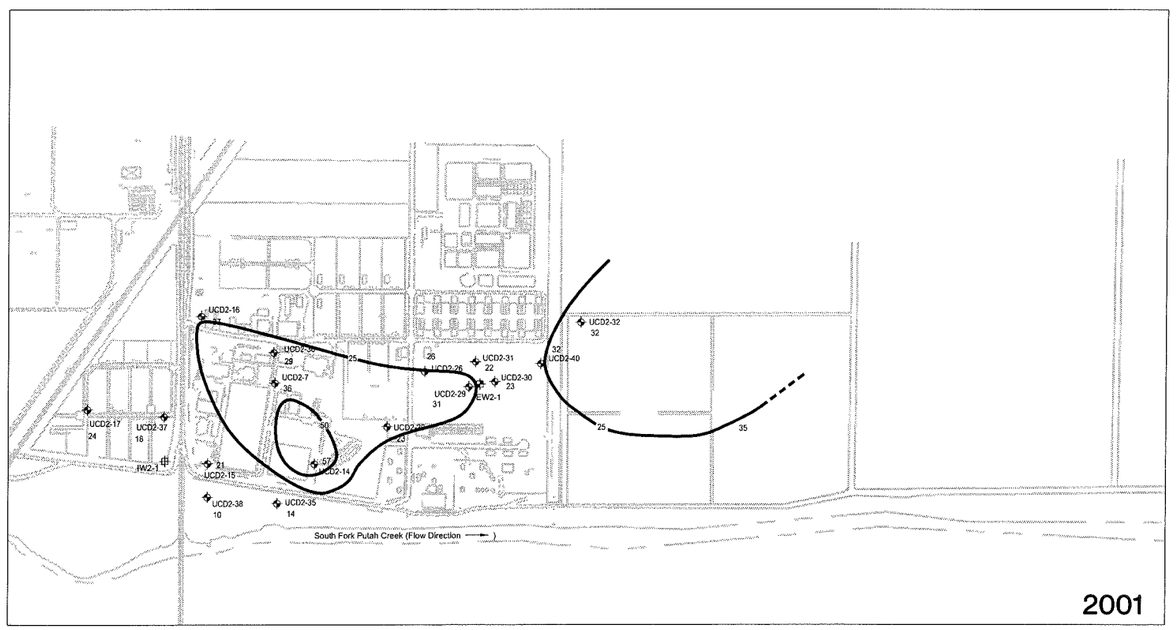
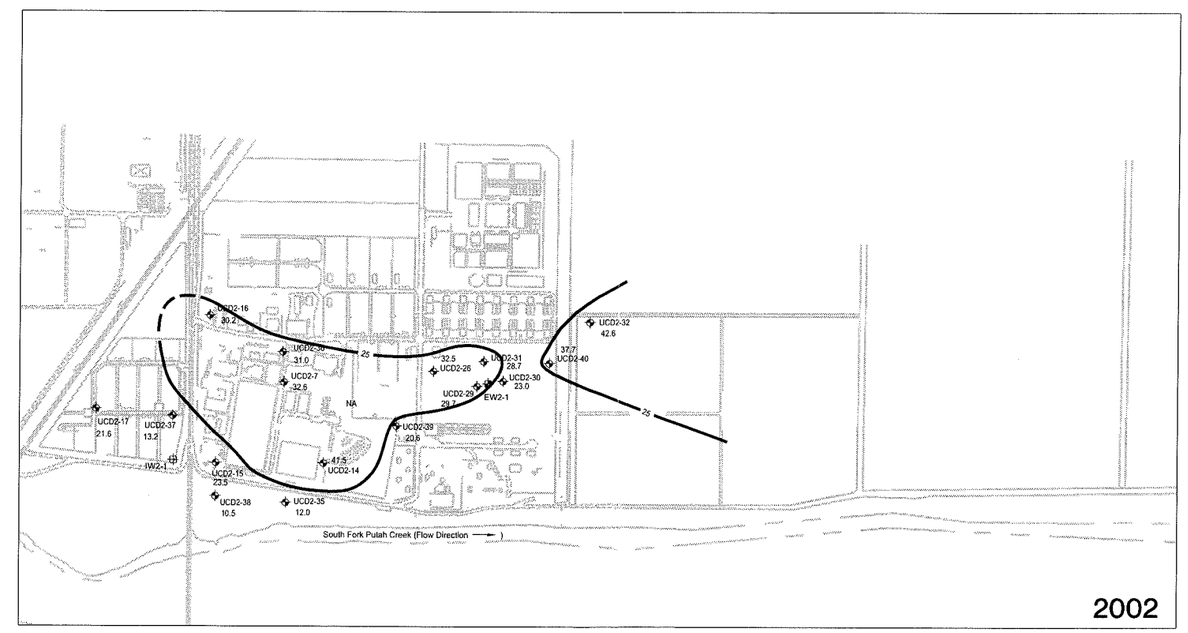
FIGURE 17









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well

Source: URS

- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in ug/L Results represent Average of Quarterly Data

N

0 400 800
Scale in Feet

CHROMIUM ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

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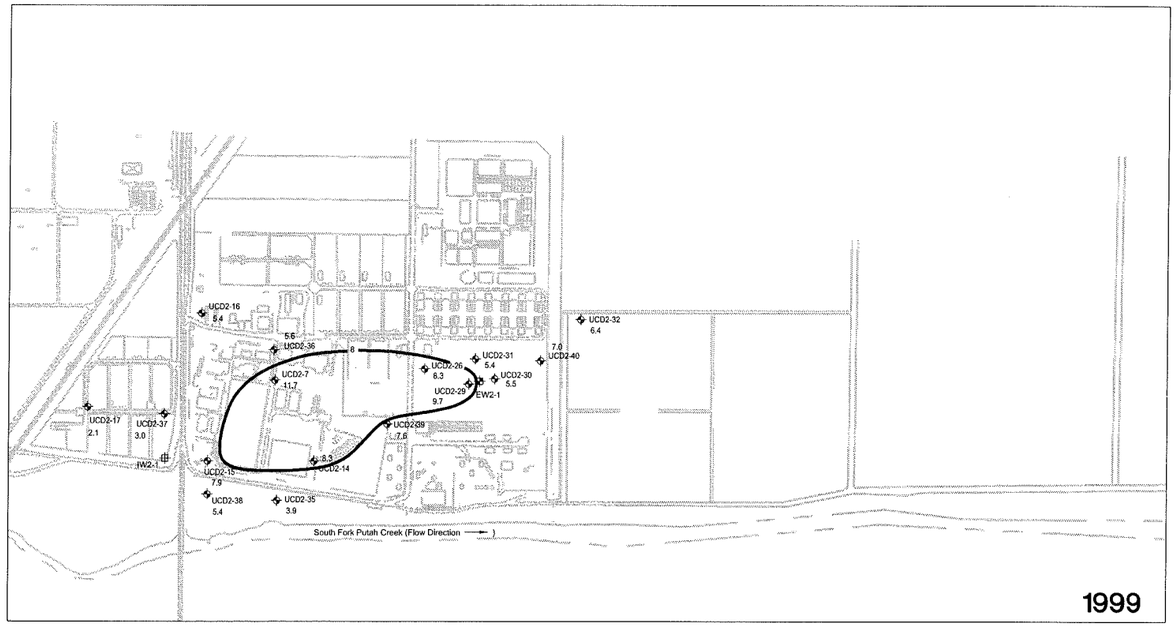
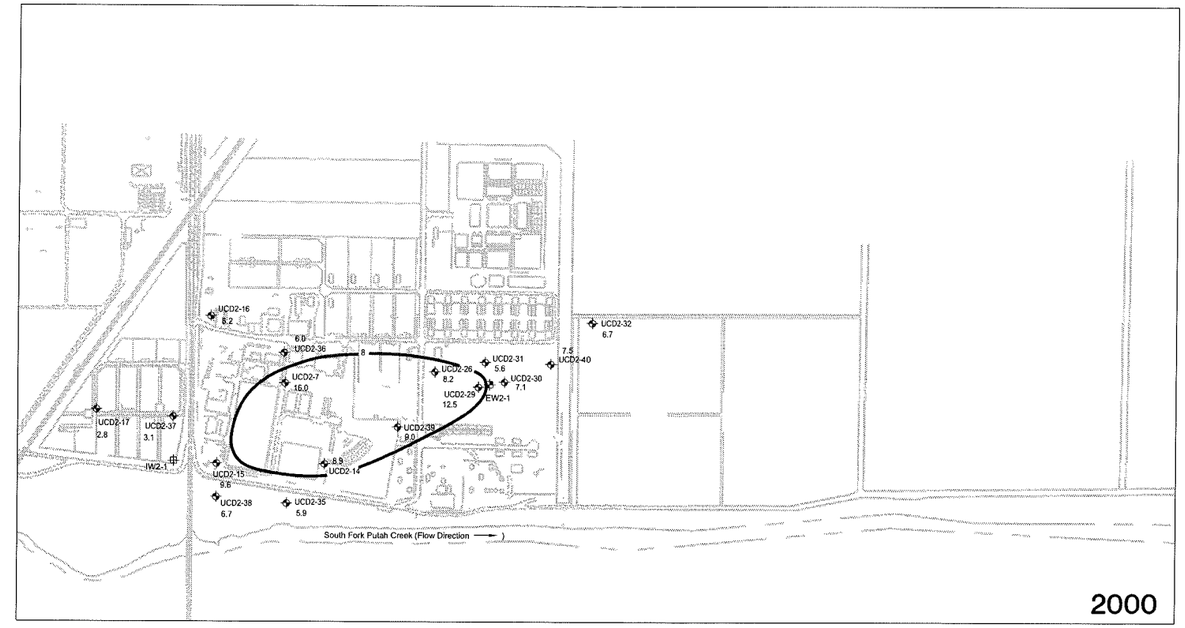
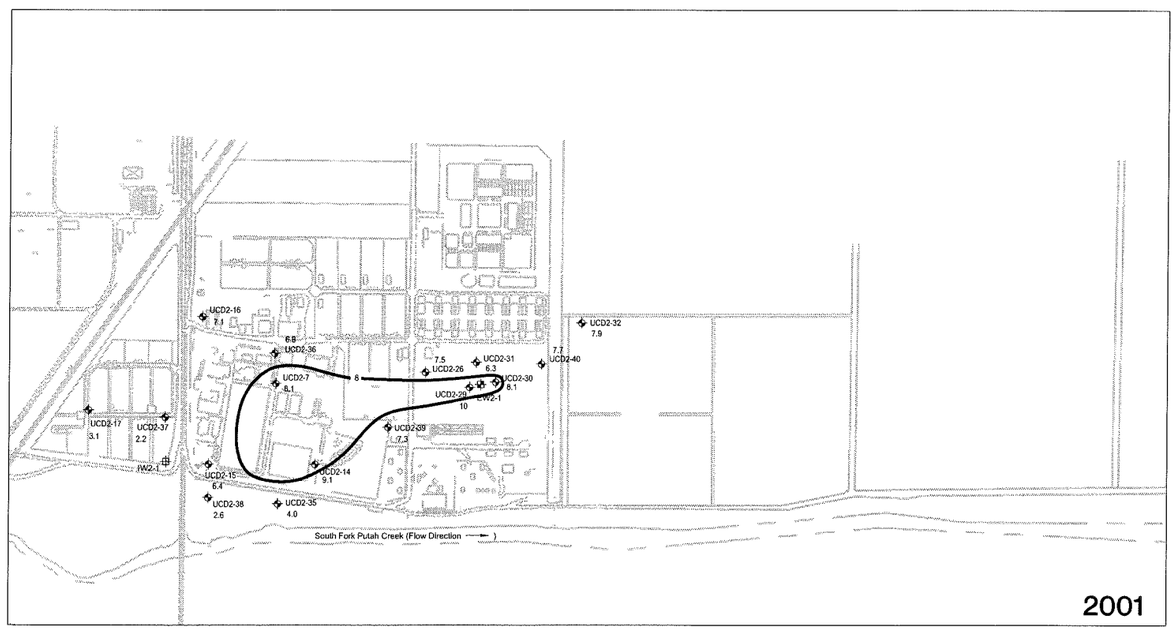
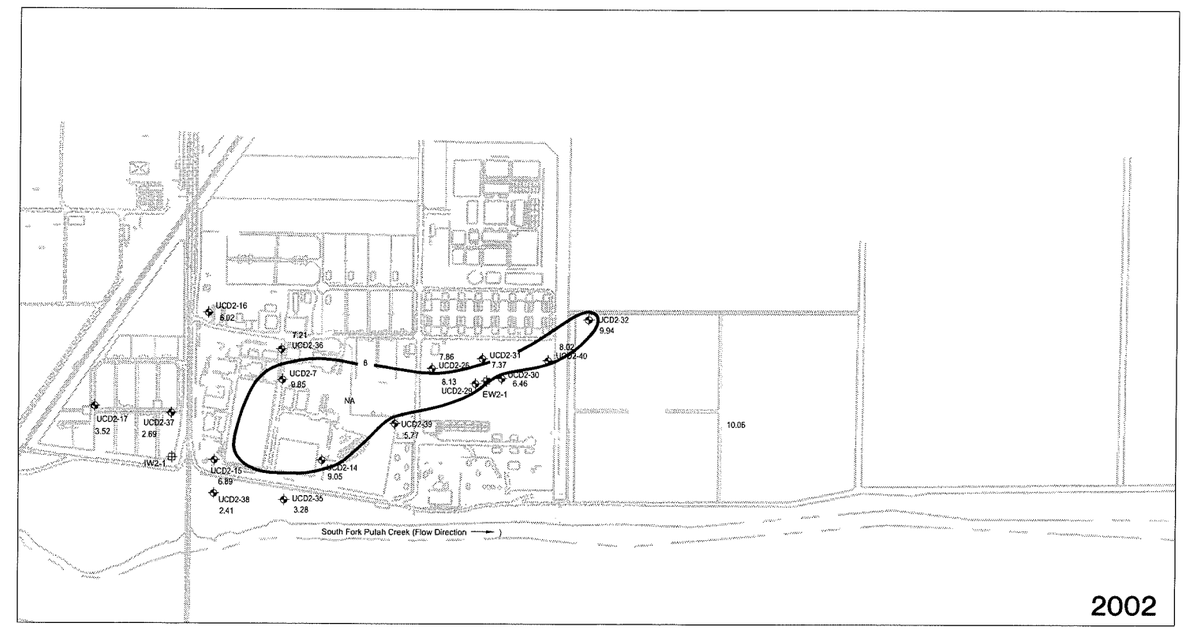
FIGURE 18

P:\25000\25042 - LEHR\2002 Annual Report\Graphics Dec 19, 2003 Fig18--HSU2.DWG









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well

Source: URS

- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in mg/L
  Results represent Average of Quarterly Data

N

0 400 800
Scale in Feet

NITRATE AS N ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

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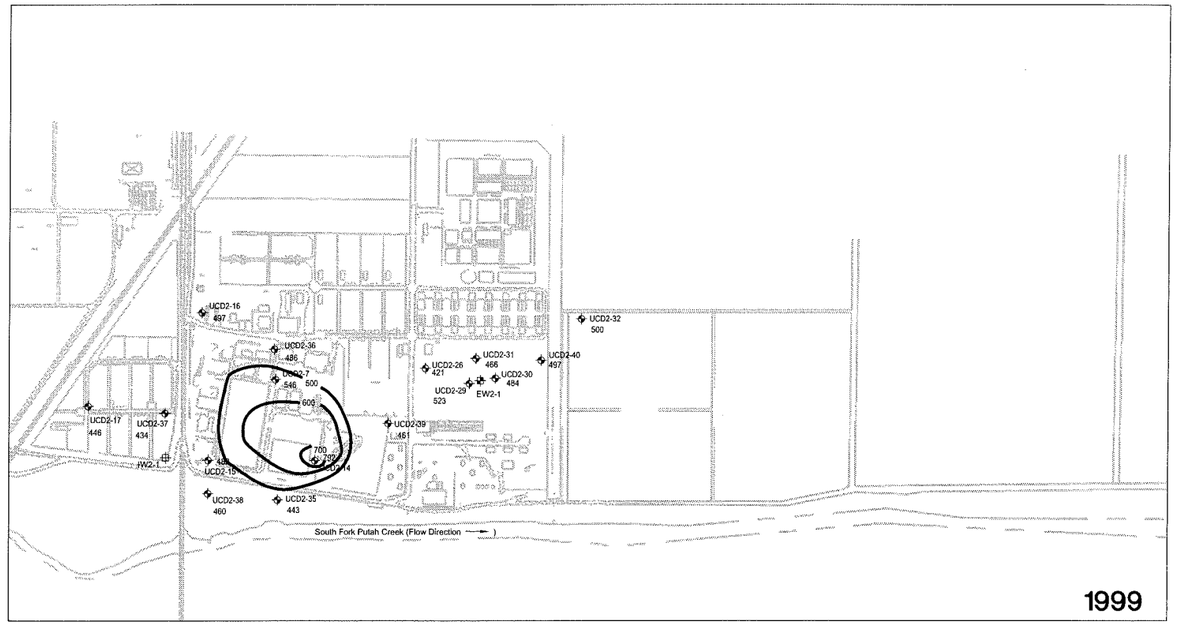
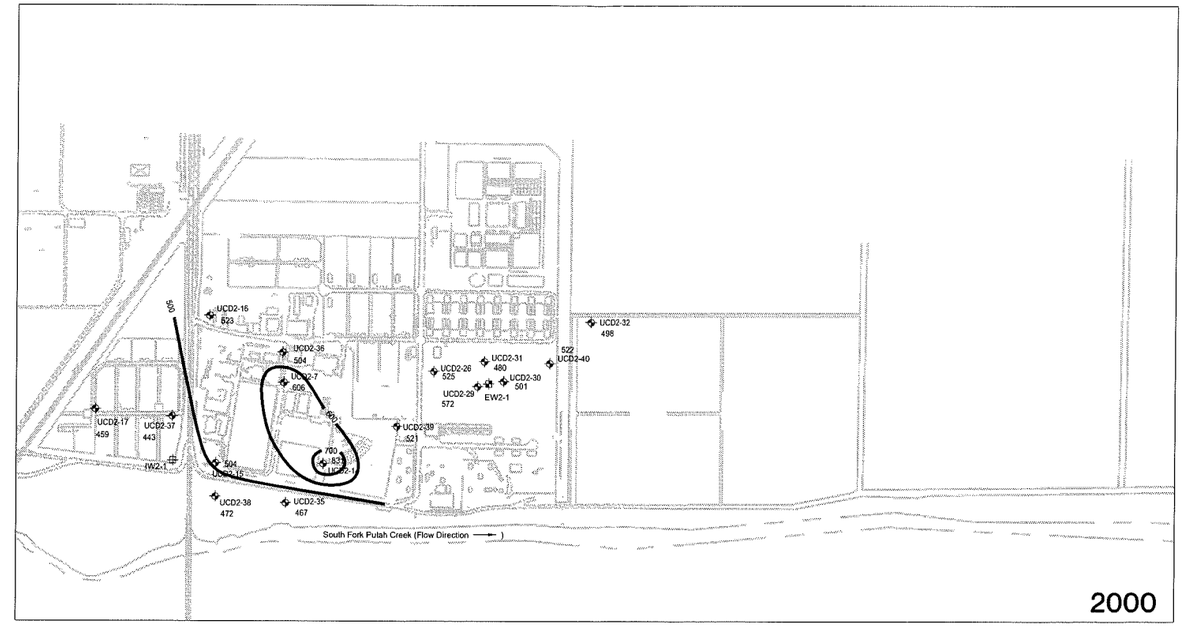
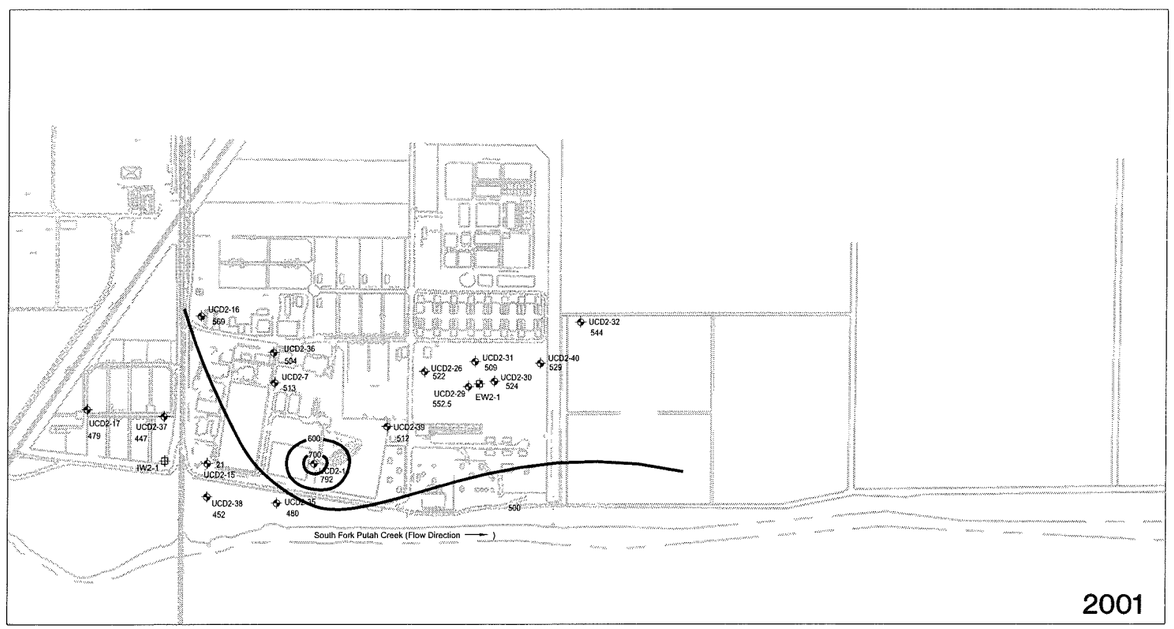
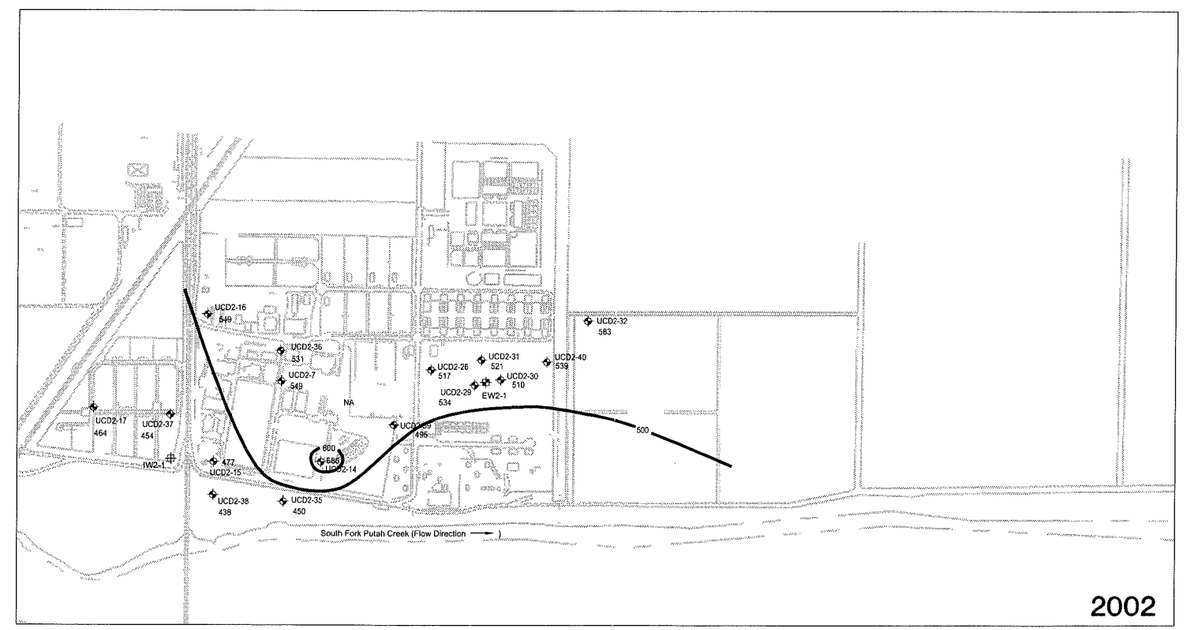
FIGURE 19

P:\25000\25042 - LEHR\2002 Annual Report\Graphics Dec 19, 2003 Fig19--HSU2.DWG









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well

Source: URS

- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in mg/L
  Results represent Average of Quarterly Data

N

0 400 800
Scale in Feet

TDS ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
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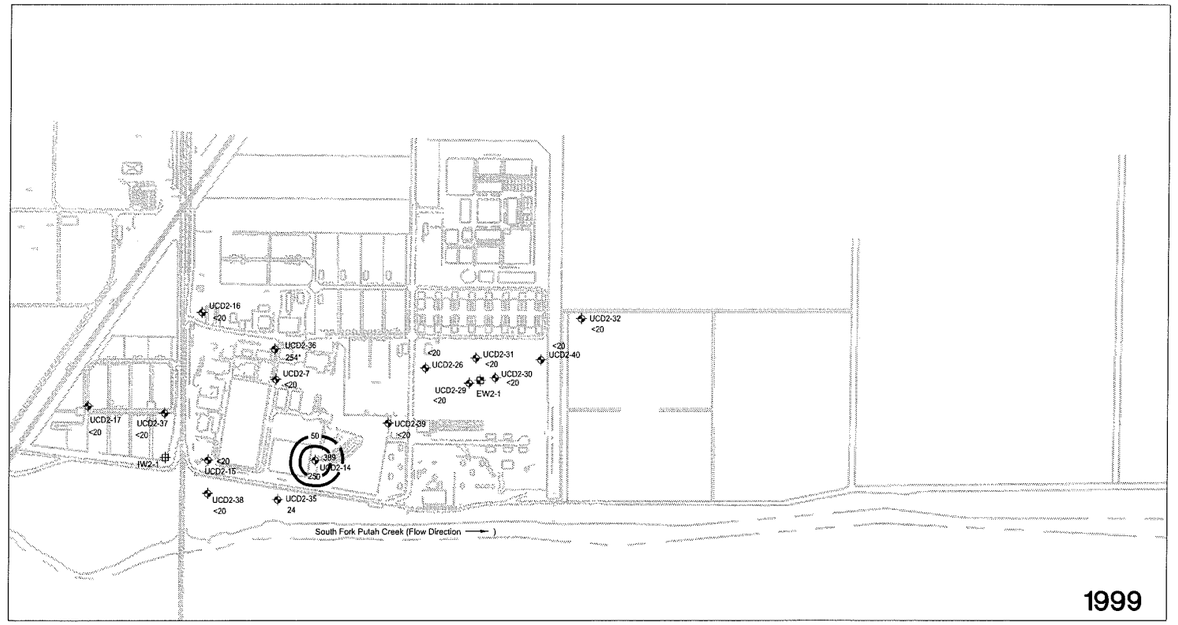
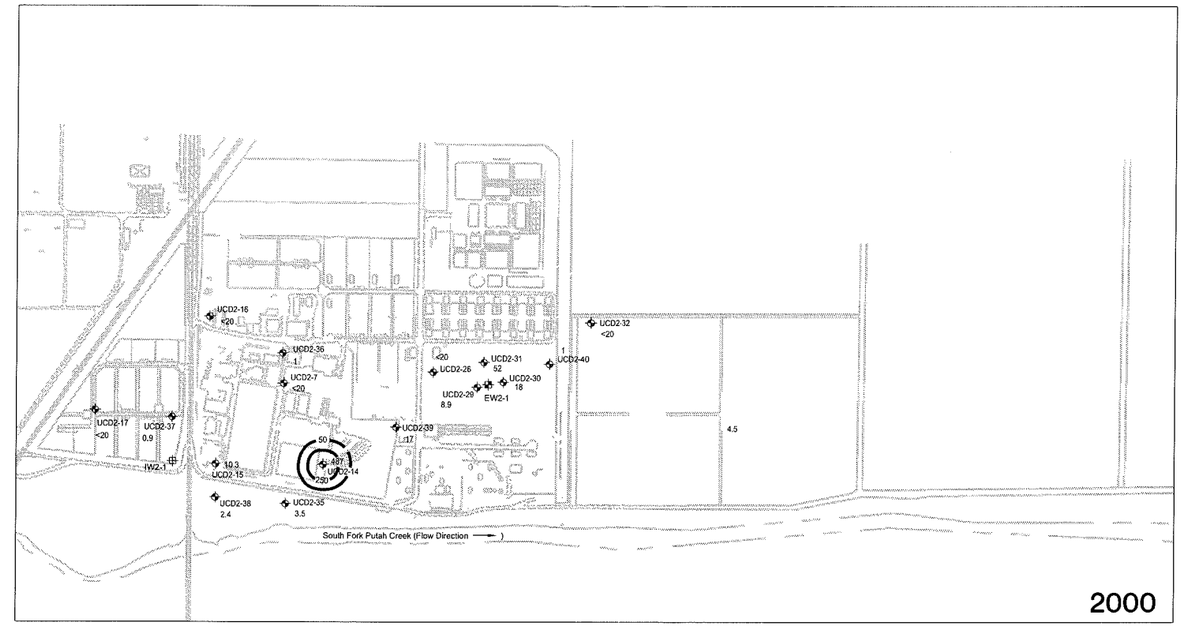
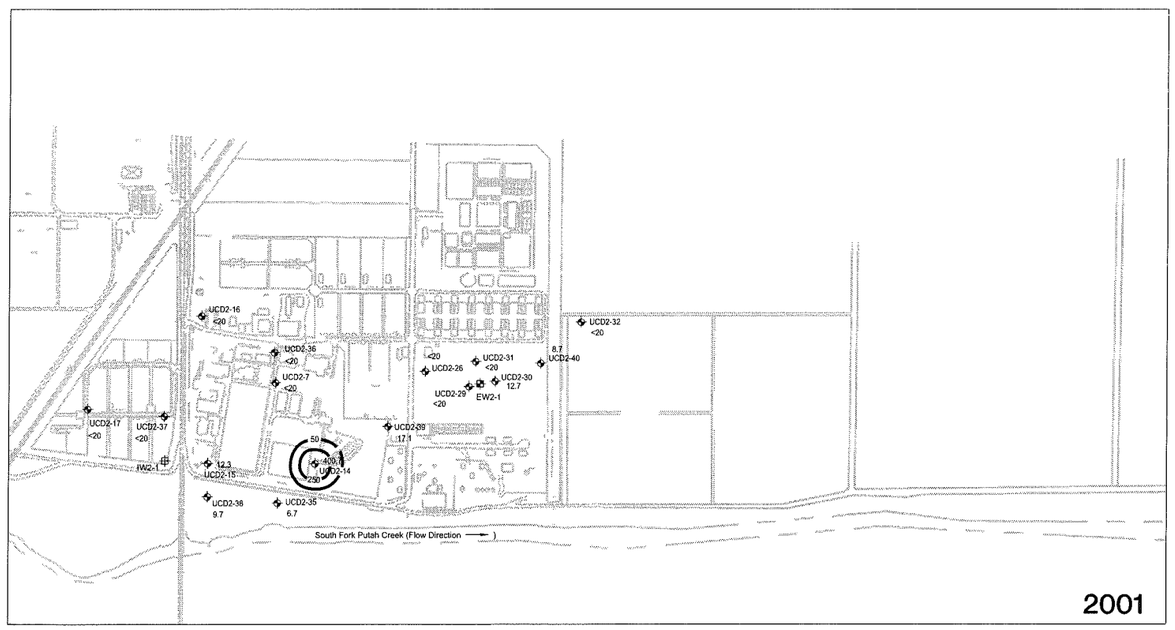
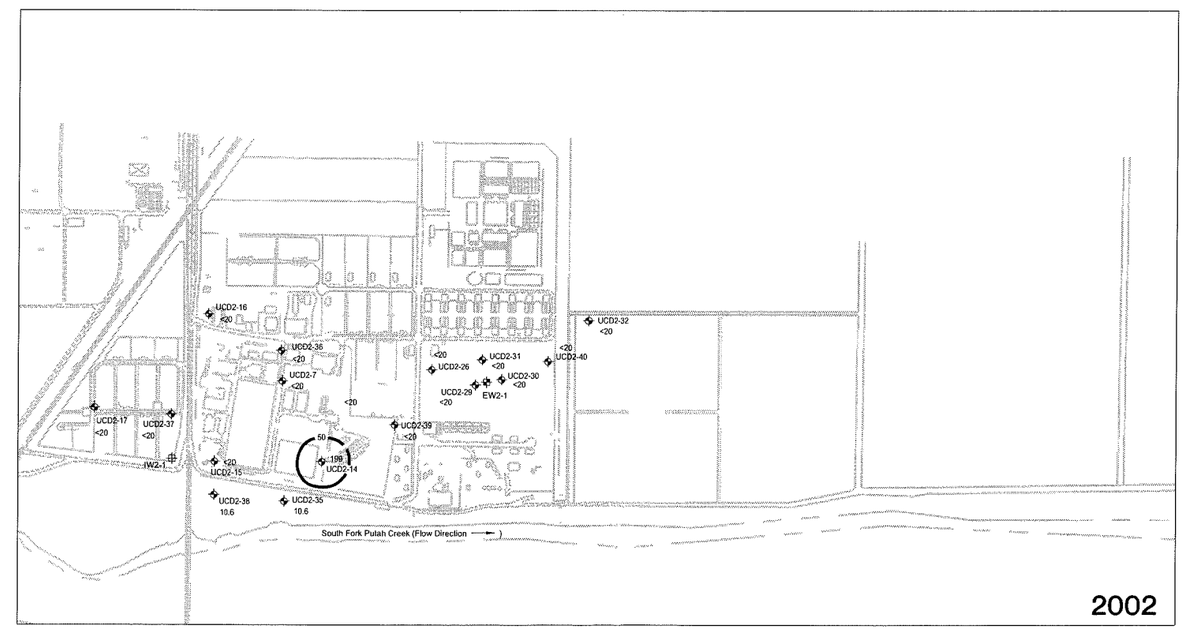
FIGURE 20









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well

Source: URS

- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in pCi/L Results represent Average of Quarterly Data

N

0 400 800
Scale in Feet

CARBON-14 ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

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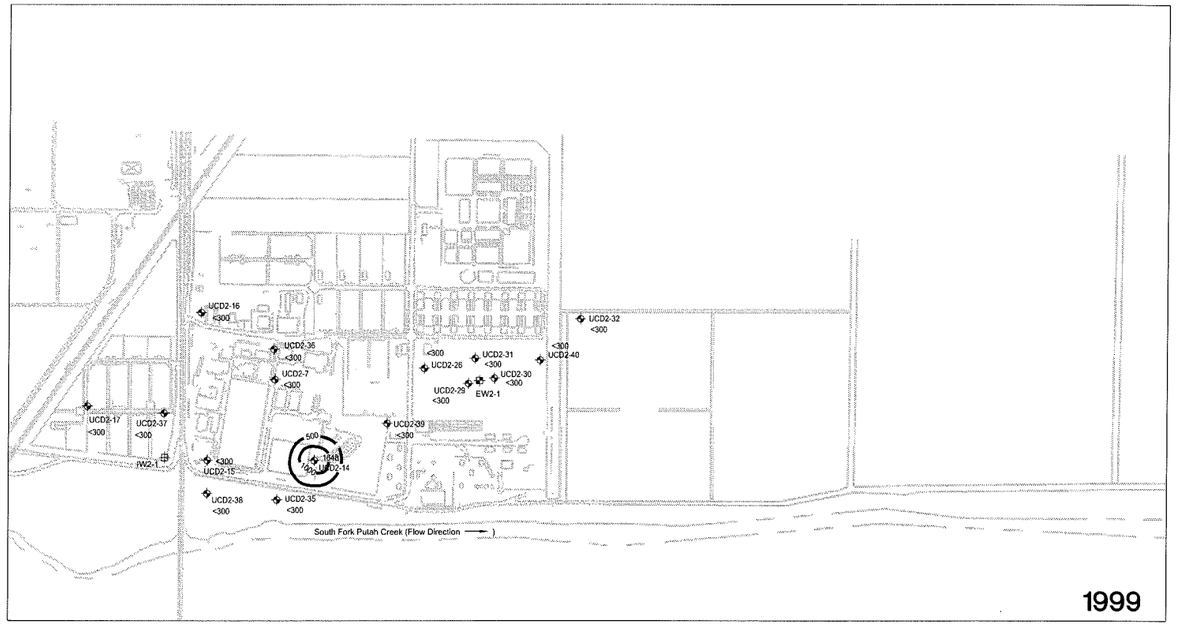
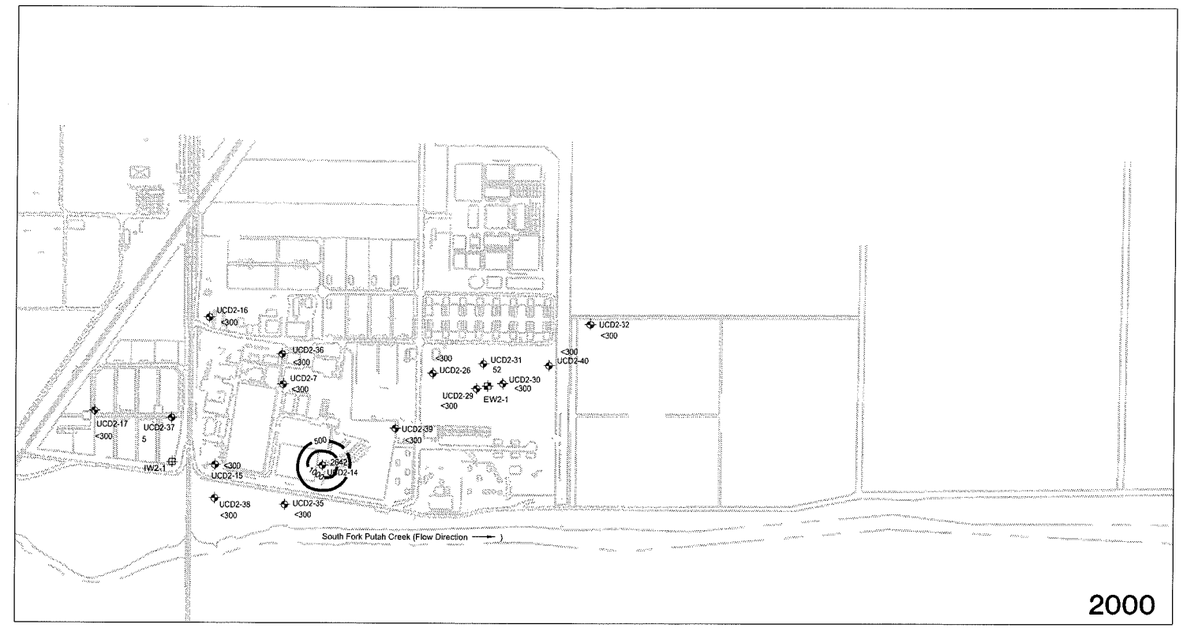
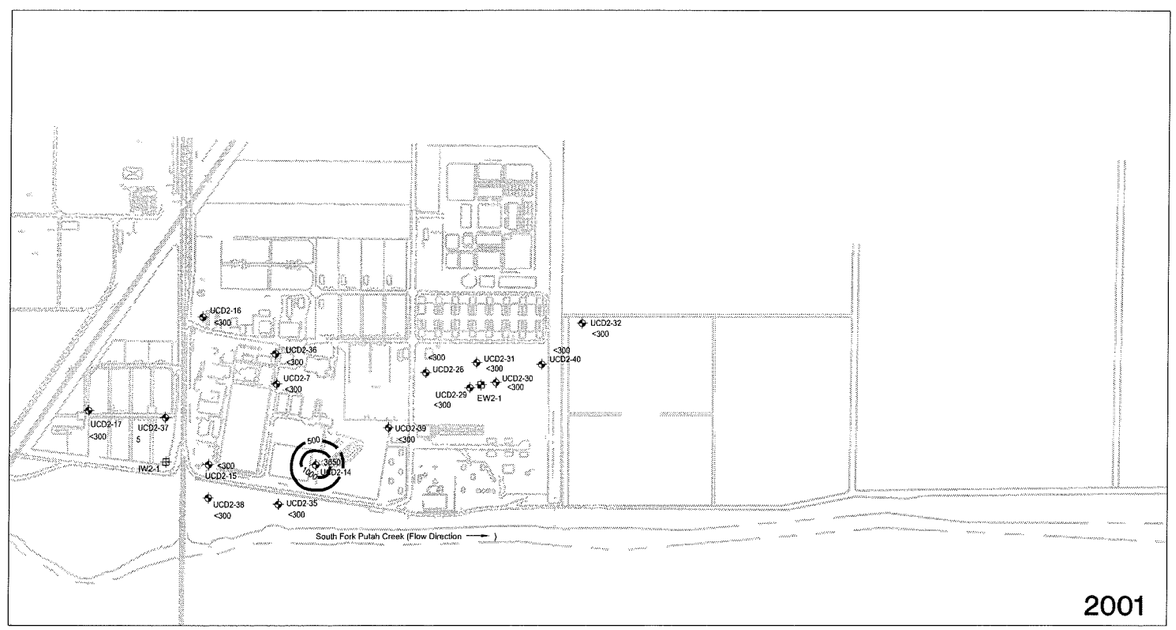
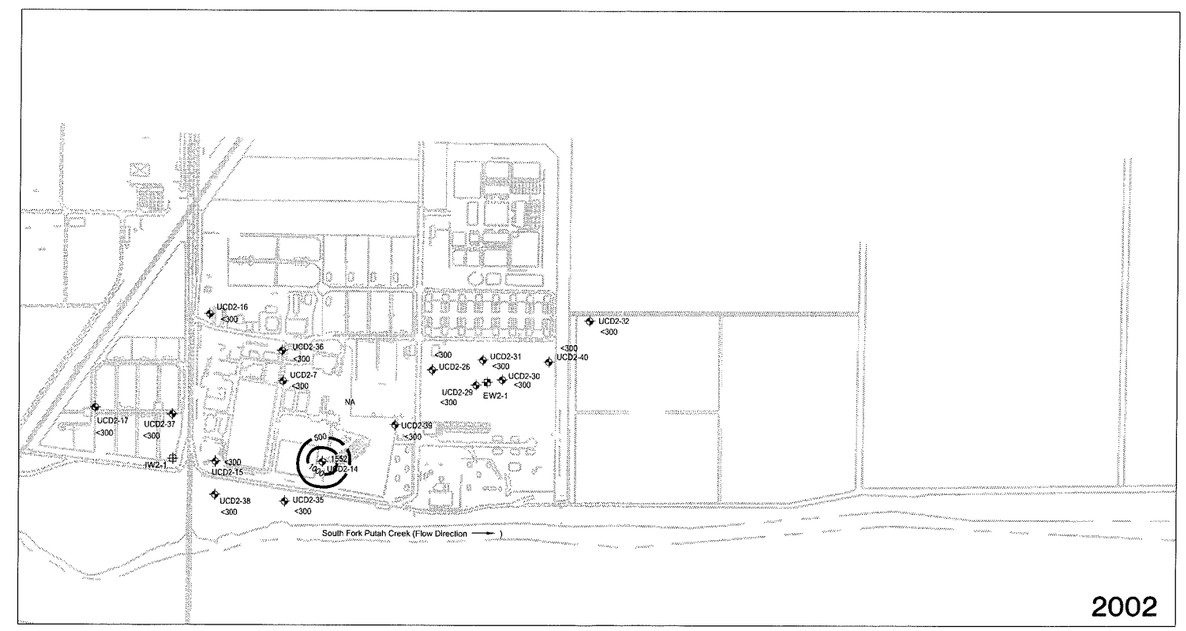
FIGURE 21

P:\25000\25042 - LEHR\2002 Annual Report\Graphics Dec 19, 2003 Fig21--HSU2.DWG









EXPLANATION

- UCD2-17 HSU-2 Monitoring Well
- EW2-1 HSU-2 Extraction Well
- IW2-1 HSU-2 Injection Well
- <300 Result is Less Than CRDL
- NA Not Analyzed
- Isoconcentration Contour, All Results Reported in pCi/L Results represent Average of Quarterly Data

Source: URS

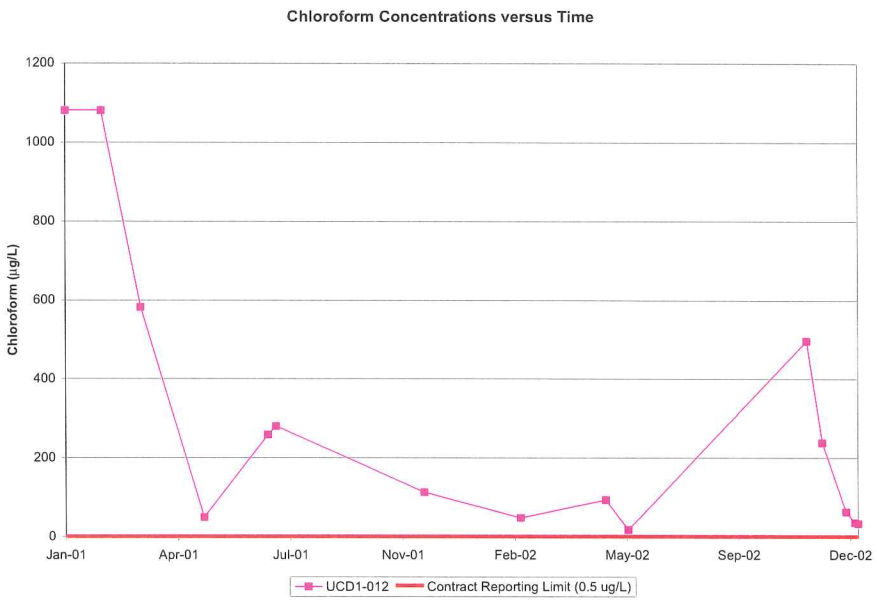
N

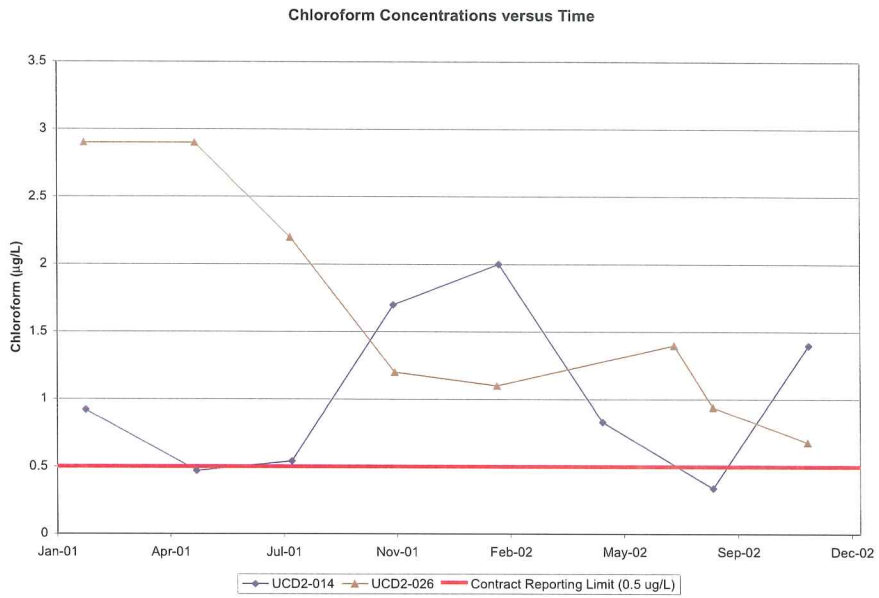
0 400 800
Scale in Feet

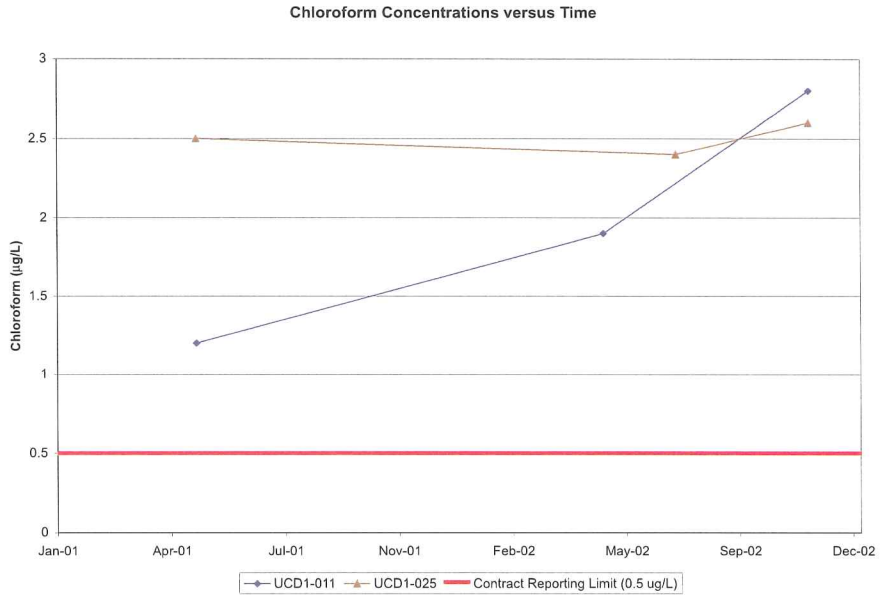
TRITIUM ISOCONCENTRATION CONTOURS IN HSU-2, 1999 THROUGH 2002

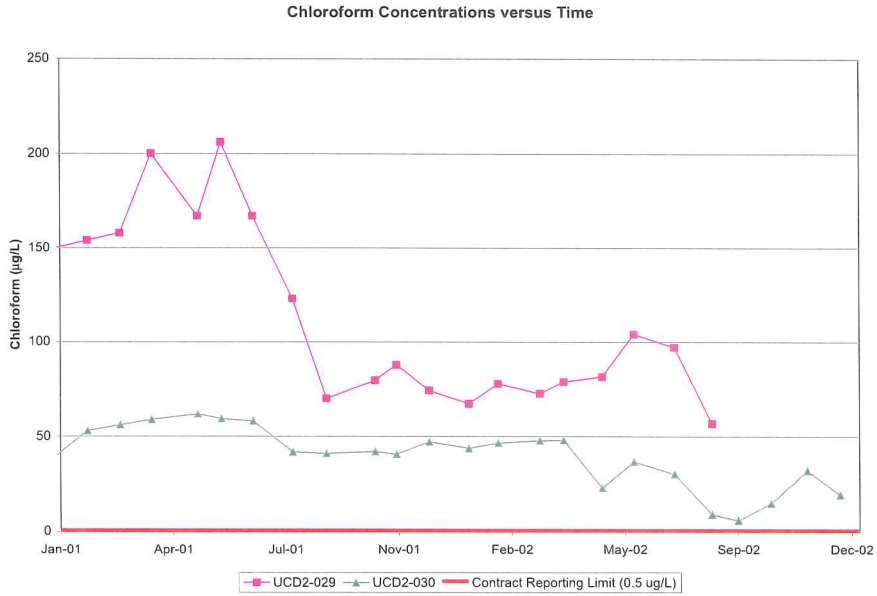
2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California

FIGURE 22









PLOTS OF CHLOROFORM VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

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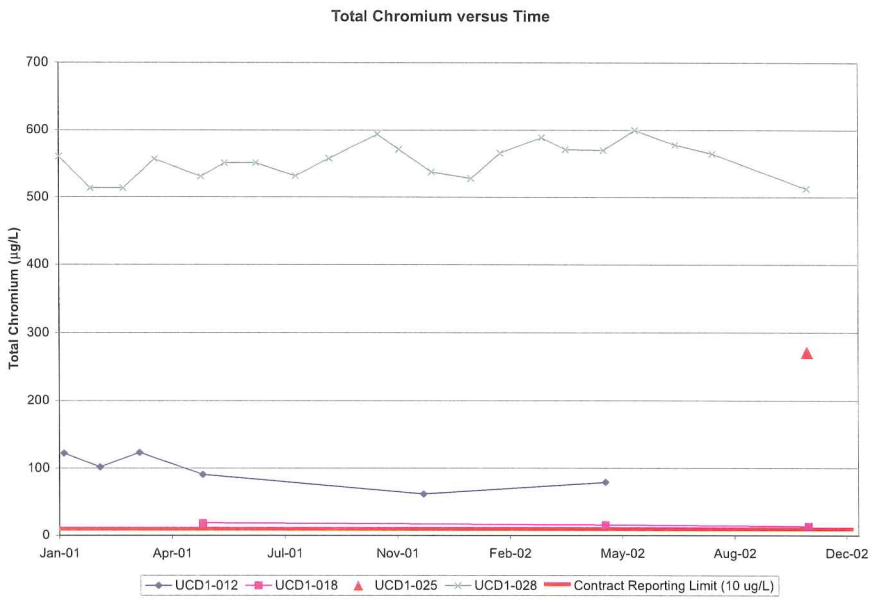
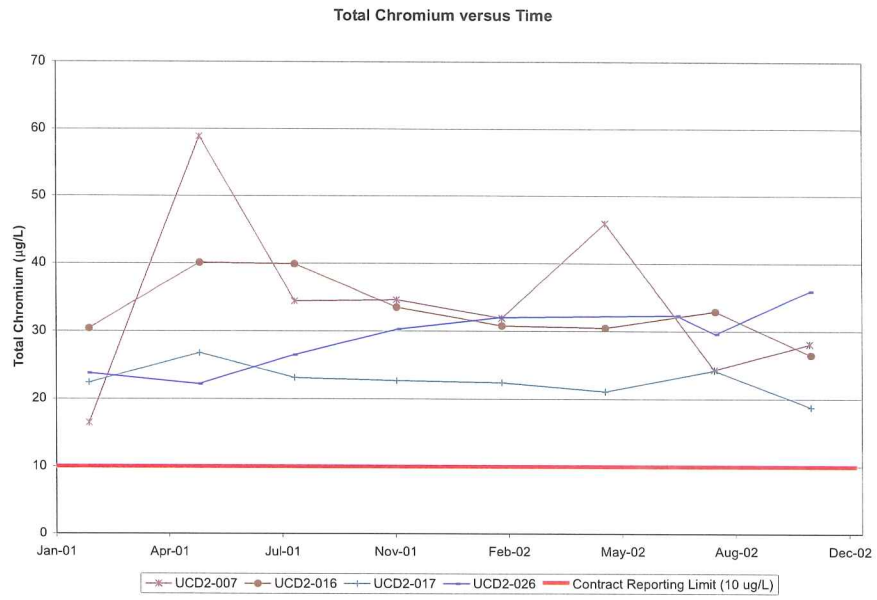
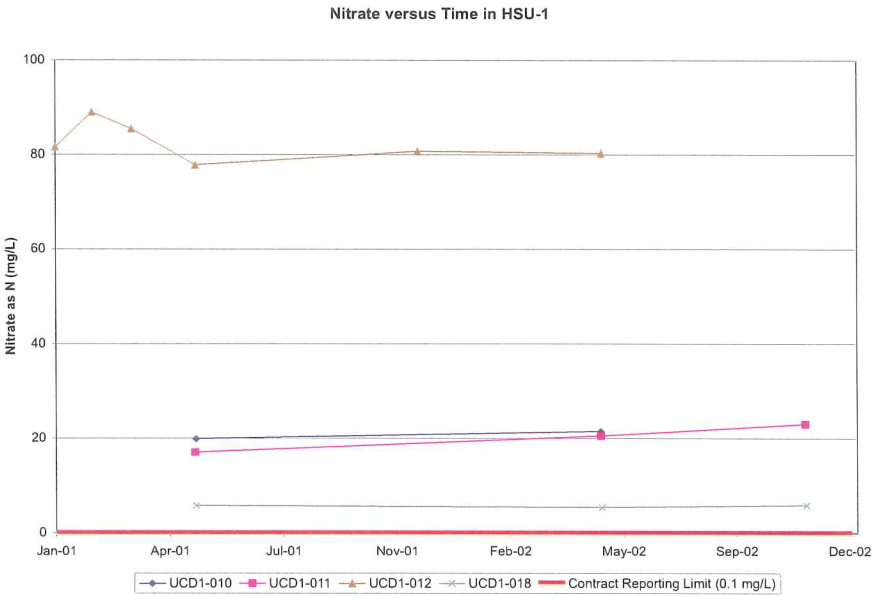
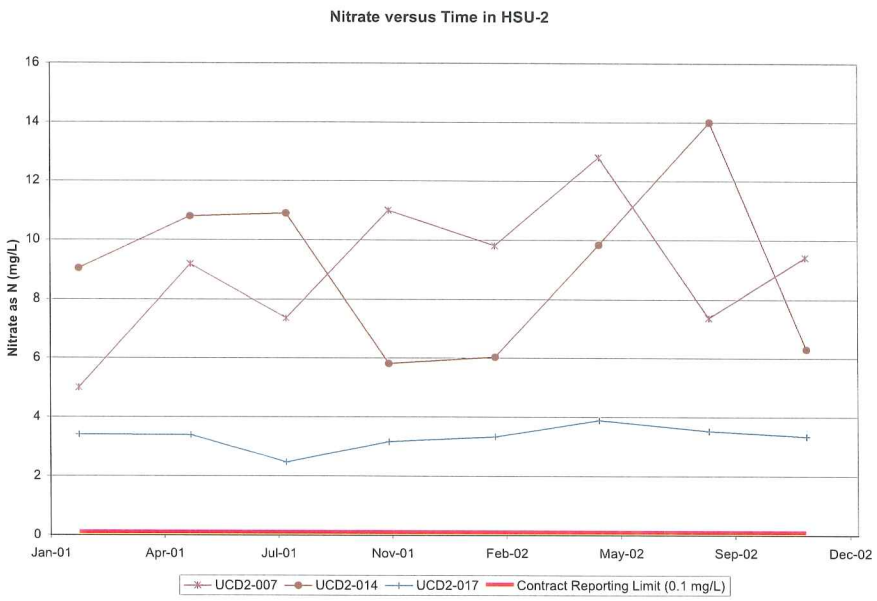




PLOTS OF TOTAL CHROMIUM VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California





PLOTS OF NITRATE AS N VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

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LEHR/SCDS
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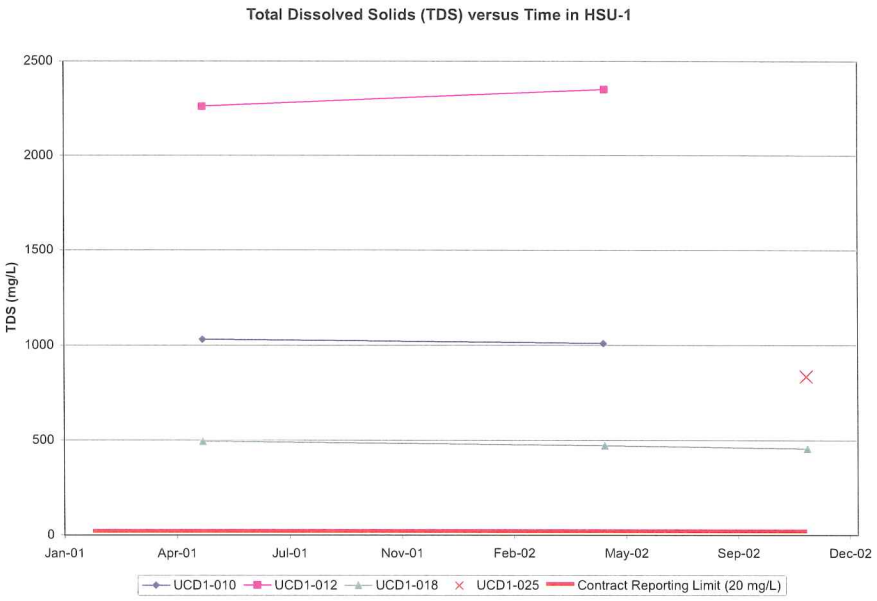

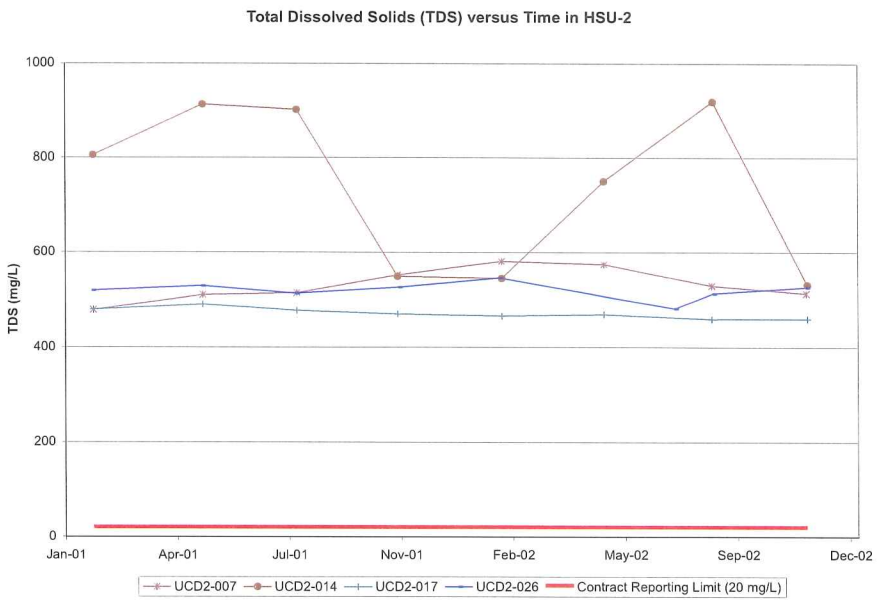

PLOTS OF TDS VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

2002 Comprehensive Annual Water Monitoring Report
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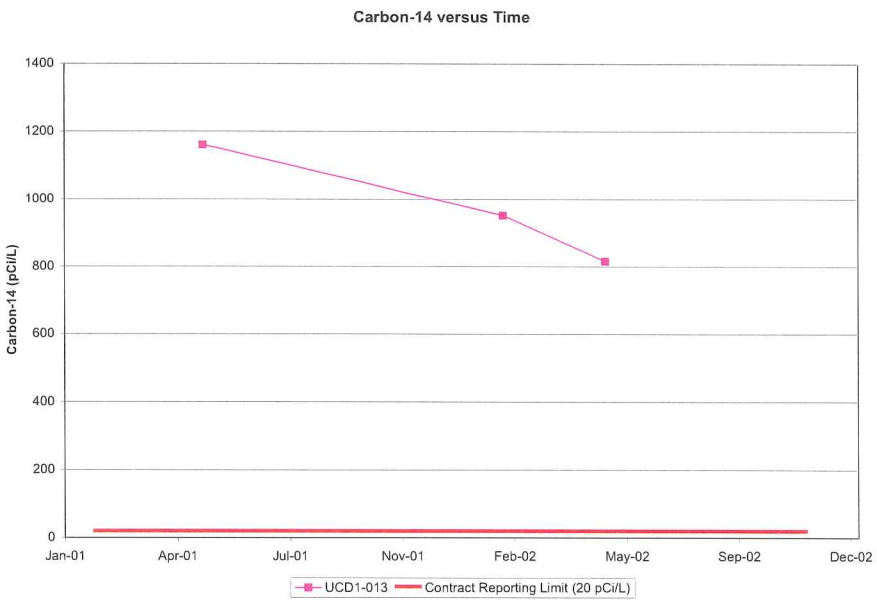

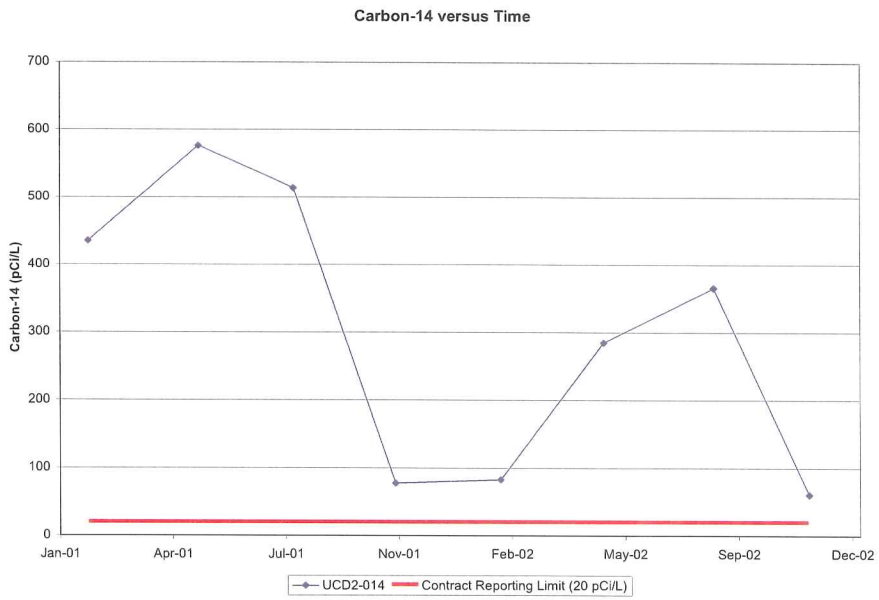

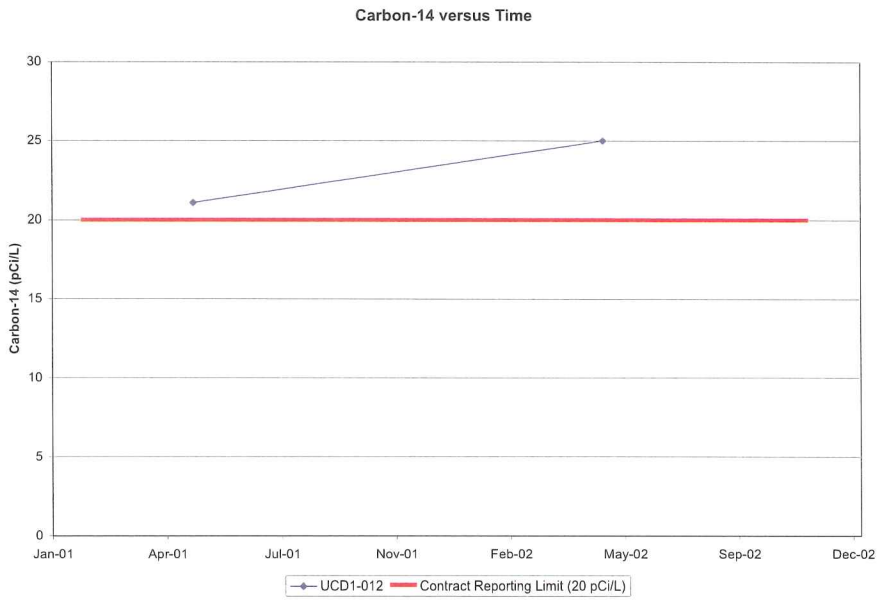

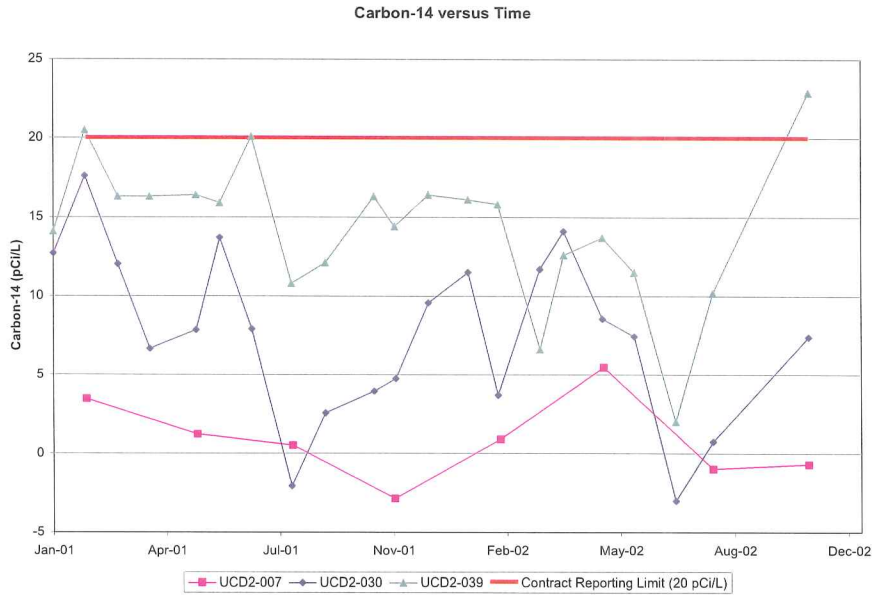

PLOTS OF CARBON-14 VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

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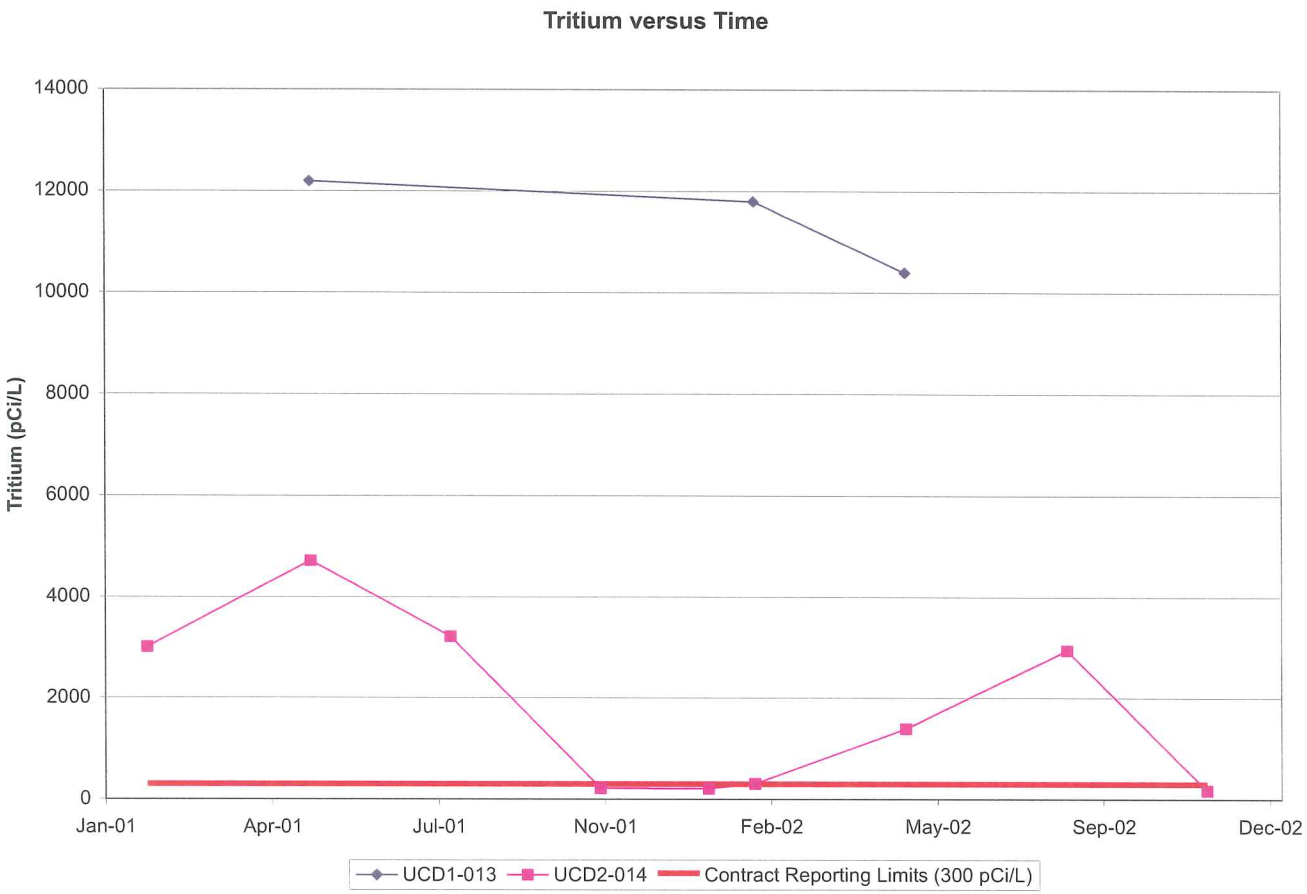

PLOT OF TRITIUM VERSUS TIME IN SELECTED HSU-1 AND HSU-2 WELLS

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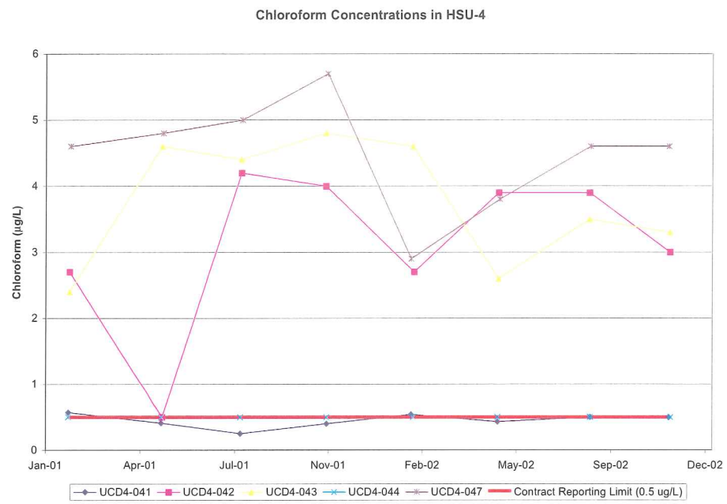
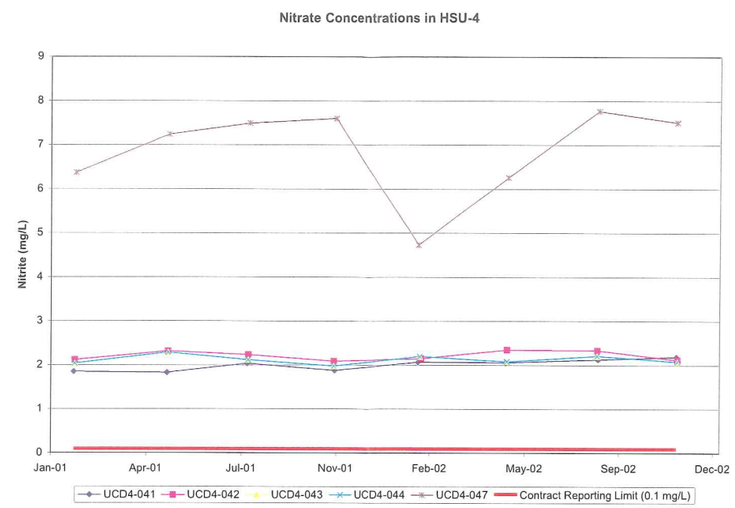
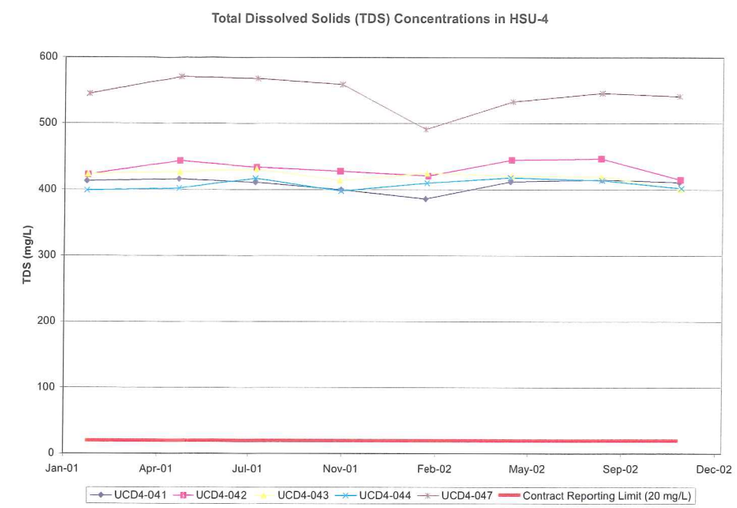
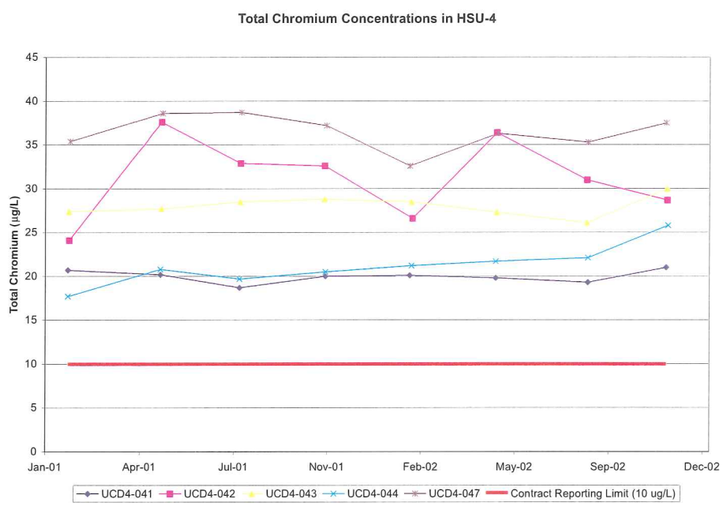
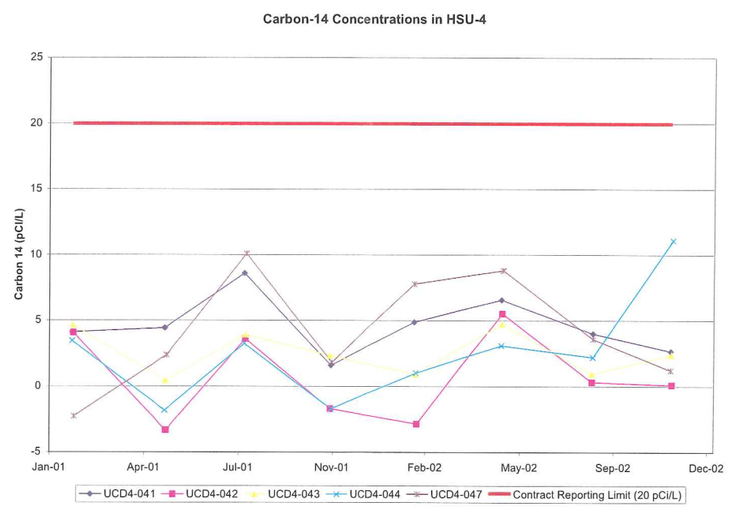
Davis, California

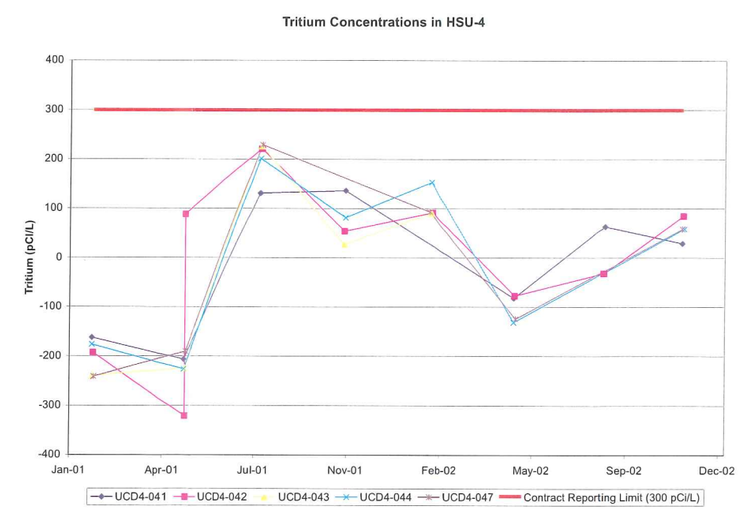












TIME VS. CONCENTRATIONS IN HSU-4 GRAPHS

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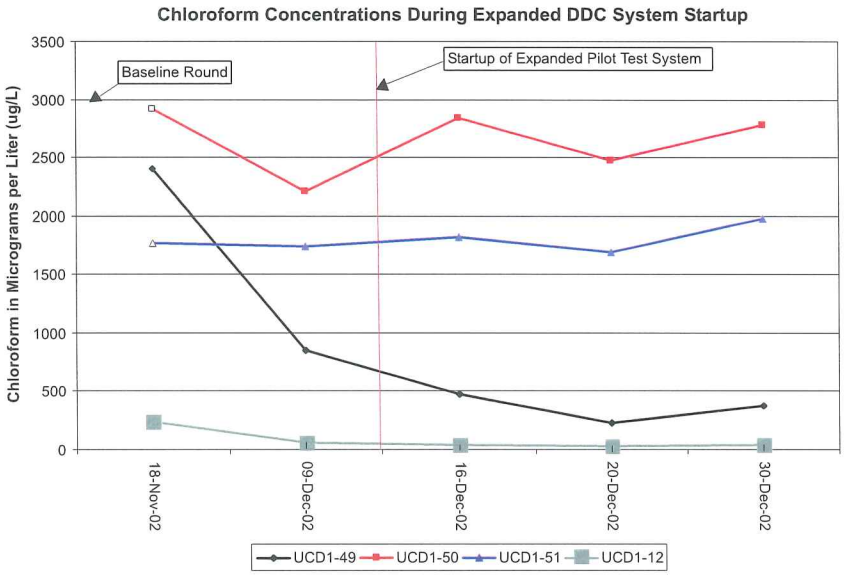
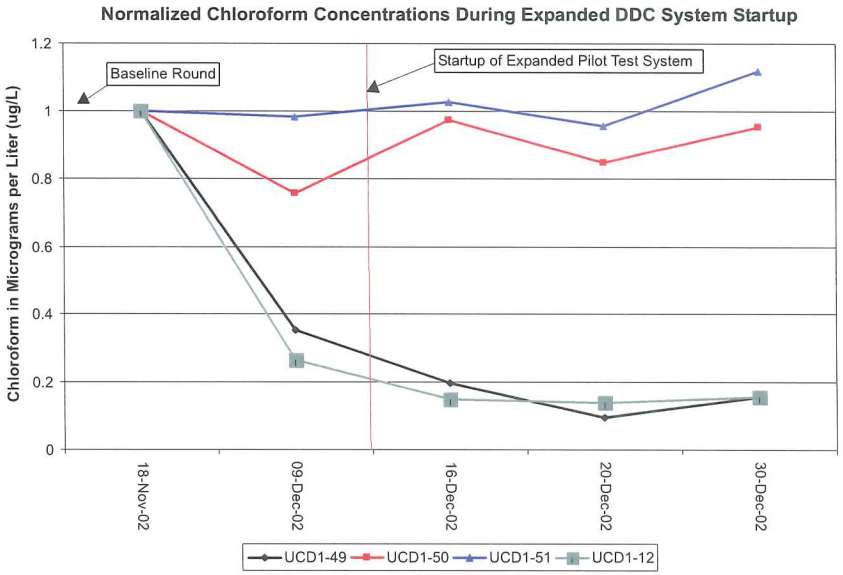
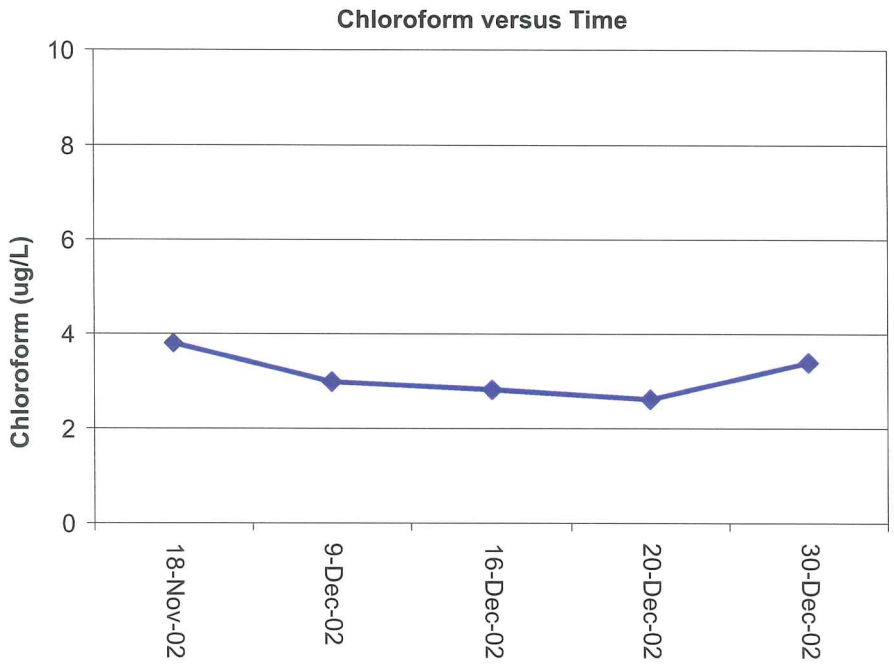
Davis, California





SUMMARY OF GROUNDWATER RESULTS
STARTUP OF EXPANDED DDC PILOT TEST SYSTEM - 2002 RESULTS

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California



SUMMARY OF 2002 CHLOROFORM RESULTS - EXPANDED DDC PILOT TEST SYSTEM UCD2-48

2002 Comprehensive Annual Water Monitoring Report
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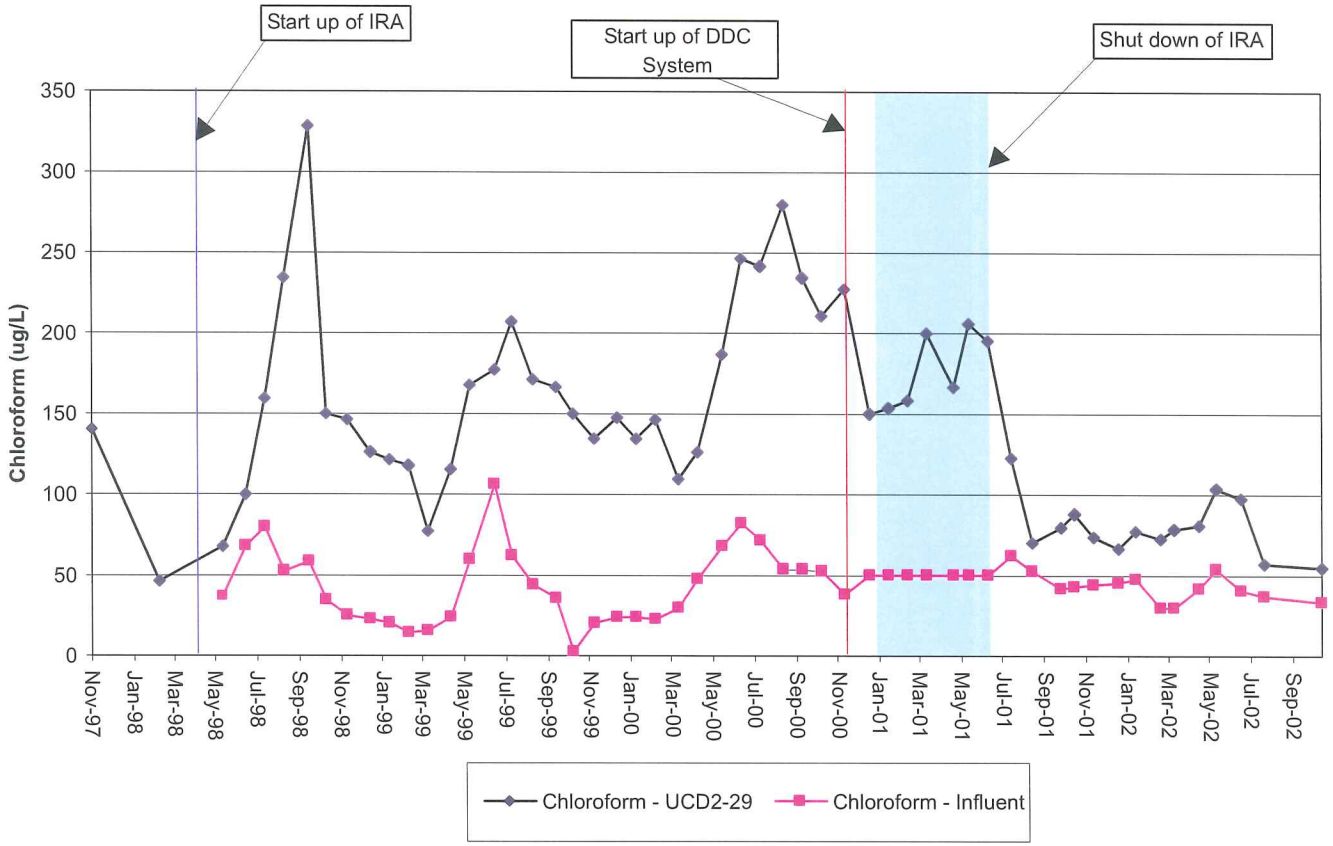
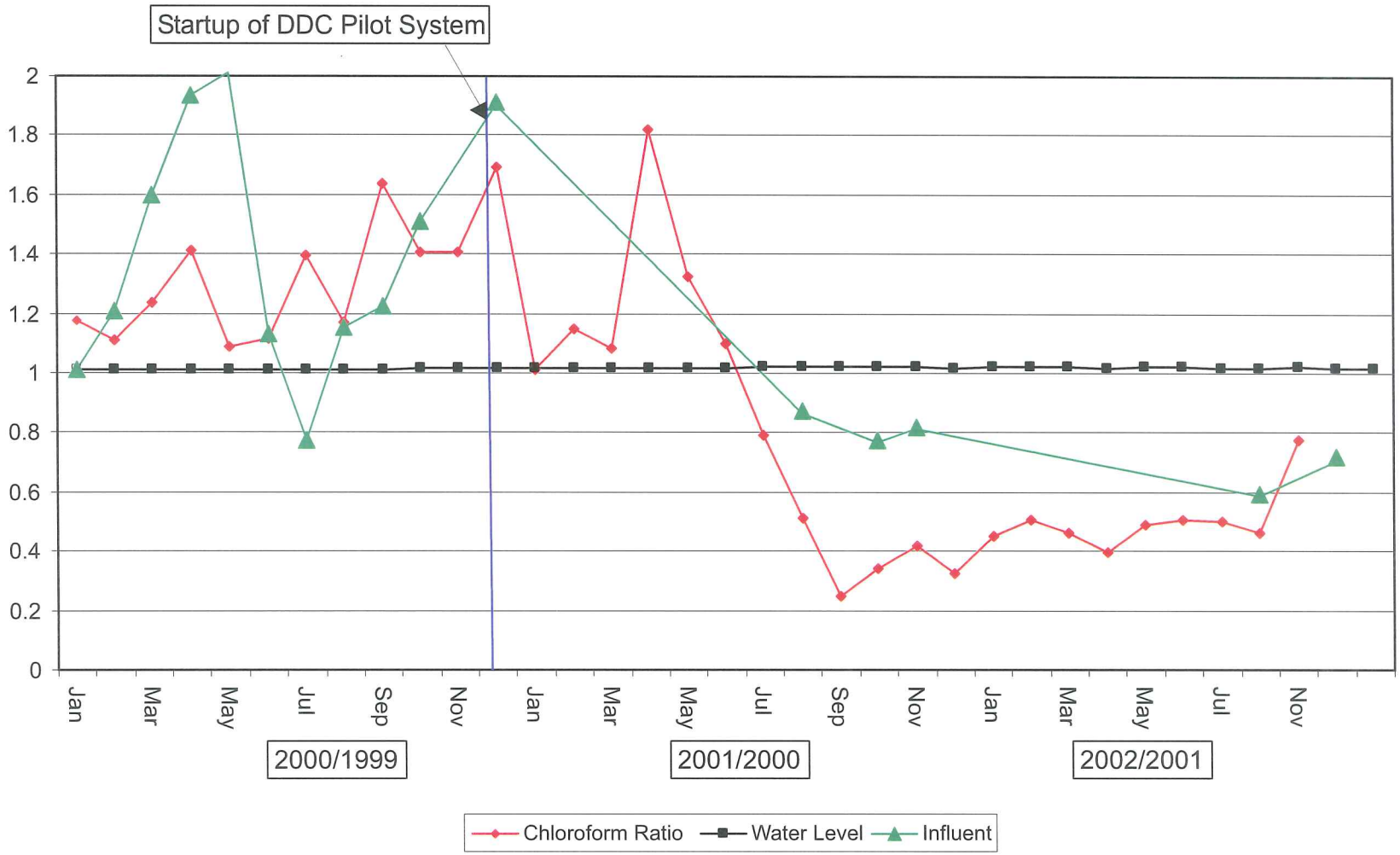


CHLOROFORM CONCENTRATIONS IN UCD2-29 AND IRA INFLUENT 1997-2002

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California



NORMALIZED CHLOROFORM CONCENTRATIONS IN UCD2-29 AND IRA INFLUENT

2002 Comprehensive Annual Water Monitoring Report
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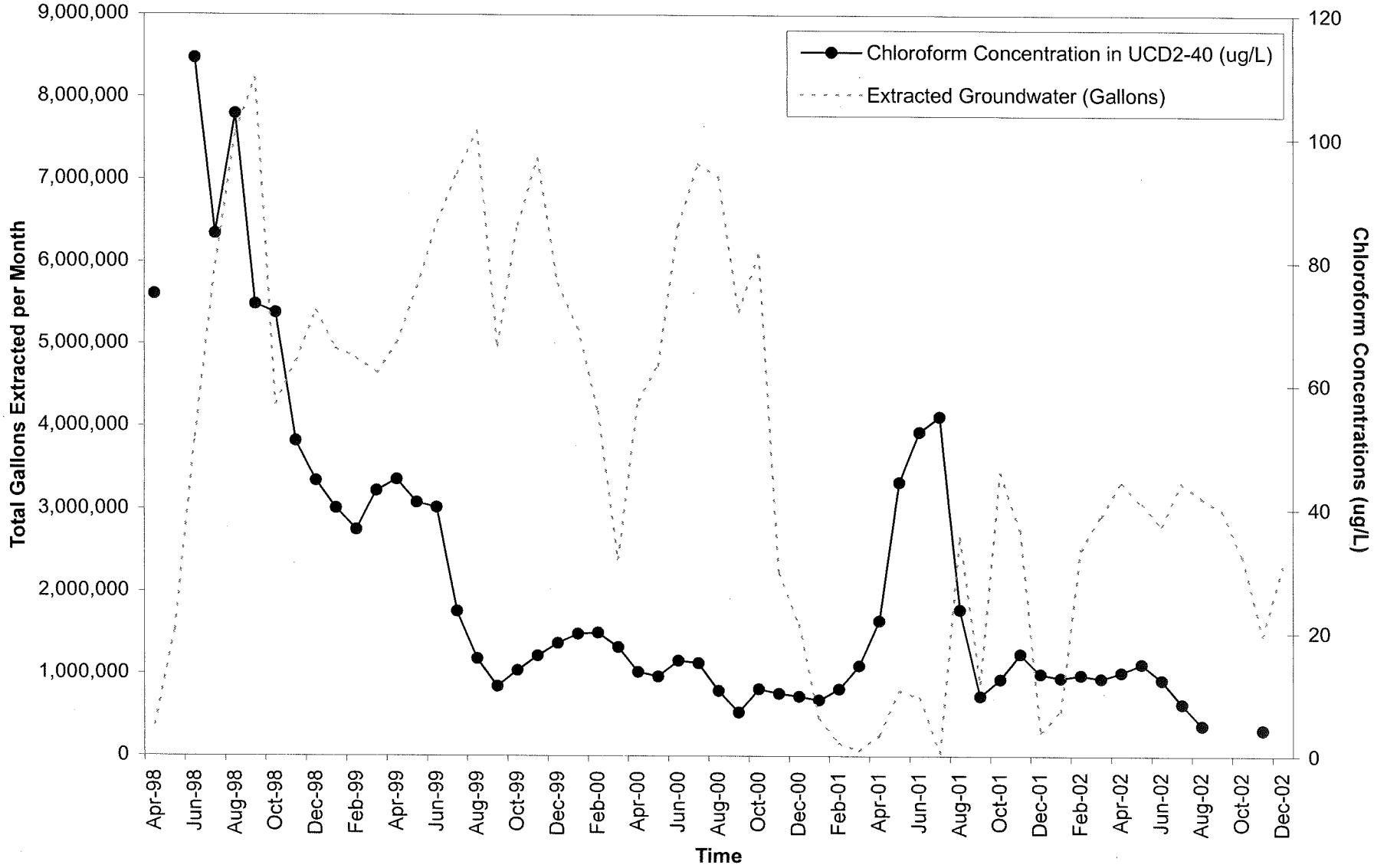
Davis, California



CHLOROFORM CONCENTRATIONS IN MONITORING WELL UCD2-40 VERSUS MONTHLY VOLUME OF EXTRACTED GROUNDWATER

2002 Comprehensive Annual Water Monitoring Report
LEHR/SCDS
Davis, California

APPENDIX A

Complete Analytical Results for 2002 Groundwater Treatment System

APPENDIX A
FIELD PARAMETERS - TREATMENT PLANT
2002 ANNUAL REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION
DAVIS, CALIFORNIA

Location	Analyte Units Date	EC-F umhos/cm	PH-F pH units	TEMPERATURE degree C	TURBIDITY-F ntu
TP Influent	2/5/2002	838	7.58	17.7	0.12
TP Influent	3/13/2002	872	7.34	17.1	0.11
TP Influent	4/3/2002	834	7.49	18.2	0.15
TP Influent	5/7/2002	867	7.42	18.5	0.14
TP Influent	6/6/2002	834	7.04	20.1	0.16
TP Influent	7/10/2002	813	7.34	19.6	0.19
TP Influent	8/12/2002	814	7.11	18.7	0.21
TP Influent	9/4/2002	810	7.20	19.4	0.45
TP Influent	10/3/2002	845	7.02	19.8	0.14
TP Influent	11/6/2002	795	7.51	18.6	0.48
TP Influent	12/3/2002	833	7.12	18.4	0.45
TP Effluent	1/9/2002	816	8.54	16.5	0.07
TP Effluent	1/14/2002	840	7.63	17.6	0.12
TP Effluent	2/5/2002	819	8.39	16.9	0.09
TP Effluent	3/13/2002	809	8.17	16.7	0.17
TP Effluent	3/26/2002	813	8.17	17.6	0.35
TP Effluent	4/3/2002	762	8.17	17.7	0.66
TP Effluent	5/7/2002	776	8.12	18.3	0.44
TP Effluent	6/6/2002	806	7.49	19.7	0.19
TP Effluent	7/10/2002	801	7.78	19.9	0.13
TP Effluent	8/12/2002	796	7.58	18.8	0.12
TP Effluent	9/4/2002	795	8.10	19.4	0.17
TP Effluent	10/3/2002	745	7.41	20.3	0.13
TP Effluent	11/6/2002	776	8.21	18	0.18
TP Effluent	12/3/2002	795	8.06	18.1	0.10

APPENDIX A
VOLATILE ORGANIC COMPOUNDS - TREATMENT PLANT
2002 ANNUAL REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION
DAVIS, CALIFORNIA

			INFLUENT															
		Location	SP-2		SP-2		SP-2		SP-2		SP-2		SP-2		SP-2		SP-2	
		Flow Type	INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT	
		Sample ID	TPIN0162		TPIN0164		TPIN0267		TPIN0270		TPIN0275		TPIN0280		TPIN0284		TPIN0289	
		Date	1/9/2002		2/5/2002		3/13/2002		4/3/2002		5/7/2002		6/6/2002		7/10/2002		8/12/2002	
		QA																
Analyte	CRDL	Units																
1,1,1-TRICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2,2-TETRACHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2-TRICHLOROETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-DICHLOROETHANE	**0.50**	ug/L	<0.50	U	0.27	J	<0.50	U	0.31	J	0.27	J	0.28	J	<0.50	U	<0.50	U
1,1-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	0.26	J	<0.50	U	<0.50	U	<0.50	U	0.26	J	<0.50	U	<0.50	U
1,2-DIBROMO-3-CHLOROPROPANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DIBROMOETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROETHANE	**0.50**	ug/L	0.45	J	**0.57**		0.43	J	0.45	J	**0.52**		**0.5**		<0.50	U	0.34	J
1,2-DICHLOROPROPANE	**0.50**	ug/L	0.47	J	0.47	J	0.38	J	0.4	J	0.46	J	0.44	J	<0.50	U	0.3	J
1,3-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,4-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
2-BUTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
2-HEXANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
4-METHYL-2-PENTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
ACETONE	**5.0**	ug/L	<2.2	JB	<3.0	JB	<5.0	U	<5.0	U	<1.4	JB	<5.0	U	<5.0	U	<5.0	U
BENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOCHLOROMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
BROMODICHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOFORM	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON DISULFIDE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON TETRACHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROFORM	**0.50**	ug/L	**45.1**		**48**		**29.6**		**29.9**		**41.9**		**53.3**		**40.3**		**36.8**	
CHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CIS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CIS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
DIBROMOCHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
ETHYLBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
METHYLENE CHLORIDE	**1.0**	ug/L	<0.39	J	<1.0	U	<1.0	U	<1.0	U	<0.61	JB	0.82	JB	**<1.3**		<0.72	JBUyz
STYRENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TETRACHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TOLUENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
VINYL CHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
XYLENES (TOTAL)	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

NOTES: Numbers in **BOLD** are positive detections

APP. X A
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DAVIS, CALIFORNIA

			INFLUENT								EFFLUENT									
		Location	SP-2		SP-2		SP-2		SP-2		SP-5		SP-5		SP-5		SP-5		SP-5	
		Flow Type	INFLUENT		INFLUENT		INFLUENT		INFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT	
		Sample ID	TPIN0292		TPIN0294		TPIN0295		TPIN0297		TPEF0162		TPEF0164		TPEF0267		TPEF0270		TPEF0275	
		Date	9/4/2002		10/3/2002		11/6/2002		12/3/2002		1/9/2002		2/5/2002		3/13/2002		4/3/2002		5/7/2002	
		QA																		
Analyte	CRDL	Units																		
1,1,1-TRICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2,2-TETRACHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2-TRICHLOROETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-DICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DIBROMO-3-CHLOROPROPANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DIBROMOETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROETHANE	**0.50**	ug/L	0.33	J	0.36	J	0.36	JJc	0.41	J	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROPROPANE	**0.50**	ug/L	0.28	J	<0.50	U	<0.50	U	0.39	J	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,3-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,4-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
2-BUTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
2-HEXANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
4-METHYL-2-PENTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
ACETONE	**5.0**	ug/L	1.7	J	<1.5	JBUz	<5.0	U	<3.1	JUy	<2.7	JB	<7.2	B	<5.0	U	<5.0	U	<1.8	JB
BENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOCHLOROMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
BROMODICHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOFORM	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON DISULFIDE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON TETRACHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROFORM	**0.50**	ug/L	**32.8**		**30**		**44.9**		**31.5**		<0.50	U	<0.50	U	<0.50	U	<0.50	U	0.42	J
CHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CIS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CIS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
DIBROMOCHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
ETHYLBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
METHYLENE CHLORIDE	**1.0**	ug/L	<0.50	JUy	<1.0	U	<1.0	U	<1.0	U	<0.46	J	<1.0	U	<1.0	U	<1.0	U	<0.78	JB
STYRENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TETRACHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TOLUENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
VINYL CHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
XYLENES (TOTAL)	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

NOTES: Numbers in **BOLD** are positive detections

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DAVIS, CALIFORNIA

			EFFLUENT													
		Location	SP-5		SP-5		SP-5		SP-5		SP-5		SP-5		SP-5	
		Flow Type	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT	
		Sample ID	TPEF0280		TPEF0284		TPEF0289		TPEF0292		TPEF0294		TPEF0295		TPEF0297	
		Date	6/6/2002		7/10/2002		8/12/2002		9/4/2002		10/3/2002		11/6/2002		12/3/2002	
		QA														
Analyte	CRDL	Units														
1,1,1-TRICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2,2-TETRACHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1,2-TRICHLOROETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
1,1-DICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,1-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DIBROMO-3-CHLOROPROPANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DIBROMOETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,2-DICHLOROPROPANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,3-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
1,4-DICHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
2-BUTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
2-HEXANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
4-METHYL-2-PENTANONE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
ACETONE	**5.0**	ug/L	<5.0	U	0.88	J	<0.74	JUy	2	J	<1.9	JBUz	<5.0	U	<4.2	JUy
BENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOCHLOROMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
BROMODICHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOFORM	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
BROMOMETHANE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON DISULFIDE	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U
CARBON TETRACHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROFORM	**0.50**	ug/L	**2.9**		**3**		<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	0.3	J	<0.50	U	<0.50	U	<0.50	U
CIS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
CIS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
DIBROMOCHLOROMETHANE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
ETHYLBENZENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
METHYLENE CHLORIDE	**1.0**	ug/L	0.73	JB	<1.0, <1.3	U	<0.60	JBUyz	0.49	JUy	<1.0	U	<1.0	U	<1.0	U
STYRENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TETRACHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TOLUENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,2-DICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRANS-1,3-DICHLOROPROPENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
TRICHLOROETHENE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
VINYL CHLORIDE	**0.50**	ug/L	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U	<0.50	U
XYLENES (TOTAL)	**1.0**	ug/L	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U	<1.0	U

NOTES: Numbers in **BOLD** are positive detections

APP. .X A
METALS - TREATMENT PLANT
2002 ANNUAL REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION
DAVIS, CALIFORNIA

				EFFLUENT					
Analyte	CRDL	Effluent Discharge Limits for Irrigation	Location Flow Type Sample ID Date QA Units	SP-5 EFFLUENT TPEF0162 1/9/2002	SP-5 EFFLUENT TPEF0164 2/5/2002	SP-5 EFFLUENT TPEF0267 3/13/2002	SP-5 EFFLUENT TPEF0270 4/3/2002	SP-5 EFFLUENT TPEF0275 5/7/2002	SP-5 EFFLUENT TPEF0280 6/6/2002
ANTIMONY	5		ug/L						
ARSENIC	3	10.0	ug/L						
BARIUM	20	490	ug/L						
BERYLLIUM	1		ug/L						
BORON	50	791.0	ug/L						
CADMIUM	1	1.0	ug/L						
CALCIUM	2000		ug/L						
CHROMIUM	10	44.6/32(1)	ug/L	**23.3**	**24.8**	**23.8**	**21.6**	**22.2**	**25**
COBALT	10		ug/L						
COPPER	10		ug/L						
IRON	100		ug/L						
LEAD	3	2.0	ug/L						
MAGNESIUM	2000		ug/L						
MANGANESE	10	50.0	ug/L						
MERCURY	0.2	1.2	ug/L						
MOLYBDENUM	10		ug/L						
NICKEL	20	100	ug/L						
POTASSIUM	2000		ug/L						
SELENIUM	3		ug/L						
SILVER	10		ug/L						
SODIUM	2000		ug/L						
THALLIUM	10		ug/L						
VANADIUM	10		ug/L						
ZINC	20	2,000	ug/L						

(1) - Effluent discharge standards for injection
NOTES: Numbers in **BOLD** are positive detections
LTPS was initiated in July 2002, therefore
metals other than chromium were not detected

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METALS - TREATMENT PLANT
2002 ANNUAL REPORT
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				EFFLUENT										
Analyte	CRDL	Effluent Discharge Limits for Irrigation	Location Flow Type Sample ID Date QA Units	SP-5 EFFLUENT TPEF0284 7/10/2002	SP-5 EFFLUENT TPEF0289 8/12/2002		SP-5 EFFLUENT TPEF0292 9/4/2002		SP-5 EFFLUENT TPEF0294 10/3/2002		SP-5 EFFLUENT TPEF0295 11/6/2002		SP-5 EFFLUENT TPEF0297 12/3/2002	
ANTIMONY	5		ug/L		0.057	B	<0.051	U	<0.409	BUo	<0.045	BUp	<0.092	BUop
ARSENIC	3	10.0	ug/L		1.53	B	<1.09	BUop	4.09		<4.6	Up	<2.56	BUp
BARIUM	20	490	ug/L		**148**		**166**		**150**		**181**		**168**	**ENJkm**
BERYLLIUM	1		ug/L		<0.028	U	<0.028	U	<0.028	U	<0.030	U	<0.040	U
BORON	50	791.0	ug/L		**528**		**572**	**E**	**524**		**662**		**512**	**EJk**
CADMIUM	1	1.0	ug/L		<0.029	U	<0.029	U	<0.029	U	<0.022	U	<0.014	U
CALCIUM	2000		ug/L		**42300**		**41800**		**41600**		**42300**		**42600**	
CHROMIUM	10	44.6/32(1)	ug/L	**25.8**	**26.1**		**26.8**		**20.9**		**21.9**		**26.9**	
COBALT	10		ug/L		0.191	B	0.225	B	0.337	B	0.497	B	0.212	B
COPPER	10		ug/L		1.83	B	<1.86	BUp	<2.58	BEUp	3.65	B	<1.89	BUJkp
IRON	100		ug/L		77	B	71.8	B	<92.4	BUp	71.6	BJk	<89.5	Up
LEAD	3	2.0	ug/L		0.03	B	<0.035	BUo	<0.036	BUp	0.063	B	<0.019	BUop
MAGNESIUM	2000		ug/L		**74000**		**73500**		**67600**		**75200**		**76300**	
MANGANESE	10	50.0	ug/L		0.154	B	0.255	B	1.51	B	<0.497	BUp	<0.211	BUp
MERCURY	0.2	1.2	ug/L		0.042	B	<0.040	U	<0.039	U	<0.039	U	<0.039	U
MOLYBDENUM	10		ug/L		1.47	B	1.49	B	1.43	B	1.72	B	1.63	B
NICKEL	20	100	ug/L		1.36	B	1.28	B	1.65	B	2.1	B	1.26	BJk
POTASSIUM	2000		ug/L		736	B	745	B	910	B	754	B	790	B
SELENIUM	3		ug/L		2.32	B	2.2	B	2.38	B	<3.33	Up	<3.67	Up
SILVER	10		ug/L		<0.006	U	<0.006	U	<0.006	U	<0.006	U	<0.008	U
SODIUM	2000		ug/L		**40500**		**39200**		**34100**	**E**	**39500**		**41700**	
THALLIUM	10		ug/L		0.044	B	0.361	B	<0.045	BEUo	<0.054	BUo	0.02	BUop
VANADIUM	10		ug/L		11.1		12.4		13.5		8.94	B	8.35	B
ZINC	20	2,000	ug/L		3.06	B	4.56	B	<3.36	BUp	7.77	BEJk	<3.15	BUJkp

(1) - Effluent discharge standards for injection
NOTES: Numbers in **BOLD** are positive detections
LTPS was initiated in July 2002, therefore
metals other than chromium were not detected

APP
GENERAL CHEMISTRY - TREATMENT PLANT
2002 ANNUAL REPORT
LEHR/SCDS ENVIRONMENTAL RESTORATION
DAVIS, CALIFORNIA

				INFLUENT												EFFLUENT				
Analyte	CRDL	Effluent Discharge Limits for Injection	Location Flow Type Sample ID Date QA Units	SP-2 INFLUENT TPIN0162 1/9/2002	SP-2 INFLUENT TPIN0164 2/5/2002	SP-2 INFLUENT TPIN0267 3/13/2002	SP-2 INFLUENT TPIN0270 4/3/2002	SP-2 INFLUENT TPIN0275 5/7/2002	SP-2 INFLUENT TPIN0280 6/6/2002	SP-2 INFLUENT TPIN0284 7/10/2002	SP-2 INFLUENT TPIN0289 8/12/2002	SP-2 INFLUENT TPIN0292 9/4/2002	SP-2 INFLUENT TPIN0294 10/3/2002	SP-2 INFLUENT TPIN0295 11/6/2002	SP-2 INFLUENT TPIN0297 12/3/2002	SP-5 EFFLUENT TPEF 0281 6/17/2002	SP-5 EFFLUENT TPEF 0282 6/24/2002	SP-5 EFFLUENT TPEF0162 1/9/2002	SP-5 EFFLUENT TPEF0163 1/14/2002	SP-5 EFFLUENT TPEF0164 2/5/2002
ALKALINITY, TOTAL AS CACO3	10		mg/L	--	--	--	--	--	--	--	--	--								
CHLORIDES	1	106[1]	mg/L	--	--	--	--	--	--	--	--	--								
NITROGEN, NITRATE	0.1	7.7/27.4[1]	mg/L	--	--	--	--	--	--	--	--	--				4.9	6.5	7.85	8	7.97
SULFATE AS SO4	1	250[1]	mg/L	--	--	--	--	--	--	--	--	--								
TOTAL DISSOLVED SOLIDS	20	485.0	mg/L	--	--	--	--	--	--	--	--	--				464	511	537	525	512
TOTAL ORGANIC CARBON	1.00		mg/L	1.25	1.24	0.902 J	0.982 J	1.02	1.05	0.707 J	1.06	0.152 J	0.961 J	1.01	1					

(1) - Effluent standards for irrigation
NOTES: Numbers in BOLD are positive detections

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GENERAL CHEMISTRY - TREATMENT PLANT
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				EFFLUENT																
		Effluent Discharge Limits for Injection	Location Flow Type Sample ID Date QA	SP-5 EFFLUENT TPEF0265 2/21/2002	SP-5 EFFLUENT TPEF0266 3/6/2002	SP-5 EFFLUENT TPEF0267 3/13/2002	SP-5 EFFLUENT TPEF0268 3/18/2002	SP-5 EFFLUENT TPEF0270 4/3/2002	SP-5 EFFLUENT TPEF0271 4/8/2002	SP-5 EFFLUENT TPEF0272 4/15/2002	SP-5 EFFLUENT TPEF0273 4/22/2002	SP-5 EFFLUENT TPEF0274 4/29/2002	SP-5 EFFLUENT TPEF0275 5/7/2002	SP-5 EFFLUENT TPEF0276 5/15/2002	SP-5 EFFLUENT TPEF0277 5/20/2002	SP-5 EFFLUENT TPEF0278 5/30/2002	SP-5 EFFLUENT TPEF0279 6/11/2002	SP-5 EFFLUENT TPEF0280 6/6/2002	SP-5 EFFLUENT TPEF0283 7/1/2002	SP-5 EFFLUENT TPEF0284 7/10/2002
Analyte	CRDL		Units																	
ALKALINITY, TOTAL AS CACO3	10		mg/L																	
CHLORIDES	1	106[1]	mg/L																	
NITROGEN, NITRATE	0.1	7.7/27.4[1]	mg/L	7.7 Q	6.9	6.56 H	7.2	6.23	6.3	6.6	6.9	6.6 Q	6.31 H	6.7	6.6	5.7	5.1	7.25	6.4	6.61
SULFATE AS SO4	1	250[1]	mg/L																	
TOTAL DISSOLVED SOLIDS	20	485.0	mg/L	513	509	511	522	482	175	503	520	464	485	501	522	471	459	557	511	492
TOTAL ORGANIC CARBON	1.00		mg/L																	

(1) - Effluent standards for irrigation
NOTES: Numbers in **BOLD** are positive detections

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				EFFLUENT											
			Location	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5	SP-5
			Flow Type	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
		Effluent	Sample ID	TPEF0285	TPEF0286	TPEF0287	TPEF0288	TPEF0289	TPEF0290	TPEF0291	TPEF0293	TPEF0294	TPEF0295	TPEF0296	TPEF0297
		Discharge	Date	7/16/2002	7/23/2002	7/31/2002	8/6/2002	8/12/2002	8/19/2002	8/29/2002	9/18/2002	10/3/2002	11/6/2002	11/12/2002	12/3/2002
		Limits for	QA												
Analyte	CRDL	Injection	Units												
ALKALINITY, TOTAL AS CACO3	10		mg/L					317				403	468		405
CHLORIDES	1	106(1)	mg/L					19.7				18.3	20.1		21
NITROGEN, NITRATE	0.1	7.7/27.4(1)	mg/L	4.6	6.5	6.7 J Q	6.8	6.91	6.9	5.9	5.8	5.73 HJh	6.45	5.4 Q	7.08
SULFATE AS SO4	1	250(1)	mg/L					37.9				37.3	39.4		39.6
TOTAL DISSOLVED SOLIDS	20	485.0	mg/L	503	526	530	537	520	523	495	444	457	468	460	481
TOTAL ORGANIC CARBON	1.00		mg/L												

(1) - Effluent standards for irrigation
NOTES: Numbers in BOLD are positive detections

APP: . A
RADIONUCLIDES - TREATMENT PLANT
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				INFLUENT													
			Location	SP-2		SP-2		SP-2		SP-2		SP-2		SP-2		SP-2	
			Flow Type	INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT	
			Sample ID	TPIN0162		TPIN0164		TPIN0267		TPIN0270		TPIN0275		TPIN0280		TPIN0284	
		Effluent	Date	1/9/2002		2/5/2002		3/13/2002		4/3/2002		5/7/2002		6/6/2002		7/10/2002	
		Discharge	QA														
Analyte	CRDL	Standards	Units														
CARBON-14	20	20(1)/50(2)	pCi/L	16.8		<4.14	U	7.82		<5.62	U	<5.00	U	<5.90	U	<-4.46	U
TRITIUM	300	200(1)/300(2)	pCi/L	<26.4	U	<118	U	<110	U	<0.00	U	<18.9	U	<133	U	<-107	U

(1) Effluent discharge standards for injection
(2) Effluent discharge standards for irrigation
NOTES: Numbers in **BOLD** are positive detections

APP. A
RADIONUCLIDES - TREATMENT PLANT
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				INFLUENT									
			Location	SP-2		SP-2		SP-2		SP-2		SP-2	
			Flow Type	INFLUENT		INFLUENT		INFLUENT		INFLUENT		INFLUENT	
			Sample ID	TPIN0289		TPIN0292		TPIN0294		TPIN0295		TPIN0297	
		Effluent	Date	8/12/2002		9/4/2002		10/3/2002		11/6/2002		12/3/2002	
		Discharge	QA										
Analyte	CRDL	Standards	Units										
CARBON-14	20	20(1)/50(2)	pCi/L	<-3.26	U	<-4.3	U	<-2.44	U	<5.68	UUJv	<4.52	U
TRITIUM	300	200(1)/300(2)	pCi/L	<56.9	U	<-82.5	U	<-87.6	U	<29.2	U	<-27	U

(1) Effluent discharge standards for injection
(2) Effluent discharge standards for irrigation
NOTES: Numbers in **BOLD** are positive detections

APPENDIX B

Complete Analytical Results for 2002 Groundwater, DDC, Surface Water, and Storm Water

APPENDIX B
SEMI-VOLATILE ORGANIC COMPOUNDS - GROUNDWATER
2002 Annual Groundwater Treatment System and Water Monitoring Report
LEHR/SCDS Environmental Restoration
Davis, California

		Location	TP-1B	TP-1B	TP-1B	TP-1B	TP-1C	TP-1C	TP-1C	TP-2B	TP-2B
		Sample ID	02111510	W02022102	W02052905	W02052906	02111511	W02022103	W02052801	02111512	W02022104
		Date	11/15/2002	2/21/2002	5/29/2002	5/29/2002	11/15/2002	2/21/2002	5/28/2002	11/15/2002	2/21/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 2	0.58 J	< 2	0.47 J	18.2	18.5 J	< 50	< 25	< 25
1,1-DICHLOROETHANE	0.5	UG/L	< 1	< 1	< 1	0.34 J	8.8	< 25	< 25	< 12.5	< 12.5
1,1-DICHLOROETHENE	0.5	UG/L	< 1	< 1	< 1	0.3 J	< 5	< 25	< 25	< 12.5	< 12.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,2-DICHLOROETHANE	0.5	UG/L	< 1	< 1	< 1	0.28 J	4.3 J	< 25	< 25	< 12.5	< 12.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
2-HEXANONE	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
ACETONE	5	UG/L	< 10	4.9 JB	< 10	1.2 J	< 50	37.4 JB	< 250	< 125	19.1 JB
BENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
BROMOCHLOROMETHANE	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
BROMODICHLOROMETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
BROMOFORM	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
BROMOMETHANE	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
CARBON DISULFIDE	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
CARBON TETRACHLORIDE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
CHLOROBENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
CHLOROETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
CHLOROFORM	0.5	UG/L	53.2	139	98.9	103 D	2890 D	3070	2120	1000	1320
CHLOROMETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
ETHYLBENZENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25
METHYLENE CHLORIDE	1	UG/L	< 2	1.8 J	2.4 B	1.6 B	< 10	46 J	45.1 JB	< 25	72.7
STYRENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
TOLUENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
VINYL CHLORIDE	0.5	UG/L	< 1	< 1	< 1	< 0.5	< 5	< 25	< 25	< 12.5	< 12.5
XYLENES, TOTAL	1	UG/L	< 2	< 2	< 2	< 1	< 10	< 50	< 50	< 25	< 25

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		Location	TP-2B	TP-2C	TP-2C	TP-2C	TP-2C	TP-3B	TP-3B	TP-3B	TP-3C
		Sample ID	W02052907	02111514	W02022105	W02022106	W02052802	02111515	W02022107	W02052908	02111516
		Date	5/29/2002	11/15/2002	2/21/2002	2/21/2002	5/28/2002	11/15/2002	2/21/2002	5/29/2002	11/15/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,1,2-TRICHLOROETHANE	1	UG/L	< 25	< 50	19.5 J	19.7 J	17 J	< 25	< 25	< 10	< 100
1,1-DICHLOROETHANE	0.5	UG/L	< 12.5	< 25	< 25	13.1 J	< 25	< 12.5	< 12.5	< 5	< 50
1,1-DICHLOROETHENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,2-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,2-DICHLOROETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,2-DICHLOROPROPANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,3-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
1,4-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
2-HEXANONE	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
ACETONE	5	UG/L	< 125	< 250	14.4 JB	48.3 JB	< 250	< 125	42.5 JB	< 50	< 500
BENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
BROMOCHLOROMETHANE	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
BROMODICHLOROMETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
BROMOFORM	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
BROMOMETHANE	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
CARBON DISULFIDE	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
CARBON TETRACHLORIDE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
CHLOROBENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
CHLOROETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
CHLOROFORM	0.5	UG/L	1390	1930	4190	3980	4160	903	1000	606	4010
CHLOROMETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
DIBROMOCHLOROMETHANE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
ETHYLBENZENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100
METHYLENE CHLORIDE	1	UG/L	36.9 B	< 50	36.9 J	39.9 J	40.4 JB	< 25	33.4	9 JB	< 100
STYRENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
TOLUENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
VINYL CHLORIDE	0.5	UG/L	< 12.5	< 25	< 25	< 25	< 25	< 12.5	< 12.5	< 5	< 50
XYLENES, TOTAL	1	UG/L	< 25	< 50	< 50	< 50	< 50	< 25	< 25	< 10	< 100

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		Location	TP-3C	TP-3C	TP-4B	TP-4B	TP-4B	TP-4C	TP-4C	TP-4C	TP-5B
		Sample ID	W02022108	W02052803	02111517	W02022109	W02052909	02111518	W02022110	W02052804	02111519
		Date	2/21/2002	5/28/2002	11/15/2002	2/21/2002	5/29/2002	11/15/2002	2/21/2002	5/28/2002	11/15/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,1,2-TRICHLOROETHANE	1	UG/L	26.9 J	16 J	< 25	< 10	< 5	< 100	20.4 J	19.3 J	< 50
1,1-DICHLOROETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	16.8 J	< 25	< 25
1,1-DICHLOROETHENE	0.5	UG/L	13.1 J	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,2-DICHLOROBENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,2-DICHLOROETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,2-DICHLOROPROPANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,3-DICHLOROBENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
1,4-DICHLOROBENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
2-HEXANONE	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
ACETONE	5	UG/L	16.9 JB	< 250	< 125	15.4 JB	< 25	< 500	284 B	< 250	< 250
BENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
BROMOCHLOROMETHANE	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
BROMODICHLOROMETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
BROMOFORM	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
BROMOMETHANE	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
CARBON DISULFIDE	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
CARBON TETRACHLORIDE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
CHLOROBENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
CHLOROETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
CHLOROFORM	0.5	UG/L	4550	2920	846	416	285	2360	2680	2280	1200
CHLOROMETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
DIBROMOCHLOROMETHANE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
ETHYLBENZENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50
METHYLENE CHLORIDE	1	UG/L	63.2	42.4 JB	< 25	14.8	3.3 JB	< 100	74.8	192 B	< 50
STYRENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
TOLUENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
VINYL CHLORIDE	0.5	UG/L	< 25	< 25	< 12.5	< 5	< 2.5	< 50	< 25	< 25	< 25
XYLENES, TOTAL	1	UG/L	< 50	< 50	< 25	< 10	< 5	< 100	< 50	< 50	< 50

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		Location	TP-5B	TP-5B	TP-5C	TP-5C	TP-5C	UCD1-001	UCD1-010	UCD1-011	UCD1-011
		Sample ID	W02022111	W02052910	02111520	W02022112	W02052911	GWGW1577	GWGW1459	GWGW1460	GWGW1542a
		Date	2/21/2002	5/29/2002	11/15/2002	2/21/2002	5/29/2002	11/5/2002	5/7/2002	5/7/2002	11/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 10	< 5	< 100	20.9 J	25.4 J	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	8.5 JB	< 25	< 500	20.1 JB	< 250	< 5	< 5	< 5	2.2 J
BENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	550	383	3330	3030	3610	< 0.5	< 0.5	1.9	2.8
CHLOROMETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	21.3	9.8 JB	< 100	52.6	45.8 JB	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 5	< 2.5	< 50	< 25	< 25	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 10	< 5	< 100	< 50	< 50	< 1	< 1	< 1	< 1

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		Location	UCD1-012	UCD1-012	UCD1-012	UCD1-012	UCD1-012	UCD1-012	UCD1-012	UCD1-012	UCD1-013
		Sample ID	02111806	GWGW1461	GWGW1543a	W02022113	W02052805	W02091202	W02121708	W02122001	GWGW1462
		Date	11/18/2002	5/8/2002	11/4/2002	2/21/2002	5/28/2002	12/9/2002	12/17/2002	12/20/2002	5/8/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 10	0.94 J	3.5 J	0.71 J	41 J	0.71 J	0.93 J	0.8 J	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 5	0.35 J	1.4 J	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 10	< 1	< 5	0.32 JB	< 1	< 2	< 1	< 1	< 1
ACETONE	5	UG/L	< 50	< 5	< 25	1 JB	< 5	< 10	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	1.6	< 1	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 10	< 1	< 5	< 1	< 1	< 2	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 10	< 1	< 5	< 1	< 1	< 2	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 10	< 1	< 5	< 1	< 1	< 2	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	238	93.4 D	496 D	47.7	17.1	63.4	35.5	33.3	0.91
CHLOROMETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	31 J	< 1	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 10	< 1	< 5	< 1	< 1	< 2	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 10	< 1	< 5	0.27 JB	< 1	< 2	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 10	< 1	< 5	0.93 J	1.3 B	< 2	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	0.73	< 1	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 5	< 0.5	< 2.5	< 0.5	< 0.5	< 1	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 10	< 1	< 5	< 1	1	< 2	< 1	< 1	< 1

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		Location	UCD1-018	UCD1-018	UCD1-025	UCD1-025	UCD1-027Z1	UCD1-027Z2	UCD1-027Z3	UCD1-028	UCD1-028
		Sample ID	GWGW1463	GWGW1544	GWGW1513	GWGW1545	GWGW1546	GWGW1547	GWGW1548	GWGW1398	GWGW1410
		Date	5/8/2002	11/5/2002	7/10/2002	11/4/2002	11/6/2002	11/6/2002	11/6/2002	1/9/2002	2/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	2.5 J	3 J	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	2.4	2.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	0.67	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-049
		Sample ID	GWGW1437	GWGW1448	GWGW1449	GWGW1465	GWGW1491	GWGW1502	GWGW1515	GWGW1549	02111513
		Date	3/13/2002	4/3/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002	11/15/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 500
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.37 J	2400
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 50
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 100

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		Location	UCD1-049	UCD1-049	UCD1-049	UCD1-049	UCD1-049	UCD1-049	UCD1-050	UCD1-050	UCD1-050
		Sample ID	02111521	W02082802	W02091203	W02121709	W02122002	W02122003	02111522	W02082803	W02091204
		Date	11/15/2002	8/28/2002	12/9/2002	12/17/2002	12/20/2002	12/20/2002	11/15/2002	8/28/2002	12/9/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,1,2-TRICHLOROETHANE	1	UG/L	< 100	35.6	< 25	< 10	< 10	1.2	< 100	58.4	< 100
1,1-DICHLOROETHANE	0.5	UG/L	< 50	1.6	< 12.5	< 5	< 5	0.32 J	< 50	2.2	< 50
1,1-DICHLOROETHENE	0.5	UG/L	< 50	4.2	< 12.5	2.6 J	< 5	1.8	< 50	4.2	< 50
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,2-DICHLOROBENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,2-DICHLOROETHANE	0.5	UG/L	< 50	0.44 J	< 12.5	< 5	< 5	< 0.5	< 50	0.59	< 50
1,2-DICHLOROPROPANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,3-DICHLOROBENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
1,4-DICHLOROBENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
2-HEXANONE	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
ACETONE	5	UG/L	< 500	< 5	< 125	< 50	< 50	< 5	< 500	2.6	< 500
BENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
BROMOCHLOROMETHANE	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
BROMODICHLOROMETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
BROMOFORM	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
BROMOMETHANE	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
CARBON DISULFIDE	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
CARBON TETRACHLORIDE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
CHLOROBENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
CHLOROETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
CHLOROFORM	0.5	UG/L	2300	2970 D	848	474	435	389 D	2920	3130 D	2200
CHLOROMETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
DIBROMOCHLOROMETHANE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
ETHYLBENZENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100
METHYLENE CHLORIDE	1	UG/L	< 100	< 1	< 25	3.1	< 10	0.28 J	< 100	< 1	< 100
STYRENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 50	0.34 J	< 12.5	< 5	< 5	< 0.5	< 50	0.64	< 50
TOLUENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 50	2.1	< 12.5	< 5	< 5	< 0.5	< 50	3.5	< 50
VINYL CHLORIDE	0.5	UG/L	< 50	< 0.5	< 12.5	< 5	< 5	< 0.5	< 50	< 0.5	< 50
XYLENES, TOTAL	1	UG/L	< 100	< 1	< 25	< 10	< 10	< 1	< 100	< 1	< 100

APPENDIX B
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		Location	UCD1-050	UCD1-050	UCD1-050	UCD1-050	UCD1-051	UCD1-051	UCD1-051	UCD1-051	UCD1-051
		Sample ID	W02091205	W02121710	W02121711	W02122004	02111523	W02082804	W02082805	W02091206	W02121712
		Date	12/9/2002	12/17/2002	12/17/2002	12/20/2002	11/15/2002	8/28/2002	8/28/2002	12/9/2002	12/17/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 100	15.5 J	14.9	< 50	< 50	11.4	11.1	< 50	< 25
1,1-DICHLOROETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	24.2 J	24.5	23.2	26.2	28.4
1,1-DICHLOROETHENE	0.5	UG/L	< 50	< 25	5	< 25	< 25	10	9.4	< 25	12.7
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,2-DICHLOROETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	13.5	12.7	16.9 J	19.6
1,2-DICHLOROPROPANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	0.56	0.56	< 25	< 12.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
2-HEXANONE	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
ACETONE	5	UG/L	< 500	< 250	< 50	< 250	< 250	75	77.1	< 250	< 125
BENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
BROMOCHLOROMETHANE	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
BROMODICHLOROMETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
BROMOFORM	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
BROMOMETHANE	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
CARBON DISULFIDE	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
CARBON TETRACHLORIDE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
CHLOROBENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
CHLOROETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
CHLOROFORM	0.5	UG/L	2300	2840	2550 D	2470	1770	2640 D	2720 D	1740	1820
CHLOROMETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
ETHYLBENZENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25
METHYLENE CHLORIDE	1	UG/L	< 100	< 50	2.5 J	< 50	< 50	0.27	< 1	< 50	< 25
STYRENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	2.2	2	< 25	< 12.5
TOLUENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	2.5	2.4	< 25	< 12.5
VINYL CHLORIDE	0.5	UG/L	< 50	< 25	< 5	< 25	< 25	< 0.5	< 0.5	< 25	< 12.5
XYLENES, TOTAL	1	UG/L	< 100	< 50	< 10	< 50	< 50	< 1	< 1	< 50	< 25

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		Location	UCD1-051	UCD2-007	UCD2-007	UCD2-007	UCD2-007	UCD2-014	UCD2-014	UCD2-014	UCD2-014
		Sample ID	W02122005	GWGW1411	GWGW1466	GWGW1516	GWGW1550	GWGW1412	GWGW1467	GWGW1517	GWGW1518
		Date	12/20/2002	2/6/2002	5/8/2002	8/12/2002	11/4/2002	2/6/2002	5/8/2002	8/13/2002	8/13/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	26.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	11.6 J	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	17.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	257 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	1690	< 0.5	< 0.5	< 0.5	< 0.5	2	0.83	0.34 J	0.34 J
CHLOROMETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.41 JB
STYRENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 12.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 25	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD2-014	UCD2-014	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-016	UCD2-016
		Sample ID	GWGW1551	GWGW1552	GWGW1413	GWGW1468	GWGW1469	GWGW1553	GWGW1554	GWGW1414	GWGW1415
		Date	11/5/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	11/5/2002	11/5/2002	2/6/2002	2/6/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	2.2 J	< 5	< 5	< 5	< 5	< 5	3 J	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	1.4	1.4	< 0.5	< 0.5	< 0.5	0.53	0.54	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-016	UCD2-016	UCD2-016	UCD2-017	UCD2-017	UCD2-017	UCD2-017	UCD2-026	UCD2-026
		Sample ID	GWGW1470	GWGW1520	GWGW1555	GWGW1416	GWGW1471	GWGW1521	GWGW1556	GWGW1417	GWGW1418
		Date	5/8/2002	8/13/2002	11/5/2002	2/6/2002	5/8/2002	8/12/2002	11/5/2002	2/4/2002	2/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	2.4 J	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.1	1.1
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-026	UCD2-026	UCD2-026	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-029
		Sample ID	GWGW1514	GWGW1522	GWGW1557	GWGW1399	GWGW1419	GWGW1438	GWGW1450	GWGW1473	GWGW1492
		Date	7/10/2002	8/13/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.28 J
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	0.33 J	0.36 J	0.31 J	0.32 J	0.32 J	0.38 J
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	0.28 J	0.38 J	0.31 J	0.32 J	0.32 J	0.45 J
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	0.31 J	0.31 J	0.32 J	0.34 J	0.32 J	0.46 J
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	1.4	0.94	0.68	67.2	77.7	72.5	78.8	81.5	104 D
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-029	UCD2-029	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030
		Sample ID	GWGW1503	GWGW1523	GWGW1400	GWGW1420	GWGW1439	GWGW1451	GWGW1474	GWGW1493	GWGW1504
		Date	7/10/2002	8/12/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	0.26 J	0.3 J	0.44 J	0.57	0.39 J	0.48 J	0.3 J
1,1-DICHLOROETHENE	0.5	UG/L	0.34 J	0.25 J	0.29 J	0.28 J	0.28 J	0.38 J	0.29 J	0.35 J	0.28 J
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	0.32 J	< 0.5	0.41 J	0.49 J	0.58	0.7	0.49 J	0.64	0.43 J
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	0.38 J	0.36 J	0.53	0.58	0.35 J	0.52	0.42 J
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	97.1	56.7	43.9	46.7	48	48.2	23.1	36.9	30.4
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
SEMI-VOLATILE ORGANIC COMPOUNDS - GROUNDWATER
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		Location	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-031	UCD2-031	UCD2-031	UCD2-031
		Sample ID	GWGW1524	GWGW1542	GWGW1543	GWGW1559	GWGW1578	GWGW1401	GWGW1421	GWGW1440	GWGW1452
		Date	8/12/2002	9/4/2002	10/3/2002	11/4/2002	12/3/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	0.38 J	0.29 J	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	0.26 J	0.64	0.39 J	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	0.4 J	0.31 J	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	1.7 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	9.1	5.9	15	32.2	19.5	1.2	1.1	0.52	0.51
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-032	UCD2-032	UCD2-032
		Sample ID	GWGW1475	GWGW1494	GWGW1505	GWGW1525	GWGW1560	GWGW1561	GWGW1422	GWGW1476	GWGW1526
		Date	5/7/2002	6/4/2002	7/10/2002	8/13/2002	11/4/2002	11/4/2002	2/6/2002	5/8/2002	8/12/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	1	3.9	0.58	< 0.5	0.52	0.55	1.6	1.4	0.53
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-032	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035
		Sample ID	GWGW1562	GWGW1402	GWGW1423	GWGW1441	GWGW1453	GWGW1477	GWGW1495	GWGW1496	GWGW1506
		Date	11/6/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	6/4/2002	7/10/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	0.98	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
SEMI-VOLATILE ORGANIC COMPOUNDS - GROUNDWATER
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		Location	UCD2-035	UCD2-035	UCD2-035	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036
		Sample ID	GWGW1527	GWGW1563	GWGW1564	GWGW1403	GWGW1424	GWGW1442	GWGW1454	GWGW1478	GWGW1497
		Date	8/12/2002	11/5/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	0.64	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
SEMI-VOLATILE ORGANIC COMPOUNDS - GROUNDWATER
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		Location	UCD2-036	UCD2-036	UCD2-036	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037
		Sample ID	GWGW1507	GWGW1528	GWGW1565	GWGW1404	GWGW1425	GWGW1443	GWGW1455	GWGW1479	GWGW1498
		Date	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/8/2002	6/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	0.54	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
SEMI-VOLATILE ORGANIC COMPOUNDS - GROUNDWATER
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		Location	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038
		Sample ID	GWGW1508	GWGW1529	GWGW1530	GWGW1566	GWGW1405	GWGW1426	GWGW1444	GWGW1456	GWGW1480
		Date	7/10/2002	8/12/2002	8/12/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.5 J	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	0.61	0.63	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-039	UCD2-039	UCD2-039
		Sample ID	GWGW1499	GWGW1509	GWGW1510	GWGW1531	GWGW1567	GWGW1406	GWGW1407	GWGW1427 MS/MSD
		Date	6/4/2002	7/10/2002	7/10/2002	8/12/2002	11/5/2002	1/9/2002	1/9/2002	2/4/2002
Analyte	CRDL	Units								
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.6	1.5	1.2
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	0.59	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-040	UCD2-040
		Sample ID	GWGW1445	GWGW1457	GWGW1481	GWGW1500	GWGW1511	GWGW1532	GWGW1568	GWGW1408	GWGW1428
		Date	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.31 J	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	0.98 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	1.4	1.5	1.2	1.1	1.1	3.8	1.9	12.7	13.2
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	0.67	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-045
		Sample ID	GWGW1446	GWGW1447	GWGW1458	GWGW1482	GWGW1501	GWGW1512	GWGW1533	GWGW1569	GWGW1429
		Date	3/13/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/13/2002	11/4/2002	2/4/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	0.94 J	< 5	< 5	< 5	< 5	3.3 J	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	12.4	12.9	13.6	15	12.4	8.5	5	4.3	3.3
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD2-045	UCD2-045	UCD2-045	UCD2-046	UCD2-046	UCD2-046	UCD2-048	UCD2-048	UCD2-048
		Sample ID	GWGW1483	GWGW1534	GWGW1570	GWGW1430	GWGW1484	GWGW1535	02111807	W02083001	W02091207
		Date	5/9/2002	8/13/2002	11/4/2002	2/4/2002	5/9/2002	8/13/2002	11/18/2002	8/30/2002	12/9/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.66	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.38 J	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	43.6	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	4.5	6.8	5.8	0.29 J	< 0.5	0.45 J	3.8	49.6	3
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.8	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.9	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.4	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.34 J	2.4	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.32 J	13.6	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.29 J	< 1

APPENDIX B
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		Location	UCD2-048	UCD2-048	UCD4-041	UCD4-041	UCD4-041	UCD4-041	UCD4-042	UCD4-042	UCD4-042
		Sample ID	W02121713	W02122006	GWGW1431	GWGW1485	GWGW1536	GWGW1572	GWGW1432	GWGW1486	GWGW1537
		Date	12/17/2002	12/20/2002	2/4/2002	5/7/2002	8/13/2002	11/4/2002	2/7/2002	5/8/2002	8/12/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	2.8	2.6	0.54	0.43 J	< 0.5	< 0.5	2.7	3.9	3.9
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

APPENDIX B
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		Location	UCD4-042	UCD4-042	UCD4-043	UCD4-043	UCD4-043	UCD4-043	UCD4-043	UCD4-044	UCD4-044
		Sample ID	GWGW1538	GWGW1573	GWGW1433	GWGW1487	GWGW1488	GWGW1539	GWGW1574	GWGW1434	GWGW1489
		Date	8/12/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	8/12/2002	11/5/2002	2/6/2002	5/7/2002
Analyte	CRDL	Units									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	4	3	4.6	2.6	2.5	3.5	3.3	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD4-044	UCD4-044	UCD4-047	UCD4-047	UCD4-047	UCD4-047
		Sample ID	GWGW1540	GWGW1575	GWGW1435	GWGW1490	GWGW1541	GWGW1576
		Date	8/13/2002	11/6/2002	2/4/2002	5/9/2002	8/13/2002	11/4/2002
Analyte	CRDL	Units						
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 5	< 5	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	2.9	3.8	4.6	4.6
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 1

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		Location	UCD1-001	UCD1-018	UCD2-016	UCD2-017	UCD2-037
		Sample ID	GWGW1577	GWGW1544	GWGW1555	GWGW1556	GWGW1566
		Date	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID					
1,2,4-TRICHLOROBENZENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
1,2-DICHLOROBENZENE	0.5	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
1,3-DICHLOROBENZENE	0.5	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
1,4-DICHLOROBENZENE	0.5	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
1,4-DICHLOROBENZENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,4,5-TRICHLOROPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,4,6-TRICHLOROPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,4-DICHLOROPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,4-DIMETHYLPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,4-DINITROPHENOL	25	UG/L	< 19.2	< 19.4	< 19.4	< 19.6	< 19.3
2,4-DINITROTOLUENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2,6-DINITROTOLUENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2-CHLORONAPHTHALENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
2-CHLOROPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2-METHYLNAPHTHALENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
2-METHYLPHENOL (o-CRESOL)	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2-NITROANILINE	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
2-NITROPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
3,3'-DICHLOROBENZIDINE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
3-NITROANILINE	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4,6-DINITRO-2-METHYLPHENOL	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-BROMOPHENYL PHENYL ETHER	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-CHLORO-3-METHYLPHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-CHLOROANILINE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-CHLOROPHENYL PHENYL ETHER	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-METHYLPHENOL (p-CRESOL)	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-NITROANILINE	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
4-NITROPHENOL	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
ACENAPHTHENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
ACENAPHTHYLENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
ANTHRACENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZO(a)ANTHRACENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZO(a)PYRENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZO(b)FLUORANTHENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZO(g,h,i)PERYLENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZO(k)FLUORANTHENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
BENZYL BUTYL PHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
bis(2-CHLOROETHOXY) METHANE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
bis(2-CHLOROISOPROPYL) ETHER	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
bis(2-ETHYLHEXYL) PHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
CARBAZOLE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
CHRYSENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
DIBENZ(a,h)ANTHRACENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
DIBENZOFURAN	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
DIETHYL PHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
DIMETHYL PHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
DI-n-BUTYL PHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7

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DI-n-OCTYLPHTHALATE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
DIPHENYLAMINE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
FLUORANTHENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
FLUORENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
HEXACHLOROBENZENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
HEXACHLOROBUTADIENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
HEXACHLOROCYCLOPENTADIENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
HEXACHLOROETHANE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
INDENO(1,2,3-c,d)PYRENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
ISOPHORONE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
NAPHTHALENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
NITROBENZENE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
N-NITROSODI-n-PROPYLAMINE	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
PENTACHLOROPHENOL	25	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
PHENANTHRENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97
PHENOL	10	UG/L	< 9.6	< 9.7	< 9.7	< 9.8	< 9.7
PYRENE	10	UG/L	< 0.96	< 0.97	< 0.97	< 0.98	< 0.97

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		Location	UCD1-001	UCD1-011	UCD1-012	UCD1-013	UCD1-018	UCD1-018	UCD1-025	UCD1-027Z1	UCD1-027Z2
		Sample ID	GWGW1577	GWGW1542a	GWGW1461	GWGW1462	GWGW1463	GWGW1544	GWGW1545	GWGW1546	GWGW1547
		Date	11/5/2002	11/4/2002	5/8/2002	5/8/2002	5/8/2002	11/5/2002	11/4/2002	11/6/2002	11/6/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L	< 0.035	< 0.035				< 0.035	< 0.035	0.696 B	< 0.022
ARSENIC	3	UG/L	< 0.626	2.69 B				1.2 B	0.956 B	1.11 B	< 0.818
BARIUM	20	UG/L	170	258				128	279	188	228
BERYLLIUM	1	UG/L	< 0.04	< 0.04				< 0.04	< 0.04	< 0.03	< 0.03
BORON	50	UG/L	782	712				553	846	797	961
CADMIUM	1	UG/L	< 0.014	< 0.014				< 0.014	< 0.014	0.335 B	0.026 B
CALCIUM	2000	UG/L	53600					31200			
CHROMIUM, TOTAL	10	UG/L	39.9	163	79.3	105	15.7	14	271	< 0.082	< 0.082
COBALT	10	UG/L	0.311 B	0.235 B				0.186 B	1.12	19.8	25.3
COPPER	10	UG/L	< 0.033	1.16 B				< 0.033	1.07 B	< 0.026	< 0.026
IRON	100	UG/L	111	93.1 B				77.7 B	103	123 J	73.1 J
LEAD	3	UG/L	< 0.008	< 0.008				< 0.008	< 0.008	0.125 B	0.076 B
MAGNESIUM	2000	UG/L	135000					80000			
MANGANESE	10	UG/L	0.418 B	0.226 B				< 0.028	38	1450	1540
MERCURY	0.2	UG/L	< 0.039	< 0.039				< 0.039	< 0.039	< 0.039	< 0.039
MOLYBDENUM	10	UG/L	0.638 B	1.23 B				1.47 B	0.451 B	548	2.42 B
NICKEL	20	UG/L	1.82 J	1.24 J				2.57 J	233 J	1710	1170
POTASSIUM	2000	UG/L	712					367			
SELENIUM	3	UG/L	< 0.431	8.5				< 0.431	8.77	< 0.49	< 0.49
SILVER	10	UG/L	< 0.008	< 0.008				< 0.008	< 0.008	0.011 B	< 0.006
SODIUM	2000	UG/L	64700					33600			
THALLIUM	10	UG/L	< 0.004	0.221 J				< 0.004	< 0.004	0.343 B	0.159 B
VANADIUM	10	UG/L	11	22.7				11.1	29.2	< 0.55	< 0.55
ZINC	20	UG/L	< 0.059	2.68 B				< 0.059	4.77 B	740 J	286 J

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		Location	UCD1-027Z3	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028
		Sample ID	GWGW1548	GWGW1398	GWGW1410	GWGW1437	GWGW1448	GWGW1449	GWGW1465	GWGW1491	GWGW1502
		Date	11/6/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L	< 0.022								
ARSENIC	3	UG/L	< 0.818								
BARIUM	20	UG/L	182								
BERYLLIUM	1	UG/L	< 0.03								
BORON	50	UG/L	782								
CADMIUM	1	UG/L	< 0.022								
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	< 0.082	528	566	589	571	550	570	600	578
COBALT	10	UG/L	8.17								
COPPER	10	UG/L	< 0.026								
IRON	100	UG/L	163 J								
LEAD	3	UG/L	0.185 B								
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L	1050								
MERCURY	0.2	UG/L	< 0.039								
MOLYBDENUM	10	UG/L	4.9 B								
NICKEL	20	UG/L	410								
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L	< 0.49								
SILVER	10	UG/L	< 0.006								
SODIUM	2000	UG/L									
THALLIUM	10	UG/L	< 0.009								
VANADIUM	10	UG/L	< 0.55								
ZINC	20	UG/L	97.1 J								

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		Location	UCD1-028	UCD1-028	UCD2-007	UCD2-007	UCD2-007	UCD2-007	UCD2-014	UCD2-014	UCD2-014
		Sample ID	GWGW1515	GWGW1549	GWGW1411	GWGW1466	GWGW1516	GWGW1550	GWGW1412	GWGW1467	GWGW1517
		Date	8/12/2002	11/4/2002	2/6/2002	5/8/2002	8/12/2002	11/4/2002	2/6/2002	5/8/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L		0.149							
ARSENIC	3	UG/L		< 0.626							
BARIUM	20	UG/L		296							
BERYLLIUM	1	UG/L		< 0.04							
BORON	50	UG/L		1170							
CADMIUM	1	UG/L		< 0.014							
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	565	513	31.9	45.9	24.3	28.1	26.1	50.6	60.9
COBALT	10	UG/L		0.384 B							
COPPER	10	UG/L		1.53 B							
IRON	100	UG/L		113							
LEAD	3	UG/L		0.036							
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L		0.28 B							
MERCURY	0.2	UG/L		< 0.039							
MOLYBDENUM	10	UG/L		1.91 B							
NICKEL	20	UG/L		2.72 J							
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L		13.1							
SILVER	10	UG/L		< 0.008							
SODIUM	2000	UG/L									
THALLIUM	10	UG/L		< 0.004							
VANADIUM	10	UG/L		44							
ZINC	20	UG/L		3.2 B							

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		Location	UCD2-014	UCD2-014	UCD2-014	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-016
		Sample ID	GWGW1518	GWGW1551	GWGW1552	GWGW1413	GWGW1468	GWGW1469	GWGW1553	GWGW1554	GWGW1414
		Date	8/13/2002	11/5/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	11/5/2002	11/5/2002	2/6/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	61.2	28.2 J	27.8 J	21.3	24.2	22.8	25.1 J	24.1 J	30.8
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-016	UCD2-016	UCD2-016	UCD2-016	UCD2-017	UCD2-017	UCD2-017	UCD2-017	UCD2-026
		Sample ID	GWGW1415	GWGW1470	GWGW1520	GWGW1555	GWGW1416	GWGW1471	GWGW1521	GWGW1556	GWGW1417
		Date	2/6/2002	5/8/2002	8/13/2002	11/5/2002	2/6/2002	5/8/2002	8/12/2002	11/5/2002	2/4/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L				< 0.035				< 0.035	
ARSENIC	3	UG/L				1.73 B				1.54 B	
BARIUM	20	UG/L				154				134	
BERYLLIUM	1	UG/L				< 0.04				< 0.04	
BORON	50	UG/L				626				522	
CADMIUM	1	UG/L				< 0.014				< 0.014	
CALCIUM	2000	UG/L				43200				39900	
CHROMIUM, TOTAL	10	UG/L	30.3	30.5	32.9	26.5	22.4	21.1	24.2	18.8	32
COBALT	10	UG/L				1.33				0.143 B	
COPPER	10	UG/L				< 0.033				< 0.033	
IRON	100	UG/L				99.9 B				86.7 B	
LEAD	3	UG/L				< 0.008				< 0.008	
MAGNESIUM	2000	UG/L				76100				68700	
MANGANESE	10	UG/L				< 0.028				< 0.028	
MERCURY	0.2	UG/L				< 0.039				< 0.039	
MOLYBDENUM	10	UG/L				1.44 B				1.84 B	
NICKEL	20	UG/L				1.04 J				0.929 J	
POTASSIUM	2000	UG/L				659				592	
SELENIUM	3	UG/L				< 0.431				< 0.431	
SILVER	10	UG/L				< 0.008				< 0.008	
SODIUM	2000	UG/L				54800				37100	
THALLIUM	10	UG/L				< 0.004				< 0.004	
VANADIUM	10	UG/L				9.29 B				8.52 B	
ZINC	20	UG/L				< 0.059				< 0.059	

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		Location	UCD2-026	UCD2-026	UCD2-026	UCD2-026	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-029
		Sample ID	GWGW1418	GWGW1514	GWGW1522	GWGW1557	GWGW1399	GWGW1419	GWGW1438	GWGW1450	GWGW1473
		Date	2/4/2002	7/10/2002	8/13/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	30.7	32.3	29.6	35.9	27.8	29.4	31.7	30.1	29.9
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-029	UCD2-029	UCD2-029	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030
		Sample ID	GWGW1492	GWGW1503	GWGW1523	GWGW1400	GWGW1420	GWGW1439	GWGW1451	GWGW1474	GWGW1493
		Date	6/4/2002	7/10/2002	8/12/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	28	31.5	29.7	20.6	22.3	23.9	24.3	21.1	23.1
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-030	UCD2-030	UCD2-030	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031
		Sample ID	GWGW1504	GWGW1524	GWGW1559	GWGW1401	GWGW1421	GWGW1440	GWGW1452	GWGW1475	GWGW1494
		Date	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	23.2	24.7	24	24.3	28	30	29.9	29.2	28.5
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-032	UCD2-032	UCD2-032	UCD2-032	UCD2-035
		Sample ID	GWGW1505	GWGW1525	GWGW1560	GWGW1561	GWGW1422	GWGW1476	GWGW1526	GWGW1562	GWGW1402
		Date	7/10/2002	8/13/2002	11/4/2002	11/4/2002	2/6/2002	5/8/2002	8/12/2002	11/6/2002	1/9/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	29.5	28.1	29.6	30.5	33	34.9	58.9	43.6	10.9
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035
		Sample ID	GWGW1423	GWGW1441	GWGW1453	GWGW1477	GWGW1495	GWGW1496	GWGW1506	GWGW1527	GWGW1563
		Date	2/6/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	6/4/2002	7/10/2002	8/12/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	11.5	12.5	13.3	11.7	12.2	12.3	13	12.1	12.6 J
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036
		Sample ID	GWGW1403	GWGW1424	GWGW1442	GWGW1454	GWGW1478	GWGW1497	GWGW1507	GWGW1528	GWGW1565
		Date	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	30.6	32.4	31.2	31.3	27.4	29.5	28.4	29.6	34.7
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037
		Sample ID	GWGW1404	GWGW1425	GWGW1443	GWGW1455	GWGW1479	GWGW1498	GWGW1508	GWGW1529	GWGW1530
		Date	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/8/2002	6/4/2002	7/10/2002	8/12/2002	8/12/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	12.5	13.9	12.8	11.7	11.4	12.7	14.2	14.2	13.9
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-037	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038
		Sample ID	GWGW1566	GWGW1405	GWGW1426	GWGW1444	GWGW1456	GWGW1480	GWGW1499	GWGW1509	GWGW1510
		Date	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L	< 0.035								
ARSENIC	3	UG/L	< 0.626								
BARIUM	20	UG/L	137								
BERYLLIUM	1	UG/L	< 0.04								
BORON	50	UG/L	484								
CADMIUM	1	UG/L	< 0.014								
CALCIUM	2000	UG/L	42200								
CHROMIUM, TOTAL	10	UG/L	13.1	9.86 B	10.4	13.1	18.9	12.4	10.4	9.51 B	10.8
COBALT	10	UG/L	0.164 B								
COPPER	10	UG/L	< 0.033								
IRON	100	UG/L	88.2 B								
LEAD	3	UG/L	< 0.008								
MAGNESIUM	2000	UG/L	71700								
MANGANESE	10	UG/L	< 0.028								
MERCURY	0.2	UG/L	< 0.039								
MOLYBDENUM	10	UG/L	1.87 B								
NICKEL	20	UG/L	1.02 J								
POTASSIUM	2000	UG/L	643								
SELENIUM	3	UG/L	< 0.431								
SILVER	10	UG/L	< 0.008								
SODIUM	2000	UG/L	34900								
THALLIUM	10	UG/L	< 0.004								
VANADIUM	10	UG/L	7.39 B								
ZINC	20	UG/L	< 0.059								

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		Location	UCD2-038	UCD2-038	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039
		Sample ID	GWGW1531	GWGW1567	GWGW1406	GWGW1407	GWGW1427 MS/MSD	GWGW1445	GWGW1457	GWGW1481
		Date	8/12/2002	11/5/2002	1/9/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID								
ANTIMONY	5	UG/L								
ARSENIC	3	UG/L								
BARIUM	20	UG/L								
BERYLLIUM	1	UG/L								
BORON	50	UG/L								
CADMIUM	1	UG/L								
CALCIUM	2000	UG/L								
CHROMIUM, TOTAL	10	UG/L	9.45 B	9.55 J	17.5	17.2	18.4	19	18.9	19.8
COBALT	10	UG/L								
COPPER	10	UG/L								
IRON	100	UG/L								
LEAD	3	UG/L								
MAGNESIUM	2000	UG/L								
MANGANESE	10	UG/L								
MERCURY	0.2	UG/L								
MOLYBDENUM	10	UG/L								
NICKEL	20	UG/L								
POTASSIUM	2000	UG/L								
SELENIUM	3	UG/L								
SILVER	10	UG/L								
SODIUM	2000	UG/L								
THALLIUM	10	UG/L								
VANADIUM	10	UG/L								
ZINC	20	UG/L								

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		Location	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040
		Sample ID	GWGW1500	GWGW1511	GWGW1532	GWGW1568	GWGW1408	GWGW1428	GWGW1446	GWGW1447	GWGW1458
		Date	6/4/2002	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	3/13/2002	4/3/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	21.8	23.2	23.4	20.7	28.1	30.7	31.3	32.2	32.8
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-045	UCD2-045	UCD2-045	UCD2-045
		Sample ID	GWGW1482	GWGW1501	GWGW1512	GWGW1533	GWGW1569	GWGW1429	GWGW1483	GWGW1534	GWGW1570
		Date	5/7/2002	6/4/2002	7/10/2002	8/13/2002	11/4/2002	2/4/2002	5/9/2002	8/13/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	39.3	38.7	40.3	37.5	43.3	46.8	42.8	37.9	49.9
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD2-046	UCD2-046	UCD2-046	UCD4-041	UCD4-041	UCD4-041	UCD4-041	UCD4-042	UCD4-042
		Sample ID	GWGW1430	GWGW1484	GWGW1535	GWGW1431	GWGW1485	GWGW1536	GWGW1572	GWGW1432	GWGW1486
		Date	2/4/2002	5/9/2002	8/13/2002	2/4/2002	5/7/2002	8/13/2002	11/4/2002	2/7/2002	5/8/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	63.7	64.5	55	20.1	19.8	19.3	21 J	26.6	36.4
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD4-042	UCD4-042	UCD4-042	UCD4-043	UCD4-043	UCD4-043	UCD4-043	UCD4-043	UCD4-044
		Sample ID	GWGW1537	GWGW1538	GWGW1573	GWGW1433	GWGW1487	GWGW1488	GWGW1539	GWGW1574	GWGW1434
		Date	8/12/2002	8/12/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	8/12/2002	11/5/2002	2/6/2002
AnalyteNameShort	CRDL	UnitsID									
ANTIMONY	5	UG/L									
ARSENIC	3	UG/L									
BARIUM	20	UG/L									
BERYLLIUM	1	UG/L									
BORON	50	UG/L									
CADMIUM	1	UG/L									
CALCIUM	2000	UG/L									
CHROMIUM, TOTAL	10	UG/L	31	31	28.7	28.5	27.3	27.3	26.1	30	21.2
COBALT	10	UG/L									
COPPER	10	UG/L									
IRON	100	UG/L									
LEAD	3	UG/L									
MAGNESIUM	2000	UG/L									
MANGANESE	10	UG/L									
MERCURY	0.2	UG/L									
MOLYBDENUM	10	UG/L									
NICKEL	20	UG/L									
POTASSIUM	2000	UG/L									
SELENIUM	3	UG/L									
SILVER	10	UG/L									
SODIUM	2000	UG/L									
THALLIUM	10	UG/L									
VANADIUM	10	UG/L									
ZINC	20	UG/L									

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		Location	UCD4-044	UCD4-044	UCD4-044	UCD4-047	UCD4-047	UCD4-047	UCD4-047
		Sample ID	GWGW1489	GWGW1540	GWGW1575	GWGW1435	GWGW1490	GWGW1541	GWGW1576
		Date	5/7/2002	8/13/2002	11/6/2002	2/4/2002	5/9/2002	8/13/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID							
ANTIMONY	5	UG/L							
ARSENIC	3	UG/L							
BARIUM	20	UG/L							
BERYLLIUM	1	UG/L							
BORON	50	UG/L							
CADMIUM	1	UG/L							
CALCIUM	2000	UG/L							
CHROMIUM, TOTAL	10	UG/L	21.7	22.1	25.8	32.6	36.3	35.3	37.5 J
COBALT	10	UG/L							
COPPER	10	UG/L							
IRON	100	UG/L							
LEAD	3	UG/L							
MAGNESIUM	2000	UG/L							
MANGANESE	10	UG/L							
MERCURY	0.2	UG/L							
MOLYBDENUM	10	UG/L							
NICKEL	20	UG/L							
POTASSIUM	2000	UG/L							
SELENIUM	3	UG/L							
SILVER	10	UG/L							
SODIUM	2000	UG/L							
THALLIUM	10	UG/L							
VANADIUM	10	UG/L							
ZINC	20	UG/L							

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		Location	UCD1-001	UCD1-018	UCD2-016	UCD2-017	UCD2-037
		Sample ID	GWGW1577	GWGW1544	GWGW1555	GWGW1556	GWGW1566
		Date	11/5/2002	11/5/2002	11/5/2002	11/5/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID					
ALDRIN	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
ALPHA ENDOSULFAN	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
ALPHA-CHLORDANE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
BETA ENDOSULFAN	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
DIELDRIN	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
ENDOSULFAN SULFATE	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
ENDRIN	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
ENDRIN ALDEHYDE	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
ENDRIN KETONE	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
GAMMA BHC (LINDANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
GAMMA-CHLORDANE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
HEPTACHLOR	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
HEPTACHLOR EPOXIDE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002	< 0.002
METHOXYCHLOR	0.1	UG/L	< 0.019	< 0.02	< 0.019	< 0.02	< 0.02
p,p'-DDD	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	< 0.004	< 0.0039
p,p'-DDE	0.02	UG/L	< 0.0039	< 0.004	< 0.0038	0.0027 J	< 0.0039
p,p'-DDT	0.02	UG/L	< 0.0039	0.013 J	< 0.0038	0.0073 P	< 0.0039
PCB-1016 (AROCHLOR 1016)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
PCB-1221 (AROCHLOR 1221)	0.4	UG/L	< 0.078	< 0.08	< 0.077	< 0.08	< 0.078
PCB-1232 (AROCHLOR 1232)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
PCB-1242 (AROCHLOR 1242)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
PCB-1248 (AROCHLOR 1248)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
PCB-1254 (AROCHLOR 1254)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
PCB-1260 (AROCHLOR 1260)	0.2	UG/L	< 0.039	< 0.04	< 0.038	< 0.04	< 0.039
TOXAPHENE	1	UG/L	< 0.19	< 0.2	< 0.19	< 0.2	< 0.2

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		Sample ID	GWGW1577	GWGW1460	GWGW1542a	GWGW1461	GWGW1436	GWGW1462	GWGW1463	GWGW1544	GWGW1545	GWGW1546	GWGW1547
		Date	11/5/2002	5/7/2002	11/4/2002	5/8/2002	2/6/2002	5/8/2002	5/8/2002	11/5/2002	11/4/2002	11/6/2002	11/6/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L	< 9.57							< 9.71			
ALPHA, GROSS	2	PCI/L	2.28 J							1.93 J			
AMERICIUM-241	1	PCI/L	< 0.0949							< 0.205			
BETA, GROSS	3	PCI/L	1.86 J							1.24 J			
BISMUTH-212	70	PCI/L	< 16.3							< 17.7			
BISMUTH-214	10	PCI/L	37.6							12.9			
CARBON-14	20	PCI/L	< 8.7	< 9.02	< 8.61	25 +/- 8.53	951 +/- 19.9	815 +/- 16.9	24.8 +/- 5.18	< 8.48	< 8.6	< 9.24	< 9.02
CESIUM-137	10	PCI/L	< 2.97							< 2.22			
COBALT-60	10	PCI/L	< 2.32							< 2.45			
LEAD-210	150	PCI/L	< 858							< 612			
LEAD-212	10	PCI/L	< 3.77							< 4.56			
LEAD-214	10	PCI/L	41.4							< 6.85			
PLUTONIUM-241	10	PCI/L	< 9.81							< 9.78			
POTASSIUM-40	100	PCI/L	36.5 J							< 22			
RADIUM-226	1	PCI/L	< 0.313							< 0.455			
SODIUM-22	10	PCI/L	< 2.2							< 2.52			
STRONTIUM-90	1	PCI/L	< 0.595							< 0.719			
THALLIUM-208	5	PCI/L	< 2.59							< 2.55			
THORIUM-234	200	PCI/L	< 165							< 152			
TRITIUM (HYDROGEN-3)	300	PCI/L	< 213	< 213	< 204	< 214	11800 +/- 493	10400 +/- 437	< 222	< 205	< 205	< 196	< 198
URANIUM-235	25	PCI/L	< 16.7							< 15			
URANIUM-238	500	PCI/L	< 133							< 140			

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		Location	UCD1-027Z3	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028
		Sample ID	GWGW1548	GWGW1398	GWGW1410	GWGW1437	GWGW1448	GWGW1449	GWGW1465	GWGW1491	GWGW1502	GWGW1515	GWGW1549
		Date	11/6/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 8.91	12 +/- 6.57	< 11.4	< 7.05	< 6.99	< 6.99	< 8.91	< 8.61	< 10.6	< 8.34	< 8.84
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 197	< 211	< 197	< 206	< 186	< 188	< 218	< 220	< 225	< 201	< 201
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-007	UCD2-007	UCD2-007	UCD2-007	UCD2-014	UCD2-014	UCD2-014	UCD2-014	UCD2-014	UCD2-014	UCD2-014
		Sample ID	GWGW1411	GWGW1466	GWGW1516	GWGW1550	GWGW1409	GWGW1412	GWGW1467	GWGW1517	GWGW1518	GWGW1551	GWGW1552
		Date	2/6/2002	5/8/2002	8/12/2002	11/4/2002	1/9/2002	2/6/2002	5/8/2002	8/13/2002	8/13/2002	11/5/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 9.1	< 7.36	< 8.47	< 8.63		82.5 +/- 7.67	285 +/- 10.5	366	376	61	62.2
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 214	< 217	< 201	< 207	< 212	305 +/- 143	1400 +/- 195	2950	2760	< 214	< 214
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-015	UCD2-016	UCD2-016	UCD2-016	UCD2-016	UCD2-016	UCD2-017
		Sample ID	GWGW1413	GWGW1468	GWGW1469	GWGW1553	GWGW1554	GWGW1414	GWGW1415	GWGW1470	GWGW1520	GWGW1555	GWGW1416
		Date	2/6/2002	5/8/2002	5/8/2002	11/5/2002	11/5/2002	2/6/2002	2/6/2002	5/8/2002	8/13/2002	11/5/2002	2/6/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L										< 9.73	
ALPHA, GROSS	2	PCI/L										3.24 J	
AMERICIUM-241	1	PCI/L										< 0.245	
BETA, GROSS	3	PCI/L										< 1.17	
BISMUTH-212	70	PCI/L										< 16.4	
BISMUTH-214	10	PCI/L										< 7.63	
CARBON-14	20	PCI/L	< 9.04	< 7.22	< 7.43	< 8.82	< 8.6	< 9.13	< 9.15	< 7.25	< 5.6	< 8.52	< 9.14
CESIUM-137	10	PCI/L										< 2.15	
COBALT-60	10	PCI/L										< 2.8	
LEAD-210	150	PCI/L										< 397	
LEAD-212	10	PCI/L										< 5.15	
LEAD-214	10	PCI/L										13.8	
PLUTONIUM-241	10	PCI/L										< 8.26	
POTASSIUM-40	100	PCI/L										< 32.5	
RADIUM-226	1	PCI/L										0.498	
SODIUM-22	10	PCI/L										< 2.26	
STRONTIUM-90	1	PCI/L										< 0.591	
THALLIUM-208	5	PCI/L										< 2.98	
THORIUM-234	200	PCI/L										< 131	
TRITIUM (HYDROGEN-3)	300	PCI/L	< 213	< 219	< 213	< 214	< 211	< 214	< 213	< 211	< 238	< 206	< 211
URANIUM-235	25	PCI/L										< 15.7	
URANIUM-238	500	PCI/L										< 117	

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		Location	UCD2-017	UCD2-017	UCD2-017	UCD2-026	UCD2-026	UCD2-026	UCD2-026	UCD2-026	UCD2-029	UCD2-029	UCD2-029
		Sample ID	GWGW1471	GWGW1521	GWGW1556	GWGW1417	GWGW1418	GWGW1514	GWGW1522	GWGW1557	GWGW1399	GWGW1419	GWGW1438
		Date	5/8/2002	8/12/2002	11/5/2002	2/4/2002	2/4/2002	7/10/2002	8/13/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L			< 9.07								
ALPHA, GROSS	2	PCI/L			1.46 J								
AMERICIUM-241	1	PCI/L			< 0.107								
BETA, GROSS	3	PCI/L			1.23 J								
BISMUTH-212	70	PCI/L			< 17.7								
BISMUTH-214	10	PCI/L			10.5 J								
CARBON-14	20	PCI/L	< 7.2	< 8.56	< 8.46	< 11.5	< 11.4	< 10.6	< 5.69	< 8.54	< 10.8	< 11.4	< 6.97
CESIUM-137	10	PCI/L			< 2.13								
COBALT-60	10	PCI/L			< 2.06								
LEAD-210	150	PCI/L			< 353								
LEAD-212	10	PCI/L			< 5.43								
LEAD-214	10	PCI/L			10.3 J								
PLUTONIUM-241	10	PCI/L			< 9.81								
POTASSIUM-40	100	PCI/L			< 23.1								
RADIUM-226	1	PCI/L			0.349 J								
SODIUM-22	10	PCI/L			< 2.41								
STRONTIUM-90	1	PCI/L			< 0.594								
THALLIUM-208	5	PCI/L			< 2.9								
THORIUM-234	200	PCI/L			< 121								
TRITIUM (HYDROGEN-3)	300	PCI/L	< 217	< 200	< 203	< 195	< 195	< 218	< 239	< 207	< 204	< 191	< 209
URANIUM-235	25	PCI/L			< 17								
URANIUM-238	500	PCI/L			< 99.7								

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		Location	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030
		Sample ID	GWGW1450	GWGW1473	GWGW1492	GWGW1503	GWGW1523	GWGW1400	GWGW1420	GWGW1439	GWGW1451	GWGW1474	GWGW1493
		Date	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 7.02	< 8.87	< 8.7	< 10.6	< 8.51	11.5 +/- 6.42	< 11.5	11.7 +/- 4.59	14.1 +/- 4.56	< 8.91	< 8.59
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 190	< 207	< 215	< 219	< 200	< 202	< 195	< 208	< 189	< 218	< 215
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-030	UCD2-030	UCD2-030	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031	UCD2-031
		Sample ID	GWGW1504	GWGW1524	GWGW1559	GWGW1401	GWGW1421	GWGW1440	GWGW1452	GWGW1475	GWGW1494	GWGW1505	GWGW1525
		Date	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 10.6	< 8.64	< 8.68	< 10.6	< 11.7	< 7.03	< 7.03	< 8.93	< 8.58	< 10.6	< 5.55
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 213	< 199	< 208	< 227	< 192	< 207	< 187	< 200	< 218	< 227	< 241
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-031	UCD2-031	UCD2-032	UCD2-032	UCD2-032	UCD2-032	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035
		Sample ID	GWGW1560	GWGW1561	GWGW1422	GWGW1476	GWGW1526	GWGW1562	GWGW1402	GWGW1423	GWGW1441	GWGW1453	GWGW1477
		Date	11/4/2002	11/4/2002	2/6/2002	5/8/2002	8/12/2002	11/6/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 9.59	< 8.39	< 9.03	< 7.31	< 13.7	< 8.73	10.7 +/- 6.49	< 8.99	< 10.5	< 7.02	< 8.9
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 207	< 195	< 213	< 209	< 198	< 213	< 202	< 211	< 208	< 185	< 208
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036
		Sample ID	GWGW1495	GWGW1496	GWGW1506	GWGW1527	GWGW1563	GWGW1564	GWGW1403	GWGW1424	GWGW1442	GWGW1454	GWGW1478
		Date	6/4/2002	6/4/2002	7/10/2002	8/12/2002	11/5/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 8.61	< 8.6	< 10.6	10.4 J	< 8.68	< 8.56	< 10.5	< 11.4	< 7.16	< 6.99	< 8.91
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 213	< 211	< 222	< 198	< 212	< 214	< 202	< 194	< 207	< 191	< 219
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037
		Sample ID	GWGW1497	GWGW1507	GWGW1528	GWGW1565	GWGW1404	GWGW1425	GWGW1443	GWGW1455	GWGW1479	GWGW1498	GWGW1508
		Date	6/4/2002	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/8/2002	6/4/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 8.79	< 10.6	< 8.34	< 8.39	< 10.5	< 9.07	< 6.97	< 6.99	< 7.27	< 10.8	< 13.3
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 215	< 222	< 197	< 205	< 206	< 214	< 209	< 184	< 208	< 215	< 215
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-037	UCD2-037	UCD2-037	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038
		Sample ID	GWGW1529	GWGW1530	GWGW1566	GWGW1405	GWGW1426	GWGW1444	GWGW1456	GWGW1480	GWGW1499	GWGW1509	GWGW1510
		Date	8/12/2002	8/12/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L			< 10.3								
ALPHA, GROSS	2	PCI/L			2.85 J								
AMERICIUM-241	1	PCI/L			0.116 UJ								
BETA, GROSS	3	PCI/L			1.9 J								
BISMUTH-212	70	PCI/L			< 18.9								
BISMUTH-214	10	PCI/L			21.6								
CARBON-14	20	PCI/L	< 8.34	< 8.74	< 8.54	10.6 +/- 6.47	< 11.4	< 7	< 6.99	< 8.93	< 8.68	< 10.6	< 10.6
CESIUM-137	10	PCI/L			< 2.27								
COBALT-60	10	PCI/L			< 2.58								
LEAD-210	150	PCI/L			< 66.5								
LEAD-212	10	PCI/L			< 5.21								
LEAD-214	10	PCI/L			14.5								
PLUTONIUM-241	10	PCI/L			< 8.91								
POTASSIUM-40	100	PCI/L			< 41.9								
RADIUM-226	1	PCI/L			0.504								
SODIUM-22	10	PCI/L			< 2.71								
STRONTIUM-90	1	PCI/L			< 0.701								
THALLIUM-208	5	PCI/L			2.72 J								
THORIUM-234	200	PCI/L			< 61.4								
TRITIUM (HYDROGEN-3)	300	PCI/L	< 198	< 198	< 204	< 207	< 195	< 208	< 188	< 204	< 214	< 220	< 218
URANIUM-235	25	PCI/L			< 15.3								
URANIUM-238	500	PCI/L			< 61.4								

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		Location	UCD2-038	UCD2-038	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039
		Sample ID	GWGW1531	GWGW1567	GWGW1406	GWGW1407	GWGW1427 MS/MSD	GWGW1445	GWGW1457	GWGW1481	GWGW1500	GWGW1511
		Date	8/12/2002	11/5/2002	1/9/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID										
ACTINIUM 228	20	PCI/L										
ALPHA, GROSS	2	PCI/L										
AMERICIUM-241	1	PCI/L										
BETA, GROSS	3	PCI/L										
BISMUTH-212	70	PCI/L										
BISMUTH-214	10	PCI/L										
CARBON-14	20	PCI/L	< 8.34	< 8.64	16.1 +/- 6.68	20.8 +/- 6.9	15.8 +/- 7.3	< 6.97	12.6 +/- 4.5	13.7 +/- 5.76	11.5 +/- 5.48	< 10.6
CESIUM-137	10	PCI/L										
COBALT-60	10	PCI/L										
LEAD-210	150	PCI/L										
LEAD-212	10	PCI/L										
LEAD-214	10	PCI/L										
PLUTONIUM-241	10	PCI/L										
POTASSIUM-40	100	PCI/L										
RADIUM-226	1	PCI/L										
SODIUM-22	10	PCI/L										
STRONTIUM-90	1	PCI/L										
THALLIUM-208	5	PCI/L										
THORIUM-234	200	PCI/L										
TRITIUM (HYDROGEN-3)	300	PCI/L	< 192	< 214	< 204	< 194	< 197	< 207	< 188	< 211	< 208	< 218
URANIUM-235	25	PCI/L										
URANIUM-238	500	PCI/L										

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		Location	UCD2-039	UCD2-039	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040
		Sample ID	GWGW1532	GWGW1568	GWGW1408	GWGW1428	GWGW1446	GWGW1447	GWGW1458	GWGW1482	GWGW1501	GWGW1512	GWGW1533
		Date	8/12/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	10.2 J	22.9	< 10.5	< 11.7	< 7.17	< 6.98	< 7.02	< 8.92	< 8.63	< 10.6	< 5.6
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 196	< 198	< 195	< 199	< 206	< 208	< 188	< 208	< 211	< 219	< 240
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD2-040	UCD2-045	UCD2-045	UCD2-045	UCD2-045	UCD2-046	UCD2-046	UCD2-046	UCD4-041	UCD4-041	UCD4-041
		Sample ID	GWGW1569	GWGW1429	GWGW1483	GWGW1534	GWGW1570	GWGW1430	GWGW1484	GWGW1535	GWGW1431	GWGW1485	GWGW1536
		Date	11/4/2002	2/4/2002	5/9/2002	8/13/2002	11/4/2002	2/4/2002	5/9/2002	8/13/2002	2/4/2002	5/7/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 8.63	< 11.7	10.5 +/- 5.38	17	15.4	< 11.6	< 7.42	< 5.66	< 9.86	< 7.42	< 5.72
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 206	< 197	< 208	< 237	< 205	< 195	< 221	< 240	< 219	< 226	< 239
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD4-041	UCD4-042	UCD4-042	UCD4-042	UCD4-042	UCD4-042	UCD4-043	UCD4-043	UCD4-043	UCD4-043	UCD4-043
		Sample ID	GWGW1572	GWGW1432	GWGW1486	GWGW1537	GWGW1538	GWGW1573	GWGW1433	GWGW1487	GWGW1488	GWGW1539	GWGW1574
		Date	11/4/2002	2/7/2002	5/8/2002	8/12/2002	8/12/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	8/12/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID											
ACTINIUM 228	20	PCI/L											
ALPHA, GROSS	2	PCI/L											
AMERICIUM-241	1	PCI/L											
BETA, GROSS	3	PCI/L											
BISMUTH-212	70	PCI/L											
BISMUTH-214	10	PCI/L											
CARBON-14	20	PCI/L	< 8.6	< 9	< 7.43	< 5.52	< 5.65	< 8.55	< 9.14	< 7.2	< 7.32	< 8.45	< 8.64
CESIUM-137	10	PCI/L											
COBALT-60	10	PCI/L											
LEAD-210	150	PCI/L											
LEAD-212	10	PCI/L											
LEAD-214	10	PCI/L											
PLUTONIUM-241	10	PCI/L											
POTASSIUM-40	100	PCI/L											
RADIUM-226	1	PCI/L											
SODIUM-22	10	PCI/L											
STRONTIUM-90	1	PCI/L											
THALLIUM-208	5	PCI/L											
THORIUM-234	200	PCI/L											
TRITIUM (HYDROGEN-3)	300	PCI/L	< 213	< 215	< 213	< 239	< 239	< 207	< 214	< 202	< 216	< 241	< 212
URANIUM-235	25	PCI/L											
URANIUM-238	500	PCI/L											

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		Location	UCD4-044	UCD4-044	UCD4-044	UCD4-044	UCD4-047	UCD4-047	UCD4-047	UCD4-047
		Sample ID	GWGW1434	GWGW1489	GWGW1540	GWGW1575	GWGW1435	GWGW1490	GWGW1541	GWGW1576
		Date	2/6/2002	5/7/2002	8/13/2002	11/6/2002	2/4/2002	5/9/2002	8/13/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID								
ACTINIUM 228	20	PCI/L								
ALPHA, GROSS	2	PCI/L								
AMERICIUM-241	1	PCI/L								
BETA, GROSS	3	PCI/L								
BISMUTH-212	70	PCI/L								
BISMUTH-214	10	PCI/L								
CARBON-14	20	PCI/L	< 9.03	< 7.74	< 5.62	11.1 J	< 9.43	8.82 +/- 4.59	< 5.63	< 8.68
CESIUM-137	10	PCI/L								
COBALT-60	10	PCI/L								
LEAD-210	150	PCI/L								
LEAD-212	10	PCI/L								
LEAD-214	10	PCI/L								
PLUTONIUM-241	10	PCI/L								
POTASSIUM-40	100	PCI/L								
RADIUM-226	1	PCI/L								
SODIUM-22	10	PCI/L								
STRONTIUM-90	1	PCI/L								
THALLIUM-208	5	PCI/L								
THORIUM-234	200	PCI/L								
TRITIUM (HYDROGEN-3)	300	PCI/L	< 215	< 217	< 239	< 214	< 219	< 206	< 235	< 214
URANIUM-235	25	PCI/L								
URANIUM-238	500	PCI/L								

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		Location	UCD1-001	UCD1-010	UCD1-011	UCD1-011	UCD1-012	UCD1-013	UCD1-018	UCD1-018	UCD1-025
		Sample ID	GWGW1577	GWGW1459	GWGW1460	GWGW1542a	GWGW1461	GWGW1462	GWGW1463	GWGW1544	GWGW1545
		Date	11/5/2002	5/7/2002	5/7/2002	11/4/2002	5/8/2002	5/8/2002	5/8/2002	11/5/2002	11/4/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L	430			514				363	598
CHLORIDE (AS CL)	1	MG/L	7.9			35.6				16.5	43.5
Nitrite, Nitrate-Nonspecific	0.01	MG/L	12.4 J	21.5 H	20.5 H	23 J	80.3 H	15.7 H	5.46 H	5.89	32.7 J
SULFATE (AS SO4)	1	MG/L	36.1			39.9				38.4	37
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	758	1010	792	784	2350	1020	472	456	835
TOTAL ORGANIC CARBON	1	MG/L	1.36							0.997 J	

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		Location	UCD1-027Z1	UCD1-027Z2	UCD1-027Z3	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD1-028
		Sample ID	GWGW1546	GWGW1547	GWGW1548	GWGW1398	GWGW1410	GWGW1437	GWGW1448	GWGW1449	GWGW1465
		Date	11/6/2002	11/6/2002	11/6/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L	612	577	524						
CHLORIDE (AS CL)	1	MG/L	62.5	34.2	29.3						
Nitrite, Nitrate-Nonspecific	0.01	MG/L	7.58	2.78	0.188	55.5	57.8	56.2 H	60.5 H	61 H	56.7 H
SULFATE (AS SO4)	1	MG/L	115	36.7	37.7						
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	882	655	592	1150	1200	1190	1170	1200	1170
TOTAL ORGANIC CARBON	1	MG/L	7.59	4.09	7.12	2.31	2.58	2.23	2.29	2	1.89

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		Location	UCD1-028	UCD1-028	UCD1-028	UCD1-028	UCD2-007	UCD2-007	UCD2-007	UCD2-007	UCD2-014
		Sample ID	GWGW1491	GWGW1502	GWGW1515	GWGW1549	GWGW1411	GWGW1466	GWGW1516	GWGW1550	GWGW1412
		Date	6/4/2002	7/10/2002	8/12/2002	11/4/2002	2/6/2002	5/8/2002	8/12/2002	11/4/2002	2/6/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L				472					
CHLORIDE (AS CL)	1	MG/L				48.4					
Nitrite, Nitrate-Nonspecific	0.01	MG/L	60.2 H	56.9 H	58.1 J	63.9 J	9.81	12.8 H	7.37	9.41	6.04
SULFATE (AS SO4)	1	MG/L				41					
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	1180	1140	1190	1220	581	574	529	513	545
TOTAL ORGANIC CARBON	1	MG/L	2.16	2.13	2.06	2.03	1.5	1.33	1.19		1.45

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		Location	UCD2-014	UCD2-014	UCD2-014	UCD2-014	UCD2-014	UCD2-015	UCD2-015	UCD2-015	UCD2-015
		Sample ID	GWGW1467	GWGW1517	GWGW1518	GWGW1551	GWGW1552	GWGW1413	GWGW1468	GWGW1469	GWGW1553
		Date	5/8/2002	8/13/2002	8/13/2002	11/5/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002	11/5/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	9.84 H	14	14.1	6.31	6.32	6.52	7.18 H	7.16 H	6.97
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	750	919	880	531	521	480	491	488	461
TOTAL ORGANIC CARBON	1	MG/L	1.48	1.97	1.74			1.48	1.23	1.08	

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		Location	UCD2-015	UCD2-016	UCD2-016	UCD2-016	UCD2-016	UCD2-016	UCD2-017	UCD2-017	UCD2-017
		Sample ID	GWGW1554	GWGW1414	GWGW1415	GWGW1470	GWGW1520	GWGW1555	GWGW1416	GWGW1471	GWGW1521
		Date	11/5/2002	2/6/2002	2/6/2002	5/8/2002	8/13/2002	11/5/2002	2/6/2002	5/8/2002	8/12/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L						377			
CHLORIDE (AS CL)	1	MG/L						17.5			
Nitrite, Nitrate-Nonspecific	0.01	MG/L	6.99	5.31	5.43	6.31 H	7.11	5.36	3.33	3.89 H	3.53
SULFATE (AS SO4)	1	MG/L						47.9			
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	461	558	663	554	540	543	466	469	459
TOTAL ORGANIC CARBON	1	MG/L		1.69	1.39	1.38	0.893 J	0.865 J	0.843 J	1.11	1.26

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		Location	UCD2-017	UCD2-026	UCD2-026	UCD2-026	UCD2-026	UCD2-026	UCD2-029	UCD2-029	UCD2-029
		Sample ID	GWGW1556	GWGW1417	GWGW1418	GWGW1514	GWGW1522	GWGW1557	GWGW1399	GWGW1419	GWGW1438
		Date	11/5/2002	2/4/2002	2/4/2002	7/10/2002	8/13/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L	349								
CHLORIDE (AS CL)	1	MG/L	16.6								
Nitrite, Nitrate-Nonspecific	0.01	MG/L	3.34	9.5	9.49	6.05	7.32	8.56	8.96	8.99	8.88
SULFATE (AS SO4)	1	MG/L	38.7								
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	460	546	537	481	513	526	533	532	572
TOTAL ORGANIC CARBON	1	MG/L	0.793 J	1.62	1.46	1.19	1.14		1.85	1.63	1.36

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		Location	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-029	UCD2-030	UCD2-030	UCD2-030	UCD2-030
		Sample ID	GWGW1450	GWGW1473	GWGW1492	GWGW1503	GWGW1523	GWGW1400	GWGW1420	GWGW1439	GWGW1451
		Date	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	8.96	8.42 H	7.87	8.29	6.99	6.83	7.05	7.24	7.37
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	553	553	554	538	516	489	515	527	521
TOTAL ORGANIC CARBON	1	MG/L	1.34	1.1	1.34	1.57	1.31	1.62	1.55	1.3	1.29

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		Location	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-030	UCD2-031	UCD2-031	UCD2-031	UCD2-031
		Sample ID	GWGW1474	GWGW1493	GWGW1504	GWGW1524	GWGW1559	GWGW1401	GWGW1421	GWGW1440	GWGW1452
		Date	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	6.04 H	6.41	6.12	5.98	6.77	7.35	7.59	7.77 H	8.31
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	515	507	462	515	495	514	524	544	547
TOTAL ORGANIC CARBON	1	MG/L	0.997 J	1.32	1.31	1.06		1.5	1.48	1.08	1.53

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		Location	UCD2-032	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035	UCD2-035
		Sample ID	GWGW1562	GWGW1402	GWGW1423	GWGW1441	GWGW1453	GWGW1477	GWGW1495	GWGW1496	GWGW1506
		Date	11/6/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	6/4/2002	7/10/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	9.59	3.09	3.23	3.84 H	4.07	3.37 H	3.6	3.54	2.89
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	564	442	451	461	459	466	468	459	438
TOTAL ORGANIC CARBON	1	MG/L		1.26	0.973 J	1.12	1.29	0.892 J	1.03	1.08	1.23

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		Location	UCD2-035	UCD2-035	UCD2-035	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036	UCD2-036
		Sample ID	GWGW1527	GWGW1563	GWGW1564	GWGW1403	GWGW1424	GWGW1442	GWGW1454	GWGW1478	GWGW1497
		Date	8/12/2002	11/5/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	3.15	3.37	3.38	6.16	6.78	5.53 H	5.63	6.6 H	5.55
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	451	431	430	515	536	526	519	529	509
TOTAL ORGANIC CARBON	1	MG/L	1.26			1.37	1.46	0.984 J	1.35	1.22	1.08

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		Location	UCD2-036	UCD2-036	UCD2-036	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-037
		Sample ID	GWGW1507	GWGW1528	GWGW1565	GWGW1404	GWGW1425	GWGW1443	GWGW1455	GWGW1479	GWGW1498
		Date	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/6/2002	3/13/2002	4/3/2002	5/8/2002	6/4/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	6.91	7.32	8.15	2.39	2.49	2.18 H	2.14	2.21 H	2.56
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	483	524	534	447	448	440	450	444	458
TOTAL ORGANIC CARBON	1	MG/L	1.21	1.4		2.47	1.96	1.08	1.21	0.975 J	0.952 J

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		Location	UCD2-037	UCD2-037	UCD2-037	UCD2-037	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038
		Sample ID	GWGW1508	GWGW1529	GWGW1530	GWGW1566	GWGW1405	GWGW1426	GWGW1444	GWGW1456	GWGW1480
		Date	7/10/2002	8/12/2002	8/12/2002	11/5/2002	1/9/2002	2/4/2002	3/13/2002	4/3/2002	5/7/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L				319					
CHLORIDE (AS CL)	1	MG/L				15.9					
Nitrite, Nitrate-Nonspecific	0.01	MG/L	2.59	2.86	2.83	3.2	2.76	2.64	3.71 H	5.94	3.08 H
SULFATE (AS SO4)	1	MG/L				37					
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	1020	461	461	463	438	438	466	485	458
TOTAL ORGANIC CARBON	1	MG/L	1.16	0.946 J	0.877 J	0.886 J	2.61	1.33	0.898 J	1.16	1.21

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		Location	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-038	UCD2-039	UCD2-039	UCD2-039
		Sample ID	GWGW1499	GWGW1509	GWGW1510	GWGW1531	GWGW1567	GWGW1406	GWGW1407	GWGW1427
		Date	6/4/2002	7/10/2002	7/10/2002	8/12/2002	11/5/2002	1/9/2002	1/9/2002	MS/MSD 2/4/2002
AnalyteNameShort	CRDL	UnitsID								
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L								
CHLORIDE (AS CL)	1	MG/L								
Nitrite, Nitrate-Nonspecific	0.01	MG/L	2.2	1.81	1.88	1.76	2.16	5.31	5.29	5.42
SULFATE (AS SO4)	1	MG/L								
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	461	403	414	438	419	498	491	501
TOTAL ORGANIC CARBON	1	MG/L	1.17	1.24	0.882 J	0.997 J		1.3	1.29	1.48

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		Location	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-039	UCD2-040	UCD2-040
		Sample ID	GWGW1445	GWGW1457	GWGW1481	GWGW1500	GWGW1511	GWGW1532	GWGW1568	GWGW1408	GWGW1428
		Date	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/12/2002	11/4/2002	1/9/2002	2/4/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	5.44	5.87	6.19 H	6.44	6.37	6.34	5.11	7.62	7.61
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	492	486	494	494	470	506	478	504	523
TOTAL ORGANIC CARBON	1	MG/L	1.1	1.31	0.985 J	1.34	1.2	1.05		1.57	1.64

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		Location	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-040	UCD2-045
		Sample ID	GWGW1446	GWGW1447	GWGW1458	GWGW1482	GWGW1501	GWGW1512	GWGW1533	GWGW1569	GWGW1429
		Date	3/13/2002	3/13/2002	4/3/2002	5/7/2002	6/4/2002	7/10/2002	8/13/2002	11/4/2002	2/4/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	7.41	7.53	7.76	8.98 H	9.43	8.34	8.74	9.16	10.6
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	528	544	535	558	559	533	535	539	585
TOTAL ORGANIC CARBON	1	MG/L	0.938 J	1.22	1.35	1.13	1.13	1.25	1.05		

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		Location	UCD2-045	UCD2-045	UCD2-045	UCD2-046	UCD2-046	UCD2-046	UCD4-041	UCD4-041	UCD4-041
		Sample ID	GWGW1483	GWGW1534	GWGW1570	GWGW1430	GWGW1484	GWGW1535	GWGW1431	GWGW1485	GWGW1536
		Date	5/9/2002	8/13/2002	11/4/2002	2/4/2002	5/9/2002	8/13/2002	2/4/2002	5/7/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	10.4 H	9.68	9.55 J	11.4	11.6 H	12.2	2.07	2.06 H	2.13
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	592	575	572	735	747	740	386	412	415
TOTAL ORGANIC CARBON	1	MG/L	1.29								

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		Location	UCD4-041	UCD4-042	UCD4-042	UCD4-042	UCD4-042	UCD4-042	UCD4-043	UCD4-043	UCD4-043
		Sample ID	GWGW1572	GWGW1432	GWGW1486	GWGW1537	GWGW1538	GWGW1573	GWGW1433	GWGW1487	GWGW1488
		Date	11/4/2002	2/7/2002	5/8/2002	8/12/2002	8/12/2002	11/5/2002	2/6/2002	5/8/2002	5/8/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	2.19 J	2.15	2.35 H	2.34 J	2.35 J	2.12	2.2	2.08 H	2.07 H
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	411	421	445	447	439	415	425	421	419
TOTAL ORGANIC CARBON	1	MG/L									

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		Location	UCD4-043	UCD4-043	UCD4-044	UCD4-044	UCD4-044	UCD4-044	UCD4-047	UCD4-047	UCD4-047
		Sample ID	GWGW1539	GWGW1574	GWGW1434	GWGW1489	GWGW1540	GWGW1575	GWGW1435	GWGW1490	GWGW1541
		Date	8/12/2002	11/5/2002	2/6/2002	5/7/2002	8/13/2002	11/6/2002	2/4/2002	5/9/2002	8/13/2002
AnalyteNameShort	CRDL	UnitsID									
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L									
CHLORIDE (AS CL)	1	MG/L									
Nitrite, Nitrate-Nonspecific	0.01	MG/L	2.21 J	2.08	1.91	1.98 H	2.18	2.08	4.73	6.26 H	7.77
SULFATE (AS SO4)	1	MG/L									
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	420	401	410	418	414	402	491	533	546
TOTAL ORGANIC CARBON	1	MG/L									

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		Location	UCD4-047
		Sample ID	GWGW1576
		Date	11/4/2002
AnalyteNameShort	CRDL	UnitsID	
ALKALINITY, TOTAL (AS CaCO3)	10	MG/L	
CHLORIDE (AS CL)	1	MG/L	
Nitrite, Nitrate-Nonspecific	0.01	MG/L	7.51 J
SULFATE (AS SO4)	1	MG/L	
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	541
TOTAL ORGANIC CARBON	1	MG/L	

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		Location	DDC-1A	DDC-1A	DDC-1B	DDC-1B	DDC-1B	DDC-1B	DDC-1B	DDC-1B	DDC-1C
		Sample ID	W02022201	W02052901	02111801	W02022202	W02052902	W02121301	W02121701	W02122301	02111802
		Date	2/22/2002	5/29/2002	11/18/2002	2/22/2002	5/29/2002	12/13/2002	12/17/2002	12/23/2002	11/18/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,1,2-TRICHLOROETHANE	1	UG/L	0.55 J	0.36 J	< 10	0.59 J	0.4 J	0.83 J	1.1	1.3	< 20
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
2-HEXANONE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20
ACETONE	5	UG/L	1.4 JB	< 5	< 50	1.4 JB	< 5	< 5	< 5	< 5	< 100
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
BROMOMETHANE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
CHLOROFORM	0.5	UG/L	19.8	12.3	355	21.4	14.2	26.2	30.3	35	623
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	0.28 J	< 0.5	< 10
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 10	< 1	< 1	0.62 J	< 1	< 1	< 20
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20
METHYLENE CHLORIDE	1	UG/L	2	1 B	< 10	1.7	0.78 JB	< 1	< 1	< 1	< 20
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 20

APPENDIX B
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		Location	DDC-1C	DDC-1C	DDC-1C	DDC-1C	DDC-1C	DDC-2B	DDC-2B	DDC-2B	DDC-2B
		Sample ID	W02022203	W02052903	W02121305	W02121707	W02122312	02111501	W02121201	W02121601	W02122302
		Date	2/22/2002	5/29/2002	12/13/2002	12/17/2002	12/23/2002	11/15/2002	12/12/2002	12/16/2002	12/23/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	0.73 J	0.44 J	1.4	1.4	1.6	< 50	3.4	3.1	3.1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1
ACETONE	5	UG/L	1.5 JB	< 5	< 5	< 5	< 5	2670	< 5	561 D	0.8 J
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	32.7	19.8	64.8	44.5	54.2	1450	36.9	33.7	32.8
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	0.31 JB	< 1	0.72 J	< 1	< 1	< 50	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	0.51 J	0.81 JB	< 1	< 1	< 1	< 50	< 1	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1	< 1	< 50	< 1	< 1	< 1

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		Location	DDC-2C	DDC-2C	DDC-2C	DDC-2C	DDC-3B	DDC-3B	DDC-3B	DDC-3B	DDC-3C
		Sample ID	02111502	W02121302	W02121602	W02122303	02111503	W02121202	W02121603	W02122304	02111504
		Date	11/15/2002	12/13/2002	12/16/2002	12/23/2002	11/15/2002	12/12/2002	12/16/2002	12/23/2002	11/15/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,1,2-TRICHLOROETHANE	1	UG/L	< 50	4.4	4.2	3.7	< 50	0.87 J	0.86 J	0.29 J	< 50
1,1-DICHLOROETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	13.2 J	< 0.5	< 0.5	< 0.5	12.6 J
1,1-DICHLOROETHENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,2-DICHLOROBENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,2-DICHLOROETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	0.45 J	0.32 J	< 0.5	< 25
1,2-DICHLOROPROPANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,3-DICHLOROBENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,4-DICHLOROBENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
1,4-DICHLOROBENZENE	10	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
2-HEXANONE	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
ACETONE	5	UG/L	< 250	< 5	< 5	< 5	5100	< 5	< 5	11.4 J	4970
BENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
BROMOCHLOROMETHANE	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
BROMODICHLOROMETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
BROMOFORM	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
BROMOMETHANE	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
CARBON DISULFIDE	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
CARBON TETRACHLORIDE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
CHLOROBENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
CHLOROETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
CHLOROFORM	0.5	UG/L	1810	55	47.3	36.6	1260	36.6	36.8	12.4	1180
CHLOROMETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
DIBROMOCHLOROMETHANE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
ETHYLBENZENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	11.8	< 50
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
METHYLENE CHLORIDE	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50
STYRENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
TOLUENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
VINYL CHLORIDE	0.5	UG/L	< 25	< 0.5	< 0.5	< 0.5	< 25	< 0.5	< 0.5	< 0.5	< 25
XYLENES, TOTAL	1	UG/L	< 50	< 1	< 1	< 1	< 50	< 1	< 1	< 1	< 50

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		Location	DDC-3C	DDC-3C	DDC-3C	DDC-4B	DDC-4B	DDC-4B	DDC-4B	DDC-4C	DDC-4C
		Sample ID	W02121303	W02121604	W02122305	02111505	W02121203	W02121702	W02122306	02111506	W02121204
		Date	12/13/2002	12/16/2002	12/23/2002	11/15/2002	12/12/2002	12/17/2002	12/23/2002	11/15/2002	12/12/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,1,2-TRICHLOROETHANE	1	UG/L	0.99 J	0.94 J	1	< 100	0.67 J	0.51 J	0.64 J	< 200	0.74 J
1,1-DICHLOROETHANE	0.5	UG/L	0.26 J	< 0.5	0.28 J	36.1 J	< 1	< 0.5	0.28 J	< 100	< 1
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,2-DICHLOROETHANE	0.5	UG/L	0.53	0.43 J	0.43 J	40.5 J	2.3	1.6	1.6	< 100	2.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
ACETONE	5	UG/L	< 5	35.8	2.6 J	< 500	< 10	< 5	< 5	< 1000	< 10
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
CHLOROFORM	0.5	UG/L	54	48.9	53.1	3720	137	85.4	90.9	5600	146
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 50	< 1	< 0.5	< 0.5	< 100	< 1
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 100	< 2	< 1	< 1	< 200	< 2

APPENDIX B
VOLATILE ORGANIC COMPOUNDS - DDC System
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		Location	DDC-4C	DDC-4C	DDC-5B	DDC-5B	DDC-5B	DDC-5B	DDC-5C	DDC-5C	DDC-5C
		Sample ID	W02121703	W02122307	02111803	W02121205	W02121704	W02122308	02111804	W02121304	W02121705
		Date	12/17/2002	12/23/2002	11/18/2002	12/12/2002	12/17/2002	12/23/2002	11/18/2002	12/13/2002	12/17/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	0.67 J	0.55 J	< 10	< 1	< 1	< 1	< 10	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	0.32 J	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	2	1.6	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
ACETONE	5	UG/L	< 5	< 5	< 50	6.5	< 5	1.8 J	< 50	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	141 D	91.1	402	12.5	16.5	26	382	50.7	64
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 10	< 1	< 1	< 1	< 10	< 1	< 1

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VOLATILE ORGANIC COMPOUNDS - DDC System
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		Location	DDC-5C	DDC-6B	DDC-6B	DDC-6B	DDC-6B	DDC-6C	DDC-6C	DDC-6C	DDC-6C
		Sample ID	W02122309	02111507	W02121206	W02121605	W02122310	02111508	W02121207	W02121706	W02122311
		Date	12/23/2002	11/15/2002	12/12/2002	12/16/2002	12/23/2002	11/15/2002	12/12/2002	12/17/2002	12/23/2002
AnalyteNameShort	CRDL	UnitsID									
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	0.4 J	< 10	1	2.2	2.8	< 50	3.2	2.8	3.5
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	0.44 J	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
ACETONE	5	UG/L	< 5	5990 J	< 5	< 5	< 5	6670	< 10	< 5	< 5
BENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	161 D	556 D	29.3	49.6	67.4	1250	108	69.4	116 D
CHLOROMETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	0.46 J	< 0.5	< 25	< 1	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1
STYRENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 25	< 1	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 10	< 1	< 1	< 1	< 50	< 2	< 1	< 1

APPENDIX B
VOLATILE ORGANIC COMPOUNDS - STORMWATER
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		Location	LF-01	LS-01
		Sample ID	STMW0124	RWSW0029a
		Date	11/9/2002	11/8/2002
AnalyteNameShort	CRDL	Units		
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 1
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 1
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 1
1,1-DICHLOROETHENE	0.5	UG/L	0.44 J	< 1
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 1
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 1
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	
~~1,4-DICHLOROBENZENE~~ report lowest only	10	UG/L	< 0.5	
2-HEXANONE	1	UG/L	< 1	< 5 2-~~Butanone~~ <5
ACETONE	5	UG/L	5.8	12.2. 4-~~Methyl-2-pentanone~~ <5
BENZENE	0.5	UG/L	< 0.5	< 1
BROMOCHLOROMETHANE	1	UG/L	< 1	
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 1
BROMOFORM	0.5	UG/L	< 0.5	< 1
BROMOMETHANE	1	UG/L	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 5
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 1
CHLOROBENZENE	0.5	UG/L	< 0.5	< 1
CHLOROETHANE	0.5	UG/L	< 0.5	< 1
CHLOROFORM	0.5	UG/L	0.48 J	< 1
CHLOROMETHANE	0.5	UG/L	< 0.5	< 1
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 1
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 1
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 1
ETHYLBENZENE	0.5	UG/L	< 0.5	< 1
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 5
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 5
METHYLENE CHLORIDE	1	UG/L	< 1	< 5
STYRENE	0.5	UG/L	< 0.5	< 1
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 1
TOLUENE	0.5	UG/L	< 0.5	0.59 J
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 1
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 1
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 1
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 1
XYLENES, TOTAL	1	UG/L	< 1	< 1

7/21/03

APPENDIX B
METALS - STORMWATER
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		Location	LF-01	LS-01
		Sample ID	STMW0124	RWSW0029a
		Date	11/9/2002	11/8/2002
AnalyteNameShort	CRDL	UnitsID		
ANTIMONY	5	UG/L	< 0.022	42.6
ARSENIC	3	UG/L	6.94	4.01 J
BARIUM	20	UG/L	194	146
BERYLLIUM	1	UG/L	0.486 B	< 0.37
BORON	50	UG/L	62 J	
CADMIUM	1	UG/L	0.955 B	0.734 J
CALCIUM	2000	UG/L		7240
CHROMIUM, TOTAL	10	UG/L	64.9	2.37 J
COBALT	10	UG/L	20.8	10.8
COPPER	10	UG/L	37.8 J	33.1
IRON	100	UG/L	21500	4700
LEAD	3	UG/L	31.1 J	8.43
MAGNESIUM	2000	UG/L		3370
MANGANESE	10	UG/L	637	411
MERCURY	0.2	UG/L	0.549	< 0.039
MOLYBDENUM	10	UG/L	0.55 B	< 1.91
NICKEL	20	UG/L	129 J	40.3
POTASSIUM	2000	UG/L		2540
SELENIUM	3	UG/L	< 0.49	< 3.66
SILVER	10	UG/L	0.257 B	< 1.17
SODIUM	2000	UG/L		6450
THALLIUM	10	UG/L	< 0.009	< 6.56
VANADIUM	10	UG/L	53.9	14.8
ZINC	20	UG/L	249 J	238

APPENDIX B
RADs - STORMWATER
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		Location	LF-01	LS-01
		Sample ID	STMW0124	RWSW0029a
		Date	11/9/2002	11/8/2002
AnalyteNameShort	CRDL	UnitsID		
ACTINIUM 228	20	PCI/L		< 8.91
ALPHA, GROSS	2	PCI/L		58.2 +/- 24.1
BETA, GROSS	3	PCI/L		115 +/- 32.4
BISMUTH-212	70	PCI/L		< 17
BISMUTH-214	10	PCI/L		< 5.03
CARBON-14	20	PCI/L	< 7.62	< 6.17
CESIUM-137	10	PCI/L		< 2.08
COBALT-60	10	PCI/L		< 2.01
LEAD-210	150	PCI/L		< 637
LEAD-212	10	PCI/L		< 4.66
LEAD-214	10	PCI/L		< 5.07
POTASSIUM-40	100	PCI/L		< 33.6
RADIUM-226	1	PCI/L	0.645 J	<0.232
SODIUM-22	10	PCI/L		< 2.61
STRONTIUM-90	1	PCI/L	< 0.352	<1.08
THALLIUM-208	5	PCI/L		< 2.51
THORIUM-234	200	PCI/L		< 154
TRITIUM (HYDROGEN-3)	300	PCI/L	< 159	
URANIUM-235	25	PCI/L		< 15.6
URANIUM-238	500	PCI/L		< 124

15 pCi/l

APPENDIX B
PESTICIDES/PCBs - STORMWATER
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		Location	LF-01	LS-01
		Sample ID	STMW0124	RWSW0029a
		Date	11/9/2002	11/8/2002
AnalyteNameShort	CRDL	UnitsID		
ALDRIN	0.01	UG/L	< 0.002	< 0.02
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.002	< 0.02
ALPHA ENDOSULFAN	0.01	UG/L	0.0057	< 0.02
ALPHA-CHLORDANE	0.01	UG/L	0.0045 P	
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.002	< 0.02
BETA ENDOSULFAN	0.02	UG/L	0.018	< 0.04
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.002	< 0.02
DIELDRIN	0.02	UG/L	0.021	< 0.04
ENDOSULFAN SULFATE	0.02	UG/L	0.019	< 0.04
ENDRIN	0.02	UG/L	< 0.0041	< 0.04
ENDRIN ALDEHYDE	0.02	UG/L	< 0.0041	< 0.04
ENDRIN KETONE	0.02	UG/L	< 0.0041	< 0.04
GAMMA BHC (LINDANE)	0.01	UG/L	< 0.002	< 0.02
GAMMA-CHLORDANE	0.01	UG/L	0.0025	
HEPTACHLOR	0.01	UG/L	< 0.002	< 0.02
HEPTACHLOR EPOXIDE	0.01	UG/L	< 0.002	< 0.02
METHOXYCHLOR	0.1	UG/L	< 0.02	< 0.2
p,p'-DDD	0.02	UG/L	< 0.0041	< 0.04
p,p'-DDE	0.02	UG/L	0.0044 J	< 0.04
p,p'-DDT	0.02	UG/L	0.021 P	0.058
PCB-1016 (AROCHLOR 1016)	0.2	UG/L	< 0.041	< 0.5
PCB-1221 (AROCHLOR 1221)	0.4	UG/L	< 0.082	< 0.5
PCB-1232 (AROCHLOR 1232)	0.2	UG/L	< 0.041	< 0.5
PCB-1242 (AROCHLOR 1242)	0.2	UG/L	< 0.041	< 0.5
PCB-1248 (AROCHLOR 1248)	0.2	UG/L	< 0.041	< 0.5
PCB-1254 (AROCHLOR 1254)	0.2	UG/L	< 0.041	< 0.5
PCB-1260 (AROCHLOR 1260)	0.2	UG/L	< 0.041	< 0.5
TOXAPHENE	1	UG/L	< 0.2	< 1

Chlordane < 0.25

APPENDIX B
WET CHEMISTRY - STORMWATER
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		Location	LF-01	LS-01
		Sample ID	STMW0124	RWSW0029a
		Date	11/9/2002	11/8/2002
AnalyteNameShort	CRDL	UnitsID		
Nitrite, Nitrate-Nonspecific	0.01	MG/L	0.716 J	0.523
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	91	70
TOTAL ORGANIC CARBON	1	MG/L	10.3	13.3
Hexavalent Chromium		MG/L		<0.027
Oil and Grease		MG/L		<1.27
Total Suspended Solids		MG/L		698

APPENDIX B
VOLATILE ORGANIC COMPOUNDS - SURFACE WATER
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		Location	PCU	PCD	PCD	STPO
		Sample ID	SWSW0255	SWSW0256	SWSW0258	SWSW0257
		Date	11/12/2002	11/12/2002	11/12/2002	11/12/2002
AnalyteNameShort	CRDL	UnitsID				
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1,2-TRICHLOROETHANE	1	UG/L	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	0.36 J	0.27 J	0.28 J	< 0.5
1,2-DIBROMO-3-CHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	10	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
2-HEXANONE	1	UG/L	< 1	< 1	< 1	< 1
ACETONE	5	UG/L	1.4 J	1.2 J	1.9 J	< 5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
BROMOCHLOROMETHANE	1	UG/L	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1	UG/L	< 1	< 1	< 1	< 1
CARBON DISULFIDE	1	UG/L	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,2-DICHLOROETHYLENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
METHYL ETHYL KETONE (2-BUTANONE)	1	UG/L	< 1	< 1	< 1	< 1
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1	UG/L	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	1	UG/L	< 1	< 1	< 1	0.47 J
STYRENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
TETRACHLOROETHYLENE(PCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,2-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
trans-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
TRICHLOROETHYLENE (TCE)	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	< 0.5
XYLENES, TOTAL	1	UG/L	< 1	< 1	< 1	< 1

APPENDIX B
METALS - SURFACE WATER
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		Location	PCU	PCD	PCD	STPO
		Sample ID	SWSW0255	SWSW0256	SWSW0258	SWSW0257
		Date	11/12/2002	11/12/2002	11/12/2002	11/12/2002
AnalyteNameShort	CRDL	UnitsID				
ANTIMONY	5	UG/L	< 0.022	< 0.022	< 0.022	< 0.022
ARSENIC	3	UG/L	1.91 B	2.6 B	2.29 B	5.44
BARIUM	20	UG/L	73	72.5	71.4	29.4
BERYLLIUM	1	UG/L	< 0.03	0.034 B	0.03 B	< 0.03
BORON	50	UG/L	223 J	256 J	267 J	819 J
CADMIUM	1	UG/L	0.036 B	0.023 B	< 0.022	< 0.022
CHROMIUM, TOTAL	10	UG/L	3.78 B	3.8 B	3.27 B	1.54 B
COBALT	10	UG/L	0.555 B	0.614 B	0.611 B	0.271 B
COPPER	10	UG/L	3.82 J	3.95 J	3.73 J	6.84 J
IRON	100	UG/L	771	696	673	57.2 B
LEAD	3	UG/L	0.498 J	0.464 J	0.358 J	0.274 J
MANGANESE	10	UG/L	21.8	20.1	22.9	0.791 B
MERCURY	0.2	UG/L	< 0.039	< 0.039	< 0.039	< 0.039
MOLYBDENUM	10	UG/L	0.517 B	1.74 B	1.74 B	36.9
NICKEL	20	UG/L	5.24 J	6.08 J	5.93 J	1.71 J
SELENIUM	3	UG/L	< 0.49	< 0.49	< 0.49	< 0.49
SILVER	10	UG/L	0.01	< 0.006	< 0.006	< 0.006
THALLIUM	10	UG/L	< 0.009	< 0.009	< 0.009	< 0.009
VANADIUM	10	UG/L	5.82 B	5.51 B	5.98 B	17.6
ZINC	20	UG/L	< 0.056	< 0.056	< 0.056	29 J

APPENDIX B
RADIONUCLIDES - SURFACE WATER
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		Location	PCU	PCD	PCD	STPO
		Sample ID	SWSW0255	SWSW0256	SWSW0258	SWSW0257
		Date	11/12/2002	11/12/2002	11/12/2002	11/12/2002
AnalyteNameShort	CRDL	UnitsID				
CARBON-14	20	PCI/L	< 6.12	< 6.18	< 6.14	< 6.1
RADIUM-226	1	PCI/L	< 0.381	< 0.461	< 0.347	< 0.413
STRONTIUM-90	1	PCI/L	< 0.499	< 0.42	< 0.335	< 0.457
TRITIUM (HYDROGEN-3)	300	PCI/L	< 160	< 160	< 159	< 159

APPENDIX B
PESTICIDES PCBs - SURFACE WATER
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		Location	PCU	PCD	PCD	STPO
		Sample ID	SWSW0255	SWSW0256	SWSW0258	SWSW0257
		Date	11/12/2002	11/12/2002	11/12/2002	11/12/2002
AnalyteNameShort	CRDL	UnitsID				
ALDRIN	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
ALPHA ENDOSULFAN	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
ALPHA-CHLORDANE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
BETA ENDOSULFAN	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
DIELDRIN	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
ENDOSULFAN SULFATE	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
ENDRIN	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
ENDRIN ALDEHYDE	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
ENDRIN KETONE	0.02	UG/L	< 0.0038	< 0.0039	< 0.0039	< 0.0039
GAMMA BHC (LINDANE)	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
GAMMA-CHLORDANE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
HEPTACHLOR	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	0.0028 J
HEPTACHLOR EPOXIDE	0.01	UG/L	< 0.0019	< 0.002	< 0.0019	< 0.002
METHOXYCHLOR	0.1	UG/L	< 0.019	< 0.02	< 0.019	< 0.02
p,p'-DDD	0.02	UG/L	< 0.0038	< 0.0039	< 0.004	< 0.0039
p,p'-DDE	0.02	UG/L	0.0013 J	< 0.0039	0.0026 J	< 0.0039
p,p'-DDT	0.02	UG/L	0.009 J	< 0.0039	0.012 P	< 0.004
PCB-1016 (AROCHLOR 1016)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
PCB-1221 (AROCHLOR 1221)	0.4	UG/L	< 0.077	< 0.078	< 0.078	< 0.078
PCB-1232 (AROCHLOR 1232)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
PCB-1242 (AROCHLOR 1242)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
PCB-1248 (AROCHLOR 1248)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
PCB-1254 (AROCHLOR 1254)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
PCB-1260 (AROCHLOR 1260)	0.2	UG/L	< 0.038	< 0.039	< 0.039	< 0.039
TOXAPHENE	1	UG/L	< 0.19	< 0.2	< 0.19	< 0.2

APPENDIX B
WET CHEMISTRY - SURFACE WATER
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		Location	PCU	PCD	PCD	STPO
		Sample ID	SWSW0255	SWSW0256	SWSW0258	SWSW0257
		Date	11/12/2002	11/12/2002	11/12/2002	11/12/2002
AnalyteNameShort	CRDL	UnitsID				
Nitrite, Nitrate-Nonspecific	0.01	MG/L	0.596	0.771	0.739	7.84
TOTAL DISSOLVED SOLIDS (RESIDUE, FILTERABLE)	20	MG/L	214	222	231	558

APPENDIX C

Groundwater IRA Treatment System Operation Log

APPENDIX C
GROUNDWATER IRA TREATMENT SYSTEM OPERATION LOG
2002 ANNUAL GROUNDWATER TREATMENT SYSTEM AND WATER MONITORING REPORT
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DATE	TIME	EXTRACTION SYSTEM System On Note	EXTRACTION SYSTEM System On Hours	EXTRACTION SYSTEM System Off Note	EXTRACTION SYSTEM System Off Hours	EXTRACTION SYSTEM Flow Rate (gpm)	EXTRACTION SYSTEM Totalizer (gallons)	BERRYESSA MIXING SYSTEM System On Note	BERRYESSA MIXING SYSTEM System On Hours	BERRYESSA MIXING SYSTEM System Off Note	BERRYESSA MIXING SYSTEM System Off Hours	BERRYESSA MIXING SYSTEM Flow Rate (gpm)	BERRYESSA MIXING SYSTEM Totalizer (gallons)	Flow Rate (gpm)	INJECTION Totalizer (gallons)	IRRIGATION Totalizer (gallons)	Notes
01/01/02	0:00	--	0:00	A	0:00	NA	NA	--	0:00	M	0:00	NA	NA	NA	NA	NA	Treatment system shut down due to high level alarm in injection well.
01/03/02	12:00	X	0.00	--	60.00	40	20,639,801	--	0.00	M	60.00	NA	NA	60	24,977,832	NA	Treatment system restarted.
01/14/02	07:50	--	259.83	M	0.00	40	21,184,525	--	0.00	M	259.83	NA	NA	60	25,500,522	NA	Treatment system shut down for injection well rehabilitation.
01/31/02	00:00	--	0.00	M	424.17	--	NA	--	0.00	M	424.17	NA	NA	NA	NA	NA	Treatment system shut down for injection well rehabilitation.
02/01/02	09:00	X	0.00	--	0.00	70	21,184,525	--	0.00	--	0.00	NA	NA	NA	25,500,522	NA	Treatment system restarted.
02/08/02	07:45	--	166.75	A	0.00	--	NA	--	0.00	M	0.00	NA	NA	NA	NA	NA	Treatment system shut down due to blower fail alarm.
02/11/02	12:30	X	0.00	--	76.75	75	21,886,660	--	0.00	M	76.75	NA	NA	95	26,240,964	NA	Treatment system restarted.
02/13/02	15:00	--	50.50	A	0.00	--	NA	--	0.00	M	50.50	NA	NA	NA	NA	NA	Treatment system shutdown due to high effluent tank.
02/14/02	13:00	X	0.00	--	22.00	75	NA	--	0.00	M	22.00	NA	NA	NA	NA	NA	Treatment system restarted.
02/18/02	07:30	--	90.50	A	0.00	--	NA	--	0.00	M	90.50	NA	NA	NA	NA	NA	Treatment system shutdown
02/18/02	12:00	X	0.00	--	4.50	75	22,540,325	--	0.00	M	4.50	NA	NA	95	26,940,439	NA	Treatment system restarted.
02/19/02	09:00	--	21.00	A	0.00	--	NA	--	0.00	M	21.00	NA	NA	NA	NA	NA	Treatment system shut down due to high influent tank alarm.
02/19/02	15:00	X	0.00	--	6.00	75	22,568,756	--	0.00	M	6.00	NA	NA	NA	26,970,487	NA	Treatment system restarted.
02/21/02	11:15	R	44.25	--	0.00	110	22,771,274	--	0.00	M	44.25	NA	NA	NA	27,188,723	NA	Treatment system running.
02/26/02	16:50	--	125.58	M	0.00	--	NA	--	0.00	M	125.58	NA	NA	NA	NA	NA	Treatment system shutdown for static water level measurements
02/27/02	17:30	X	0.00	--	24.67	80	22,595,522	--	0.00	M	24.67	NA	NA	NA	28,095,211	NA	Treatment system restarted.

APPENDIX C
GROUNDWATER IRA TREATMENT SYSTEM OPERATION LOG
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		EXTRACTION SYSTEM						BERRYESSA MIXING SYSTEM							INJECTION	IRRIGATION	
		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
02/28/02	14:15	R	20.75	--	0.00	80	23,701,401	--	0.00	M	20.75	NA	NA	NA	28,208,996	NA	Treatment system running.
02/28/02	21:25	--	7.17	A	0.00	--	NA	--	0.00	M	7.17	NA	NA	NA	NA	NA	Treatment system shutdown due to high level effluent tank
03/01/02	13:30	X	0.00	--	16.08	85	23,735,929	--	0.00	M	16.08	NA	NA	135	28,247,004	NA	Treatment system restarted.
03/07/02	14:00	R	144.50	--	0.00	80	24,472,427	--	0.00	M	144.50	NA	1,518,164.1	145.0	29,045,021	NA	Berryessa mixing system started at 14:00.
03/09/02	20:30	--	54.50	A	0.00	--	NA	--	0.00	M	54.50	NA	NA	NA	NA	NA	High effluent tank level alarm triggered.
03/11/02	16:00	X	0.00	--	43.50	80	24,737,512	--	0.00	M	43.50	NA	NA	150.0	29,407,663	NA	Treatment system restarted.
03/13/02	07:00	--	39.00	B	0.00	--	NA	--	0.00	M	39.00	NA	NA	NA	NA	NA	Berryessa system shutdown due to low flow.
03/13/02	14:15	--	0.00	M	7.25	--	NA	--	0.00	M	7.25	NA	NA	NA	NA	NA	System shut down to change bag filters.
03/13/02	14:45	X	0.00	--	0.50	80	24,965,368	--	0.00	M	0.50	NA	1,662,826.7	155.0	29,713,388	NA	Treatment system restarted.
03/18/02	11:15	--	116.50	M	0.00	--	NA	--	0.00	M	116.50	NA	NA	NA	NA	NA	System shut down to change bag filters.
03/18/02	12:15	X	0.00	--	1.00	80	25,519,959	--	0.00	M	1.00	NA	NA	135	30,457,429	NA	Berryessa mixing system down at 12:10 due to loss of capacity in injection well.
03/20/02	10:30	R	46.25	--	0.00	80	25,748,979	--	0.00	M	46.25	NA	1,815,441.2	135.0	30,708,159	NA	Berryessa restarted at 10:30.
03/21/02	08:29	--	21.98	M	0.00	--	NA	--	0.00	M	21.98	NA	NA	NA	NA	NA	System shut down for preventative maintenance.
03/21/02	10:00	X	0.00	--	1.52	80	NA	--	0.00	M	1.52	NA	NA	NA	NA	NA	Treatment system restarted.
03/28/02	14:30	--	172.50	M	0.00	--	NA	--	0.00	M	172.50	NA	NA	NA	NA	NA	System shut down to change bag filters.
03/28/02	15:15	X	0.00	--	0.75	80	26,661,589	--	0.00	M	0.75	NA	1,981,869.4	140.0	31,875,849	NA	Treatment system restarted.

APPENDIX C
GROUNDWATER IRA TREATMENT SYSTEM OPERATION LOG
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		EXTRACTION SYSTEM						BERRYESSA MIXING SYSTEM							INJECTION	IRRIGATION	
		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
04/02/02	14:15	--	119.00	A	0.00	--	--	--	0.00	A	119.00	NA	NA	--	--	NA	High injection well alarm triggered when flow rate increased.
04/02/02	15:15	X	0.00	--	1.00	80	27,222,755	X	0.00	--	1.00	25	2,093,262.8	135	32,597,996	NA	Treatment system restarted.
04/03/02	21:20	--	30.08	A	0.00	--	--	--	30.08	A	0.00	--	--	--	--	NA	High level alarm in the injection well.
04/04/02	14:30	X	0.00	--	17.17	80	27,365,813	X	0.00	--	17.17	15	2,122,684.6	115	32,781,942	NA	Treatment system restarted.
04/10/02	10:25	--	139.92	M	0.00	--	--	--	139.92	M	0.00	--	--	--	--	NA	System shut down for acid wash of the air stripper.
04/10/02	18:25	X	0.00	--	8.00	NA	NA	X	0.00	--	8.00	NA	NA	NA	NA	NA	Treatment system restarted.
04/16/02	00:00	--	149.58	A	0.00	--	--	--	149.58	A	0.00	--	--	--	--	NA	System shut down due to low pressure in the air stripper.
04/17/02	15:00	X	0.00	--	15.00	80	28,477,616	X	0.00	--	15.00	15	2,265,602.8	120	34,165,245	NA	Bag filters inspected and changed before start up.
04/18/02	10:23	R	19.38	--	0.00	80	NA	--	19.38	O	0.00	15	--	--	--	NA	Berryesssa mixing water not available due to irrigation.
04/30/02	15:15	R	292.87	--	0.00	80	29,981,416	X	0.00	--	292.87	15	2,276,465.6	125	35,814,615	NA	Treatment system running. Totalizer readings collected.
04/30/02	23:38	--	8.38	A	0.00	--	--	--	8.38	M	0.00	--	--	--	--	NA	System shut down due to high level in the influent tank.
05/01/02	14:15	X	0.00	--	14.25	80	30,020,952	X	0.00	--	14.25	15	2,284,594.0	125	35,866,053	NA	Treatment system started.
05/02/02	10:30	--	20.25	M	0.00	--	--	--	20.25	M	0.00	--	--	--	--	NA	System shut down because of high levels in irrigation tank.
05/02/02	11:00	X	0.00	--	0.50	80	30,118,799	X	0.00	--	0.50	15	2,296,010.5	120	35,975,021	NA	Treatment system started.
05/03/02	11:30	--	24.50	M	0.00	--	--	--	24.50	M	0.00	--	--	--	--	NA	System shut down to reprogram PLC.
05/03/02	12:15	X	0.00	--	0.75	80	30,216,782	X	0.00	--	0.75	15	2,312,052.5	120	36,111,667	NA	Treatment system started.

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GROUNDWATER IRA TREATMENT SYSTEM OPERATION LOG
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DATE	TIME	EXTRACTION SYSTEM System On Note	EXTRACTION SYSTEM System On Hours	EXTRACTION SYSTEM System Off Note	EXTRACTION SYSTEM System Off Hours	EXTRACTION SYSTEM Flow Rate (gpm)	EXTRACTION SYSTEM Totalizer (gallons)	BERRYESSA MIXING SYSTEM System On Note	BERRYESSA MIXING SYSTEM System On Hours	BERRYESSA MIXING SYSTEM System Off Note	BERRYESSA MIXING SYSTEM System Off Hours	BERRYESSA MIXING SYSTEM Flow Rate (gpm)	BERRYESSA MIXING SYSTEM Totalizer (gallons)	INJECTION Flow Rate (gpm)	INJECTION Totalizer (gallons)	IRRIGATION Totalizer (gallons)	Notes
05/14/02	07:00	R	258.75	--	0.00	--	--	--	258.75	A	0.00	--	--	--	--	500	Berryessa system shut down as of 7:00. Treatment system still running. Irrigation flow meter installed 5/13/02.
05/20/02	14:00	R	151.00	--	0.00	80	NA	X	0.00	--	151.00	15	NA	120	NA	NA	Treatment system running.
05/22/02	12:30	--	46.50	A	0.00	--	--	--	46.50	A	0.00	--	--	--	--	NA	System shut down when flow rate to injection well was increased.
05/22/02	12:45	X	0.00	--	0.25	80	32,413,450	X	0.00	--	0.25	20	2,514,769.4	125	38,757,927	950	Treatment system started.
05/27/02	10:44	--	117.98	A	0.00	--	--	--	117.98	A	0.00	--	--	--	--	NA	System shut down due to high level in the injection well.
05/28/02	14:45	X	0.00	--	28.02	75	33,048,861	X	0.00	--	28.02	20	2,630,827.0	120	39,587,632	950	Treatment system started.
05/28/02	14:55	--	0.17	M	0.00	--	--	--	0.17	M	0.00	--	--	--	--	--	System shut down due to high injection well level. Bag filters changed while the system was down.
05/28/02	15:15	X	0.00	--	0.33	70	NA	X	0.00	--	0.33	15	NA	115	NA	NA	Treatment system started.
05/31/02	13:50	R	70.58	--	0.00	--	--	--	71.08	M	0.00	--	--	--	--	--	Treatment system running. Berryessa shut down as of 13:50.
06/04/02	10:15	--	92.42	A	0.00	--	--	--	0.00	A	82.25	--	--	--	--	--	System shut down due to high level in the air stripper sump.
06/04/02	14:20	X	0.00	--	4.08	70	33,544,677	X	0.00	--	4.08	10	2,673,016.4	115	40,182,443	950	Treatment system restarted.
06/04/02	20:17	R	5.95	--	0.00	--	--	--	5.95	A	0.00	--	--	--	--	--	Berryessa system shut down. Treatment system still running.
06/10/02	15:00	R	138.72	--	0.00	65	34,159,659	X	0.00	--	138.72	30	2,675,820.8	125	40,858,813	950	Berryessa system restarted 15:00.
06/14/02	12:00	--	93.00	M	0.00	--	--	--	93.00	M	0.00	--	--	--	--	--	System shut down to test controls on irrigation system.
06/14/02	14:00	X	0.00	--	2.00	65	34,530,243	X	0.00	--	2.00	30	2,804,576.2	125	41,389,886	14,805	Treatment system restarted.
06/17/02	20:17	R	78.28	--	0.00	--	--	--	78.28	A	0.00	--	--	--	--	--	Berryessa system shut down due to irrigation. Treatment system still running.

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		EXTRACTION SYSTEM						BERRYESSA MIXING SYSTEM							INJECTION	IRRIGATION	
		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
06/19/02	11:30	R	39.22	--	0.00	90	35,022,993	--	0.00	A	39.22	0	2,906,733.9	125	42,029,685	14,805	Extraction rate increased while Berryessa system is down.
06/20/02	02:20	--	14.83	A	0.00	--	--	--	0.00	A	14.83	--	--	--	--	--	Treatment system shut down due to high level in the influent tank.
06/20/02	10:15	X	0.00	--	7.92	85	35,107,133	--	0.00	A	7.92	0	2,906,733.9	125	42,120,590	14,805	Treatment system restarted. Berryessa system shut down.
06/26/02	09:50	--	143.58	A	0.00	--	--	--	0.00	A	143.58	--	--	--	--	--	Treatment system shut down while testing injection well capacity.
06/26/02	10:00	X	0.00	--	0.17	65	35,857,949	X	0.00	--	0.17	30	2,906,735.0	130	42,944,657	14,855	Treatment system restarted. Berryessa system restarted.
06/29/02	02:12	R	64.20	--	0.00	--	--	--	64.20	A	0.00	--	--	--	--	--	Berryesssa system shut down. Treatment system still running.
07/01/02	10:25	R	56.22	--	0.00	65	36,309,981	X	0.00	--	56.22	30	2,973,678.9	135	43,504,697	--	Berryessa system restarted.
07/04/02	13:43	R	75.30	--	0.00	--	--	--	75.30	A	0.00	--	--	--	--	--	Berryessa system shut down. Treatment system still running.
07/12/02	14:00	R	192.28	--	0.00	65	37,284,747	X	0.00	--	192.28	30	3,103,404.7	135	44,682,470	15,762	Berryessa system restarted at 14:00. Treatment system still running.
07/16/02	10:14	R	92.23	--	0.00	65	37,702,421	R	92.23	--	0.00	30	3,253,329.7	135	45,283,633	16,112	Treatment system running.
07/18/02	13:00	--	50.77	A	0.00	--	--	--	50.77	A	0.00	--	--	--	--	--	System shut down due to air (stripper) duct collapsed.
07/19/02	11:30	X	0.00	--	22.50	115	NA	--	0.00	M	22.50	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.
07/20/02	00:00	--	12.50	A	0.00	--	--	--	0.00	M	12.50	--	--	--	--	--	Treatment system shut down due to high injection well.
07/20/02	08:30	X	0.00	--	8.50	NA	NA	--	0.00	M	8.50	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.
07/21/02	01:54	--	17.40	A	0.00	--	--	--	0.00	M	17.40	--	--	--	--	--	Treatment system shut down due to blower fail and high level in the effluent tank.
07/21/02	07:00	X	0.00	--	5.10	NA	NA	--	0.00	M	5.10	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.

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		EXTRACTION SYSTEM						BERRYESSA MIXING SYSTEM							INJECTION	IRRIGATION	
		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
07/22/02	06:43	--	23.72	A	0.00	--	--	--	0.00	M	23.72	--	--	--	--	--	Treatment system shut down due to high levels in injection well.
07/22/02	07:00	X	0.00	--	0.28	NA	NA	--	0.00	M	0.28	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.
07/22/02	09:00	--	2.00	A	0.00	--	--	--	0.00	M	2.00	--	--	--	--	--	Treatment system shut down due to low pressure in the air stripper.
07/22/02	09:30	X	0.00	--	0.50	NA	NA	--	0.00	M	0.50	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.
07/22/02	11:30	--	2.00	A	0.00	--	--	--	0.00	M	2.00	--	--	--	--	--	Treatment system shut down due to a high level in the influent tank. High level was a result of testing the influent set point.
07/22/02	12:00	X	0.00	--	0.50	85	38,132,753	--	0.00	M	0.50	0	3,285,247.3	130	45,786,145	359,509	Treatment system running. Berryessa system shut down manualy.
07/22/02	16:00	--	4.00	A	0.00	--	--	--	0.00	M	4.00	--	--	--	--	--	System shut down due to high level in injection well.
07/22/02	16:45	X	0.00	--	0.75	NA	NA	--	0.00	M	0.75	0	NA	NA	NA	NA	Treatment system running. Berryessa system shut down manualy.
07/31/02	11:30	--	210.75	M	0.00	--	--	--	0.00	M	210.75	--	--	--	--	--	Treatment system shut down manualy to inspect air stripper for scaling.
07/31/02	12:30	X	0.00	--	1.00	85	39,178,636	--	0.00	M	1.00	0	3,285,247.3	120	46,936,656	905,510	Groundwater treatment (GWT) system running. Berryessa system down due to irrigation
08/09/02	05:50	--	209.33	A	0.00	--	--	--	0.00	M	209.33	--	--	--	--	--	GWT system shut down due to blower fail alarm.
08/09/02	10:00	X	0.00	--	4.17	80	40,145,283	--	0.00	M	4.17	0	3,285,247.3	120	47,997,259	1,208,150	GWT system restarted. Berryessa system down due to irrigation.
08/09/02	11:00	--	1.00	M	0.00	--	--	--	0.00	M	1.00	--	--	--	--	--	GWT system shut down manually because of leak in vacuum relief valve. Valve temporarily fixed.
08/09/02	11:30	X	0.00	--	0.50	80	NA	--	0.00	M	0.50	0	NA	120	NA	NA	GWT system restarted after faulty valve temporarily fixed. Berryessa system down due to irrigation.
08/14/02	10:00	--	118.50	M	0.00	--	--	--	0.00	M	118.50	--	--	--	--	--	GWT system shut down to check flow meter.
08/14/02	11:00	X	0.00	--	1.00	80	40,670,928	--	0.00	M	1.00	--	--	125	48,572,813	1,316,262	GWT system restarted. Berryessa system down due to irrigation.

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DATE	TIME	EXTRACTION SYSTEM System On Note	EXTRACTION SYSTEM System On Hours	EXTRACTION SYSTEM System Off Note	EXTRACTION SYSTEM System Off Hours	EXTRACTION SYSTEM Flow Rate (gpm)	EXTRACTION SYSTEM Totalizer (gallons)	BERRYESSA MIXING SYSTEM System On Note	BERRYESSA MIXING SYSTEM System On Hours	BERRYESSA MIXING SYSTEM System Off Note	BERRYESSA MIXING SYSTEM System Off Hours	BERRYESSA MIXING SYSTEM Flow Rate (gpm)	BERRYESSA MIXING SYSTEM Totalizer (gallons)	Flow Rate (gpm)	INJECTION Totalizer (gallons)	IRRIGATION Totalizer (gallons)	Notes
08/20/02	12:30	--	145.50	A	0.00	--	--	--	0.00	A	145.50	--	--	--	--	--	System shut down due to high injection well level during injection well capacity test.
08/20/02	15:00	X	0.00	--	2.50	75	41,330,835	X	0.00	--	2.50	25	3,285,247.3	130	49,305,788	1,403,945	Treatment system restarted and Berryessa system restarted.
08/27/02	11:00	R	164.00	--	0.00	--	--	--	164.00	A	0.00	--	--	--	--	--	Berryessa system shut down. GWT system still running.
08/27/02	14:30	R	3.50	--	0.00	75	NA	X	0.00	--	3.50	25	NA	130	NA	NA	Berryessa system restarted.
08/29/02	14:00	--	47.50	M	0.00	--	--	--	47.50	M	0.00	--	--	--	--	--	GWT system shut down to repair flow meter.
08/29/02	14:45	X	0.00	--	0.75	75	42,323,764	X	0.00	--	0.75	25	3,480,433	130	50,589,765	1,532,804	GWT system restarted. Berryessa system also restarted.
09/02/02	14:45	R	96.00	--	0.00	--	--	--	96.00	A	0.00	--	--	--	--	--	Berryessa system no flow alarm triggered. Berryessa water not available due to irrigation.
09/04/02	18:00	--	51.25	A	0.00	--	--	--	0.00	A	51.25	--	--	--	--	--	Power Outage shut groundwater treatment (GWT) system down. Berryessa system down due to irrigation.
09/05/02	10:00	X	0.00	--	16.00	75	42,986,503	--	0.00	A	16.00	0	3,552,881.4	130	51,397,398	1,641,880	Treatment system restarted. Berryessa system not restarted due to lack of water from irrigation.
09/06/02	02:00	--	16.00	A	0.00	--	--	--	0.00	A	16.00	--	--	--	--	--	GWT system shut down due to high levels in the injection well.
09/06/02	09:30	X	0.00	--	7.50	75	43,058,982	--	0.00	A	7.50	0	3,552,881.4	130	51,477,492	1,664,615	Treatment system restarted. Berryessa system not restarted due to lack of water from irrigation.
09/12/02	10:45	R	145.25	--	0.00	70	43,660,246	X	0.00	--	145.25	30	3,552,947.4	130	52,134,908	1,740,292	Berryessa system restarted. GWT system running.
09/12/02	12:30	R	1.75	--	0.00	--	--	--	1.75	A	0.00	--	--	--	--	--	Berryessa system no flow alarm triggered. GWT system still running.
09/13/02	10:30	R	22.00	--	0.00	65	43,767,404	X	0.00	--	22.00	25	3,554,101.2	115	55,252,880	1,751,095	Berryessa system restarted. GWT system running.
09/13/02	10:45	--	0.25	A	0.00	--	--	--	0.25	A	0.00	--	--	--	--	--	Treatment system shut down due to high injection well level.
09/13/02	11:00	X	0.00	--	0.25	65	N/A	X	0.00	--	0.25	25	N/A	115	N/A	N/A	GWT system restarted amd Berryessa system restarted.

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		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
09/13/02	12:00	R	1.00	--	0.00	--	--	--	1.00	A	0.00	--	--	115	55,252,880	1,751,095	Berryessa system no flow alarm triggered. GWT system still running.
09/18/02	14:30	R	122.50	--	0.00	65	44,259,581	X	0.00	--	122.50	25	3,555,613.7	115	52,792,791	1,817,835	Berryessa system restarted. GWT system running.
09/21/02	14:00	R	71.50	--	0.00	--	--	--	71.50	A	0.00	--	--	--	--	--	Berryessa system no flow alarm triggered. GWT system still running.
09/26/02	15:00	--	121.00	M	0.00	--	--	--	0.00	A	121.00	--	--	--	--	--	GWT system shut down to troubleshoot problem with irrigation pump.
09/26/02	16:00	X	0.00	--	1.00	75	45,011,275	--	0.00	A	1.00	0	3,617,258.1	115	53,672,924	1,870,390	GWT system restarted. Berryessa system shut down due to lack of water.
09/29/02	06:00	--	62.00	A	0.00	--	--	--	0.00	A	62.00	--	--	--	--	--	GWT system shut down due to high levels in the influent tank.
09/30/02	11:00	X	0.00	--	29.00	75	45,307,627	--	0.00	A	29.00	0	3,617,258.1	115	53,996,669	1,892,847	GWT system restarted. Berryessa system shut down due to lack of water.
10/04/02	11:30	--	96.50	M	0.00	--	--	--	0.00	A	83.50	--	--	--	--	--	GWT shutdown to repair flow sensor
10/04/02	13:00	X	0.00	--	1.50	60	45,661,250	X	0.00	--	1.50	25	3,617,909.0	110	54,385,990	1,972,885	Treatment system and Berryessa system running.
10/05/02	19:00	--	30.00	A	0.00	--	--	--	30.00	A	0.00	--	--	--	--	--	Inject Well High Level Alarm
10/07/02	10:30	X	0.00	--	39.50	60	45,772,166	X	0.00	--	39.50	30	36,755.0	110	54,542,790	2,001,450	Treatment system and Berryessa system running.
10/07/02	16:30	--	6.00	A	0.00	--	--	--	6.00	A	0.00	--	--	--	--	--	Inject Well High Level Alarin
10/08/02	08:30	X	0.00	--	16.00	50	45,799,766	X	0.00	--	16.00	20	37,739.0	95	54,572,614	2,031,866	Treatment system and Berryessa system running.
10/10/02	09:00	--	48.50	M	0.00	--	--	--	48.50	M	0.00	--	--	--	--	--	Manual system shutdown to replace bag filters.
10/10/02	09:30	X	0.00	--	0.50	65	45,950,080	X	0.00	--	0.50	15	39,150.0	95	54,736,420	2,060,245	Treatment system and Berryessa system running.
10/10/02	14:45	--	5.25	A	0.00	--	--	--	5.25	A	0.00	--	--	--	--	--	Inject Well High Level Alarm

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		System On		System Off		Flow Rate	Totalizer	System On		System Off		Flow Rate	Totalizer	Flow Rate	Totalizer	Totalizer	
DATE	TIME	Note	Hours	Note	Hours	(gpm)	(gallons)	Note	Hours	Note	Hours	(gpm)	(gallons)	(gpm)	(gallons)	(gallons)	Notes
10/10/02	15:30	X	0.00	--	0.75	60	45,969,400	--	0.00	O	0.75	0	40,480.0	95	54,758,980	2,075,010	Treatment system running
10/29/02	13:45	--	454.25	M	0.00	--	--	--	0.00	O	454.25	--	--	--	--	--	GWT system shut down due to high pressure in the air stripper. High pressure in air stripper blew a seal port off of air stripper.
10/29/02	14:00	X	0.00	--	0.25	70	47,739,789	--	0.00	O	0.25	0	40,480.0	95	56,679,927	2,232,305	Seal port placed back on air stripper and tightened. System restarted.
10/29/02	14:05	--	0.08	M	0.00	--	--	--	0.00	O	0.08	--	--	--	--	--	GWT system shut down due to high pressure in the air stripper. High pressure in air stripper blew a seal port off of air stripper.
11/06/02	9:00	X	0.00	--	129.00	70	47,746,285	--	0:00	M	129.00	0	40,480.0	95	56,684,233	2,282,285	GWT system restarted. Berryessa system shut down due to lack of capacity in injection well.
11/12/02	08:45	--	143.75	M	0.00	--	--	--	0.00	M	143.75	--	--	--	--	--	Treatment system shut down to remove dead bird from blower screen.
11/12/02	09:15	X	0.00	--	0.50	50	48,371,239	X	0.00	--	0.50	20	40,574.7	95	573,651,327	2,288,200	GWT system restarted. Berryessa system restarted.
11/14/02	12:00	R	50.75	--	0.00	55	48,541,030	R	50.75	--	0.00	15	73,275.0	95	57,580,350	2,288,200	Totalizer readings taken.
11/24/02	06:00	--	234.00	A	0.00	--	--	--	234.00	A	0.00	--	--	--	--	--	High injection well alarm.
11/25/02	11:00	X	0.00	--	29.00	50	49,218,256	--	0.00	M	29.00	0	170,038.3	85	58,409,720	2,298,455	GWT system restarted. Berryessa system not restarted due to lack of capacity in the injection well.
12/01/02	0:00	R	0.00	--	0.00	60	--	--	0.00	M	0.00	0	--	85	--	--	Groundwater treatment (GWT) system running. Berryessa system not running due to lack of capacity in the injection well.
12/27/02	10:30	R	634.50	--	0.00	55	51,527,525	--	0.00	M	634.50	0	170,038	80	60,898,704	2,315,623	Groundwater treatment (GWT) system running. Berryessa system not running due to lack of capacity in the injection well.
12/31/02	0:00	R	109.50	--	0.00	--	--	--	0.00	M	109.50	--	--	--	--	--	Groundwater treatment (GWT) system running. Berryessa system not running due to lack of capacity in the injection well.
Total			7452.80		1106.92		30,887,724.00		2102.82		6267.48		2,269,783.20		35,920,872.00	2,315,123.00	

Notes:
- A = Automatic Shut-off.
- M = Manual Shut-off.
- NA = Totalizer Reading not taken.
- O = System Off.
- R = System Running.
- X = System Start-up.
- -- = Not Applicable